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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RFP 905

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : Q1664

ATTENTION : Smita Sumbaly

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1664

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q1664-01	P001-BBDGA-001-01
Q1664-02	P001-BBDGA-001-01MS
Q1664-03	P001-BBDGA-001-01MSD
Q1664-04	P001-BBDGA-001-01
Q1664-05	P001-BBDGA-001-01MS
Q1664-06	P001-BBDGA-001-01MSD
Q1664-07	P001-BBDGA-001-02
Q1664-08	P001-BBDGA-001-02
Q1664-09	P001-BBDGA-002-01
Q1664-10	P001-BBDGA-002-01
Q1664-11	P001-BBDGA-003-01
Q1664-12	P001-BBDGA-003-01
Q1664-13	P001-BBDGA-004-01
Q1664-14	P001-BBDGA-004-01
Q1664-15	P001-BBDGA-005-01
Q1664-16	P001-BBDGA-005-01
Q1664-17	P001-BBDGA-006-01
Q1664-18	P001-BBDGA-006-01
Q1664-19	P001-BBDGA-007-01
Q1664-20	P001-BBDGA-007-01
Q1664-21	P001-BBDGA-008-01
Q1664-22	P001-BBDGA-008-01

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:31 am, Apr 08, 2025

Date: 4/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1664
Test Name: EPH

A. Number of Samples and Date of Receipt:
22 Solid samples were received on 03/27/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, METALS TAL+CN, PCB, Pesticide-TCL, SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP PCB, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.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.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .

The RPD for {Q1664-06} with File ID: FG015600.D met criteria except for Aromatic C16-C21[29.3%] 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 .

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E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Calculation for Concentration in Water Samples:

$$C\ (ug/L) = \frac{(A)\ (D)\ (Ve)}{CF\ (Vs)}$$

Where:
C = Concentration of each compound or hydrocarbon range, ug/L
A = Area response of each compound or carbon range to be measured
D = Dilution Factor
Vs = Volume of sample extracted, mL
Ve = Final volume of extract, uL
CF = Calibration factor of each compound or carbon range for each fraction

G. Calculation for Concentration in Soil Samples:

$$C\ (ug/g) = \frac{(A)\ (D)\ (Ve)}{CF\ (S)}$$

Where:
C = Concentration of each compound or hydrocarbon range, ug/g (dry weight basis)
A = Area response of each compound or carbon range to be measured
D = Dilution Factor
Ve = Final volume of extract, uL
CF = Calibration factor of each compound or carbon range for each fraction
S = Dry sample weight, mg

Total EPH concentration = Total of 4 Aromatic Carbon Ranges and 4 Aliphatic Carbon Ranges.

H. 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_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 11:31 am, Apr 08, 2025

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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 is 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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1664 MATRIX: Solid

METHOD: NJEPH/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD for {Q1664-06} with File ID: FG015600.D met criteria except for Aromatic C16-C21[29.3%] due to difference in results of MS and MSD.		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

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

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 10:50 am, Apr 08, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1664

	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 Castody	✓
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: SOHIL JODHANI **Date:** 04/08/2025

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LAB CHRONICLE

OrderID:	Q1664	**OrderDate:**	3/27/2025 10:47:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 905
Contact:	Smita Sumbaly	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1664-01	**P001-BBDGA-001-01**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-04	**P001-BBDGA-001-01**	**WATER**			**03/26/25**			**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
			EPH	NJEPH		04/01/25	04/01/25	
Q1664-07	**P001-BBDGA-001-02**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-08	**P001-BBDGA-001-02**	**WATER**			**03/26/25**			**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
			EPH	NJEPH		04/01/25	04/01/25	
Q1664-09	**P001-BBDGA-002-01**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-10	**P001-BBDGA-002-01**	**WATER**			**03/26/25**			**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
			EPH	NJEPH		04/01/25	04/01/25	
Q1664-11	**P001-BBDGA-003-01**	**SOIL**			**03/26/25**			**03/27/25**
			PCB	8082A		03/28/25	03/28/25	

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LAB CHRONICLE

			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
Q1664-12	**P001-BBDGA-003-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25
			SPLP Pesticide	8081B		03/31/25	03/31/25
			EPH	NJEPH		04/01/25	04/01/25
Q1664-13	**P001-BBDGA-004-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
Q1664-14	**P001-BBDGA-004-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25
			SPLP Pesticide	8081B		03/31/25	03/31/25
			EPH	NJEPH		04/01/25	04/01/25
Q1664-15	**P001-BBDGA-005-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-16	**P001-BBDGA-005-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	03/31/25
			SPLP Pesticide	8081B		03/31/25	03/31/25
			EPH	NJEPH		04/01/25	04/01/25
Q1664-17	**P001-BBDGA-006-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-18	**P001-BBDGA-006-01**	**WATER**			**03/26/25**		**03/27/25**
			SPLP PCB	8082A		03/31/25	04/01/25
			SPLP Pesticide	8081B		03/31/25	03/31/25
			EPH	NJEPH		04/01/25	04/01/25
Q1664-19	**P001-BBDGA-007-01**	**SOIL**			**03/26/25**		**03/27/25**

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LAB CHRONICLE

			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-20	**P001-BBDGA-007-01**	**Water**			**03/26/25**		**03/27/25**
			EPH	NJEPH		04/01/25	04/01/25
			SPLP PCB	8082A		03/31/25	03/31/25
			SPLP Pesticide	8081B		03/31/25	03/31/25
Q1664-21	**P001-BBDGA-008-01**	**SOIL**			**03/26/25**		**03/27/25**
			PCB	8082A		03/28/25	03/28/25
			Pesticide-TCL	8081B		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/28/25
			EPH	NJEPH		03/28/25	03/29/25
Q1664-22	**P001-BBDGA-008-01**	**Water**			**03/26/25**		**03/27/25**
			EPH	NJEPH		04/01/25	04/01/25
			EPH	NJEPH		04/01/25	04/02/25
			SPLP PCB	8082A		03/31/25	04/01/25
			SPLP Pesticide	8081B		03/31/25	03/31/25

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Run Number: FC032825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
P001-BBDGA-002-01	62			0
P001-BBDGA-003-01	54			0
P001-BBDGA-004-01	71			0
P001-BBDGA-005-01	56			0
P001-BBDGA-006-01	66			0
P001-BBDGA-007-01	94			0
P001-BBDGA-008-01	66			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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Run Number: FC040125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167402BL	66			0
PB167402BS	80			0
PB167402TB	65			0
P001-BBDGA-001-01	82			0
P001-BBDGA-001-02	86			0
P001-BBDGA-002-01	90			0
P001-BBDGA-003-01	93			0
P001-BBDGA-004-01	106			0
P001-BBDGA-005-01	97			0
P001-BBDGA-006-01	97			0
P001-BBDGA-007-01	106			0
P001-BBDGA-008-01	105			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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Run Number: FF032825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167362BL	70			0
PB167362BS	96			0
PB167362BSD	85			0
P001-BBDGA-001-01	105			0
P001-BBDGA-001-01MS	82			0
P001-BBDGA-001-01MSD	79			0
P001-BBDGA-001-02	68			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

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Fax : 908 789 8922

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Run Number: FG032825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167362BL	100	78	87	0
PB167362BS	107	92	88	0
PB167362BSD	114	98	93	0
P001-BBDGA-001-01	78	57	63	0
P001-BBDGA-001-01MS	83	61	51	0
P001-BBDGA-001-01MSD	83	60	51	0
P001-BBDGA-001-02	67	49	40	0
P001-BBDGA-002-01	99	79	46	0
P001-BBDGA-003-01	101	80	44	0
P001-BBDGA-004-01	97	83	57	0
P001-BBDGA-005-01	95	74	57	0
P001-BBDGA-006-01	105	90	64	0
P001-BBDGA-007-01	58	48	55	0
P001-BBDGA-008-01	67	56	41	0

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

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Run Number: FG040125AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167402BL	120	87	106	0
PB167402BS	97	79	87	0
PB167402TB	88	65	76	0
P001-BBDGA-001-01	86	67	84	0
P001-BBDGA-001-01MS	100	83	101	0
P001-BBDGA-001-01MSD	90	76	91	0
P001-BBDGA-001-02	87	70	86	0
P001-BBDGA-002-01	94	68	97	0
P001-BBDGA-003-01	96	65	96	0
P001-BBDGA-004-01	108	73	113	0
P001-BBDGA-005-01	108	85	114	0
P001-BBDGA-006-01	99	71	103	0
P001-BBDGA-007-01	81	66	83	0
P001-BBDGA-008-01	107	92	115	0

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

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

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WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-05 **Datafile:** FC068473.D

Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	10.1	296	95		(40-140)
Aliphatic C12-C16	200	32.9	300	133		(40-140)
Aliphatic C16-C21	300	13.6	338	108		(40-140)
Aliphatic C21-C28	400	0	375	94		(40-140)
Aliphatic C28-C40	600	39.1	566	88		(40-140)

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WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-06 **Datafile:** FC068474.D

Client ID : P001-BBDGA-001-01MSD

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	10.1	302	97		2.08 |	(40-140)	25
Aliphatic C12-C16	200	32.9	304	135		1.49 |	(40-140)	25
Aliphatic C16-C21	300	13.6	342	109		0.92 |	(40-140)	25
Aliphatic C21-C28	400	0	379	95		1.06 |	(40-140)	25
Aliphatic C28-C40	600	39.1	572	89		1.13 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-02 **Datafile:** FF015748.D

Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.9	0.31	8.06	71		(40-140)
Aliphatic C12-C16	7.3	1.81	9.73	109		(40-140)
Aliphatic C16-C21	10.9	0.71	10.8	93		(40-140)
Aliphatic C21-C28	14.5	0.90	13.4	86		(40-140)
Aliphatic C28-C40	21.8	2.79	21.9	88		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-03 **Datafile:** FF015749.D

Client ID : P001-BBDGA-001-01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.9	0.31	8.11	72		0.56 |	(40-140)	25
Aliphatic C12-C16	7.3	1.81	9.80	110		0.91 |	(40-140)	25
Aliphatic C16-C21	10.9	0.71	10.9	94		0.97 |	(40-140)	25
Aliphatic C21-C28	14.5	0.90	13.5	87		0.69 |	(40-140)	25
Aliphatic C28-C40	21.8	2.79	22.1	89		0.91 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-02 **Datafile:** FG015578.D

Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.3	0.59	3.87	45		(40-140)
Aromatic C12-C16	10.9	0.82	7.41	61		(40-140)
Aromatic C16-C21	18.1	2.83	16.7	76		(40-140)
Aromatic C21-C36	29.0	1.41	25.8	84		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-03 **Datafile:** FG015579.D

Client ID : P001-BBDGA-001-01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.3	0.59	3.89	46		0.44 |	(40-140)	25
Aromatic C12-C16	10.9	0.82	7.43	61		0.16 |	(40-140)	25
Aromatic C16-C21	18.1	2.83	16.7	76		0 |	(40-140)	25
Aromatic C21-C36	29.0	1.41	25.9	84		0.36 |	(40-140)	25

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WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-05 **Datafile:** FG015599.D

Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	15.9	208	96		(40-140)
Aromatic C12-C16	300	65.6	346	94		(40-140)
Aromatic C16-C21	500	67.4	729	132		(40-140)
Aromatic C21-C36	800	0	948	118		(40-140)

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WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : Q1664-06 **Datafile:** FG015600.D

Client ID : P001-BBDGA-001-01MSD

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	15.9	187	86		11.6 |	(40-140)	25
Aromatic C12-C16	300	65.6	311	82		13.3 |	(40-140)	25
Aromatic C16-C21	500	67.4	559	98		29.3 *|	(40-140)	25
Aromatic C21-C36	800	0	876	109		7.93 |	(40-140)	25

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : PB167402BS **Datafile:** FC068470.D

Client ID : PB167402BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	223	74		(40-140)
Aliphatic C12-C16	200	214	107		(40-140)
Aliphatic C16-C21	300	338	112		(40-140)
Aliphatic C21-C28	400	426	106		(40-140)
Aliphatic C28-C40	600	659	109		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : PB167362BS **Datafile:** FF015744.D

Client ID : PB167362BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.06	61		(40-140)
Aliphatic C12-C16	6.7	5.22	78		(40-140)
Aliphatic C16-C21	10	9.50	95		(40-140)
Aliphatic C21-C28	13.3	9.91	74		(40-140)
Aliphatic C28-C40	20.0	25.2	126		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : PB167362BSD **Datafile:** FF015745.D

Client ID : PB167362BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.02	50		18.9|	(40-140)	50
Aliphatic C12-C16	6.7	4.35	65		18.2|	(40-140)	50
Aliphatic C16-C21	10	7.93	79		18.1|	(40-140)	50
Aliphatic C21-C28	13.3	10.9	82		9.5|	(40-140)	50
Aliphatic C28-C40	20.0	17.5	88		36|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : PB167362BS **Datafile:** FG015574.D

Client ID : PB167362BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.21	63		(40-140)
Aromatic C12-C16	10	7.38	74		(40-140)
Aromatic C16-C21	16.7	14.0	84		(40-140)
Aromatic C21-C36	26.6	24.4	92		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : PB167362BSD **Datafile:** FG015575.D

Client ID : PB167362BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.49	67		6.4|	(40-140)	50
Aromatic C12-C16	10	7.88	79		6.5|	(40-140)	50
Aromatic C16-C21	16.7	15.0	90		6.8|	(40-140)	50
Aromatic C21-C36	26.6	26.1	98		6.7|	(40-140)	50

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.

Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664

Sample No : PB167402BS **Datafile:** FG015596.D

Client ID : PB167402BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	161	80		(40-140)
Aromatic C12-C16	300	319	106		(40-140)
Aromatic C16-C21	500	582	116		(40-140)
Aromatic C21-C36	800	935	116		(40-140)

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167362BL

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Instrument ID: FID_C Lab Sample ID: PB167362BL

Matrix: (soil/water) Solid Date Extracted: 3/28/2025 8:10:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167362BS	PB167362BS
PB167362BSD	PB167362BSD
P001-BBDGA-001-01	Q1664-01
P001-BBDGA-001-01MS	Q1664-02
P001-BBDGA-001-01MSD	Q1664-03
P001-BBDGA-001-02	Q1664-07
P001-BBDGA-002-01	Q1664-09
P001-BBDGA-003-01	Q1664-11
P001-BBDGA-004-01	Q1664-13
P001-BBDGA-005-01	Q1664-15
P001-BBDGA-006-01	Q1664-17
P001-BBDGA-007-01	Q1664-19
P001-BBDGA-008-01	Q1664-21

COMMENTS:

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167402BL

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Instrument ID: FID_C Lab Sample ID: PB167402BL

Matrix: (soil/water) Water Date Extracted: 4/1/2025 8:13:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167402BS	PB167402BS
P001-BBDGA-001-01	Q1664-04
P001-BBDGA-001-01MS	Q1664-05
P001-BBDGA-001-01MSD	Q1664-06
P001-BBDGA-004-01	Q1664-14
P001-BBDGA-003-01	Q1664-12
P001-BBDGA-002-01	Q1664-10
P001-BBDGA-001-02	Q1664-08
P001-BBDGA-008-01	Q1664-22
P001-BBDGA-007-01	Q1664-20
P001-BBDGA-006-01	Q1664-18
P001-BBDGA-005-01	Q1664-16
PB167402TB	PB167402TB

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 17:57	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	1	0.15	1.09	mg/kg	FF015746.D
Aliphatic C12-C16	Aliphatic C12-C16	1.81		1	0.12	0.73	mg/kg	FF015746.D
Aliphatic C16-C21	Aliphatic C16-C21	0.71	J	1	0.14	1.09	mg/kg	FF015746.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	J	1	0.58	1.45	mg/kg	FF015746.D
Aliphatic C28-C40	Aliphatic C28-C40	2.79		1	1.28	2.17	mg/kg	FF015746.D
Aromatic C10-C12	Aromatic C10-C12	0.59	J	1	0.13	0.73	mg/kg	FG015576.D
Aromatic C12-C16	Aromatic C12-C16	0.82	J	1	0.25	1.09	mg/kg	FG015576.D
Aromatic C16-C21	Aromatic C16-C21	2.83		1	0.44	1.81	mg/kg	FG015576.D
Aromatic C21-C36	Aromatic C21-C36	1.41	J	1	1.29	2.90	mg/kg	FG015576.D
Total AliphaticEPH	Total AliphaticEPH	6.52	J		2.27	6.53	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.65	J		2.10	6.53	mg/kg	
Total EPH	Total EPH	12.2	J		4.37	13.1	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015746.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.31	J	0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.81		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.71	J	0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.90	J	0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.79		1.28	2.17	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		52.5		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-01	Acq On:	28 Mar 2025 17:57
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP\AJ
Data file:	FF015746.D	Misc:	
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	556682	4.333	300	ug/ml
Aliphatic C12-C16	6.834	10.268	3282160	24.938	200	ug/ml
Aliphatic C16-C21	10.269	13.634	1319596	9.748	300	ug/ml
Aliphatic C21-C28	13.635	17.200	1648508	12.462	400	ug/ml
Aliphatic C28-C40	17.201	22.202	4155991	38.429	600	ug/ml
Aliphatic EPH	3.211	22.202	10962937	89.91		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	5953433	52.46		ug/ml
Aliphatic C9-C28	3.211	17.200	6806946	51.481	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015746.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 17:57
Operator : YP\AJ
Sample : Q1664-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01

Integration File: autoint1.e
Quant Time: Mar 29 01:02:36 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	5953433	52.456 ug/ml
Spiked Amount 50.000		Recovery = 104.91%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

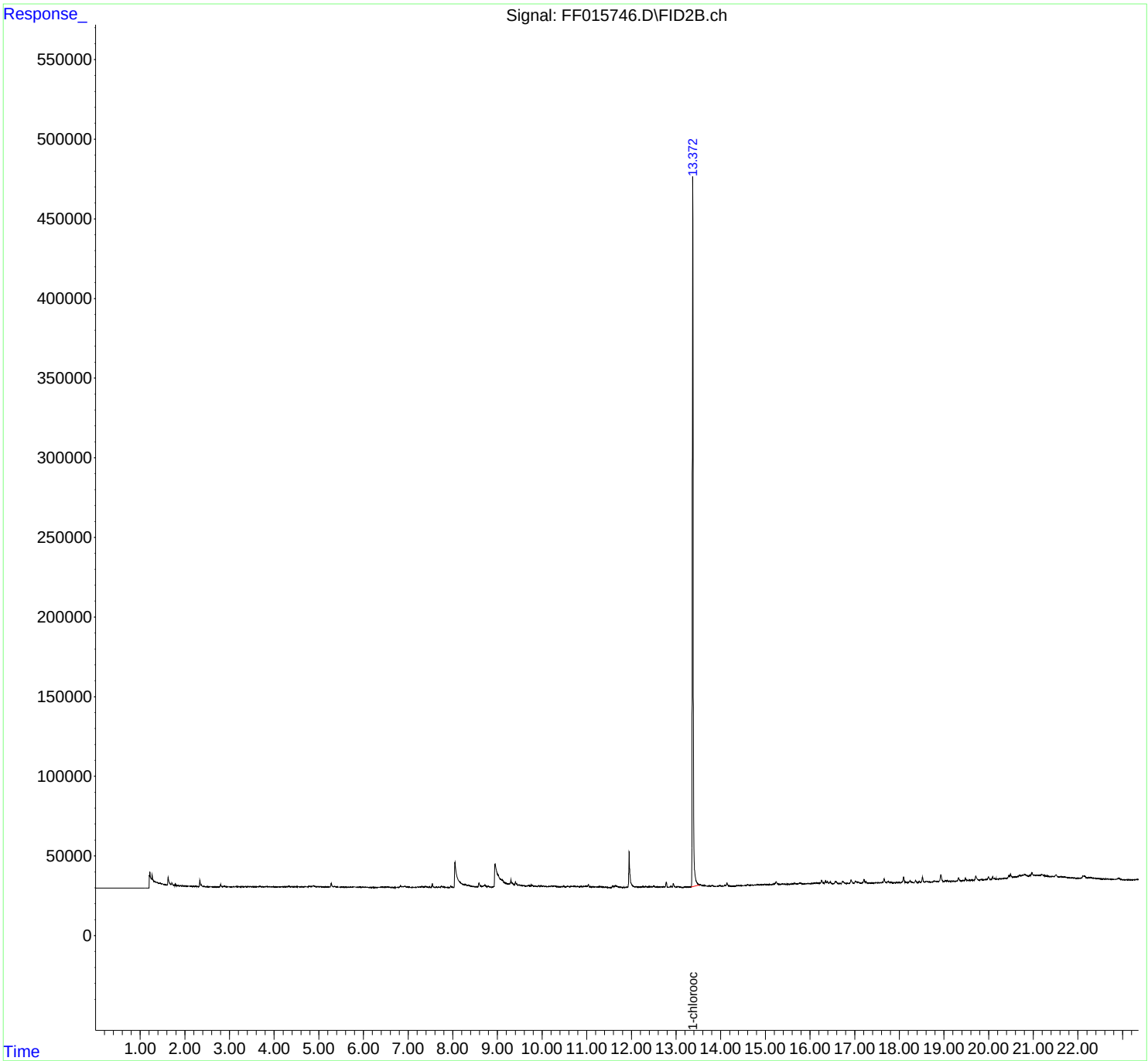
Quantitation Report (QT Reviewed)

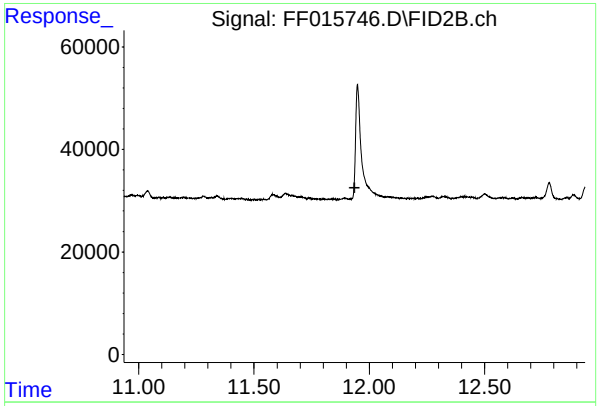
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015746.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 17:57
Operator : YP\AJ
Sample : Q1664-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01

Integration File: autoint1.e
Quant Time: Mar 29 01:02:36 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

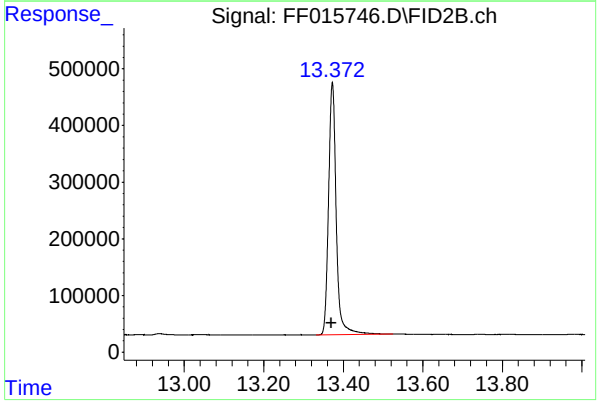




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.002 min
Response: 5953433
Conc: 52.46 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015746.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 17:57
Sample : Q1664-01
Misc :
ALS Vial : 24 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	2.958	2.952	3.018	PV	31	465	0.01%	0.003%
2	3.036	3.018	3.055	PV	53	535	0.01%	0.003%
3	3.062	3.055	3.069	VV	79	448	0.01%	0.003%
4	3.095	3.069	3.120	VV	120	2608	0.04%	0.015%
5	3.143	3.120	3.166	VV	163	3036	0.05%	0.018%
6	3.173	3.166	3.215	VV	150	3365	0.06%	0.020%
7	3.247	3.215	3.292	VV	186	5805	0.10%	0.034%
8	3.308	3.292	3.348	VV	184	4912	0.08%	0.029%
9	3.355	3.348	3.365	VV	175	1539	0.03%	0.009%
10	3.368	3.365	3.404	VV	185	3910	0.06%	0.023%
11	3.415	3.404	3.468	VV	175	6373	0.11%	0.037%
12	3.482	3.468	3.525	VV	222	6868	0.11%	0.040%
13	3.539	3.525	3.562	VV	241	4427	0.07%	0.026%
14	3.589	3.562	3.640	VV	255	10362	0.17%	0.060%
15	3.673	3.640	3.714	VV	501	12984	0.21%	0.076%
16	3.728	3.714	3.755	VV	260	5457	0.09%	0.032%
17	3.764	3.755	3.778	VV	243	3245	0.05%	0.019%
18	3.787	3.778	3.805	VV	259	3893	0.06%	0.023%
19	3.821	3.805	3.862	VV	261	7382	0.12%	0.043%
20	3.886	3.862	3.931	VV	254	7947	0.13%	0.046%
21	3.951	3.931	3.961	VV	217	3095	0.05%	0.018%
22	3.979	3.961	3.997	VV	222	3928	0.06%	0.023%
23	4.031	3.997	4.052	VV	210	5147	0.09%	0.030%
24	4.057	4.052	4.111	VV	206	5390	0.09%	0.031%
25	4.118	4.111	4.126	VV	155	1303	0.02%	0.008%
26	4.220	4.126	4.235	VV	357	15610	0.26%	0.091%
27	4.239	4.235	4.264	VV	305	4824	0.08%	0.028%
28	4.294	4.264	4.308	VV	349	8865	0.15%	0.052%
29	4.327	4.308	4.469	VV	632	34333	0.57%	0.200%
30	4.481	4.469	4.512	VV	343	7326	0.12%	0.043%
31	4.526	4.512	4.555	VV	297	6486	0.11%	0.038%
32	4.565	4.555	4.581	VV	264	3882	0.06%	0.023%
33	4.607	4.581	4.672	VV	327	13749	0.23%	0.080%
34	4.692	4.672	4.752	VV	595	16182	0.27%	0.094%
35	4.784	4.752	4.825	VV	660	19988	0.33%	0.117%
36	4.843	4.825	4.854	VV	632	9444	0.16%	0.055%

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37	4.874	4.854	4.977	VV	979	44167	0.73%	0.258%
38	4.991	4.977	5.055	VV	483	17464	0.29%	0.102%
39	5.059	5.055	5.169	VV	365	16842	0.28%	0.098%
40	5.188	5.169	5.226	VV	339	8513	0.14%	0.050%
41	5.234	5.226	5.247	VV	245	2590	0.04%	0.015%
42	5.278	5.247	5.325	VV	2680	46595	0.77%	0.272%
43	5.346	5.325	5.458	VV	752	29457	0.49%	0.172%
44	5.463	5.458	5.488	VV	235	3511	0.06%	0.020%
45	5.508	5.488	5.578	VV	267	9651	0.16%	0.056%
46	5.591	5.578	5.605	VV	201	2266	0.04%	0.013%
47	5.620	5.605	5.642	VV	185	2611	0.04%	0.015%
48	5.649	5.642	5.675	VV	114	1981	0.03%	0.012%
49	5.682	5.675	5.728	VV	169	3688	0.06%	0.022%
50	5.745	5.728	5.755	VV	116	1577	0.03%	0.009%
51	5.789	5.755	5.836	VV	388	12780	0.21%	0.075%
52	5.845	5.836	5.874	VV	265	4893	0.08%	0.029%
53	5.904	5.874	5.920	VV	248	5516	0.09%	0.032%
54	5.927	5.920	5.948	VV	199	2788	0.05%	0.016%
55	5.971	5.948	5.994	VV	180	3825	0.06%	0.022%
56	6.012	5.994	6.029	VV	154	2625	0.04%	0.015%
57	6.038	6.029	6.046	VV	130	1102	0.02%	0.006%
58	6.069	6.046	6.169	VV	172	6256	0.10%	0.037%
59	6.204	6.169	6.249	PV	78	1616	0.03%	0.009%
60	6.264	6.249	6.295	VV	67	1395	0.02%	0.008%
61	6.304	6.295	6.312	VV	71	573	0.01%	0.003%
62	6.384	6.312	6.428	VV	219	11120	0.18%	0.065%
63	6.446	6.428	6.480	VV	474	9288	0.15%	0.054%
64	6.500	6.480	6.510	VV	265	4383	0.07%	0.026%
65	6.546	6.510	6.642	VV	416	15817	0.26%	0.092%
66	6.645	6.642	6.682	VV	129	1428	0.02%	0.008%
67	6.690	6.682	6.744	VV	70	1248	0.02%	0.007%
68	6.832	6.744	6.882	PV	1026	34460	0.57%	0.201%
69	6.889	6.882	6.898	VV	537	5033	0.08%	0.029%
70	6.918	6.898	6.974	VV	879	27377	0.45%	0.160%
71	6.992	6.974	7.115	VV	452	19148	0.32%	0.112%
72	7.143	7.115	7.183	VV	199	5406	0.09%	0.032%
73	7.208	7.183	7.238	VV	505	9859	0.16%	0.058%
74	7.257	7.238	7.282	VV	483	9599	0.16%	0.056%
75	7.311	7.282	7.353	VV	726	21140	0.35%	0.123%
76	7.391	7.353	7.457	VV	961	29773	0.49%	0.174%
77	7.481	7.457	7.515	VV	386	8547	0.14%	0.050%
78	7.543	7.515	7.596	VV	2561	38139	0.63%	0.223%
79	7.625	7.596	7.655	VV	442	8717	0.14%	0.051%
80	7.678	7.655	7.715	VV	499	9198	0.15%	0.054%
81	7.750	7.715	7.779	VV	732	17195	0.28%	0.100%
82	7.795	7.779	7.851	VV	438	12154	0.20%	0.071%
83	7.861	7.851	7.922	VV	172	4331	0.07%	0.025%
84	7.954	7.922	8.020	PV	1031	19985	0.33%	0.117%
85	8.051	8.020	8.262	VV	15874	713510	11.80%	4.165%
86	8.281	8.262	8.319	VV	2000	59459	0.98%	0.347%
87	8.336	8.319	8.431	VV	1607	77187	1.28%	0.451%
88	8.444	8.431	8.493	VV	761	23211	0.38%	0.135%
89	8.524	8.493	8.552	VV	612	19720	0.33%	0.115%

90	8.588	8.552	8.655	VV	2902	78317	1.30%	0.457%
91	8.722	8.655	8.749	VV	1433	56734	0.94%	0.331%
92	8.766	8.749	8.782	VV	748	12433	0.21%	0.073%
93	8.799	8.782	8.875	VV	957	27876	0.46%	0.163%
94	8.948	8.875	9.098	VV	14931	849896	14.06%	4.961%
95	9.112	9.098	9.212	VV	4866	234755	3.88%	1.370%
96	9.223	9.212	9.258	VV	2581	63851	1.06%	0.373%
97	9.304	9.258	9.381	VV	4835	198734	3.29%	1.160%
98	9.406	9.381	9.464	VV	3739	112414	1.86%	0.656%
99	9.484	9.464	9.511	VV	1774	42254	0.70%	0.247%
100	9.530	9.511	9.561	VV	1457	39179	0.65%	0.229%
101	9.573	9.561	9.592	VV	1258	21950	0.36%	0.128%
102	9.607	9.592	9.628	VV	1173	24297	0.40%	0.142%
103	9.635	9.628	9.660	VV	1072	19579	0.32%	0.114%
104	9.686	9.660	9.733	VV	1351	51607	0.85%	0.301%
105	9.759	9.733	9.815	VV	1647	59832	0.99%	0.349%
106	9.852	9.815	9.888	VV	995	38401	0.64%	0.224%
107	9.926	9.888	9.954	VV	1135	36883	0.61%	0.215%
108	9.975	9.954	10.008	VV	1145	31873	0.53%	0.186%
109	10.029	10.008	10.072	VV	1010	30562	0.51%	0.178%
110	10.091	10.072	10.116	VV	705	17008	0.28%	0.099%
111	10.151	10.116	10.175	VV	713	22585	0.37%	0.132%
112	10.205	10.175	10.245	VV	1121	37912	0.63%	0.221%
113	10.263	10.245	10.312	VV	967	34540	0.57%	0.202%
114	10.319	10.312	10.348	VV	760	14414	0.24%	0.084%
115	10.357	10.348	10.381	VV	625	10710	0.18%	0.063%
116	10.393	10.381	10.414	VV	562	9662	0.16%	0.056%
117	10.455	10.414	10.466	VV	631	16476	0.27%	0.096%
118	10.490	10.466	10.520	VV	855	19856	0.33%	0.116%
119	10.576	10.520	10.595	VV	1000	29418	0.49%	0.172%
120	10.604	10.595	10.628	VV	807	13500	0.22%	0.079%
121	10.649	10.628	10.678	VV	709	19484	0.32%	0.114%
122	10.726	10.678	10.752	VV	892	31946	0.53%	0.186%
123	10.776	10.752	10.791	VV	808	15762	0.26%	0.092%
124	10.806	10.791	10.832	VV	775	16193	0.27%	0.095%
125	10.859	10.832	10.877	VV	920	18574	0.31%	0.108%
126	10.887	10.877	10.910	VV	824	13037	0.22%	0.076%
127	10.933	10.910	10.948	VV	784	14789	0.24%	0.086%
128	10.969	10.948	10.984	VV	961	17278	0.29%	0.101%
129	10.994	10.984	11.012	VV	841	13709	0.23%	0.080%
130	11.038	11.012	11.068	VV	1768	34113	0.56%	0.199%
131	11.087	11.068	11.115	VV	488	12223	0.20%	0.071%
132	11.131	11.115	11.175	VV	543	15180	0.25%	0.089%
133	11.192	11.175	11.237	VV	461	14167	0.23%	0.083%
134	11.281	11.237	11.299	VV	726	16770	0.28%	0.098%
135	11.340	11.299	11.373	VV	802	19640	0.32%	0.115%
136	11.400	11.373	11.425	VV	316	7251	0.12%	0.042%
137	11.446	11.425	11.488	VV	297	5847	0.10%	0.034%
138	11.524	11.488	11.553	PV	109	1702	0.03%	0.010%
139	11.583	11.553	11.615	VV	1039	22643	0.37%	0.132%
140	11.636	11.615	11.692	VV	1305	39548	0.65%	0.231%
141	11.705	11.692	11.730	VV	598	10617	0.18%	0.062%

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142	11.742	11.730	11.791	VV	316	7610	0.13%	0.044%
143	11.808	11.791	11.817	VV	125	1444	0.02%	0.008%
144	11.837	11.817	11.868	VV	142	3321	0.05%	0.019%
145	11.893	11.868	11.913	VV	331	5425	0.09%	0.032%
146	11.949	11.913	12.075	VV	22522	421826	6.98%	2.462%
147	12.081	12.075	12.187	VV	595	24606	0.41%	0.144%
148	12.209	12.187	12.225	VV	319	5854	0.10%	0.034%
149	12.252	12.225	12.261	VV	553	9632	0.16%	0.056%
150	12.274	12.261	12.298	VV	693	11859	0.20%	0.069%
151	12.323	12.298	12.355	VV	644	15870	0.26%	0.093%
152	12.399	12.355	12.407	VV	596	12661	0.21%	0.074%
153	12.418	12.407	12.467	VV	628	17192	0.28%	0.100%
154	12.501	12.467	12.548	VV	1162	28421	0.47%	0.166%
155	12.578	12.548	12.605	VV	417	11189	0.19%	0.065%
156	12.621	12.605	12.638	VV	343	5282	0.09%	0.031%
157	12.663	12.638	12.682	VV	430	8295	0.14%	0.048%
158	12.721	12.682	12.740	VV	451	12132	0.20%	0.071%
159	12.780	12.740	12.831	VV	3315	55236	0.91%	0.322%
160	12.853	12.831	12.866	VV	408	5757	0.10%	0.034%
161	12.885	12.866	12.911	VV	937	14396	0.24%	0.084%
162	12.937	12.911	12.998	VV	2402	48568	0.80%	0.284%
163	13.044	12.998	13.143	VV	600	24873	0.41%	0.145%
164	13.193	13.143	13.203	PV	289	4412	0.07%	0.026%
165	13.207	13.203	13.235	VV	253	3945	0.07%	0.023%
166	13.252	13.235	13.274	VV	337	5261	0.09%	0.031%
167	13.292	13.274	13.315	VV	262	5112	0.08%	0.030%
168	13.322	13.315	13.331	VV	238	2151	0.04%	0.013%
169	13.373	13.331	13.522	VV	445245	6046069	100.00%	35.295%
170	13.539	13.522	13.573	VV	1676	42553	0.70%	0.248%
171	13.593	13.573	13.625	VV	1074	30204	0.50%	0.176%
172	13.644	13.625	13.715	VV	1044	39130	0.65%	0.228%
173	13.747	13.715	13.770	VV	737	20757	0.34%	0.121%
174	13.820	13.770	13.851	VV	792	29481	0.49%	0.172%
175	13.875	13.851	13.885	VV	349	5953	0.10%	0.035%
176	13.928	13.885	13.950	VV	477	13188	0.22%	0.077%
177	13.980	13.950	14.013	VV	804	19809	0.33%	0.116%
178	14.027	14.013	14.071	VV	417	12408	0.21%	0.072%
179	14.095	14.071	14.115	VV	951	17112	0.28%	0.100%
180	14.138	14.115	14.247	VV	2345	59630	0.99%	0.348%
181	14.263	14.247	14.306	VV	238	5820	0.10%	0.034%
182	14.360	14.306	14.402	VV	623	19329	0.32%	0.113%
183	14.409	14.402	14.417	VV	356	2993	0.05%	0.017%
184	14.441	14.417	14.459	VV	480	9600	0.16%	0.056%
185	14.465	14.459	14.489	VV	359	5579	0.09%	0.033%
186	14.552	14.489	14.572	VV	633	20601	0.34%	0.120%
187	14.603	14.572	14.682	VV	931	42274	0.70%	0.247%
188	14.705	14.682	14.737	VV	763	20069	0.33%	0.117%
189	14.778	14.737	14.790	VV	783	20897	0.35%	0.122%
190	14.822	14.790	14.878	VV	952	41289	0.68%	0.241%
191	14.902	14.878	14.918	VV	711	15495	0.26%	0.090%
192	14.939	14.918	14.958	VV	817	17481	0.29%	0.102%
193	14.987	14.958	15.023	VV	956	31703	0.52%	0.185%
194	15.039	15.023	15.065	VV	819	18178	0.30%	0.106%

195	15.096	15.065	15.115	VV	739	19740	0.33%	0.115%
196	15.152	15.115	15.164	VV	715	19919	0.33%	0.116%
197	15.203	15.164	15.215	VV	1381	31424	0.52%	0.183%
198	15.240	15.215	15.335	VV	2431	89465	1.48%	0.522%
199	15.390	15.335	15.415	VV	1145	38396	0.64%	0.224%
200	15.434	15.415	15.446	VV	795	14041	0.23%	0.082%
201	15.471	15.446	15.518	VV	854	32050	0.53%	0.187%
202	15.591	15.518	15.604	VV	751	34520	0.57%	0.202%
203	15.640	15.604	15.709	VV	1061	54963	0.91%	0.321%
204	15.720	15.709	15.732	VV	808	10822	0.18%	0.063%
205	15.761	15.732	15.773	VV	1171	24230	0.40%	0.141%
206	15.790	15.773	15.828	VV	1226	33377	0.55%	0.195%
207	15.838	15.828	15.868	VV	762	16309	0.27%	0.095%
208	15.895	15.868	15.914	VV	726	18708	0.31%	0.109%
209	15.950	15.914	15.960	VV	853	21215	0.35%	0.124%
210	15.978	15.960	15.997	VV	835	17073	0.28%	0.100%
211	16.024	15.997	16.038	VV	892	19586	0.32%	0.114%
212	16.060	16.038	16.081	VV	883	21534	0.36%	0.126%
213	16.141	16.081	16.165	VV	1243	49704	0.82%	0.290%
214	16.185	16.165	16.207	VV	1110	24518	0.41%	0.143%
215	16.225	16.207	16.235	VV	1151	17084	0.28%	0.100%
216	16.258	16.235	16.318	VV	2727	73760	1.22%	0.431%
217	16.347	16.318	16.369	VV	2002	44023	0.73%	0.257%
218	16.387	16.369	16.415	VV	2134	40898	0.68%	0.239%
219	16.451	16.415	16.512	VV	1731	53213	0.88%	0.311%
220	16.579	16.512	16.645	VV	1701	74161	1.23%	0.433%
221	16.663	16.645	16.694	VV	468	13044	0.22%	0.076%
222	16.731	16.694	16.822	VV	1701	71466	1.18%	0.417%
223	16.839	16.822	16.852	VV	451	7693	0.13%	0.045%
224	16.862	16.852	16.871	VV	457	4864	0.08%	0.028%
225	16.919	16.871	16.982	VV	2363	72730	1.20%	0.425%
226	17.015	16.982	17.072	VV	1640	61311	1.01%	0.358%
227	17.084	17.072	17.151	VV	1117	33891	0.56%	0.198%
228	17.207	17.151	17.240	VV	2665	68182	1.13%	0.398%
229	17.256	17.240	17.284	VV	1194	22547	0.37%	0.132%
230	17.295	17.284	17.340	VV	553	13500	0.22%	0.079%
231	17.355	17.340	17.365	VV	405	5660	0.09%	0.033%
232	17.386	17.365	17.408	VV	413	9608	0.16%	0.056%
233	17.476	17.408	17.504	VV	512	24548	0.41%	0.143%
234	17.526	17.504	17.570	VV	597	17978	0.30%	0.105%
235	17.622	17.570	17.630	VV	661	18440	0.30%	0.108%
236	17.658	17.630	17.713	VV	2714	58925	0.97%	0.344%
237	17.746	17.713	17.858	VV	1129	52667	0.87%	0.307%
238	17.864	17.858	17.881	VV	391	4272	0.07%	0.025%
239	17.898	17.881	17.912	VV	360	5632	0.09%	0.033%
240	17.944	17.912	17.975	VV	404	12120	0.20%	0.071%
241	18.002	17.975	18.022	VV	381	8509	0.14%	0.050%
242	18.094	18.022	18.178	VV	3827	92133	1.52%	0.538%
243	18.190	18.178	18.195	VV	210	1904	0.03%	0.011%
244	18.239	18.195	18.327	VV	1167	39180	0.65%	0.229%
245	18.363	18.327	18.418	VV	1238	27336	0.45%	0.160%
246	18.444	18.418	18.486	VV	473	14259	0.24%	0.083%

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247	18.518	18.486	18.575	VV	3317	65526	1.08%	0.383%
248	18.606	18.575	18.635	VV	893	19190	0.32%	0.112%
249	18.643	18.635	18.683	VV	435	9133	0.15%	0.053%
250	18.728	18.683	18.737	VV	341	8713	0.14%	0.051%
251	18.783	18.737	18.835	VV	809	33119	0.55%	0.193%
252	18.861	18.835	18.872	VV	582	11117	0.18%	0.065%
253	18.929	18.872	19.008	VV	4732	126672	2.10%	0.739%
254	19.029	19.008	19.058	VV	813	20108	0.33%	0.117%
255	19.075	19.058	19.143	VV	886	29661	0.49%	0.173%
256	19.182	19.143	19.228	VV	597	23755	0.39%	0.139%
257	19.235	19.228	19.263	VV	461	8479	0.14%	0.049%
258	19.325	19.263	19.404	VV	2605	83642	1.38%	0.488%
259	19.431	19.404	19.452	VV	933	20713	0.34%	0.121%
260	19.482	19.452	19.547	VV	2152	65732	1.09%	0.384%
261	19.573	19.547	19.610	VV	927	29973	0.50%	0.175%
262	19.635	19.610	19.656	VV	907	22156	0.37%	0.129%
263	19.711	19.656	19.805	VV	3450	135623	2.24%	0.792%
264	19.835	19.805	19.878	VV	1275	45731	0.76%	0.267%
265	19.900	19.878	19.908	VV	1051	18022	0.30%	0.105%
266	19.943	19.908	19.962	VV	1114	34098	0.56%	0.199%
267	19.998	19.962	20.038	VV	2798	80673	1.33%	0.471%
268	20.089	20.038	20.124	VV	2383	81193	1.34%	0.474%
269	20.135	20.124	20.175	VV	1448	38801	0.64%	0.227%
270	20.190	20.175	20.208	VV	1242	24059	0.40%	0.140%
271	20.252	20.208	20.288	VV	1488	64692	1.07%	0.378%
272	20.355	20.288	20.372	VV	1839	78694	1.30%	0.459%
273	20.452	20.372	20.467	VV	3239	120921	2.00%	0.706%
274	20.490	20.467	20.542	VV	3868	131029	2.17%	0.765%
275	20.574	20.542	20.584	VV	2342	57032	0.94%	0.333%
276	20.691	20.584	20.728	VV	3279	235333	3.89%	1.374%
277	20.807	20.728	20.894	VV	3952	327994	5.42%	1.915%
278	20.968	20.894	21.059	VV	4659	335339	5.55%	1.958%
279	21.069	21.059	21.074	VV	3037	27320	0.45%	0.159%
280	21.089	21.074	21.121	VV	3205	86670	1.43%	0.506%
281	21.132	21.121	21.162	VV	3144	74190	1.23%	0.433%
282	21.190	21.162	21.382	VV	3753	359971	5.95%	2.101%
283	21.392	21.382	21.410	VV	2182	35430	0.59%	0.207%
284	21.424	21.410	21.441	VV	2157	39471	0.65%	0.230%
285	21.453	21.441	21.466	VV	2094	30546	0.51%	0.178%
286	21.509	21.466	21.583	VV	3122	162096	2.68%	0.946%
287	21.616	21.583	21.670	VV	1934	92648	1.53%	0.541%
288	21.686	21.670	21.844	VV	1660	138408	2.29%	0.808%
289	21.869	21.844	21.948	VV	1043	57374	0.95%	0.335%
290	21.958	21.948	22.028	VV	813	34270	0.57%	0.200%
291	22.133	22.028	22.205	VV	2175	133274	2.20%	0.778%
292	22.258	22.205	22.446	VV	1103	101895	1.69%	0.595%
293	22.454	22.446	22.502	VBA	261	8632	0.14%	0.050%

Sum of corrected areas: 17129983

Aliphatic EPH 031725.M Sat Mar 29 02:01:39 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015576.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.59	J	0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.82	J	0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.83		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.41	J	1.29	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.8		40 - 140	78%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	28.3		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-01	Acq On:	28 Mar 2025 17:57
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP\AJ
Data file:	FG015576.D	Misc:	
Instrument:	FID_G	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1085495	8.101	200	ug/ml
Aromatic C12-C16	6.330	9.039	1559916	11.374	300	ug/ml
Aromatic C16-C21	9.040	13.371	5437926	39.007	500	ug/ml
Aromatic C21-C36	13.372	18.837	2531506	19.444	800	ug/ml
Aromatic EPH	4.449	18.837	10614843	77.925		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	4736444	38.77		ug/ml
2-Flurobiphenyl (SURR)	8.842	8.842	2337684	28.28		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	4599447	31.54		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015576.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:57
Operator : YP\AJ
Sample : Q1664-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:13:37 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...	7.964	4736444	38.774 ug/ml
Spiked Amount 50.000		Recovery =	77.55%
6) S 2-Flurobiphenyl (SURR)	8.842	2337684	28.282 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	56.56%
11) S ortho-Terphenyl (SURR)	11.916	4599447	31.540 ug/ml
Spiked Amount 50.000		Recovery =	63.08%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

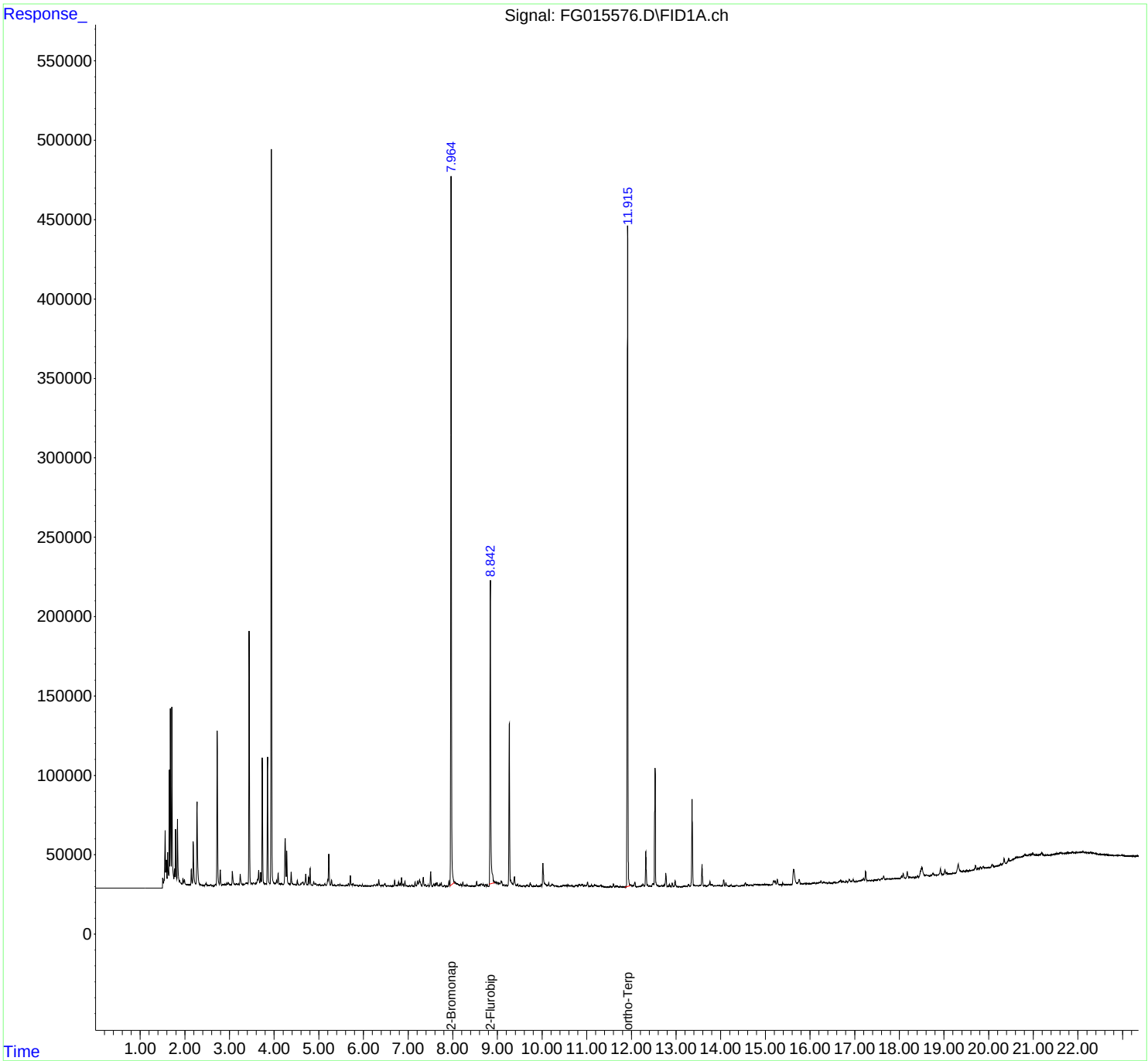
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015576.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:57
Operator : YP\AJ
Sample : Q1664-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

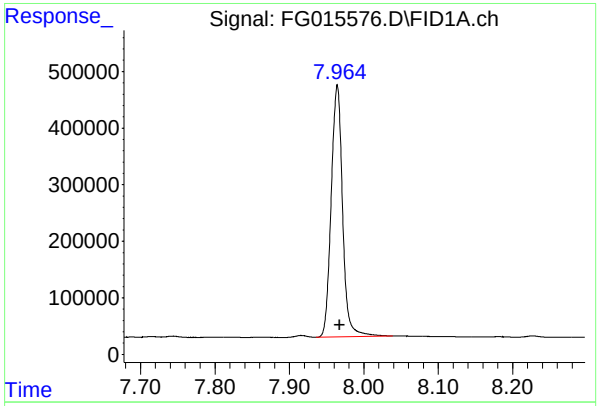
Integration File: autoint1.e
Quant Time: Mar 29 03:13:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





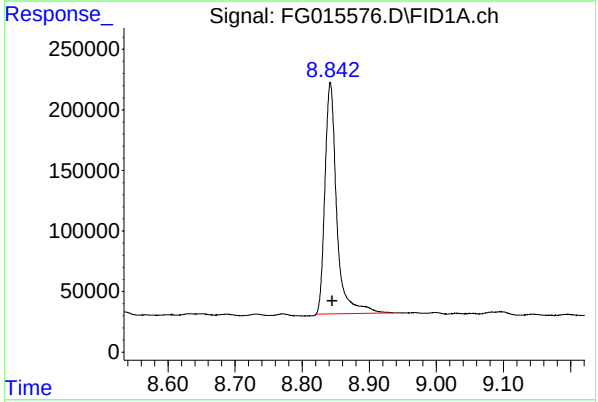
#4 2-Bromonaphthalene (SURR)

R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 4736444
Conc: 38.77 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

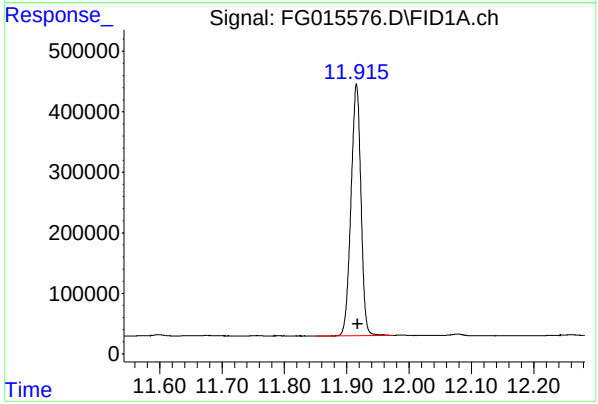
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 2337684
Conc: 28.28 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.916 min
Delta R.T.: -0.002 min
Response: 4599447
Conc: 31.54 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03282
Data File : FG015576.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:57
Sample : Q1664-01
Misc :
ALS Vial : 74 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	4.382	4.362	4.447	PV	8062	93563	1.94%	0.411%
2	4.462	4.447	4.482	VV	538	5916	0.12%	0.026%
3	4.519	4.482	4.546	PV	3205	36865	0.76%	0.162%
4	4.551	4.546	4.575	VV	244	2291	0.05%	0.010%
5	4.597	4.575	4.604	VV	757	7802	0.16%	0.034%
6	4.621	4.604	4.633	VV	1597	20902	0.43%	0.092%
7	4.646	4.633	4.669	VV	2154	27599	0.57%	0.121%
8	4.708	4.669	4.734	VV	7047	95214	1.97%	0.418%
9	4.740	4.734	4.751	VV	478	4345	0.09%	0.019%
10	4.772	4.751	4.787	VV	5099	54577	1.13%	0.240%
11	4.805	4.787	4.864	VV	10757	117906	2.44%	0.518%
12	4.887	4.864	4.917	VV	2355	34940	0.72%	0.153%
13	4.932	4.917	4.964	VV	1218	18065	0.37%	0.079%
14	4.977	4.964	4.997	VV	369	5234	0.11%	0.023%
15	5.015	4.997	5.046	VV	794	9495	0.20%	0.042%
16	5.078	5.046	5.091	VV	237	3722	0.08%	0.016%
17	5.104	5.091	5.119	VV	292	3508	0.07%	0.015%
18	5.135	5.119	5.166	VV	1136	17063	0.35%	0.075%
19	5.200	5.166	5.207	VV	3770	41088	0.85%	0.180%
20	5.224	5.207	5.264	VV	19883	244607	5.07%	1.074%
21	5.287	5.264	5.327	VV	3688	45367	0.94%	0.199%
22	5.346	5.327	5.379	VV	473	7115	0.15%	0.031%
23	5.402	5.379	5.411	VV	174	1922	0.04%	0.008%
24	5.433	5.411	5.452	VV	944	10648	0.22%	0.047%
25	5.473	5.452	5.517	VV	1019	17407	0.36%	0.076%
26	5.525	5.517	5.550	VV	258	4132	0.09%	0.018%
27	5.552	5.550	5.570	VV	230	2033	0.04%	0.009%
28	5.574	5.570	5.588	VV	176	1347	0.03%	0.006%
29	5.626	5.588	5.646	VV	646	8836	0.18%	0.039%
30	5.664	5.646	5.686	VV	1603	20109	0.42%	0.088%
31	5.708	5.686	5.728	VV	6598	72175	1.49%	0.317%
32	5.743	5.728	5.755	VV	1095	13608	0.28%	0.060%
33	5.768	5.755	5.797	VV	1610	20862	0.43%	0.092%
34	5.813	5.797	5.827	VV	524	7348	0.15%	0.032%
35	5.838	5.827	5.847	VV	606	6199	0.13%	0.027%
36	5.857	5.847	5.893	VV	615	8612	0.18%	0.038%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

					rteres			
37	5.911	5.893	5.947	VV	564	10436	0.22%	0.046%
38	5.977	5.947	6.001	VV	898	11566		
39	6.039	6.001	6.071	VV	337	7138		
40	6.078	6.071	6.093	VV	114	1209		
41	6.145	6.132	6.153	VV	242	2227		
42	6.156	6.153	6.162	VV	214	1063		
43	6.183	6.162	6.206	VV	412	6969	0.14%	0.031%
44	6.243	6.206	6.277	VV	1037	23864	0.49%	0.105%
45	6.299	6.277	6.322	VV	1471	22164	0.46%	0.097%
46	6.344	6.322	6.372	VV	4164	51042	1.06%	0.224%
47	6.378	6.372	6.394	VV	434	5059	0.10%	0.022%
48	6.413	6.394	6.439	VV	733	12539	0.26%	0.055%
49	6.483	6.439	6.513	VV	1724	37093	0.77%	0.163%
50	6.549	6.513	6.572	VV	434	10649	0.22%	0.047%
51	6.583	6.572	6.652	VV	293	10031	0.21%	0.044%
52	6.662	6.652	6.676	VV	338	3545	0.07%	0.016%
53	6.700	6.676	6.726	VV	3672	44644	0.92%	0.196%
54	6.746	6.726	6.757	VV	619	8627	0.18%	0.038%
55	6.787	6.757	6.806	VV	2866	37557	0.78%	0.165%
56	6.822	6.806	6.836	VV	1927	21663	0.45%	0.095%
57	6.854	6.836	6.874	VV	5559	62173	1.29%	0.273%
58	6.888	6.874	6.907	VV	1478	17042	0.35%	0.075%
59	6.929	6.907	6.948	VV	3217	34430	0.71%	0.151%
60	6.959	6.948	6.976	VV	442	5066	0.10%	0.022%
61	6.983	6.976	6.994	VV	238	1933	0.04%	0.008%
62	7.032	6.994	7.054	VV	492	8482	0.18%	0.037%
63	7.084	7.054	7.103	VV	695	10039	0.21%	0.044%
64	7.107	7.103	7.128	VV	246	1798	0.04%	0.008%
65	7.156	7.128	7.189	PV	2755	32591	0.67%	0.143%
66	7.211	7.189	7.227	VV	3385	43779	0.91%	0.192%
67	7.256	7.227	7.310	VV	4208	104290	2.16%	0.458%
68	7.341	7.310	7.368	VV	5728	81294	1.68%	0.357%
69	7.387	7.368	7.408	VV	1319	19650	0.41%	0.086%
70	7.423	7.408	7.428	VV	426	4292	0.09%	0.019%
71	7.448	7.428	7.474	VV	864	12521	0.26%	0.055%
72	7.506	7.474	7.544	VV	9464	110609	2.29%	0.486%
73	7.569	7.544	7.578	VV	1255	14847	0.31%	0.065%
74	7.586	7.578	7.599	VV	1017	9646	0.20%	0.042%
75	7.617	7.599	7.631	VV	1857	21364	0.44%	0.094%
76	7.649	7.631	7.671	VV	2457	34122	0.71%	0.150%
77	7.689	7.671	7.699	VV	794	9829	0.20%	0.043%
78	7.715	7.699	7.729	VV	1527	19200	0.40%	0.084%
79	7.743	7.729	7.766	VV	2333	26850	0.56%	0.118%
80	7.812	7.778	7.844	VV	496	10825	0.22%	0.048%
81	7.865	7.844	7.883	VV	456	5981	0.12%	0.026%
82	7.916	7.892	7.935	VV	3552	39593	0.82%	0.174%
83	7.964	7.935	8.039	VV	446822	4828617	100.00%	21.205%
84	8.049	8.039	8.100	VV	2923	81336	1.68%	0.357%
85	8.110	8.100	8.163	VV	1814	46300	0.96%	0.203%
86	8.181	8.163	8.204	VV	1464	25231	0.52%	0.111%
87	8.227	8.204	8.252	VV	2879	40186	0.83%	0.176%
88	8.263	8.252	8.274	VV	634	7243	0.15%	0.032%
89	8.284	8.274	8.302	VV	696	9109	0.19%	0.040%

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90	8.322	8.302	8.347	VV	1210	20771	0.43%	0.091%
91	8.355	8.347	8.384	VV	492	8735		
92	8.390	8.384	8.401	VV	397	3087		
93	8.413	8.401	8.419	VV	465	4613		
94	8.442	8.419	8.464	VV	716	12777		
95	8.480	8.464	8.502	VV	436	7470		
96	8.536	8.502	8.557	VV	3294	44771	0.93%	0.197%
97	8.568	8.557	8.584	VV	939	12051	0.25%	0.053%
98	8.606	8.584	8.613	VV	1322	14495	0.30%	0.064%
99	8.632	8.613	8.640	VV	1833	21430	0.44%	0.094%
100	8.649	8.640	8.669	VV	1779	24918	0.52%	0.109%
101	8.688	8.669	8.709	VV	1470	22789	0.47%	0.100%
102	8.732	8.709	8.751	VV	1536	21454	0.44%	0.094%
103	8.771	8.751	8.807	VV	1663	22646	0.47%	0.099%
104	8.842	8.807	8.954	VV	192965	2514787	52.08%	11.044%
105	8.969	8.954	8.984	VV	2873	46158	0.96%	0.203%
106	8.999	8.984	9.017	VV	2935	47338	0.98%	0.208%
107	9.030	9.017	9.042	VV	2356	30313	0.63%	0.133%
108	9.054	9.042	9.064	VV	2239	26613	0.55%	0.117%
109	9.096	9.064	9.126	VV	3547	89242	1.85%	0.392%
110	9.144	9.126	9.181	VV	1580	31238	0.65%	0.137%
111	9.196	9.181	9.222	VV	1395	23055	0.48%	0.101%
112	9.267	9.222	9.294	VV	102831	1115836	23.11%	4.900%
113	9.300	9.294	9.336	VV	4176	73112	1.51%	0.321%
114	9.382	9.336	9.416	VV	6305	137264	2.84%	0.603%
115	9.423	9.416	9.437	VV	1055	11709	0.24%	0.051%
116	9.455	9.437	9.483	VV	1869	28977	0.60%	0.127%
117	9.503	9.483	9.535	VV	1131	19352	0.40%	0.085%
118	9.556	9.535	9.563	VV	490	6887	0.14%	0.030%
119	9.587	9.563	9.626	VV	955	21387	0.44%	0.094%
120	9.651	9.626	9.661	VV	1115	14887	0.31%	0.065%
121	9.672	9.661	9.689	VV	1197	15307	0.32%	0.067%
122	9.734	9.689	9.783	VV	2374	53263	1.10%	0.234%
123	9.792	9.783	9.796	VV	389	2550	0.05%	0.011%
124	9.812	9.796	9.821	VV	679	8295	0.17%	0.036%
125	9.832	9.821	9.856	VV	669	9674	0.20%	0.042%
126	9.874	9.856	9.903	VV	1494	20174	0.42%	0.089%
127	9.909	9.903	9.915	VV	359	2378	0.05%	0.010%
128	9.941	9.915	9.960	VV	792	15113	0.31%	0.066%
129	9.982	9.960	9.997	VV	1782	24608	0.51%	0.108%
130	10.020	9.997	10.114	VV	15085	279507	5.79%	1.227%
131	10.117	10.114	10.129	VV	952	7486	0.16%	0.033%
132	10.150	10.129	10.181	VV	2699	40974	0.85%	0.180%
133	10.223	10.181	10.288	VV	1688	65833	1.36%	0.289%
134	10.297	10.288	10.309	VV	792	9349	0.19%	0.041%
135	10.320	10.309	10.340	VV	839	11800	0.24%	0.052%
136	10.345	10.340	10.377	VV	394	6759	0.14%	0.030%
137	10.400	10.377	10.409	VV	385	5361	0.11%	0.024%
138	10.427	10.409	10.445	VV	689	10659	0.22%	0.047%
139	10.473	10.445	10.484	VV	1158	20575	0.43%	0.090%
140	10.491	10.484	10.514	VV	1194	17068	0.35%	0.075%
141	10.546	10.514	10.562	VV	1348	27104	0.56%	0.119%

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142	10.583	10.562	10.599	VV	1253	21115	0.44%	0.093%
143	10.619	10.599	10.625	VV	990	12520		
144	10.635	10.625	10.651	VV	991	12428		
145	10.668	10.651	10.694	VV	1351	21152		
146	10.706	10.694	10.712	VV	513	5105		
147	10.715	10.712	10.722	VV	392	2169		
148	10.751	10.722	10.765	VV	1225	20952	0.43%	0.092%
149	10.777	10.765	10.807	VV	1113	21902	0.45%	0.096%
150	10.831	10.807	10.860	VV	1584	40068	0.83%	0.176%
151	10.868	10.860	10.872	VV	1076	7568	0.16%	0.033%
152	10.893	10.872	10.927	VV	1904	43810	0.91%	0.192%
153	10.947	10.927	10.966	VV	1476	22859	0.47%	0.100%
154	10.980	10.966	10.994	VV	1003	15244	0.32%	0.067%
155	11.021	10.994	11.052	VV	3159	57250	1.19%	0.251%
156	11.107	11.052	11.135	VV	1585	40410	0.84%	0.177%
157	11.177	11.135	11.200	VV	1488	38319	0.79%	0.168%
158	11.211	11.200	11.251	VV	1152	26516	0.55%	0.116%
159	11.263	11.251	11.275	VV	755	9257	0.19%	0.041%
160	11.318	11.275	11.337	VV	1511	33493	0.69%	0.147%
161	11.348	11.337	11.368	VV	854	11320	0.23%	0.050%
162	11.381	11.368	11.442	VV	394	10428	0.22%	0.046%
163	11.457	11.442	11.492	VV	240	3832	0.08%	0.017%
164	11.529	11.501	11.553	VV	960	13342	0.28%	0.059%
165	11.599	11.553	11.623	VV	2205	32826	0.68%	0.144%
166	11.648	11.623	11.657	VV	627	7677	0.16%	0.034%
167	11.676	11.657	11.736	VV	939	20161	0.42%	0.089%
168	11.756	11.736	11.774	VV	799	8880	0.18%	0.039%
169	11.791	11.774	11.822	VV	385	6895	0.14%	0.030%
170	11.832	11.822	11.854	VV	285	3027	0.06%	0.013%
171	11.916	11.854	11.975	PV	416138	4644111	96.18%	20.395%
172	11.988	11.975	12.012	VV	1600	27412	0.57%	0.120%
173	12.037	12.012	12.045	VV	1079	19071	0.39%	0.084%
174	12.078	12.045	12.109	VV	3166	57026	1.18%	0.250%
175	12.122	12.109	12.139	VV	424	6345	0.13%	0.028%
176	12.170	12.139	12.180	VV	492	9900	0.21%	0.043%
177	12.196	12.180	12.212	VV	624	10203	0.21%	0.045%
178	12.261	12.212	12.292	VV	1962	56288	1.17%	0.247%
179	12.323	12.292	12.351	VV	22395	288064	5.97%	1.265%
180	12.362	12.351	12.386	VV	1526	22318	0.46%	0.098%
181	12.405	12.386	12.417	VV	825	12081	0.25%	0.053%
182	12.425	12.417	12.446	VV	772	11040	0.23%	0.048%
183	12.487	12.446	12.500	VV	2283	49608	1.03%	0.218%
184	12.530	12.500	12.615	VV	74905	950077	19.68%	4.172%
185	12.645	12.615	12.659	VV	781	17135	0.35%	0.075%
186	12.685	12.659	12.713	VV	995	25170	0.52%	0.111%
187	12.771	12.713	12.814	VV	8374	136992	2.84%	0.602%
188	12.850	12.814	12.884	VV	1886	32083	0.66%	0.141%
189	12.913	12.884	12.936	VV	2569	35109	0.73%	0.154%
190	12.978	12.936	13.045	VV	3927	66442	1.38%	0.292%
191	13.055	13.045	13.074	VV	288	2838	0.06%	0.012%
192	13.082	13.074	13.126	VV	164	1009	0.02%	0.004%
193	13.188	13.134	13.219	VV	589	18594	0.39%	0.082%
194	13.239	13.219	13.254	VV	512	7204	0.15%	0.032%

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195	13.279	13.254	13.319	VV	1555	32621	0.68%	0.143%
196	13.358	13.319	13.452	VV	55248	719375	14	
197	13.456	13.452	13.461	VV	658	3007	0	
198	13.464	13.461	13.468	VV	644	2590	0	
199	13.478	13.468	13.504	VV	613	11410	0	
200	13.522	13.504	13.554	VV	1029	23123	0	
201	13.581	13.554	13.623	VV	14089	193827	4.01%	0.851%
202	13.652	13.623	13.680	VV	806	19336	0.40%	0.085%
203	13.686	13.680	13.700	VV	409	4413	0.09%	0.019%
204	13.736	13.700	13.740	VV	1176	19266	0.40%	0.085%
205	13.758	13.740	13.778	VV	3200	41411	0.86%	0.182%
206	13.812	13.778	13.846	VV	1217	33773	0.70%	0.148%
207	13.866	13.846	13.891	VV	589	10445	0.22%	0.046%
208	13.906	13.891	13.918	VV	550	7334	0.15%	0.032%
209	13.934	13.918	13.951	VV	754	11375	0.24%	0.050%
210	13.983	13.951	14.009	VV	753	17866	0.37%	0.078%
211	14.067	14.009	14.092	VV	4072	69558	1.44%	0.305%
212	14.115	14.092	14.189	VV	2225	43809	0.91%	0.192%
213	14.231	14.189	14.272	VV	905	19950	0.41%	0.088%
214	14.335	14.301	14.347	PV	331	5616	0.12%	0.025%
215	14.353	14.347	14.360	VV	317	2209	0.05%	0.010%
216	14.364	14.360	14.391	VV	448	4762	0.10%	0.021%
217	14.411	14.391	14.430	VV	259	4640	0.10%	0.020%
218	14.450	14.430	14.461	VV	384	5168	0.11%	0.023%
219	14.476	14.461	14.499	VV	368	6740	0.14%	0.030%
220	14.551	14.499	14.597	VV	2195	54279	1.12%	0.238%
221	14.605	14.597	14.626	VV	652	9497	0.20%	0.042%
222	14.640	14.626	14.652	VV	483	6451	0.13%	0.028%
223	14.656	14.652	14.660	VV	441	1813	0.04%	0.008%
224	14.678	14.660	14.706	VV	763	14410	0.30%	0.063%
225	14.712	14.706	14.721	VV	420	2936	0.06%	0.013%
226	14.750	14.721	14.769	VV	895	18631	0.39%	0.082%
227	14.780	14.769	14.797	VV	847	12439	0.26%	0.055%
228	14.819	14.797	14.857	VV	803	23427	0.49%	0.103%
229	14.887	14.857	14.917	VV	707	17439	0.36%	0.077%
230	14.936	14.917	14.947	VV	611	8421	0.17%	0.037%
231	14.997	14.947	15.012	VV	811	24397	0.51%	0.107%
232	15.029	15.012	15.047	VV	829	12424	0.26%	0.055%
233	15.061	15.047	15.083	VV	574	8578	0.18%	0.038%
234	15.101	15.083	15.129	VV	327	7519	0.16%	0.033%
235	15.181	15.129	15.208	VV	2740	67215	1.39%	0.295%
236	15.220	15.208	15.242	VV	2499	35291	0.73%	0.155%
237	15.266	15.242	15.306	VV	3600	58879	1.22%	0.259%
238	15.309	15.306	15.316	VV	313	1395	0.03%	0.006%
239	15.322	15.316	15.362	VV	281	4212	0.09%	0.018%
240	15.387	15.362	15.440	VV	1010	19373	0.40%	0.085%
241	15.465	15.451	15.499	VV	192	3489	0.07%	0.015%
242	15.528	15.499	15.558	VV	370	5791	0.12%	0.025%
243	15.579	15.569	15.584	VV	161	1126	0.02%	0.005%
244	15.632	15.584	15.716	VV	9662	288377	5.97%	1.266%
245	15.759	15.716	15.792	VV	3181	73348	1.52%	0.322%
246	15.796	15.792	15.841	VV	552	12383	0.26%	0.054%

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247	15.879	15.841	15.906	VV	516	14356	0.30%	0.063%
248	15.924	15.906	15.930	VV	478	5909		
249	15.933	15.930	15.936	VV	438	1547		
250	15.954	15.936	16.003	VV	534	13806		
251	16.059	16.009	16.064	VV	543	11628		
252	16.068	16.064	16.077	VV	590	3946		
253	16.081	16.077	16.086	VV	481	2224	0.05%	0.010%
254	16.101	16.086	16.141	VV	709	17623	0.36%	0.077%
255	16.167	16.141	16.187	VV	607	13426	0.28%	0.059%
256	16.205	16.187	16.224	VV	1024	15513	0.32%	0.068%
257	16.244	16.224	16.280	VV	1918	32260	0.67%	0.142%
258	16.310	16.280	16.346	VV	956	27911	0.58%	0.123%
259	16.364	16.346	16.404	VV	602	10506	0.22%	0.046%
260	16.425	16.404	16.430	VV	616	5548	0.11%	0.024%
261	16.432	16.430	16.466	VV	531	5645	0.12%	0.025%
262	16.551	16.503	16.583	VV	808	17956	0.37%	0.079%
263	16.658	16.596	16.672	VV	1066	21699	0.45%	0.095%
264	16.686	16.672	16.714	VV	1253	21317	0.44%	0.094%
265	16.730	16.714	16.757	VV	974	17055	0.35%	0.075%
266	16.763	16.757	16.779	VV	447	4837	0.10%	0.021%
267	16.811	16.779	16.839	VV	980	17524	0.36%	0.077%
268	16.879	16.839	16.912	VV	1761	36984	0.77%	0.162%
269	16.964	16.912	17.011	VV	1570	34750	0.72%	0.153%
270	17.036	17.011	17.049	VV	266	4078	0.08%	0.018%
271	17.062	17.056	17.069	VV	298	2000	0.04%	0.009%
272	17.087	17.069	17.096	VV	429	4896	0.10%	0.021%
273	17.126	17.096	17.142	VV	641	12213	0.25%	0.054%
274	17.163	17.142	17.176	VV	1042	15293	0.32%	0.067%
275	17.197	17.176	17.219	VV	1947	29279	0.61%	0.129%
276	17.244	17.219	17.308	VV	6090	91289	1.89%	0.401%
277	17.325	17.308	17.333	VV	235	2681	0.06%	0.012%
278	17.339	17.333	17.358	VV	179	1681	0.03%	0.007%
279	17.389	17.358	17.413	VV	321	4083	0.08%	0.018%
280	17.432	17.413	17.437	PV	157	1280	0.03%	0.006%
281	17.464	17.444	17.485	VV	252	4107	0.09%	0.018%
282	17.531	17.485	17.559	VV	845	17628	0.37%	0.077%
283	17.610	17.559	17.615	VV	856	18047	0.37%	0.079%
284	17.649	17.615	17.684	VV	2374	48577	1.01%	0.213%
285	17.690	17.684	17.699	VV	323	2379	0.05%	0.010%
286	17.736	17.699	17.746	VV	577	12288	0.25%	0.054%
287	17.752	17.746	17.769	VV	458	5400	0.11%	0.024%
288	17.775	17.769	17.779	VV	398	2152	0.04%	0.009%
289	17.782	17.779	17.801	VV	417	4344	0.09%	0.019%
290	17.806	17.801	17.817	VV	321	2610	0.05%	0.011%
291	17.823	17.817	17.837	VV	330	3084	0.06%	0.014%
292	17.871	17.837	17.876	VV	366	7588	0.16%	0.033%
293	17.891	17.876	17.896	VV	426	4121	0.09%	0.018%
294	17.907	17.896	17.914	VV	409	3842	0.08%	0.017%
295	17.921	17.914	17.941	VV	351	4073	0.08%	0.018%
296	17.961	17.941	17.969	VV	284	3613	0.07%	0.016%
297	18.002	17.969	18.014	VV	241	5423	0.11%	0.024%
298	18.053	18.014	18.067	VV	1355	27713	0.57%	0.122%
299	18.086	18.067	18.121	VV	3231	49741	1.03%	0.218%

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300	18.131	18.128	18.142	VV	219	1215	0.03%	0.005%
301	18.176	18.142	18.220	VV	4103	71168	1	
302	18.224	18.220	18.228	VV	463	2095	0	
303	18.231	18.228	18.235	VV	486	1830	0	
304	18.238	18.235	18.249	VV	435	3348	0	
305	18.262	18.249	18.290	VV	448	7550	0	
306	18.313	18.290	18.339	VV	449	7148	0.15%	0.031%
307	18.371	18.339	18.381	PV	246	3501	0.07%	0.015%
308	18.410	18.381	18.428	VV	910	13335	0.28%	0.059%
309	18.506	18.428	18.584	VV	5874	237411	4.92%	1.043%
310	18.613	18.584	18.681	VV	917	30095	0.62%	0.132%
311	18.748	18.681	18.813	VV	1507	45742	0.95%	0.201%
312	18.818	18.813	18.841	VV	245	2427	0.05%	0.011%
313	18.920	18.861	18.978	PV	3794	74689	1.55%	0.328%
			Sum of corrected areas:			22770612		

Aromatic EPH 031725.M Sat Mar 29 04:44:53 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 17:59	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	10.1	J	1	8.28	30.0	ug/l	FC068472.D
Aliphatic C12-C16	Aliphatic C12-C16	32.9		1	13.5	20.0	ug/l	FC068472.D
Aliphatic C16-C21	Aliphatic C16-C21	13.6	J	1	8.34	30.0	ug/l	FC068472.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068472.D
Aliphatic C28-C40	Aliphatic C28-C40	39.1	J	1	23.8	60.0	ug/l	FC068472.D
Aromatic C10-C12	Aromatic C10-C12	15.9	J	1	2.07	20.0	ug/l	FG015598.D
Aromatic C12-C16	Aromatic C12-C16	65.6		1	4.26	30.0	ug/l	FG015598.D
Aromatic C16-C21	Aromatic C16-C21	67.4		1	8.27	50.0	ug/l	FG015598.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015598.D
Total AliphaticEPH	Total AliphaticEPH	95.7	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	149	J		38.4	180	ug/l	
Total EPH	Total EPH	245	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068472.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.1	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	32.9		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.6	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	39.1	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-04	Acq On:	01 Apr 2025 17:59
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP/AJ
Data file:	FC068472.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	815790	5.026	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2768396	16.46	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1162612	6.779	300	ug/ml
Aliphatic C21-C28	13.097	16.749	824245	4.881	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2658895	19.526	600	ug/ml
Aliphatic EPH	3.097	21.544	8229938	52.671		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6129327	41.12		ug/ml
Aliphatic C9-C28	3.097	16.749	5571043	33.146	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068472.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:59
Operator : YP/AJ
Sample : Q1664-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01

Integration File: autoint1.e
Quant Time: Apr 02 02:59:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	6129327	41.116 ug/ml
Spiked Amount 50.000		Recovery = 82.23%	
Target Compounds			

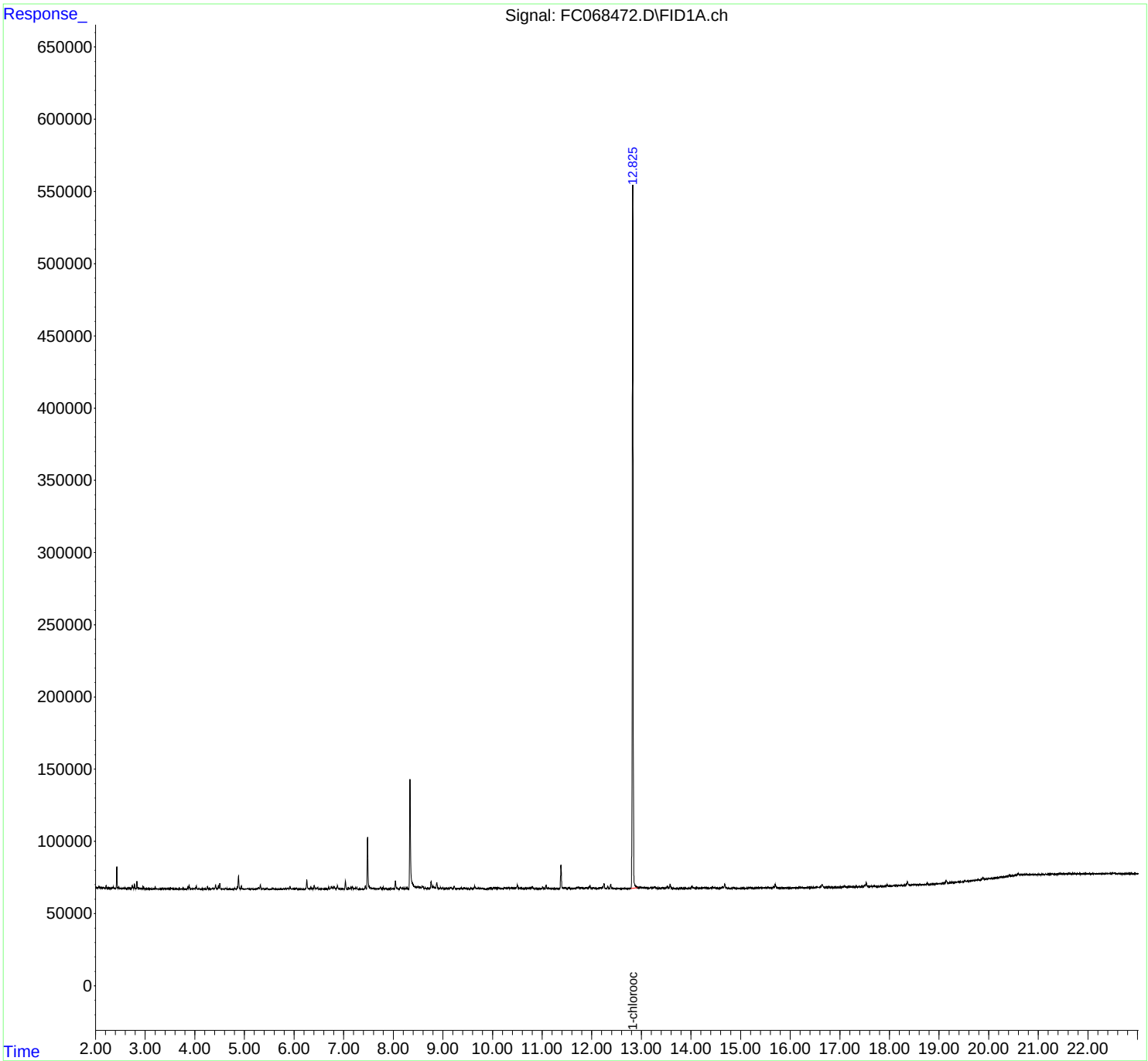
(f)=RT Delta > 1/2 Window (m)=manual int.

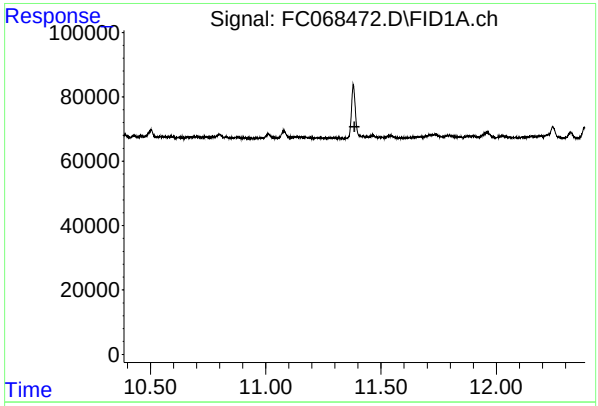
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068472.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:59
Operator : YP/AJ
Sample : Q1664-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01

Integration File: autoint1.e
Quant Time: Apr 02 02:59:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

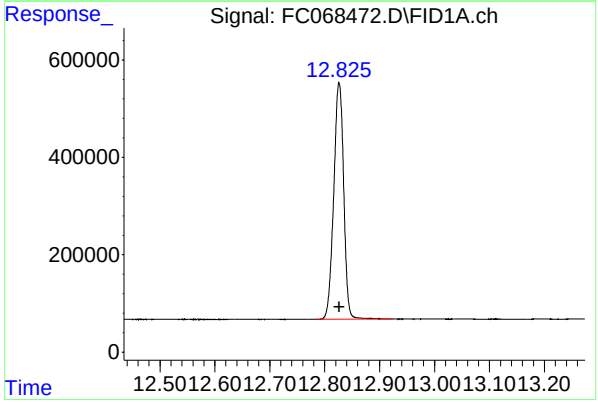




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 6129327
Conc: 41.12 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068472.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:59
Sample : Q1664-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.355	2.304	2.386	BV	959	7120	0.12%	0.047%
2	2.399	2.386	2.411	PV	71	431	0.01%	0.003%
3	2.428	2.411	2.452	VV	15091	113354	1.83%	0.756%
4	2.468	2.452	2.482	VV	672	6440	0.10%	0.043%
5	2.490	2.482	2.507	VV	343	2865	0.05%	0.019%
6	2.519	2.507	2.541	VV	199	2444	0.04%	0.016%
7	2.554	2.541	2.568	PV	325	2425	0.04%	0.016%
8	2.588	2.568	2.618	VV	461	5058	0.08%	0.034%
9	2.628	2.618	2.635	VV	101	734	0.01%	0.005%
10	2.651	2.635	2.688	VV	598	6683	0.11%	0.045%
11	2.708	2.688	2.721	PV	125	1687	0.03%	0.011%
12	2.738	2.721	2.766	VV	2183	31483	0.51%	0.210%
13	2.784	2.766	2.818	VV	3384	31468	0.51%	0.210%
14	2.833	2.818	2.878	VV	5265	49196	0.80%	0.328%
15	2.911	2.878	2.941	VV	307	6444	0.10%	0.043%
16	2.956	2.941	3.001	VV	1597	16962	0.27%	0.113%
17	3.022	3.001	3.048	VV	191	2795	0.05%	0.019%
18	3.057	3.048	3.129	VV	169	2878	0.05%	0.019%
19	3.201	3.129	3.287	PV	1021	14580	0.24%	0.097%
20	3.297	3.287	3.331	VV	194	2981	0.05%	0.020%
21	3.356	3.331	3.384	PV	337	5550	0.09%	0.037%
22	3.397	3.384	3.435	VV	222	3631	0.06%	0.024%
23	3.474	3.435	3.503	VV	341	8662	0.14%	0.058%
24	3.518	3.503	3.548	VV	765	7490	0.12%	0.050%
25	3.565	3.548	3.582	VV	413	4523	0.07%	0.030%
26	3.592	3.582	3.667	VV	180	5680	0.09%	0.038%
27	3.688	3.667	3.718	PV	327	5064	0.08%	0.034%
28	3.764	3.718	3.826	VV	614	10539	0.17%	0.070%
29	3.858	3.826	3.870	VV	1112	11469	0.19%	0.077%
30	3.886	3.870	3.934	VV	2766	29468	0.48%	0.197%
31	3.951	3.934	3.977	VV	396	5207	0.08%	0.035%
32	4.031	3.977	4.060	VV	1928	30377	0.49%	0.203%
33	4.078	4.060	4.138	VV	262	6527	0.11%	0.044%
34	4.206	4.138	4.228	VV	274	9166	0.15%	0.061%
35	4.255	4.228	4.288	VV	1967	24222	0.39%	0.162%
36	4.293	4.288	4.318	VV	367	3989	0.06%	0.027%

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37	4.327	4.318	4.336	VV	191	1662	0.03%	0.011%
38	4.365	4.336	4.385	VV	751	10577	0.17%	0.071%
39	4.419	4.385	4.442	VV	2977	35207	0.57%	0.235%
40	4.452	4.442	4.456	VV	426	3251	0.05%	0.022%
41	4.475	4.456	4.491	VV	2570	26887	0.43%	0.179%
42	4.504	4.491	4.590	VV	4155	46084	0.75%	0.307%
43	4.620	4.590	4.677	VV	475	12642	0.20%	0.084%
44	4.697	4.677	4.755	VV	293	6978	0.11%	0.047%
45	4.803	4.755	4.825	PV	561	8487	0.14%	0.057%
46	4.881	4.825	4.913	VV	9322	124033	2.01%	0.827%
47	4.937	4.913	4.978	VV	1984	26018	0.42%	0.174%
48	4.989	4.978	5.018	VV	303	3787	0.06%	0.025%
49	5.071	5.018	5.095	VV	613	10928	0.18%	0.073%
50	5.112	5.095	5.138	VV	263	4310	0.07%	0.029%
51	5.167	5.138	5.211	VV	306	7795	0.13%	0.052%
52	5.247	5.211	5.264	VV	381	6670	0.11%	0.044%
53	5.283	5.264	5.302	VV	1275	16699	0.27%	0.111%
54	5.322	5.302	5.357	VV	3214	38358	0.62%	0.256%
55	5.379	5.357	5.409	VV	813	10607	0.17%	0.071%
56	5.419	5.409	5.427	VV	180	1747	0.03%	0.012%
57	5.455	5.427	5.504	VV	544	12720	0.21%	0.085%
58	5.531	5.504	5.548	VV	215	3512	0.06%	0.023%
59	5.572	5.548	5.597	VV	501	8468	0.14%	0.056%
60	5.626	5.597	5.717	VV	331	8406	0.14%	0.056%
61	5.733	5.717	5.759	VV	214	2690	0.04%	0.018%
62	5.781	5.759	5.800	VV	231	3425	0.06%	0.023%
63	5.834	5.800	5.857	VV	603	12190	0.20%	0.081%
64	5.877	5.857	5.901	VV	969	11919	0.19%	0.080%
65	5.919	5.901	5.955	VV	1946	24108	0.39%	0.161%
66	5.981	5.955	6.011	VV	847	11516	0.19%	0.077%
67	6.050	6.011	6.124	VV	820	19822	0.32%	0.132%
68	6.147	6.124	6.166	VV	138	2728	0.04%	0.018%
69	6.185	6.166	6.208	VV	160	2946	0.05%	0.020%
70	6.258	6.208	6.312	VV	6615	80583	1.30%	0.538%
71	6.341	6.312	6.360	VV	1511	18905	0.31%	0.126%
72	6.376	6.360	6.388	VV	931	10134	0.16%	0.068%
73	6.406	6.388	6.426	VV	2654	30155	0.49%	0.201%
74	6.440	6.426	6.458	VV	887	10161	0.16%	0.068%
75	6.478	6.458	6.513	VV	1381	17806	0.29%	0.119%
76	6.530	6.513	6.550	VV	234	4182	0.07%	0.028%
77	6.570	6.550	6.604	VV	290	5786	0.09%	0.039%
78	6.625	6.604	6.641	VV	289	4494	0.07%	0.030%
79	6.650	6.641	6.673	VV	263	3426	0.06%	0.023%
80	6.697	6.673	6.731	VV	1374	16838	0.27%	0.112%
81	6.751	6.731	6.784	VV	1958	34079	0.55%	0.227%
82	6.799	6.784	6.844	VV	1532	33806	0.55%	0.226%
83	6.876	6.844	6.900	VV	2547	36625	0.59%	0.244%
84	6.916	6.900	6.941	VV	387	5502	0.09%	0.037%
85	6.980	6.941	7.004	VV	428	9347	0.15%	0.062%
86	7.037	7.004	7.071	VV	5819	63639	1.03%	0.425%
87	7.099	7.071	7.128	VV	755	16639	0.27%	0.111%
88	7.145	7.128	7.156	VV	1026	11556	0.19%	0.077%
89	7.177	7.156	7.198	VV	1939	26179	0.42%	0.175%

90	7.213	7.198	7.224	VV	466	5822	0.09%	0.039%
91	7.240	7.224	7.253	VV	924	11256	0.18%	0.075%
92	7.267	7.253	7.292	VV	1244	13915	0.22%	0.093%
93	7.341	7.292	7.371	VV	272	5575	0.09%	0.037%
94	7.387	7.371	7.405	VV	225	2497	0.04%	0.017%
95	7.437	7.405	7.457	PV	2285	25450	0.41%	0.170%
96	7.483	7.457	7.568	VV	36417	435030	7.03%	2.902%
97	7.579	7.568	7.594	VV	625	8358	0.14%	0.056%
98	7.604	7.594	7.622	VV	660	8104	0.13%	0.054%
99	7.632	7.622	7.645	VV	395	4885	0.08%	0.033%
100	7.654	7.645	7.680	VV	387	6184	0.10%	0.041%
101	7.696	7.680	7.724	VV	522	7805	0.13%	0.052%
102	7.742	7.724	7.768	VV	1581	18938	0.31%	0.126%
103	7.797	7.768	7.817	VV	1163	15015	0.24%	0.100%
104	7.833	7.817	7.884	VV	468	10097	0.16%	0.067%
105	7.911	7.884	7.934	VV	213	3673	0.06%	0.025%
106	7.952	7.934	7.978	VV	751	10186	0.16%	0.068%
107	7.985	7.978	8.015	VV	315	5801	0.09%	0.039%
108	8.045	8.015	8.120	VV	5778	80572	1.30%	0.537%
109	8.155	8.120	8.181	VV	1016	24518	0.40%	0.164%
110	8.194	8.181	8.215	VV	776	10734	0.17%	0.072%
111	8.237	8.215	8.257	VV	781	10910	0.18%	0.073%
112	8.277	8.257	8.309	VV	1026	13673	0.22%	0.091%
113	8.338	8.309	8.483	VV	76457	1091693	17.65%	7.282%
114	8.503	8.483	8.518	VV	1760	30685	0.50%	0.205%
115	8.532	8.518	8.565	VV	1397	34675	0.56%	0.231%
116	8.587	8.565	8.623	VV	1932	46042	0.74%	0.307%
117	8.645	8.623	8.676	VV	1143	19032	0.31%	0.127%
118	8.695	8.676	8.718	VV	953	14339	0.23%	0.096%
119	8.765	8.718	8.785	VV	5311	72630	1.17%	0.484%
120	8.800	8.785	8.847	VV	1949	47961	0.78%	0.320%
121	8.878	8.847	8.927	VV	4504	79802	1.29%	0.532%
122	8.951	8.927	8.977	VV	1340	19007	0.31%	0.127%
123	8.999	8.977	9.028	VV	869	14238	0.23%	0.095%
124	9.080	9.028	9.094	VV	647	14480	0.23%	0.097%
125	9.106	9.094	9.125	VV	444	6783	0.11%	0.045%
126	9.164	9.125	9.199	VV	1068	27819	0.45%	0.186%
127	9.227	9.199	9.265	VV	1983	33065	0.53%	0.221%
128	9.301	9.265	9.346	VV	517	16341	0.26%	0.109%
129	9.368	9.346	9.398	VV	948	14304	0.23%	0.095%
130	9.422	9.398	9.454	VV	980	16800	0.27%	0.112%
131	9.477	9.454	9.538	VV	418	11511	0.19%	0.077%
132	9.563	9.538	9.617	VV	633	16062	0.26%	0.107%
133	9.641	9.617	9.694	VV	2260	38586	0.62%	0.257%
134	9.715	9.694	9.774	VV	724	23189	0.37%	0.155%
135	9.786	9.774	9.801	VV	492	6477	0.10%	0.043%
136	9.811	9.801	9.835	VV	430	5485	0.09%	0.037%
137	9.852	9.835	9.865	VV	190	2107	0.03%	0.014%
138	9.917	9.865	9.931	VV	511	10584	0.17%	0.071%
139	9.957	9.931	9.994	VV	917	19860	0.32%	0.132%
140	10.033	9.994	10.049	VV	902	19825	0.32%	0.132%
141	10.068	10.049	10.088	VV	908	15461	0.25%	0.103%

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142	10.120	10.088	10.135	VV	674	15238	0.25%	0.102%
143	10.146	10.135	10.174	VV	534	9121	0.15%	0.061%
144	10.193	10.174	10.210	VV	413	6210	0.10%	0.041%
145	10.237	10.210	10.254	VV	965	15933	0.26%	0.106%
146	10.269	10.254	10.291	VV	816	14417	0.23%	0.096%
147	10.317	10.291	10.358	VV	1136	27748	0.45%	0.185%
148	10.379	10.358	10.412	VV	1077	26223	0.42%	0.175%
149	10.429	10.412	10.445	VV	876	12729	0.21%	0.085%
150	10.460	10.445	10.473	VV	781	11366	0.18%	0.076%
151	10.502	10.473	10.529	VV	2674	45670	0.74%	0.305%
152	10.555	10.529	10.574	VV	585	14695	0.24%	0.098%
153	10.592	10.574	10.644	VV	616	17255	0.28%	0.115%
154	10.659	10.644	10.673	VV	529	7033	0.11%	0.047%
155	10.694	10.673	10.723	VV	564	14292	0.23%	0.095%
156	10.740	10.723	10.755	VV	521	8444	0.14%	0.056%
157	10.800	10.755	10.820	VV	1365	27204	0.44%	0.181%
158	10.830	10.820	10.848	VV	482	5501	0.09%	0.037%
159	10.880	10.848	10.920	VV	390	10074	0.16%	0.067%
160	10.937	10.920	10.948	VV	170	1737	0.03%	0.012%
161	10.962	10.948	10.977	VV	176	1751	0.03%	0.012%
162	11.010	10.977	11.050	VV	1328	21970	0.36%	0.147%
163	11.078	11.050	11.111	VV	2383	36068	0.58%	0.241%
164	11.127	11.111	11.211	VV	440	18049	0.29%	0.120%
165	11.231	11.211	11.258	VV	322	4804	0.08%	0.032%
166	11.291	11.258	11.338	VV	210	6269	0.10%	0.042%
167	11.380	11.338	11.447	PV	16440	211522	3.42%	1.411%
168	11.464	11.447	11.500	VV	939	16948	0.27%	0.113%
169	11.541	11.500	11.595	VV	885	24364	0.39%	0.163%
170	11.601	11.595	11.614	VV	222	2215	0.04%	0.015%
171	11.669	11.614	11.684	VV	467	15027	0.24%	0.100%
172	11.735	11.684	11.770	VV	1265	42562	0.69%	0.284%
173	11.796	11.770	11.820	VV	928	20731	0.34%	0.138%
174	11.837	11.820	11.857	VV	532	9166	0.15%	0.061%
175	11.878	11.857	11.888	VV	716	9663	0.16%	0.064%
176	11.900	11.888	11.920	VV	670	10279	0.17%	0.069%
177	11.960	11.920	11.998	VV	1864	42881	0.69%	0.286%
178	12.026	11.998	12.100	VV	694	23277	0.38%	0.155%
179	12.155	12.100	12.171	VV	636	17995	0.29%	0.120%
180	12.190	12.171	12.204	VV	732	12274	0.20%	0.082%
181	12.245	12.204	12.293	VV	3582	63923	1.03%	0.426%
182	12.322	12.293	12.349	VV	1796	24673	0.40%	0.165%
183	12.382	12.349	12.430	VV	3420	47479	0.77%	0.317%
184	12.442	12.430	12.468	VV	310	4329	0.07%	0.029%
185	12.506	12.468	12.586	VV	260	9483	0.15%	0.063%
186	12.590	12.586	12.613	VV	79	225	0.00%	0.001%
187	12.661	12.613	12.694	PV	464	11963	0.19%	0.080%
188	12.707	12.694	12.726	VV	280	3044	0.05%	0.020%
189	12.751	12.726	12.783	VV	376	9442	0.15%	0.063%
190	12.826	12.783	12.938	VV	485755	6184870	100.00%	41.256%
191	12.953	12.938	12.974	VV	800	16631	0.27%	0.111%
192	12.992	12.974	13.025	VV	1043	26011	0.42%	0.174%
193	13.048	13.025	13.083	VV	1006	26905	0.44%	0.179%
194	13.109	13.083	13.155	VV	647	21484	0.35%	0.143%

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195	13.191	13.155	13.229	VV	865	26242	0.42%	0.175%
196	13.278	13.229	13.308	VV	1107	34769	0.56%	0.232%
197	13.324	13.308	13.360	VV	450	10856	0.18%	0.072%
198	13.378	13.360	13.403	VV	366	8394	0.14%	0.056%
199	13.427	13.403	13.471	VV	598	16943	0.27%	0.113%
200	13.485	13.471	13.497	VV	432	5757	0.09%	0.038%
201	13.525	13.497	13.553	VV	1602	28265	0.46%	0.189%
202	13.577	13.553	13.679	VV	3160	55908	0.90%	0.373%
203	13.694	13.679	13.708	VV	179	1944	0.03%	0.013%
204	13.715	13.708	13.744	VV	145	1926	0.03%	0.013%
205	13.803	13.744	13.895	VV	228	14922	0.24%	0.100%
206	13.916	13.895	13.931	VV	272	4534	0.07%	0.030%
207	13.948	13.931	13.977	VV	234	5368	0.09%	0.036%
208	14.016	13.977	14.121	VV	1591	51156	0.83%	0.341%
209	14.141	14.121	14.169	VV	480	10729	0.17%	0.072%
210	14.277	14.169	14.310	VV	585	33702	0.54%	0.225%
211	14.330	14.310	14.370	VV	458	12345	0.20%	0.082%
212	14.394	14.370	14.413	VV	538	10419	0.17%	0.069%
213	14.447	14.413	14.468	VV	682	17537	0.28%	0.117%
214	14.485	14.468	14.509	VV	730	12412	0.20%	0.083%
215	14.519	14.509	14.587	VV	378	11681	0.19%	0.078%
216	14.635	14.587	14.655	VV	1318	25812	0.42%	0.172%
217	14.679	14.655	14.788	VV	2871	57882	0.94%	0.386%
218	14.800	14.788	14.820	VV	96	1111	0.02%	0.007%
219	14.850	14.820	14.892	PV	521	9969	0.16%	0.066%
220	14.901	14.892	14.934	VV	210	3093	0.05%	0.021%
221	14.943	14.934	14.957	VV	179	1319	0.02%	0.009%
222	14.988	14.957	15.024	VV	162	4040	0.07%	0.027%
223	15.120	15.024	15.139	VV	275	12345	0.20%	0.082%
224	15.168	15.139	15.177	VV	347	6407	0.10%	0.043%
225	15.195	15.177	15.310	VV	516	22499	0.36%	0.150%
226	15.339	15.310	15.378	VV	402	14037	0.23%	0.094%
227	15.393	15.378	15.413	VV	447	7408	0.12%	0.049%
228	15.425	15.413	15.454	VV	357	6850	0.11%	0.046%
229	15.547	15.454	15.626	VV	552	37262	0.60%	0.249%
230	15.660	15.626	15.675	VV	1074	16406	0.27%	0.109%
231	15.697	15.675	15.778	VV	2618	53125	0.86%	0.354%
232	15.790	15.778	15.848	VV	147	3530	0.06%	0.024%
233	15.874	15.848	15.891	VV	190	2828	0.05%	0.019%
234	15.900	15.891	15.928	VV	100	1559	0.03%	0.010%
235	15.938	15.928	15.964	VV	158	1510	0.02%	0.010%
236	15.969	15.964	15.988	VV	91	869	0.01%	0.006%
237	15.997	15.988	16.008	VV	65	522	0.01%	0.003%
238	16.031	16.008	16.044	PV	62	1283	0.02%	0.009%
239	16.147	16.044	16.161	VV	154	7261	0.12%	0.048%
240	16.183	16.161	16.231	VV	449	10199	0.16%	0.068%
241	16.250	16.231	16.278	VV	230	5008	0.08%	0.033%
242	16.284	16.278	16.307	VV	117	2214	0.04%	0.015%
243	16.384	16.307	16.445	VV	358	18624	0.30%	0.124%
244	16.468	16.445	16.504	VV	312	7441	0.12%	0.050%
245	16.543	16.504	16.591	VV	406	16249	0.26%	0.108%
246	16.611	16.591	16.624	VV	948	14041	0.23%	0.094%

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247	16.645	16.624	16.728	VV	2242	46764	0.76%	0.312%
248	16.739	16.728	16.791	VV	288	7485	0.12%	0.050%
249	16.801	16.791	16.852	VV	218	5044	0.08%	0.034%
250	16.866	16.852	16.873	PV	89	650	0.01%	0.004%
251	16.957	16.873	16.995	VV	171	6948	0.11%	0.046%
252	17.096	16.995	17.128	VV	842	19858	0.32%	0.132%
253	17.172	17.128	17.198	VV	293	8777	0.14%	0.059%
254	17.235	17.198	17.263	VV	177	5553	0.09%	0.037%
255	17.287	17.263	17.303	VV	240	4112	0.07%	0.027%
256	17.319	17.303	17.330	VV	288	3690	0.06%	0.025%
257	17.350	17.330	17.377	VV	259	5934	0.10%	0.040%
258	17.385	17.377	17.434	VV	258	5420	0.09%	0.036%
259	17.531	17.434	17.591	VV	2691	66081	1.07%	0.441%
260	17.621	17.591	17.650	VV	264	7085	0.11%	0.047%
261	17.695	17.650	17.768	VV	259	11128	0.18%	0.074%
262	17.805	17.768	17.840	VV	199	4475	0.07%	0.030%
263	17.849	17.840	17.854	VV	138	1033	0.02%	0.007%
264	17.861	17.854	17.867	VV	99	834	0.01%	0.006%
265	17.954	17.867	18.003	PV	1056	25107	0.41%	0.167%
266	18.136	18.003	18.163	VV	198	15433	0.25%	0.103%
267	18.217	18.163	18.269	VV	309	12596	0.20%	0.084%
268	18.362	18.269	18.428	VV	2344	62235	1.01%	0.415%
269	18.493	18.428	18.598	VV	288	14371	0.23%	0.096%
270	18.761	18.598	18.816	VV	880	18738	0.30%	0.125%
271	19.145	18.816	19.221	PV	1837	61609	1.00%	0.411%
272	19.521	19.221	19.548	VV	1035	80798	1.31%	0.539%
273	19.784	19.548	19.828	VV	1152	135129	2.18%	0.901%
274	19.883	19.828	19.920	VV	2350	84392	1.36%	0.563%
275	20.241	19.920	20.274	VV	2113	334499	5.41%	2.231%
276	20.414	20.274	20.458	VV	2734	246270	3.98%	1.643%
277	20.594	20.458	20.634	VV	3424	289379	4.68%	1.930%
278	20.713	20.634	20.743	VV	2782	176362	2.85%	1.176%
279	20.771	20.743	20.814	VV	2713	111096	1.80%	0.741%
280	20.829	20.814	20.864	VV	2602	74404	1.20%	0.496%
281	20.880	20.864	20.911	VV	2432	65670	1.06%	0.438%
282	20.929	20.911	20.961	VV	2270	66143	1.07%	0.441%
283	20.996	20.961	21.038	VV	2195	96634	1.56%	0.645%
284	21.214	21.038	21.241	VV	1910	231287	3.74%	1.543%
285	21.257	21.241	21.278	VV	1821	39403	0.64%	0.263%
286	21.300	21.278	21.341	VV	1774	63397	1.03%	0.423%
287	21.443	21.341	21.498	VV	2000	155908	2.52%	1.040%
288	21.517	21.498	21.547	VV	1417	41413	0.67%	0.276%
289	21.650	21.547	21.812	VV	1375	184574	2.98%	1.231%
290	21.830	21.812	21.877	VV	840	28837	0.47%	0.192%
291	21.899	21.877	21.929	VV	641	19678	0.32%	0.131%
292	21.969	21.929	22.028	VV	616	29905	0.48%	0.199%
293	22.134	22.028	22.185	VV	293	23224	0.38%	0.155%

Sum of corrected areas: 14991501

Aliphatic EPH 032625.M Wed Apr 02 03:32:20 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-04		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015598.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		15.9	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16		65.6		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21		67.4		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36		23.8	U	23.8	80.0	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		43.1		40 - 140	86%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		42.1		40 - 140	84%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-04	Acq On:	01 Apr 2025 17:29
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP\AJ
Data file:	FG015598.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	4.450	6.329	1066109	7.956	200	ug/ml
Aromatic C12-C16	6.330	9.035	4496241	32.783	300	ug/ml
Aromatic C16-C21	9.036	13.365	4700633	33.718	500	ug/ml
Aromatic C21-C36	13.366	18.829	1497442	11.502	800	ug/ml
Aromatic EPH	4.450	18.829	11760425	85.959		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6142442	42.12		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5263544	43.09		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	2769876	33.51		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015598.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:29
Operator : YP\AJ
Sample : Q1664-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
Quant Time: Apr 02 01:16:28 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...	7.961	5263544	43.089 ug/ml
Spiked Amount 50.000		Recovery =	86.18%
6) S 2-Flurobiphenyl (SURR)	8.838	2769876	33.510 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	67.02%
11) S ortho-Terphenyl (SURR)	11.912	6142442	42.121 ug/ml
Spiked Amount 50.000		Recovery =	84.24%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

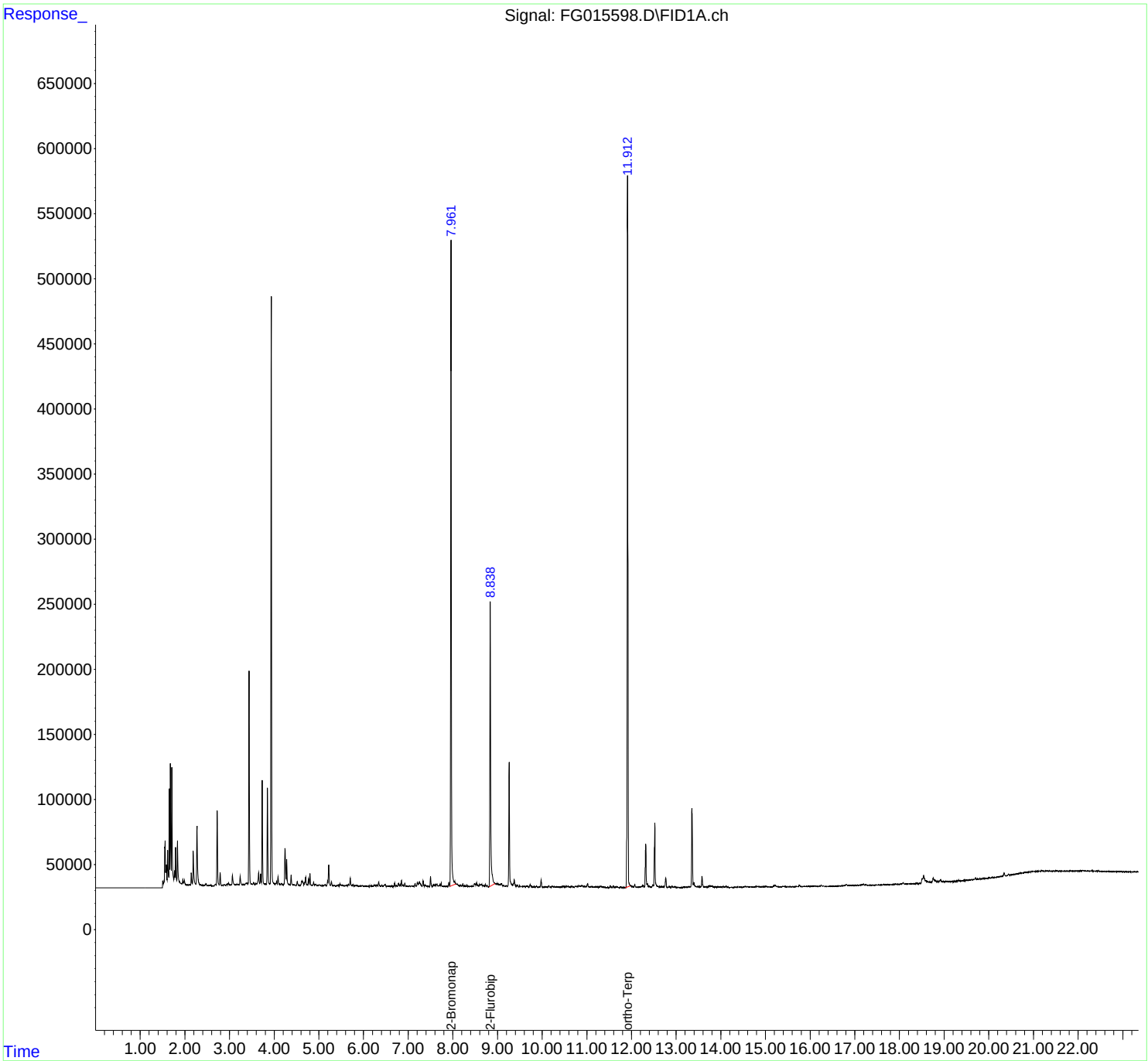
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015598.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:29
Operator : YP\AJ
Sample : Q1664-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

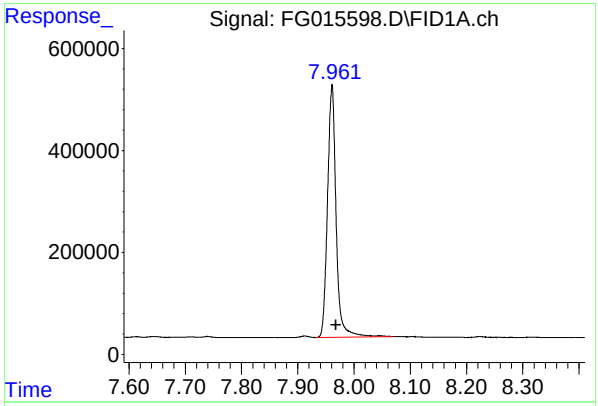
Integration File: autoint1.e
Quant Time: Apr 02 01:16:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025





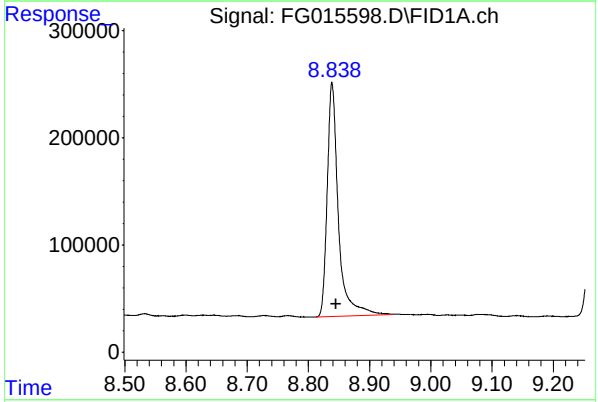
#4 2-Bromonaphthalene (SURR)

R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 5263544
Conc: 43.09 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

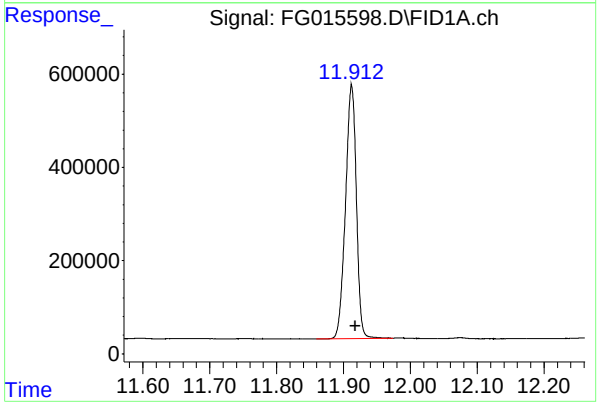
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 2769876
Conc: 33.51 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.006 min
Response: 6142442
Conc: 42.12 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04012
Data File : FG015598.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:29
Sample : Q1664-04
Misc :
ALS Vial : 26 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	4.380	4.360	4.446	PV	7770	81499	1.32%	0.349%
2	4.458	4.446	4.480	VV	442	5113	0.08%	0.022%
3	4.517	4.480	4.545	PV	3063	37007	0.60%	0.158%
4	4.552	4.545	4.577	VV	379	3717	0.06%	0.016%
5	4.617	4.577	4.634	PV	3434	53622	0.87%	0.229%
6	4.642	4.634	4.669	VV	2864	39156	0.63%	0.168%
7	4.705	4.669	4.731	VV	6537	100549	1.62%	0.430%
8	4.736	4.731	4.749	VV	659	6396	0.10%	0.027%
9	4.769	4.749	4.785	VV	5274	58034	0.94%	0.248%
10	4.802	4.785	4.857	VV	9273	103514	1.67%	0.443%
11	4.883	4.857	4.913	VV	2753	34734	0.56%	0.149%
12	4.932	4.913	4.954	VV	1256	17433	0.28%	0.075%
13	4.978	4.954	4.993	VV	411	6463	0.10%	0.028%
14	5.012	4.993	5.056	VV	802	10880	0.18%	0.047%
15	5.074	5.056	5.089	VV	188	1657	0.03%	0.007%
16	5.102	5.089	5.110	PV	141	1184	0.02%	0.005%
17	5.133	5.110	5.166	VV	949	14682	0.24%	0.063%
18	5.197	5.166	5.204	VV	3553	36529	0.59%	0.156%
19	5.222	5.204	5.262	VV	16142	207278	3.35%	0.887%
20	5.284	5.262	5.328	VV	3307	40121	0.65%	0.172%
21	5.342	5.328	5.392	VV	300	5411	0.09%	0.023%
22	5.397	5.392	5.414	VV	121	1596	0.03%	0.007%
23	5.430	5.414	5.449	VV	907	9627	0.16%	0.041%
24	5.474	5.449	5.522	VV	1446	29143	0.47%	0.125%
25	5.535	5.522	5.548	VV	454	5177	0.08%	0.022%
26	5.554	5.548	5.560	VV	292	1815	0.03%	0.008%
27	5.563	5.560	5.581	VV	221	2294	0.04%	0.010%
28	5.592	5.581	5.604	VV	303	3367	0.05%	0.014%
29	5.623	5.604	5.642	VV	542	7568	0.12%	0.032%
30	5.662	5.642	5.682	VV	1439	18704	0.30%	0.080%
31	5.705	5.682	5.729	VV	6105	71716	1.16%	0.307%
32	5.739	5.729	5.747	VV	628	5811	0.09%	0.025%
33	5.765	5.747	5.802	VV	1549	22897	0.37%	0.098%
34	5.806	5.802	5.811	VV	389	1854	0.03%	0.008%
35	5.836	5.811	5.846	VV	649	9904	0.16%	0.042%
36	5.854	5.846	5.907	VV	582	9067	0.15%	0.039%

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37	5.926	5.907	5.951	VV	490	6145	0.10%	0.026%
38	5.974	5.951	5.995	VV	769	10171		
39	6.012	5.995	6.020	VV	159	1887		
40	6.034	6.020	6.077	VV	361	6101		
41	6.099	6.092	6.119	VV	97	1165		
42	6.137	6.119	6.142	PV	509	2656		
43	6.166	6.142	6.179	VV	381	6457	0.10%	0.028%
44	6.181	6.179	6.207	VV	524	4973	0.08%	0.021%
45	6.247	6.207	6.271	VV	865	21313	0.34%	0.091%
46	6.296	6.271	6.318	VV	1332	21221	0.34%	0.091%
47	6.342	6.318	6.374	VV	3453	46906	0.76%	0.201%
48	6.379	6.374	6.386	VV	384	2596	0.04%	0.011%
49	6.409	6.386	6.437	VV	794	14697	0.24%	0.063%
50	6.480	6.437	6.512	VV	1563	34673	0.56%	0.148%
51	6.520	6.512	6.525	VV	284	1906	0.03%	0.008%
52	6.530	6.525	6.539	VV	250	2182	0.04%	0.009%
53	6.544	6.539	6.554	VV	330	2492	0.04%	0.011%
54	6.555	6.554	6.599	VV	376	5815	0.09%	0.025%
55	6.604	6.599	6.609	VV	267	1215	0.02%	0.005%
56	6.615	6.609	6.626	VV	259	1894	0.03%	0.008%
57	6.662	6.626	6.674	VV	365	6711	0.11%	0.029%
58	6.697	6.674	6.724	VV	2727	37903	0.61%	0.162%
59	6.739	6.724	6.760	VV	624	10549	0.17%	0.045%
60	6.783	6.760	6.805	VV	2565	33337	0.54%	0.143%
61	6.819	6.805	6.833	VV	1588	17649	0.28%	0.076%
62	6.851	6.833	6.872	VV	4673	53114	0.86%	0.227%
63	6.885	6.872	6.907	VV	1429	16769	0.27%	0.072%
64	6.926	6.907	6.946	VV	2634	29484	0.48%	0.126%
65	6.957	6.946	6.990	VV	523	9328	0.15%	0.040%
66	6.997	6.990	7.011	VV	265	3119	0.05%	0.013%
67	7.030	7.011	7.053	VV	582	9034	0.15%	0.039%
68	7.080	7.053	7.103	VV	657	12124	0.20%	0.052%
69	7.106	7.103	7.127	VV	349	2945	0.05%	0.013%
70	7.153	7.127	7.185	VV	2205	29056	0.47%	0.124%
71	7.208	7.185	7.225	VV	3413	49704	0.80%	0.213%
72	7.251	7.225	7.267	VV	3837	71090	1.15%	0.304%
73	7.273	7.267	7.304	VV	2552	32867	0.53%	0.141%
74	7.338	7.304	7.369	VV	4672	65727	1.06%	0.281%
75	7.385	7.369	7.404	VV	1246	15828	0.26%	0.068%
76	7.407	7.404	7.412	VV	312	1519	0.02%	0.006%
77	7.416	7.412	7.429	VV	366	3260	0.05%	0.014%
78	7.445	7.429	7.466	VV	842	10344	0.17%	0.044%
79	7.503	7.466	7.540	VV	7843	91436	1.48%	0.391%
80	7.566	7.540	7.597	VV	1392	31318	0.51%	0.134%
81	7.613	7.597	7.626	VV	1939	22238	0.36%	0.095%
82	7.645	7.626	7.667	VV	2223	35436	0.57%	0.152%
83	7.684	7.667	7.694	VV	940	12340	0.20%	0.053%
84	7.710	7.694	7.725	VV	1441	20732	0.33%	0.089%
85	7.740	7.725	7.767	VV	2456	26897	0.43%	0.115%
86	7.771	7.767	7.780	VV	246	1548	0.02%	0.007%
87	7.810	7.780	7.839	VV	569	12988	0.21%	0.056%
88	7.855	7.839	7.887	VV	426	9445	0.15%	0.040%
89	7.912	7.887	7.932	VV	3279	39440	0.64%	0.169%

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90	7.961	7.932	8.036	VV	495241	5307179	85.67%	22.707%
91	8.046	8.036	8.097	VV	4013	99528		
92	8.105	8.097	8.167	VV	2072	53538		
93	8.177	8.167	8.207	VV	1204	21184		
94	8.224	8.207	8.245	VV	2379	30370		
95	8.251	8.245	8.274	VV	791	11786		
96	8.280	8.274	8.295	VV	870	7451	0.12%	0.032%
97	8.317	8.295	8.343	VV	1122	20292	0.33%	0.087%
98	8.351	8.343	8.373	VV	528	7470	0.12%	0.032%
99	8.377	8.373	8.381	VV	348	1601	0.03%	0.007%
100	8.391	8.381	8.404	VV	416	4293	0.07%	0.018%
101	8.436	8.404	8.460	VV	735	16219	0.26%	0.069%
102	8.483	8.460	8.515	VV	2487	55423	0.89%	0.237%
103	8.532	8.515	8.556	VV	3232	50802	0.82%	0.217%
104	8.562	8.556	8.579	VV	1240	14487	0.23%	0.062%
105	8.599	8.579	8.612	VV	1899	28355	0.46%	0.121%
106	8.626	8.612	8.642	VV	1885	29314	0.47%	0.125%
107	8.646	8.642	8.667	VV	2074	20694	0.33%	0.089%
108	8.684	8.667	8.704	VV	1382	22348	0.36%	0.096%
109	8.727	8.704	8.750	VV	1536	24891	0.40%	0.106%
110	8.767	8.750	8.805	VV	1445	20530	0.33%	0.088%
111	8.839	8.805	8.957	VV	218436	2905552	46.90%	12.431%
112	8.962	8.957	8.977	VV	2698	30068	0.49%	0.129%
113	8.995	8.977	9.012	VV	2684	48866	0.79%	0.209%
114	9.027	9.012	9.039	VV	2260	31524	0.51%	0.135%
115	9.048	9.039	9.061	VV	2081	26018	0.42%	0.111%
116	9.081	9.061	9.123	VV	2685	70789	1.14%	0.303%
117	9.141	9.123	9.171	VV	1566	28543	0.46%	0.122%
118	9.190	9.171	9.219	VV	1226	24519	0.40%	0.105%
119	9.263	9.219	9.332	VV	95573	1099778	17.75%	4.705%
120	9.343	9.332	9.347	VV	1917	15755	0.25%	0.067%
121	9.377	9.347	9.412	VV	5741	112451	1.82%	0.481%
122	9.424	9.412	9.434	VV	1083	12771	0.21%	0.055%
123	9.450	9.434	9.476	VV	1738	28016	0.45%	0.120%
124	9.499	9.476	9.531	VV	1082	18999	0.31%	0.081%
125	9.554	9.531	9.560	VV	607	8025	0.13%	0.034%
126	9.585	9.560	9.625	VV	883	21405	0.35%	0.092%
127	9.646	9.625	9.657	VV	952	12491	0.20%	0.053%
128	9.664	9.657	9.688	VV	1056	13647	0.22%	0.058%
129	9.694	9.688	9.709	VV	380	3731	0.06%	0.016%
130	9.731	9.709	9.775	VV	2081	39637	0.64%	0.170%
131	9.779	9.775	9.787	VV	336	2468	0.04%	0.011%
132	9.803	9.787	9.821	VV	497	7822	0.13%	0.033%
133	9.826	9.821	9.846	VV	440	4780	0.08%	0.020%
134	9.871	9.851	9.907	VV	1045	15141	0.24%	0.065%
135	9.937	9.907	9.952	VV	517	8552	0.14%	0.037%
136	9.979	9.952	10.005	VV	5566	67533	1.09%	0.289%
137	10.009	10.005	10.019	VV	176	1327	0.02%	0.006%
138	10.024	10.019	10.031	VV	205	1004	0.02%	0.004%
139	10.066	10.050	10.086	VV	437	6563	0.11%	0.028%
140	10.091	10.086	10.106	VV	366	3217	0.05%	0.014%
141	10.115	10.106	10.119	VV	259	1920	0.03%	0.008%

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142	10.124	10.119	10.129	VV	283	1372	0.02%	0.006%
143	10.148	10.129	10.179	VV	1310	18981		
144	10.184	10.179	10.192	VV	231	1309		
145	10.223	10.192	10.241	VV	831	15538		
146	10.248	10.241	10.279	VV	726	12900		
147	10.295	10.279	10.306	VV	499	6439		
148	10.319	10.306	10.339	VV	522	7054	0.11%	0.030%
149	10.360	10.339	10.386	VV	468	7775	0.13%	0.033%
150	10.389	10.386	10.397	VV	303	1522	0.02%	0.007%
151	10.424	10.397	10.440	VV	504	8288	0.13%	0.035%
152	10.469	10.440	10.501	VV	942	21717	0.35%	0.093%
153	10.522	10.501	10.529	VV	639	8906	0.14%	0.038%
154	10.541	10.529	10.556	VV	990	12334	0.20%	0.053%
155	10.580	10.556	10.599	VV	972	17841	0.29%	0.076%
156	10.611	10.599	10.615	VV	635	5364	0.09%	0.023%
157	10.624	10.615	10.644	VV	709	10309	0.17%	0.044%
158	10.664	10.644	10.684	VV	1284	18931	0.31%	0.081%
159	10.698	10.684	10.721	VV	436	6883	0.11%	0.029%
160	10.749	10.721	10.764	VV	1016	17203	0.28%	0.074%
161	10.772	10.764	10.800	VV	973	16627	0.27%	0.071%
162	10.823	10.800	10.853	VV	1405	32868	0.53%	0.141%
163	10.888	10.853	10.926	VV	1579	48231	0.78%	0.206%
164	10.943	10.926	10.966	VV	1225	20370	0.33%	0.087%
165	10.972	10.966	10.988	VV	760	9310	0.15%	0.040%
166	11.018	10.988	11.044	VV	2951	51299	0.83%	0.219%
167	11.053	11.044	11.066	VV	593	7007	0.11%	0.030%
168	11.079	11.066	11.089	VV	710	8631	0.14%	0.037%
169	11.107	11.089	11.159	VV	986	23137	0.37%	0.099%
170	11.208	11.159	11.246	VV	851	29663	0.48%	0.127%
171	11.251	11.246	11.273	VV	604	7983	0.13%	0.034%
172	11.315	11.273	11.335	VV	1407	29301	0.47%	0.125%
173	11.344	11.335	11.367	VV	738	8549	0.14%	0.037%
174	11.382	11.367	11.414	VV	399	7534	0.12%	0.032%
175	11.426	11.414	11.442	VV	272	2141	0.03%	0.009%
176	11.462	11.442	11.489	VV	160	2809	0.05%	0.012%
177	11.525	11.489	11.554	PV	1583	21504	0.35%	0.092%
178	11.597	11.554	11.627	VV	1440	23499	0.38%	0.101%
179	11.646	11.627	11.654	VV	554	6338	0.10%	0.027%
180	11.658	11.654	11.662	VV	509	2249	0.04%	0.010%
181	11.671	11.662	11.682	VV	582	6613	0.11%	0.028%
182	11.687	11.682	11.732	VV	614	8024	0.13%	0.034%
183	11.753	11.732	11.773	VV	941	11035	0.18%	0.047%
184	11.792	11.773	11.805	VV	221	3132	0.05%	0.013%
185	11.813	11.805	11.818	VV	267	1316	0.02%	0.006%
186	11.822	11.818	11.861	VV	241	3077	0.05%	0.013%
187	11.912	11.861	11.973	PV	544565	6194952	100.00%	26.505%
188	11.985	11.973	12.045	VV	1899	49086	0.79%	0.210%
189	12.074	12.045	12.105	VV	2529	43767	0.71%	0.187%
190	12.122	12.105	12.132	VV	484	5462	0.09%	0.023%
191	12.157	12.132	12.184	VV	546	12876	0.21%	0.055%
192	12.192	12.184	12.209	VV	602	8264	0.13%	0.035%
193	12.258	12.209	12.291	VV	1919	51948	0.84%	0.222%
194	12.318	12.291	12.347	VV	33235	430193	6.94%	1.841%

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195	12.358	12.347	12.388	VV	3080	48148	0.78%	0.206%
196	12.400	12.388	12.411	VV	1066	12726		
197	12.415	12.411	12.446	VV	976	15228		
198	12.484	12.446	12.495	VV	2228	44088		
199	12.522	12.495	12.624	VV	49817	656329	10	
200	12.634	12.624	12.652	VV	962	13304		
201	12.679	12.652	12.718	VV	1048	31987	0.52%	0.137%
202	12.723	12.718	12.726	VV	790	3844	0.06%	0.016%
203	12.767	12.726	12.819	VV	7548	122940	1.98%	0.526%
204	12.841	12.819	12.885	VV	1204	22845	0.37%	0.098%
205	12.909	12.885	12.931	VV	1433	21062	0.34%	0.090%
206	12.934	12.931	12.939	VV	406	1840	0.03%	0.008%
207	12.942	12.939	12.945	VV	420	1420	0.02%	0.006%
208	12.970	12.945	13.019	VV	974	22891	0.37%	0.098%
209	13.023	13.019	13.043	VV	351	4057	0.07%	0.017%
210	13.050	13.043	13.093	VV	357	6137	0.10%	0.026%
211	13.108	13.106	13.132	VV	138	1645	0.03%	0.007%
212	13.184	13.132	13.191	VV	646	12912	0.21%	0.055%
213	13.196	13.191	13.219	VV	593	7421	0.12%	0.032%
214	13.233	13.219	13.251	VV	517	7021	0.11%	0.030%
215	13.280	13.251	13.322	VV	974	28349	0.46%	0.121%
216	13.354	13.322	13.383	VV	61128	763028	12.32%	3.265%
217	13.397	13.383	13.465	VV	3938	86861	1.40%	0.372%
218	13.477	13.465	13.501	VV	946	17759	0.29%	0.076%
219	13.516	13.501	13.538	VV	864	17691	0.29%	0.076%
220	13.542	13.538	13.551	VV	749	5439	0.09%	0.023%
221	13.578	13.551	13.624	VV	8631	129607	2.09%	0.555%
222	13.641	13.624	13.696	VV	715	23683	0.38%	0.101%
223	13.730	13.696	13.738	VV	1106	18244	0.29%	0.078%
224	13.754	13.738	13.771	VV	1678	24946	0.40%	0.107%
225	13.789	13.771	13.806	VV	1151	22231	0.36%	0.095%
226	13.812	13.806	13.840	VV	1267	14863	0.24%	0.064%
227	13.855	13.840	13.859	VV	553	4496	0.07%	0.019%
228	13.863	13.859	13.892	VV	667	8174	0.13%	0.035%
229	13.907	13.892	13.921	VV	542	7589	0.12%	0.032%
230	13.926	13.921	13.944	VV	520	5925	0.10%	0.025%
231	13.948	13.944	13.951	VV	481	1843	0.03%	0.008%
232	13.976	13.951	14.002	VV	686	16011	0.26%	0.069%
233	14.006	14.002	14.010	VV	410	1492	0.02%	0.006%
234	14.022	14.010	14.037	VV	482	6632	0.11%	0.028%
235	14.055	14.037	14.087	VV	941	16327	0.26%	0.070%
236	14.110	14.087	14.149	VV	1017	18026	0.29%	0.077%
237	14.155	14.149	14.184	PV	287	3431	0.06%	0.015%
238	14.194	14.184	14.200	VV	197	1147	0.02%	0.005%
239	14.206	14.200	14.215	VV	242	1471	0.02%	0.006%
240	14.223	14.215	14.251	VV	182	2432	0.04%	0.010%
241	14.329	14.314	14.340	VV	228	2193	0.04%	0.009%
242	14.345	14.340	14.354	VV	256	1421	0.02%	0.006%
243	14.357	14.354	14.370	VV	212	1447	0.02%	0.006%
244	14.378	14.370	14.384	VV	326	1787	0.03%	0.008%
245	14.390	14.384	14.393	VV	306	1594	0.03%	0.007%
246	14.396	14.393	14.426	VV	312	4680	0.08%	0.020%

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247	14.447	14.426	14.461	VV	306	4491	0.07%	0.019%
248	14.473	14.461	14.489	VV	249	2960		
249	14.551	14.489	14.590	VV	919	28460		
250	14.605	14.590	14.622	VV	474	7351		
251	14.636	14.622	14.642	VV	406	3950		
252	14.645	14.642	14.661	VV	395	3322		
253	14.671	14.661	14.677	VV	402	3465	0.06%	0.015%
254	14.680	14.677	14.712	VV	405	5627	0.09%	0.024%
255	14.734	14.712	14.751	VV	340	5876	0.09%	0.025%
256	14.782	14.751	14.810	VV	489	14562	0.24%	0.062%
257	14.822	14.810	14.834	VV	624	7210	0.12%	0.031%
258	14.838	14.834	14.851	VV	540	4429	0.07%	0.019%
259	14.856	14.851	14.869	VV	390	4225	0.07%	0.018%
260	14.873	14.869	14.879	VV	432	2484	0.04%	0.011%
261	14.882	14.879	14.904	VV	412	4951	0.08%	0.021%
262	14.934	14.904	14.966	VV	498	12029	0.19%	0.051%
263	14.992	14.966	15.009	VV	700	13306	0.21%	0.057%
264	15.024	15.009	15.044	VV	638	9955	0.16%	0.043%
265	15.046	15.044	15.052	VV	412	1590	0.03%	0.007%
266	15.062	15.052	15.107	VV	378	7343	0.12%	0.031%
267	15.129	15.107	15.134	VV	150	1625	0.03%	0.007%
268	15.141	15.134	15.146	VV	229	1279	0.02%	0.005%
269	15.201	15.146	15.206	VV	1275	23940	0.39%	0.102%
270	15.219	15.206	15.314	VV	1442	34021	0.55%	0.146%
271	15.388	15.356	15.406	VV	753	11237	0.18%	0.048%
272	15.416	15.406	15.444	VV	452	6600	0.11%	0.028%
273	15.451	15.444	15.457	VV	259	1020	0.02%	0.004%
274	15.489	15.482	15.509	VV	197	1501	0.02%	0.006%
275	15.529	15.522	15.545	VV	213	1741	0.03%	0.007%
276	15.575	15.569	15.589	VV	147	1007	0.02%	0.004%
277	15.626	15.609	15.643	VV	174	2297	0.04%	0.010%
278	15.647	15.643	15.674	VV	155	2189	0.04%	0.009%
279	15.699	15.683	15.721	VV	303	4763	0.08%	0.020%
280	15.762	15.721	15.823	VV	1298	29184	0.47%	0.125%
281	15.827	15.823	15.840	VV	213	1312	0.02%	0.006%
282	15.896	15.852	15.901	VV	334	7504	0.12%	0.032%
283	15.904	15.901	15.914	VV	364	2093	0.03%	0.009%
284	15.918	15.914	15.923	VV	344	1455	0.02%	0.006%
285	15.954	15.923	15.987	VV	401	11551	0.19%	0.049%
286	15.992	15.987	16.010	VV	221	2149	0.03%	0.009%
287	16.016	16.010	16.020	VV	230	1090	0.02%	0.005%
288	16.027	16.020	16.034	VV	315	2079	0.03%	0.009%
289	16.061	16.034	16.066	VV	438	6934	0.11%	0.030%
290	16.069	16.066	16.073	VV	451	1497	0.02%	0.006%
291	16.088	16.073	16.156	VV	519	17479	0.28%	0.075%
292	16.159	16.156	16.182	VV	370	2679	0.04%	0.011%
293	16.205	16.182	16.222	VV	456	6487	0.10%	0.028%
294	16.244	16.222	16.263	VV	1006	14789	0.24%	0.063%
295	16.269	16.263	16.274	VV	379	2147	0.03%	0.009%
296	16.292	16.274	16.317	VV	515	9403	0.15%	0.040%
297	16.322	16.317	16.329	VV	183	1036	0.02%	0.004%
298	16.334	16.329	16.363	VV	158	2010	0.03%	0.009%
299	16.440	16.406	16.472	VV	198	4293	0.07%	0.018%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

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300	16.477	16.472	16.499	VV	117	1376	0.02%	0.006%
301	16.525	16.521	16.547	PV	130	1177		
302	16.625	16.594	16.654	VV	203	4385		
303	16.664	16.654	16.678	VV	169	1884		
304	16.684	16.678	16.695	VV	194	1504		
305	16.729	16.695	16.750	VV	403	8190		
306	16.773	16.750	16.784	VV	456	7265	0.12%	0.031%
307	16.809	16.784	16.849	VV	1343	28734	0.46%	0.123%
308	16.854	16.849	16.860	VV	397	2352	0.04%	0.010%
309	16.906	16.860	16.921	VV	444	12919	0.21%	0.055%
310	16.938	16.921	16.943	VV	460	5473	0.09%	0.023%
311	16.946	16.943	16.981	VV	422	8071	0.13%	0.035%
312	16.985	16.981	16.996	VV	324	2452	0.04%	0.010%
313	17.024	16.996	17.054	VV	376	9502	0.15%	0.041%
314	17.084	17.054	17.107	VV	502	11433	0.18%	0.049%
315	17.117	17.107	17.132	VV	532	5801	0.09%	0.025%
316	17.136	17.132	17.141	VV	349	1623	0.03%	0.007%
317	17.192	17.141	17.222	VV	1092	33176	0.54%	0.142%
318	17.238	17.222	17.274	VV	545	12196	0.20%	0.052%
319	17.301	17.274	17.329	VV	282	7009	0.11%	0.030%
320	17.335	17.329	17.355	VV	164	2063	0.03%	0.009%
321	17.494	17.428	17.508	PV	168	2576	0.04%	0.011%
322	17.549	17.508	17.566	VV	166	2860	0.05%	0.012%
323	17.648	17.581	17.672	PV	562	11527	0.19%	0.049%
324	17.747	17.672	17.773	VV	289	10118	0.16%	0.043%
325	17.781	17.773	17.793	VV	175	1342	0.02%	0.006%
326	17.857	17.816	17.866	VV	279	4467	0.07%	0.019%
327	17.934	17.866	17.942	VV	273	9550	0.15%	0.041%
328	18.083	17.942	18.117	VV	1260	36708	0.59%	0.157%
329	18.229	18.117	18.296	VV	259	17197	0.28%	0.074%
330	18.358	18.296	18.382	VV	252	6539	0.11%	0.028%
331	18.410	18.382	18.429	VV	252	3132	0.05%	0.013%
332	18.507	18.429	18.519	PV	3911	59745	0.96%	0.256%
333	18.541	18.519	18.664	VV	5661	201459	3.25%	0.862%
334	18.670	18.664	18.704	VV	575	11323	0.18%	0.048%
335	18.756	18.704	18.864	VV	3025	112895	1.82%	0.483%
336	18.919	18.864	19.001	VBA	1370	28565	0.46%	0.122%

Sum of corrected areas: 23372617

Aromatic EPH 031725.M Wed Apr 02 02:28:44 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 19:55	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.54	J	1	0.15	1.09	mg/kg	FF015750.D
Aliphatic C12-C16	Aliphatic C12-C16	2.80		1	0.12	0.72	mg/kg	FF015750.D
Aliphatic C16-C21	Aliphatic C16-C21	1.23		1	0.14	1.09	mg/kg	FF015750.D
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	1	0.58	1.45	mg/kg	FF015750.D
Aliphatic C28-C40	Aliphatic C28-C40	2.71		1	1.28	2.17	mg/kg	FF015750.D
Aromatic C10-C12	Aromatic C10-C12	0.60	J	1	0.13	0.72	mg/kg	FG015580.D
Aromatic C12-C16	Aromatic C12-C16	0.89	J	1	0.25	1.09	mg/kg	FG015580.D
Aromatic C16-C21	Aromatic C16-C21	4.63		1	0.43	1.81	mg/kg	FG015580.D
Aromatic C21-C36	Aromatic C21-C36	1.39	J	1	1.29	2.90	mg/kg	FG015580.D
Total AliphaticEPH	Total AliphaticEPH	8.39			2.27	6.52	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.51			2.10	6.52	mg/kg	
Total EPH	Total EPH	15.9			4.37	13.0	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

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015750.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.54	J	0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		2.80		0.12	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		1.23		0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.11	J	0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.71		1.28	2.17	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-07	Acq On:	28 Mar 2025 19:55
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP\AJ
Data file:	FF015750.D	Misc:	
Instrument:	FID_F	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	954005	7.426	300	ug/ml
Aliphatic C12-C16	6.834	10.268	5088258	38.66	200	ug/ml
Aliphatic C16-C21	10.269	13.634	2290918	16.923	300	ug/ml
Aliphatic C21-C28	13.635	17.200	2026782	15.322	400	ug/ml
Aliphatic C28-C40	17.201	22.202	4052122	37.469	600	ug/ml
Aliphatic EPH	3.211	22.202	14412085	115.8		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	3868576	34.09		ug/ml
Aliphatic C9-C28	3.211	17.200	10359963	78.331	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015750.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 19:55
Operator : YP\AJ
Sample : Q1664-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-02

Integration File: autoint1.e
Quant Time: Mar 29 01:03:43 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	3868576	34.087 ug/ml
Spiked Amount 50.000		Recovery = 68.17%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

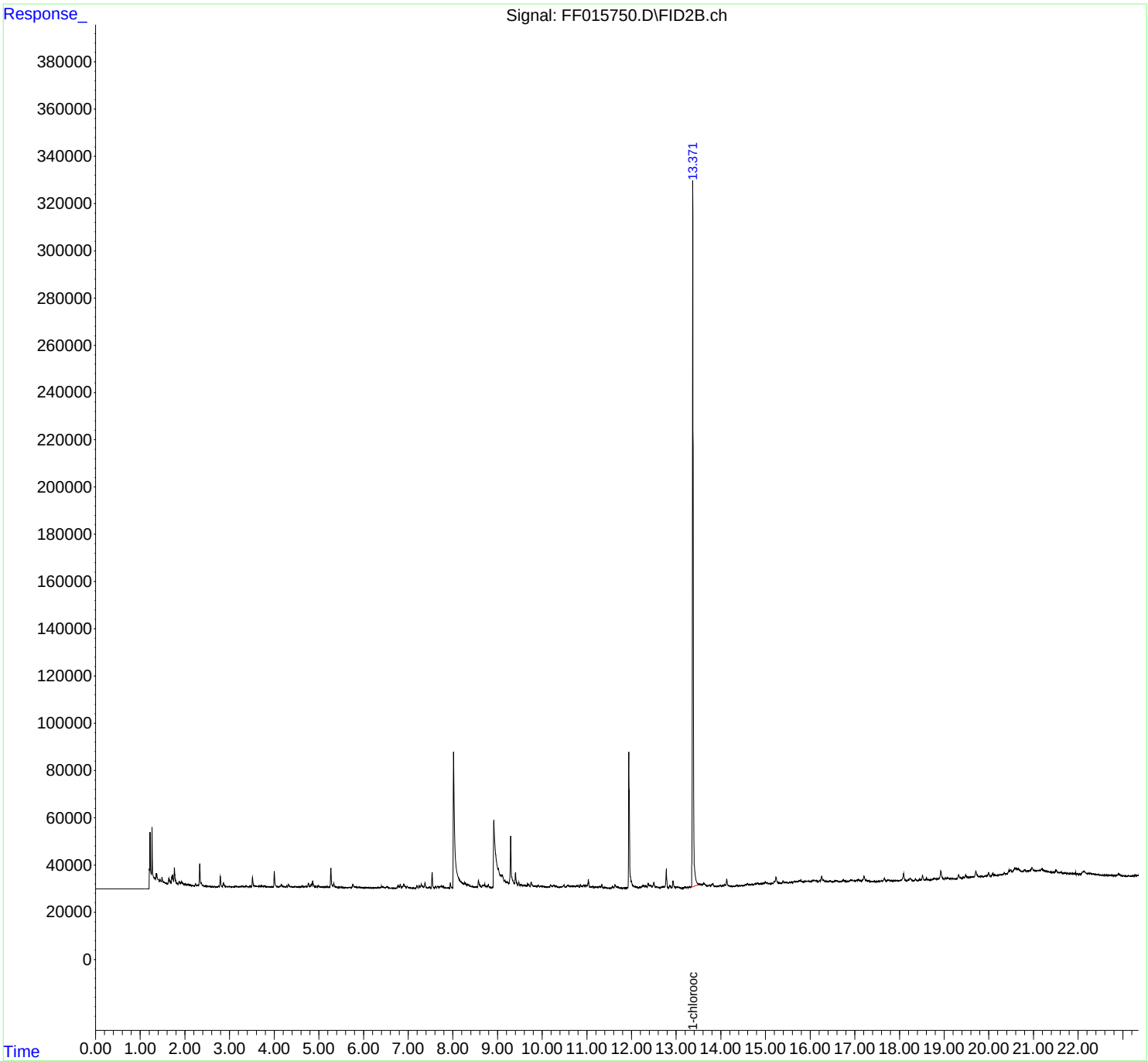
Quantitation Report (QT Reviewed)

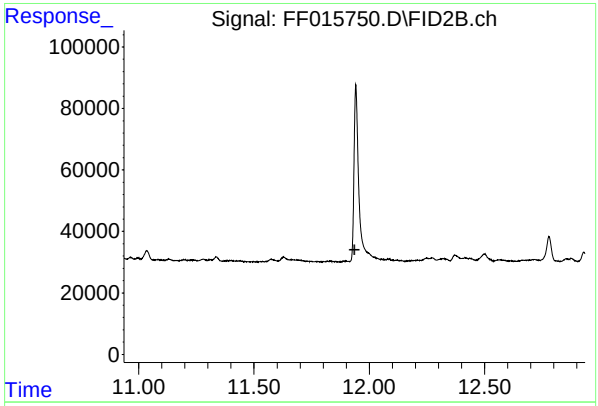
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015750.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 19:55
Operator : YP\AJ
Sample : Q1664-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-02

Integration File: autoint1.e
Quant Time: Mar 29 01:03:43 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

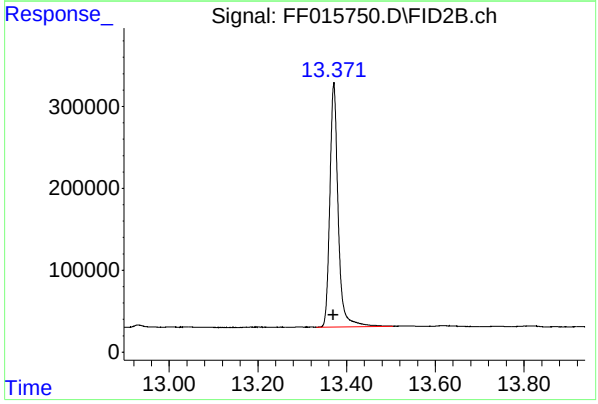




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-02



#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: 0.000 min
Response: 3868576
Conc: 34.09 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015750.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 19:55
Sample : Q1664-07
Misc :
ALS Vial : 28 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	2.954	2.935	2.987	PV	70	975	0.02%	0.005%
2	3.002	2.987	3.035	PV	103	1424	0.04%	0.008%
3	3.044	3.035	3.067	PV	43	474	0.01%	0.003%
4	3.103	3.067	3.125	PV	141	3325	0.08%	0.018%
5	3.156	3.125	3.208	VV	167	5935	0.15%	0.032%
6	3.254	3.208	3.268	VV	244	6216	0.16%	0.034%
7	3.276	3.268	3.333	VV	219	7093	0.18%	0.038%
8	3.365	3.333	3.438	VV	422	13755	0.35%	0.074%
9	3.467	3.438	3.481	VV	248	5763	0.15%	0.031%
10	3.514	3.481	3.621	VV	4138	78022	1.97%	0.422%
11	3.632	3.621	3.645	VV	347	4722	0.12%	0.026%
12	3.671	3.645	3.697	VV	662	13847	0.35%	0.075%
13	3.714	3.697	3.748	VV	575	12174	0.31%	0.066%
14	3.770	3.748	3.846	VV	446	16689	0.42%	0.090%
15	3.857	3.846	3.894	VV	278	5620	0.14%	0.030%
16	3.911	3.894	3.981	VV	196	7547	0.19%	0.041%
17	4.003	3.981	4.091	VV	6776	92407	2.33%	0.500%
18	4.127	4.091	4.137	VV	481	8697	0.22%	0.047%
19	4.159	4.137	4.224	VV	1171	29716	0.75%	0.161%
20	4.236	4.224	4.260	VV	309	6114	0.15%	0.033%
21	4.282	4.260	4.296	VV	485	7763	0.20%	0.042%
22	4.319	4.296	4.370	VV	1366	26645	0.67%	0.144%
23	4.384	4.370	4.409	VV	337	6600	0.17%	0.036%
24	4.422	4.409	4.433	VV	247	3254	0.08%	0.018%
25	4.468	4.433	4.496	VV	330	10308	0.26%	0.056%
26	4.516	4.496	4.535	VV	273	5684	0.14%	0.031%
27	4.622	4.535	4.672	VV	428	24465	0.62%	0.132%
28	4.708	4.672	4.737	VV	519	14750	0.37%	0.080%
29	4.767	4.737	4.811	VV	1910	37771	0.95%	0.204%
30	4.828	4.811	4.845	VV	1573	21750	0.55%	0.118%
31	4.861	4.845	4.963	VV	2725	63468	1.60%	0.343%
32	4.987	4.963	5.094	VV	676	28378	0.72%	0.154%
33	5.106	5.094	5.158	VV	274	7523	0.19%	0.041%
34	5.185	5.158	5.217	VV	564	10816	0.27%	0.059%
35	5.230	5.217	5.241	VV	346	3884	0.10%	0.021%
36	5.270	5.241	5.318	VV	8329	116431	2.94%	0.630%

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37	5.335	5.318	5.405	VV	1849	36600	0.92%	0.198%
38	5.414	5.405	5.435	VV	255	3852	0.10%	0.021%
39	5.453	5.435	5.471	VV	220	4344	0.11%	0.024%
40	5.491	5.471	5.570	VV	342	12340	0.31%	0.067%
41	5.586	5.570	5.645	VV	168	5171	0.13%	0.028%
42	5.675	5.645	5.725	VV	251	6287	0.16%	0.034%
43	5.761	5.725	5.803	VV	1530	31062	0.78%	0.168%
44	5.822	5.803	5.867	VV	524	12947	0.33%	0.070%
45	5.900	5.867	5.915	VV	346	7423	0.19%	0.040%
46	5.923	5.915	5.981	VV	284	7607	0.19%	0.041%
47	5.989	5.981	6.017	VV	149	2939	0.07%	0.016%
48	6.031	6.017	6.076	VV	240	5694	0.14%	0.031%
49	6.091	6.076	6.224	VV	181	7217	0.18%	0.039%
50	6.263	6.224	6.291	VV	174	4278	0.11%	0.023%
51	6.334	6.291	6.351	VV	255	6617	0.17%	0.036%
52	6.370	6.351	6.391	VV	335	7039	0.18%	0.038%
53	6.406	6.391	6.481	VV	632	19704	0.50%	0.107%
54	6.525	6.481	6.618	VV	678	22296	0.56%	0.121%
55	6.624	6.618	6.674	VV	126	1705	0.04%	0.009%
56	6.685	6.674	6.721	VV	65	1473	0.04%	0.008%
57	6.778	6.721	6.803	PV	1057	23662	0.60%	0.128%
58	6.822	6.803	6.851	VV	1691	25876	0.65%	0.140%
59	6.870	6.851	6.880	VV	674	9153	0.23%	0.050%
60	6.900	6.880	6.955	VV	1653	39507	1.00%	0.214%
61	6.976	6.955	7.045	VV	881	19980	0.50%	0.108%
62	7.055	7.045	7.063	VV	139	1272	0.03%	0.007%
63	7.069	7.063	7.093	VV	120	1713	0.04%	0.009%
64	7.118	7.093	7.167	VV	236	4481	0.11%	0.024%
65	7.196	7.167	7.225	VV	1256	18476	0.47%	0.100%
66	7.246	7.225	7.264	VV	1053	15626	0.39%	0.085%
67	7.297	7.264	7.321	VV	1723	34749	0.88%	0.188%
68	7.329	7.321	7.351	VV	796	11445	0.29%	0.062%
69	7.378	7.351	7.447	VV	2339	43512	1.10%	0.235%
70	7.479	7.447	7.510	VV	643	13074	0.33%	0.071%
71	7.538	7.510	7.588	VV	6636	82549	2.08%	0.447%
72	7.615	7.588	7.637	VV	905	15918	0.40%	0.086%
73	7.663	7.637	7.690	VV	907	19529	0.49%	0.106%
74	7.745	7.690	7.768	VV	1084	32055	0.81%	0.173%
75	7.781	7.768	7.877	VV	1000	21801	0.55%	0.118%
76	7.891	7.877	7.920	VV	206	2754	0.07%	0.015%
77	7.946	7.920	7.992	VV	2299	32257	0.81%	0.175%
78	8.018	7.992	8.250	VV	57217	1503477	37.93%	8.135%
79	8.269	8.250	8.316	VV	2342	72411	1.83%	0.392%
80	8.326	8.316	8.345	VV	1476	23847	0.60%	0.129%
81	8.354	8.345	8.416	VV	1401	45172	1.14%	0.244%
82	8.437	8.416	8.488	VV	827	27613	0.70%	0.149%
83	8.513	8.488	8.539	VV	710	18843	0.48%	0.102%
84	8.576	8.539	8.645	VV	3409	86557	2.18%	0.468%
85	8.682	8.645	8.696	VV	1368	34248	0.86%	0.185%
86	8.717	8.696	8.741	VV	1786	35116	0.89%	0.190%
87	8.760	8.741	8.777	VV	1152	18543	0.47%	0.100%
88	8.795	8.777	8.878	VV	1601	36875	0.93%	0.200%
89	8.920	8.878	9.093	VV	29018	1303633	32.89%	7.054%

90	9.109	9.093	9.155	VV	5724	165966	4.19%	0.898%
91	9.167	9.155	9.200	VV	3507	80531	2.03%	0.436%
92	9.219	9.200	9.249	VV	2949	74020	1.87%	0.401%
93	9.297	9.249	9.377	VV	22135	442997	11.18%	2.397%
94	9.403	9.377	9.457	VV	6618	154313	3.89%	0.835%
95	9.479	9.457	9.505	VV	2430	49960	1.26%	0.270%
96	9.528	9.505	9.556	VV	1793	43316	1.09%	0.234%
97	9.574	9.556	9.591	VV	1244	24709	0.62%	0.134%
98	9.607	9.591	9.653	VV	1377	43292	1.09%	0.234%
99	9.682	9.653	9.729	VV	1708	60369	1.52%	0.327%
100	9.754	9.729	9.811	VV	2588	70873	1.79%	0.383%
101	9.831	9.811	9.849	VV	999	20807	0.52%	0.113%
102	9.861	9.849	9.885	VV	959	19032	0.48%	0.103%
103	9.913	9.885	9.945	VV	1280	34518	0.87%	0.187%
104	9.968	9.945	9.998	VV	1075	28292	0.71%	0.153%
105	10.012	9.998	10.059	VV	910	28330	0.71%	0.153%
106	10.068	10.059	10.076	VV	600	5921	0.15%	0.032%
107	10.087	10.076	10.110	VV	584	11113	0.28%	0.060%
108	10.135	10.110	10.158	VV	699	18008	0.45%	0.097%
109	10.191	10.158	10.227	VV	1532	40792	1.03%	0.221%
110	10.255	10.227	10.301	VV	1196	44913	1.13%	0.243%
111	10.316	10.301	10.340	VV	1006	18600	0.47%	0.101%
112	10.353	10.340	10.375	VV	717	12463	0.31%	0.067%
113	10.393	10.375	10.411	VV	560	10667	0.27%	0.058%
114	10.452	10.411	10.464	VV	871	20771	0.52%	0.112%
115	10.487	10.464	10.513	VV	1431	28118	0.71%	0.152%
116	10.569	10.513	10.588	VV	1368	39714	1.00%	0.215%
117	10.600	10.588	10.625	VV	1236	21127	0.53%	0.114%
118	10.644	10.625	10.675	VV	992	27131	0.68%	0.147%
119	10.691	10.675	10.711	VV	906	17937	0.45%	0.097%
120	10.725	10.711	10.748	VV	946	18512	0.47%	0.100%
121	10.771	10.748	10.787	VV	1268	23204	0.59%	0.126%
122	10.804	10.787	10.828	VV	1157	22366	0.56%	0.121%
123	10.853	10.828	10.874	VV	1499	29863	0.75%	0.162%
124	10.887	10.874	10.902	VV	1044	14689	0.37%	0.079%
125	10.930	10.902	10.948	VV	1396	29753	0.75%	0.161%
126	10.965	10.948	10.985	VV	1487	25682	0.65%	0.139%
127	10.996	10.985	11.009	VV	1273	16586	0.42%	0.090%
128	11.035	11.009	11.063	VV	3676	64630	1.63%	0.350%
129	11.082	11.063	11.111	VV	744	18931	0.48%	0.102%
130	11.131	11.111	11.156	VV	949	17861	0.45%	0.097%
131	11.197	11.156	11.215	VV	691	19041	0.48%	0.103%
132	11.224	11.215	11.258	VV	560	13801	0.35%	0.075%
133	11.279	11.258	11.295	VV	912	14741	0.37%	0.080%
134	11.309	11.295	11.317	VV	736	8586	0.22%	0.046%
135	11.337	11.317	11.364	VV	1632	25183	0.64%	0.136%
136	11.397	11.364	11.420	VV	489	12320	0.31%	0.067%
137	11.434	11.420	11.511	VV	342	8086	0.20%	0.044%
138	11.528	11.511	11.547	VV	148	1862	0.05%	0.010%
139	11.575	11.547	11.604	VV	861	16437	0.41%	0.089%
140	11.628	11.604	11.653	VV	1574	28655	0.72%	0.155%
141	11.665	11.653	11.759	VV	737	28087	0.71%	0.152%

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142	11.773	11.759	11.789	VV	152	1933	0.05%	0.010%
143	11.828	11.789	11.873	PV	256	6522	0.16%	0.035%
144	11.897	11.873	11.915	VV	248	4172	0.11%	0.023%
145	11.942	11.915	12.061	VV	57461	867970	21.90%	4.697%
146	12.082	12.061	12.109	VV	979	21301	0.54%	0.115%
147	12.118	12.109	12.153	VV	526	11355	0.29%	0.061%
148	12.249	12.153	12.260	VV	1290	38143	0.96%	0.206%
149	12.272	12.260	12.292	VV	1335	20586	0.52%	0.111%
150	12.320	12.292	12.351	VV	1013	29009	0.73%	0.157%
151	12.372	12.351	12.401	VV	2177	44287	1.12%	0.240%
152	12.416	12.401	12.429	VV	1349	20547	0.52%	0.111%
153	12.437	12.429	12.462	VV	1142	17698	0.45%	0.096%
154	12.499	12.462	12.541	VV	2604	62289	1.57%	0.337%
155	12.564	12.541	12.633	VV	690	24722	0.62%	0.134%
156	12.684	12.633	12.694	VV	585	15530	0.39%	0.084%
157	12.714	12.694	12.738	VV	783	17093	0.43%	0.092%
158	12.779	12.738	12.828	VV	8199	130748	3.30%	0.707%
159	12.854	12.828	12.864	VV	1090	13830	0.35%	0.075%
160	12.876	12.864	12.904	VV	1127	16258	0.41%	0.088%
161	12.930	12.904	12.986	VV	3110	55755	1.41%	0.302%
162	13.004	12.986	13.021	VV	625	10602	0.27%	0.057%
163	13.040	13.021	13.132	VV	643	20137	0.51%	0.109%
164	13.146	13.132	13.154	PV	54	307	0.01%	0.002%
165	13.202	13.154	13.229	VV	463	13491	0.34%	0.073%
166	13.251	13.229	13.267	VV	394	6333	0.16%	0.034%
167	13.293	13.267	13.335	VV	507	14158	0.36%	0.077%
168	13.371	13.335	13.515	VV	298161	3964175	100.00%	21.450%
169	13.540	13.515	13.571	VV	1569	47722	1.20%	0.258%
170	13.618	13.571	13.709	VV	2082	103016	2.60%	0.557%
171	13.744	13.709	13.769	VV	1100	31265	0.79%	0.169%
172	13.823	13.769	13.851	VV	1431	47936	1.21%	0.259%
173	13.871	13.851	13.908	VV	485	12989	0.33%	0.070%
174	13.925	13.908	13.946	VV	581	9946	0.25%	0.054%
175	13.977	13.946	14.012	VV	821	22935	0.58%	0.124%
176	14.031	14.012	14.043	VV	577	9247	0.23%	0.050%
177	14.059	14.043	14.067	VV	647	8266	0.21%	0.045%
178	14.085	14.067	14.105	VV	1083	18659	0.47%	0.101%
179	14.131	14.105	14.175	VV	3239	58456	1.47%	0.316%
180	14.182	14.175	14.245	VV	472	12162	0.31%	0.066%
181	14.269	14.245	14.320	VV	235	5312	0.13%	0.029%
182	14.362	14.320	14.385	VV	515	13099	0.33%	0.071%
183	14.425	14.385	14.443	VV	396	11490	0.29%	0.062%
184	14.460	14.443	14.484	VV	423	8405	0.21%	0.045%
185	14.589	14.484	14.641	VV	944	55253	1.39%	0.299%
186	14.648	14.641	14.677	VV	676	13764	0.35%	0.074%
187	14.696	14.677	14.725	VV	887	20686	0.52%	0.112%
188	14.782	14.725	14.795	VV	951	32433	0.82%	0.175%
189	14.821	14.795	14.883	VV	1217	53616	1.35%	0.290%
190	14.897	14.883	14.917	VV	1003	18717	0.47%	0.101%
191	14.939	14.917	14.961	VV	1138	26150	0.66%	0.141%
192	14.995	14.961	15.020	VV	1455	44077	1.11%	0.239%
193	15.037	15.020	15.073	VV	1325	33771	0.85%	0.183%
194	15.091	15.073	15.111	VV	936	19318	0.49%	0.105%

195	15.124	15.111	15.133	VV	800	10465	0.26%	0.057%
196	15.150	15.133	15.170	VV	935	18980	0.48%	0.103%
197	15.196	15.170	15.210	VV	1815	33374	0.84%	0.181%
198	15.234	15.210	15.359	VV	3489	133183	3.36%	0.721%
199	15.392	15.359	15.412	VV	1917	40561	1.02%	0.219%
200	15.423	15.412	15.463	VV	1123	32934	0.83%	0.178%
201	15.476	15.463	15.520	VV	1039	32595	0.82%	0.176%
202	15.587	15.520	15.607	VV	1055	51342	1.30%	0.278%
203	15.656	15.607	15.685	VV	1458	60954	1.54%	0.330%
204	15.710	15.685	15.735	VV	1431	39664	1.00%	0.215%
205	15.788	15.735	15.845	VV	1760	97253	2.45%	0.526%
206	15.851	15.845	15.860	VV	1220	10527	0.27%	0.057%
207	15.886	15.860	15.915	VV	1378	42113	1.06%	0.228%
208	15.935	15.915	16.001	VV	1404	68054	1.72%	0.368%
209	16.061	16.001	16.082	VV	1666	68320	1.72%	0.370%
210	16.100	16.082	16.127	VV	1636	41175	1.04%	0.223%
211	16.138	16.127	16.199	VV	1427	52558	1.33%	0.284%
212	16.257	16.199	16.328	VV	3284	137164	3.46%	0.742%
213	16.347	16.328	16.369	VV	1147	26385	0.67%	0.143%
214	16.388	16.369	16.408	VV	1140	24310	0.61%	0.132%
215	16.443	16.408	16.515	VV	1164	60726	1.53%	0.329%
216	16.587	16.515	16.684	VV	1114	88729	2.24%	0.480%
217	16.739	16.684	16.834	VV	1438	84028	2.12%	0.455%
218	16.937	16.834	16.999	VV	1296	96528	2.43%	0.522%
219	17.052	16.999	17.062	VV	1131	36820	0.93%	0.199%
220	17.081	17.062	17.111	VV	1192	31102	0.78%	0.168%
221	17.122	17.111	17.149	VV	992	18986	0.48%	0.103%
222	17.205	17.149	17.241	VV	2763	80669	2.03%	0.437%
223	17.254	17.241	17.295	VV	1196	27741	0.70%	0.150%
224	17.302	17.295	17.354	VV	691	18383	0.46%	0.099%
225	17.364	17.354	17.411	VV	509	13899	0.35%	0.075%
226	17.450	17.411	17.490	VV	455	15678	0.40%	0.085%
227	17.526	17.490	17.570	VV	415	15958	0.40%	0.086%
228	17.599	17.570	17.607	VV	441	8386	0.21%	0.045%
229	17.622	17.607	17.632	VV	495	6702	0.17%	0.036%
230	17.659	17.632	17.715	VV	1548	38852	0.98%	0.210%
231	17.744	17.715	17.761	VV	754	17620	0.44%	0.095%
232	17.768	17.761	17.821	VV	678	18491	0.47%	0.100%
233	17.825	17.821	17.845	VV	470	5540	0.14%	0.030%
234	17.855	17.845	17.881	VV	391	7106	0.18%	0.038%
235	17.940	17.881	17.969	VV	471	19745	0.50%	0.107%
236	17.994	17.969	18.018	VV	464	11133	0.28%	0.060%
237	18.091	18.018	18.173	VV	3283	91495	2.31%	0.495%
238	18.237	18.173	18.309	VV	1295	48355	1.22%	0.262%
239	18.318	18.309	18.326	VV	139	1108	0.03%	0.006%
240	18.359	18.326	18.405	VV	739	16317	0.41%	0.088%
241	18.453	18.405	18.484	VV	598	15064	0.38%	0.082%
242	18.516	18.484	18.565	VV	2268	45246	1.14%	0.245%
243	18.604	18.565	18.621	VV	865	19085	0.48%	0.103%
244	18.643	18.621	18.698	VV	542	15838	0.40%	0.086%
245	18.793	18.698	18.829	VV	761	40117	1.01%	0.217%
246	18.926	18.829	18.991	VV	3931	121218	3.06%	0.656%

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247	19.029	18.991	19.055	VV	819	23787	0.60%	0.129%
248	19.070	19.055	19.097	VV	820	18058	0.46%	0.098%
249	19.107	19.097	19.141	VV	608	12925	0.33%	0.070%
250	19.174	19.141	19.248	VV	582	27070	0.68%	0.146%
251	19.324	19.248	19.395	VV	1989	70064	1.77%	0.379%
252	19.432	19.395	19.452	VV	913	24577	0.62%	0.133%
253	19.484	19.452	19.553	VV	1713	64006	1.61%	0.346%
254	19.574	19.553	19.596	VV	937	21862	0.55%	0.118%
255	19.619	19.596	19.639	VV	936	22119	0.56%	0.120%
256	19.710	19.639	19.793	VV	3422	142782	3.60%	0.773%
257	19.828	19.793	19.848	VV	1173	34803	0.88%	0.188%
258	19.861	19.848	19.881	VV	982	19234	0.49%	0.104%
259	19.939	19.881	19.961	VV	1244	52302	1.32%	0.283%
260	19.998	19.961	20.036	VV	2479	74656	1.88%	0.404%
261	20.085	20.036	20.115	VV	2176	70246	1.77%	0.380%
262	20.128	20.115	20.170	VV	1516	44248	1.12%	0.239%
263	20.195	20.170	20.208	VV	1429	30353	0.77%	0.164%
264	20.251	20.208	20.277	VV	1542	60680	1.53%	0.328%
265	20.288	20.277	20.295	VV	1553	15877	0.40%	0.086%
266	20.312	20.295	20.321	VV	1667	25331	0.64%	0.137%
267	20.351	20.321	20.404	VV	2133	92248	2.33%	0.499%
268	20.451	20.404	20.468	VV	3489	97824	2.47%	0.529%
269	20.492	20.468	20.531	VV	3560	113016	2.85%	0.612%
270	20.594	20.531	20.651	VV	4123	259029	6.53%	1.402%
271	20.660	20.651	20.738	VV	3741	164458	4.15%	0.890%
272	20.806	20.738	20.865	VV	3236	215251	5.43%	1.165%
273	20.968	20.865	21.061	VV	4123	360014	9.08%	1.948%
274	21.092	21.061	21.112	VV	2844	84555	2.13%	0.458%
275	21.187	21.112	21.385	VV	3488	424338	10.70%	2.296%
276	21.394	21.385	21.409	VV	1976	28280	0.71%	0.153%
277	21.421	21.409	21.435	VV	1923	28235	0.71%	0.153%
278	21.450	21.435	21.470	VV	1868	38897	0.98%	0.210%
279	21.509	21.470	21.588	VV	2651	141896	3.58%	0.768%
280	21.617	21.588	21.659	VV	1745	68658	1.73%	0.372%
281	21.668	21.659	21.676	VV	1504	14438	0.36%	0.078%
282	21.684	21.676	21.728	VV	1441	42243	1.07%	0.229%
283	21.746	21.728	21.765	VV	1285	27351	0.69%	0.148%
284	21.776	21.765	21.811	VV	1208	32144	0.81%	0.174%
285	21.828	21.811	21.838	VV	1118	17566	0.44%	0.095%
286	21.857	21.838	21.871	VV	1106	21617	0.55%	0.117%
287	21.877	21.871	22.031	VV	1087	82529	2.08%	0.447%
288	22.043	22.031	22.049	VV	719	7389	0.19%	0.040%
289	22.139	22.049	22.201	VV	1796	115420	2.91%	0.625%
290	22.264	22.201	22.383	VV	886	74072	1.87%	0.401%
291	22.395	22.383	22.501	VBA	409	18377	0.46%	0.099%
				Sum of corrected areas:		18480834		

Aliphatic EPH 031725.M Sat Mar 29 02:04:16 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015580.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.60	J	0.13	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.89	J	0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	4.63		0.43	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.39	J	1.29	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.6		40 - 140	67%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	24.5		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.0		40 - 140	40%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-07	Acq On:	28 Mar 2025 19:55
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP\AJ
Data file:	FG015580.D	Misc:	
Instrument:	FID_G	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1105429	8.25	200	ug/ml
Aromatic C12-C16	6.330	9.039	1691156	12.331	300	ug/ml
Aromatic C16-C21	9.040	13.371	8917449	63.965	500	ug/ml
Aromatic C21-C36	13.372	18.837	2506350	19.251	800	ug/ml
Aromatic EPH	4.449	18.837	14220384	103.797		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	4099312	33.56		ug/ml
2-Flurobiphenyl (SURR)	8.842	8.842	2028349	24.54		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	2923106	20.04		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015580.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:55
Operator : YP\AJ
Sample : Q1664-07
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:14:54 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...	7.964	4099312	33.558 ug/ml
Spiked Amount 50.000		Recovery =	67.12%
6) S 2-Flurobiphenyl (SURR)	8.842	2028349	24.539 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	49.08%
11) S ortho-Terphenyl (SURR)	11.912	2923106	20.045 ug/mlm
Spiked Amount 50.000		Recovery =	40.09%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

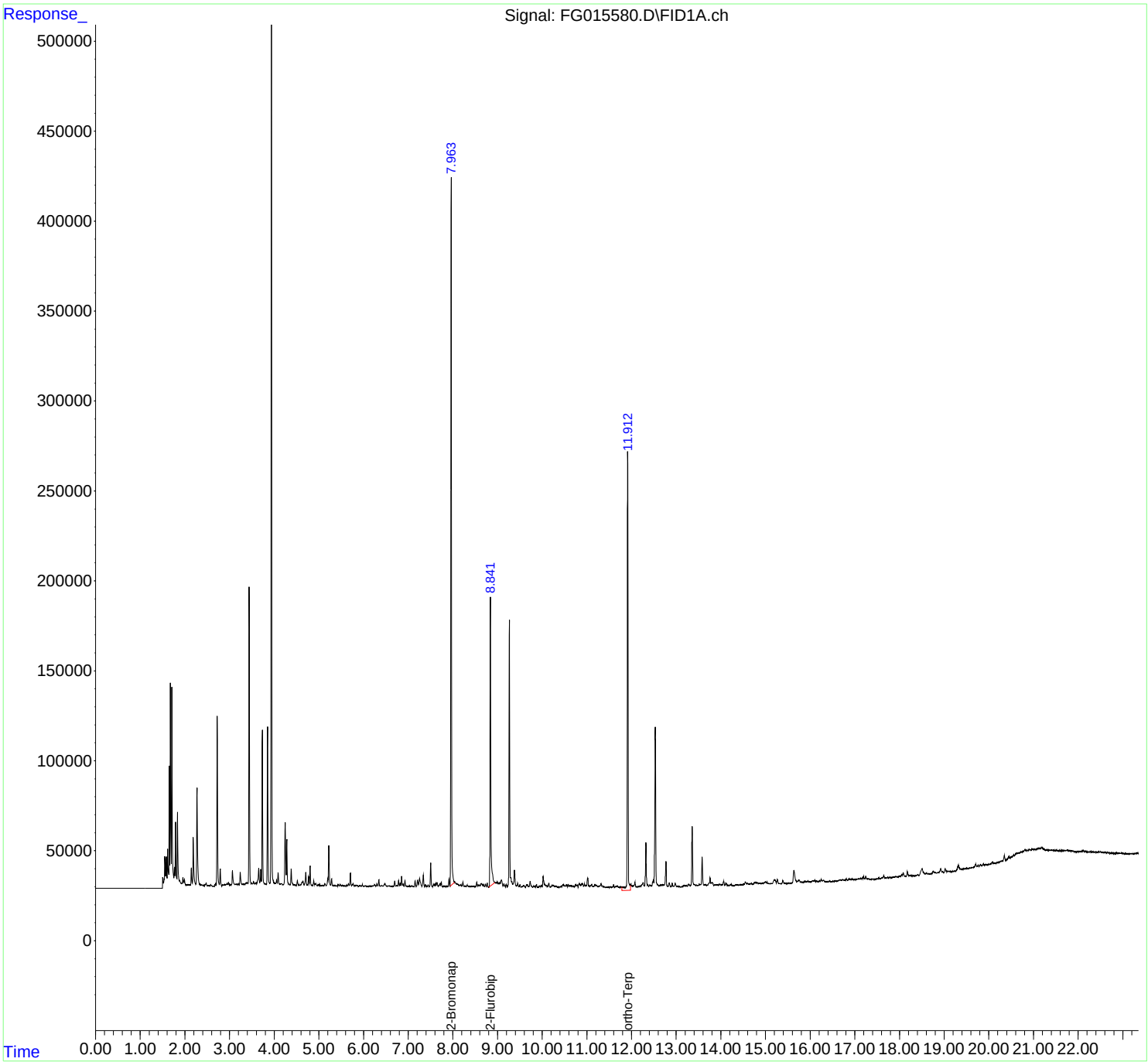
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015580.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:55
Operator : YP\AJ
Sample : Q1664-07
Misc :
ALS Vial : 78 Sample Multiplier: 1

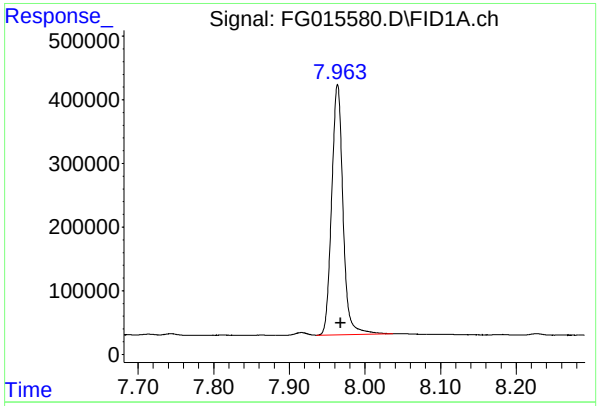
Integration File: autoint1.e
Quant Time: Mar 29 03:14:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





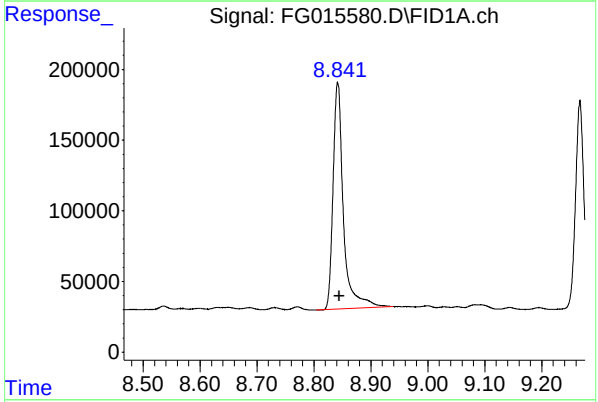
#4 2-Bromonaphthalene (SURR)

R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 4099312
Conc: 33.56 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

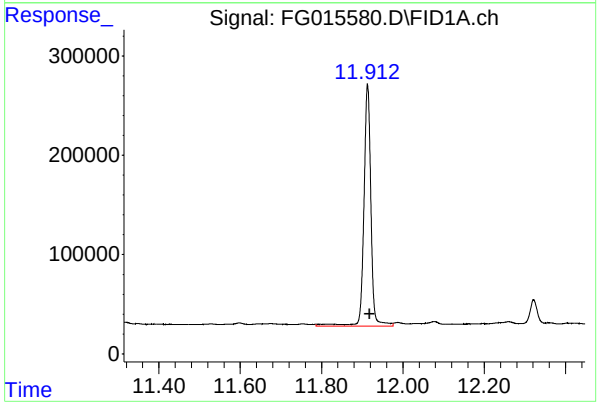
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 2028349
Conc: 24.54 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.005 min
Response: 2923106
Conc: 20.04 ug/ml m

rteres

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03282
Data File : FG015580.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:55
Sample : Q1664-07
Misc :
ALS Vial : 78 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	4.382	4.359	4.446	PV	8953	104181	2.49%	0.503%
2	4.457	4.446	4.475	VV	335	3877	0.09%	0.019%
3	4.519	4.493	4.544	VV	2663	30649	0.73%	0.148%
4	4.554	4.544	4.573	VV	370	3253	0.08%	0.016%
5	4.594	4.573	4.604	VV	556	6074	0.14%	0.029%
6	4.621	4.604	4.634	VV	1754	23537	0.56%	0.114%
7	4.646	4.634	4.670	VV	2396	30863	0.74%	0.149%
8	4.708	4.670	4.734	VV	7321	95394	2.28%	0.460%
9	4.742	4.734	4.750	VV	524	4143	0.10%	0.020%
10	4.771	4.750	4.787	VV	5126	56165	1.34%	0.271%
11	4.804	4.787	4.850	VV	11025	119696	2.86%	0.578%
12	4.886	4.862	4.919	VV	2723	37612	0.90%	0.182%
13	4.932	4.919	4.965	VV	1232	16973	0.41%	0.082%
14	4.979	4.965	4.997	VV	480	6036	0.14%	0.029%
15	5.015	4.997	5.050	VV	729	8508	0.20%	0.041%
16	5.077	5.050	5.093	VV	162	2543	0.06%	0.012%
17	5.103	5.093	5.116	VV	273	2520	0.06%	0.012%
18	5.136	5.116	5.165	VV	1288	17665	0.42%	0.085%
19	5.199	5.165	5.205	VV	3863	38653	0.92%	0.187%
20	5.224	5.205	5.265	VV	22388	272823	6.51%	1.317%
21	5.286	5.265	5.325	VV	4012	48243	1.15%	0.233%
22	5.346	5.325	5.385	VV	405	6280	0.15%	0.030%
23	5.401	5.385	5.414	PV	196	1754	0.04%	0.008%
24	5.433	5.414	5.453	VV	976	10770	0.26%	0.052%
25	5.473	5.453	5.510	VV	930	15508	0.37%	0.075%
26	5.527	5.510	5.559	VV	255	4793	0.11%	0.023%
27	5.565	5.559	5.592	VV	140	1994	0.05%	0.010%
28	5.604	5.592	5.609	VV	196	1302	0.03%	0.006%
29	5.626	5.609	5.646	VV	626	7446	0.18%	0.036%
30	5.664	5.646	5.685	VV	1401	18003	0.43%	0.087%
31	5.707	5.685	5.731	VV	7438	81160	1.94%	0.392%
32	5.744	5.731	5.754	VV	931	10316	0.25%	0.050%
33	5.768	5.754	5.793	VV	1647	19778	0.47%	0.095%
34	5.806	5.793	5.822	VV	348	4878	0.12%	0.024%
35	5.837	5.822	5.847	VV	569	6488	0.15%	0.031%
36	5.857	5.847	5.890	VV	540	8234	0.20%	0.040%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual IntegrationsAPPROVED

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rteres

37	5.916	5.890	5.951	VV	397	8143	0.19%	0.039%
38	5.974	5.951	6.012	VV	1062	11901		
39	6.035	6.019	6.080	VV	289	5417		
40	6.116	6.080	6.131	PV	113	2438		
41	6.138	6.131	6.146	VV	186	1368		
42	6.160	6.146	6.170	VV	240	2649		
43	6.185	6.170	6.200	VV	368	5199	0.12%	0.025%
44	6.246	6.200	6.276	VV	930	22430	0.54%	0.108%
45	6.300	6.276	6.325	VV	1534	21953	0.52%	0.106%
46	6.344	6.325	6.395	VV	3778	50235	1.20%	0.242%
47	6.410	6.395	6.431	VV	637	9228	0.22%	0.045%
48	6.482	6.431	6.513	VV	1815	39937	0.95%	0.193%
49	6.519	6.513	6.522	VV	278	1110	0.03%	0.005%
50	6.546	6.522	6.568	VV	469	9856	0.24%	0.048%
51	6.572	6.568	6.620	VV	343	7678	0.18%	0.037%
52	6.624	6.620	6.631	VV	223	1105	0.03%	0.005%
53	6.665	6.631	6.675	VV	351	6044	0.14%	0.029%
54	6.699	6.675	6.730	VV	3098	39975	0.95%	0.193%
55	6.743	6.730	6.767	VV	701	11995	0.29%	0.058%
56	6.786	6.767	6.806	VV	3564	42593	1.02%	0.206%
57	6.823	6.806	6.836	VV	2080	23614	0.56%	0.114%
58	6.854	6.836	6.874	VV	5859	65843	1.57%	0.318%
59	6.888	6.874	6.909	VV	1670	19118	0.46%	0.092%
60	6.929	6.909	6.949	VV	3441	37540	0.90%	0.181%
61	6.961	6.949	6.973	VV	497	5408	0.13%	0.026%
62	6.982	6.973	7.005	VV	286	3813	0.09%	0.018%
63	7.032	7.005	7.057	VV	470	8411	0.20%	0.041%
64	7.081	7.057	7.105	VV	699	10864	0.26%	0.052%
65	7.109	7.105	7.132	VV	292	2243	0.05%	0.011%
66	7.156	7.132	7.189	PV	3328	40761	0.97%	0.197%
67	7.211	7.189	7.228	VV	3778	50344	1.20%	0.243%
68	7.257	7.228	7.308	VV	4642	113397	2.71%	0.547%
69	7.340	7.308	7.368	VV	6625	88660	2.12%	0.428%
70	7.388	7.368	7.407	VV	1299	17779	0.42%	0.086%
71	7.448	7.407	7.469	VV	1165	20035	0.48%	0.097%
72	7.506	7.469	7.545	VV	13357	150807	3.60%	0.728%
73	7.568	7.545	7.576	VV	1501	16443	0.39%	0.079%
74	7.585	7.576	7.602	VV	1328	15156	0.36%	0.073%
75	7.616	7.602	7.629	VV	2139	23369	0.56%	0.113%
76	7.648	7.629	7.672	VV	2471	36923	0.88%	0.178%
77	7.688	7.672	7.696	VV	1005	10715	0.26%	0.052%
78	7.714	7.696	7.729	VV	1942	25823	0.62%	0.125%
79	7.743	7.729	7.782	VV	2667	31568	0.75%	0.152%
80	7.813	7.782	7.840	VV	528	10127	0.24%	0.049%
81	7.865	7.840	7.890	VV	450	7845	0.19%	0.038%
82	7.916	7.890	7.936	VV	4504	51868	1.24%	0.250%
83	7.964	7.936	8.038	VV	394284	4190907	100.00%	20.224%
84	8.047	8.038	8.080	VV	2884	59219	1.41%	0.286%
85	8.085	8.080	8.099	VV	1896	19621	0.47%	0.095%
86	8.110	8.099	8.165	VV	1647	47173	1.13%	0.228%
87	8.181	8.165	8.206	VV	1412	24543	0.59%	0.118%
88	8.228	8.206	8.250	VV	2667	36203	0.86%	0.175%
89	8.258	8.250	8.272	VV	568	6918	0.17%	0.033%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual IntegrationsAPPROVED

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rteres

90	8.285	8.272	8.297	VV	528	6668	0.16%	0.032%
91	8.321	8.297	8.347	VV	1127	21116		
92	8.352	8.347	8.385	VV	484	8044		
93	8.402	8.385	8.419	VV	396	6908		
94	8.437	8.419	8.465	VV	617	11371		
95	8.483	8.465	8.500	VV	379	6634		
96	8.536	8.500	8.554	VV	2815	37698	0.90%	0.182%
97	8.568	8.554	8.581	VV	1076	13850	0.33%	0.067%
98	8.599	8.581	8.615	VV	1246	18299	0.44%	0.088%
99	8.631	8.615	8.636	VV	1866	17885	0.43%	0.086%
100	8.649	8.636	8.669	VV	1949	30405	0.73%	0.147%
101	8.686	8.669	8.710	VV	1732	26142	0.62%	0.126%
102	8.731	8.710	8.754	VV	1745	23568	0.56%	0.114%
103	8.771	8.754	8.804	VV	2318	27401	0.65%	0.132%
104	8.842	8.804	8.947	PV	160794	2145352	51.19%	10.353%
105	8.949	8.947	8.955	VV	2560	11692	0.28%	0.056%
106	8.961	8.955	8.979	VV	2511	34088	0.81%	0.165%
107	8.999	8.979	9.017	VV	3067	57082	1.36%	0.275%
108	9.029	9.017	9.041	VV	2357	30398	0.73%	0.147%
109	9.051	9.041	9.065	VV	2470	31562	0.75%	0.152%
110	9.085	9.065	9.089	VV	3801	44022	1.05%	0.212%
111	9.092	9.089	9.126	VV	3847	50938	1.22%	0.246%
112	9.144	9.126	9.175	VV	1865	31103	0.74%	0.150%
113	9.195	9.175	9.222	VV	1783	28541	0.68%	0.138%
114	9.267	9.222	9.294	VV	148045	1557994	37.18%	7.519%
115	9.299	9.294	9.315	VV	5368	56557	1.35%	0.273%
116	9.321	9.315	9.338	VV	3095	35704	0.85%	0.172%
117	9.381	9.338	9.419	VV	9637	176708	4.22%	0.853%
118	9.423	9.419	9.435	VV	888	7906	0.19%	0.038%
119	9.453	9.435	9.479	VV	2308	33040	0.79%	0.159%
120	9.502	9.479	9.537	VV	1527	23983	0.57%	0.116%
121	9.556	9.537	9.568	VV	457	7272	0.17%	0.035%
122	9.585	9.568	9.628	VV	1127	21134	0.50%	0.102%
123	9.651	9.628	9.660	VV	1357	15823	0.38%	0.076%
124	9.670	9.660	9.704	VV	1466	21548	0.51%	0.104%
125	9.732	9.704	9.782	VV	3347	56969	1.36%	0.275%
126	9.810	9.782	9.853	VV	662	18310	0.44%	0.088%
127	9.874	9.853	9.913	VV	1533	19728	0.47%	0.095%
128	9.939	9.913	9.960	VV	862	13761	0.33%	0.066%
129	9.981	9.960	10.000	VV	1295	17331	0.41%	0.084%
130	10.023	10.000	10.111	VV	6331	139474	3.33%	0.673%
131	10.115	10.111	10.130	VV	655	6862	0.16%	0.033%
132	10.149	10.130	10.189	VV	2314	34882	0.83%	0.168%
133	10.224	10.189	10.281	VV	1385	46791	1.12%	0.226%
134	10.297	10.281	10.314	VV	822	13202	0.32%	0.064%
135	10.321	10.314	10.342	VV	758	8118	0.19%	0.039%
136	10.355	10.342	10.384	VV	300	4320	0.10%	0.021%
137	10.401	10.384	10.408	VV	377	3971	0.09%	0.019%
138	10.430	10.408	10.443	VV	892	11826	0.28%	0.057%
139	10.470	10.443	10.486	VV	1660	30031	0.72%	0.145%
140	10.492	10.486	10.510	VV	1105	13625	0.33%	0.066%
141	10.545	10.510	10.561	VV	1588	31979	0.76%	0.154%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/01/2025

					rteres			
142	10.581	10.561	10.602	VV	1556	26977	0.64%	0.130%
143	10.633	10.602	10.649	VV	1127	26018		
144	10.665	10.649	10.690	VV	1155	19377		
145	10.705	10.690	10.725	VV	592	10148		
146	10.753	10.725	10.766	VV	1697	27143		
147	10.778	10.766	10.805	VV	1382	25882		
148	10.835	10.805	10.857	VV	2086	49068	1.17%	0.237%
149	10.891	10.857	10.926	VV	2270	65799	1.57%	0.318%
150	10.946	10.926	10.963	VV	2112	30699	0.73%	0.148%
151	10.980	10.963	10.990	VV	1383	19199	0.46%	0.093%
152	11.019	10.990	11.044	VV	5351	90403	2.16%	0.436%
153	11.053	11.044	11.071	VV	913	12890	0.31%	0.062%
154	11.108	11.071	11.133	VV	1847	41180	0.98%	0.199%
155	11.147	11.133	11.153	VV	677	7262	0.17%	0.035%
156	11.177	11.153	11.201	VV	1880	36993	0.88%	0.179%
157	11.210	11.201	11.247	VV	1440	27608	0.66%	0.133%
158	11.259	11.247	11.277	VV	900	14346	0.34%	0.069%
159	11.318	11.277	11.337	VV	2360	49049	1.17%	0.237%
160	11.347	11.337	11.369	VV	1025	12816	0.31%	0.062%
161	11.386	11.369	11.441	VV	548	13646	0.33%	0.066%
162	11.447	11.441	11.463	VV	204	1993	0.05%	0.010%
163	11.472	11.463	11.500	VV	183	2708	0.06%	0.013%
164	11.527	11.500	11.553	VV	661	11075	0.26%	0.053%
165	11.598	11.553	11.626	VV	1695	27434	0.65%	0.132%
166	11.646	11.626	11.654	VV	781	8850	0.21%	0.043%
167	11.674	11.654	11.739	VV	1022	25241	0.60%	0.122%
168	11.754	11.739	11.772	VV	825	8744	0.21%	0.042%
169	11.786	11.772	11.792	VV	344	2941	0.07%	0.014%
170	11.797	11.792	11.801	VV	295	1428	0.03%	0.007%
171	11.812	11.801	11.855	VV	404	8215	0.20%	0.040%
172	11.913	11.855	11.971	PV	240530	2741844	65.42%	13.232%
173	11.988	11.971	12.015	VV	2148	36975	0.88%	0.178%
174	12.036	12.015	12.046	VV	1065	17001	0.41%	0.082%
175	12.076	12.046	12.106	VV	3090	55274	1.32%	0.267%
176	12.121	12.106	12.137	VV	482	6998	0.17%	0.034%
177	12.172	12.137	12.180	VV	637	12581	0.30%	0.061%
178	12.197	12.180	12.210	VV	861	13364	0.32%	0.064%
179	12.259	12.210	12.292	VV	2758	79289	1.89%	0.383%
180	12.321	12.292	12.349	VV	24749	312874	7.47%	1.510%
181	12.360	12.349	12.383	VV	1752	24977	0.60%	0.121%
182	12.404	12.383	12.415	VV	1390	19205	0.46%	0.093%
183	12.426	12.415	12.447	VV	1317	19043	0.45%	0.092%
184	12.488	12.447	12.501	VV	3991	80437	1.92%	0.388%
185	12.533	12.501	12.618	VV	88770	1223780	29.20%	5.906%
186	12.644	12.618	12.657	VV	1150	22658	0.54%	0.109%
187	12.682	12.657	12.712	VV	1457	39351	0.94%	0.190%
188	12.721	12.712	12.727	VV	1161	9746	0.23%	0.047%
189	12.729	12.727	12.732	VV	1110	2986	0.07%	0.014%
190	12.771	12.732	12.817	VV	14401	229673	5.48%	1.108%
191	12.846	12.817	12.875	VV	2286	38195	0.91%	0.184%
192	12.912	12.875	12.939	VV	2189	34141	0.81%	0.165%
193	12.945	12.939	12.957	VV	614	6010	0.14%	0.029%
194	12.977	12.957	13.022	VV	2132	39122	0.93%	0.189%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

rteres

195	13.053	13.022	13.074	VV	397	8110	0.19%	0.039%
196	13.080	13.074	13.100	VV	246	1822		
197	13.172	13.141	13.178	VV	728	9711		
198	13.195	13.178	13.216	VV	879	15624		
199	13.235	13.216	13.252	VV	640	10280		
200	13.278	13.252	13.320	VV	1463	36696		
201	13.357	13.320	13.396	VV	33549	449535	10.73%	2.169%
202	13.409	13.396	13.470	VV	1234	40385	0.96%	0.195%
203	13.483	13.470	13.489	VV	783	8541	0.20%	0.041%
204	13.492	13.489	13.500	VV	718	4123	0.10%	0.020%
205	13.520	13.500	13.539	VV	1287	23905	0.57%	0.115%
206	13.544	13.539	13.554	VV	1072	9252	0.22%	0.045%
207	13.580	13.554	13.624	VV	16353	225034	5.37%	1.086%
208	13.647	13.624	13.694	VV	1140	33556	0.80%	0.162%
209	13.758	13.694	13.778	VV	4802	98189	2.34%	0.474%
210	13.799	13.778	13.842	VV	2025	60094	1.43%	0.290%
211	13.865	13.842	13.887	VV	847	17502	0.42%	0.084%
212	13.911	13.887	13.919	VV	740	12035	0.29%	0.058%
213	13.927	13.919	13.948	VV	796	12103	0.29%	0.058%
214	13.982	13.948	14.004	VV	1112	26767	0.64%	0.129%
215	14.025	14.004	14.034	VV	793	11220	0.27%	0.054%
216	14.062	14.034	14.090	VV	2568	47255	1.13%	0.228%
217	14.114	14.090	14.162	VV	1775	35612	0.85%	0.172%
218	14.168	14.162	14.190	VV	353	4510	0.11%	0.022%
219	14.231	14.190	14.266	VV	782	17877	0.43%	0.086%
220	14.282	14.266	14.303	PV	94	1300	0.03%	0.006%
221	14.340	14.303	14.359	VV	418	9419	0.22%	0.045%
222	14.364	14.359	14.398	VV	436	7909	0.19%	0.038%
223	14.412	14.398	14.427	VV	406	5277	0.13%	0.025%
224	14.452	14.427	14.458	VV	579	7626	0.18%	0.037%
225	14.476	14.458	14.496	VV	491	10058	0.24%	0.049%
226	14.548	14.496	14.595	VV	1949	59105	1.41%	0.285%
227	14.602	14.595	14.630	VV	942	16072	0.38%	0.078%
228	14.640	14.630	14.647	VV	749	6528	0.16%	0.032%
229	14.651	14.647	14.657	VV	667	3657	0.09%	0.018%
230	14.677	14.657	14.720	VV	947	24232	0.58%	0.117%
231	14.757	14.720	14.761	VV	1170	21286	0.51%	0.103%
232	14.781	14.761	14.796	VV	1499	26324	0.63%	0.127%
233	14.811	14.796	14.840	VV	1154	27445	0.65%	0.132%
234	14.845	14.840	14.862	VV	838	9817	0.23%	0.047%
235	14.870	14.862	14.907	VV	853	18133	0.43%	0.088%
236	14.936	14.907	14.952	VV	1007	20057	0.48%	0.097%
237	14.994	14.952	15.012	VV	1454	40149	0.96%	0.194%
238	15.027	15.012	15.051	VV	1368	23757	0.57%	0.115%
239	15.060	15.051	15.084	VV	697	10388	0.25%	0.050%
240	15.095	15.084	15.109	VV	402	5256	0.13%	0.025%
241	15.154	15.109	15.158	VV	487	11318	0.27%	0.055%
242	15.198	15.158	15.207	VV	2210	47804	1.14%	0.231%
243	15.219	15.207	15.244	VV	2291	37564	0.90%	0.181%
244	15.267	15.244	15.300	VV	2512	40702	0.97%	0.196%
245	15.307	15.300	15.320	VV	249	2325	0.06%	0.011%
246	15.332	15.320	15.347	VV	212	2420	0.06%	0.012%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

rteres

247	15.388	15.361	15.413	VV	1887	26595	0.63%	0.128%
248	15.422	15.413	15.464	VV	375	7250		
249	15.469	15.464	15.484	VV	185	1777		
250	15.487	15.484	15.505	VV	202	1669		
251	15.528	15.505	15.563	PV	273	4766		
252	15.588	15.563	15.597	VV	235	3162		
253	15.638	15.597	15.706	VV	7109	193855	4.63%	0.936%
254	15.710	15.706	15.719	VV	1034	7535	0.18%	0.036%
255	15.756	15.719	15.784	VV	1659	46355	1.11%	0.224%
256	15.790	15.784	15.801	VV	568	5383	0.13%	0.026%
257	15.809	15.801	15.836	VV	538	8880	0.21%	0.043%
258	15.842	15.836	15.847	VV	354	2178	0.05%	0.011%
259	15.885	15.847	15.915	VV	790	25017	0.60%	0.121%
260	15.953	15.915	16.001	VV	905	31609	0.75%	0.153%
261	16.057	16.001	16.074	VV	1018	30173	0.72%	0.146%
262	16.098	16.074	16.122	VV	1212	26849	0.64%	0.130%
263	16.132	16.122	16.143	VV	606	7275	0.17%	0.035%
264	16.149	16.143	16.161	VV	600	5553	0.13%	0.027%
265	16.165	16.161	16.188	VV	454	6380	0.15%	0.031%
266	16.208	16.188	16.222	VV	786	12223	0.29%	0.059%
267	16.246	16.222	16.269	VV	1624	28191	0.67%	0.136%
268	16.299	16.269	16.347	VV	1018	27589	0.66%	0.133%
269	16.354	16.347	16.361	VV	172	1228	0.03%	0.006%
270	16.371	16.361	16.376	VV	126	1039	0.02%	0.005%
271	16.432	16.404	16.466	PV	286	5839	0.14%	0.028%
272	16.533	16.515	16.542	VV	214	2523	0.06%	0.012%
273	16.548	16.542	16.557	VV	212	1431	0.03%	0.007%
274	16.562	16.557	16.582	VV	178	1875	0.04%	0.009%
275	16.595	16.582	16.607	VV	170	1715	0.04%	0.008%
276	16.626	16.607	16.636	VV	370	4553	0.11%	0.022%
277	16.662	16.636	16.688	VV	810	19683	0.47%	0.095%
278	16.691	16.688	16.710	VV	720	7817	0.19%	0.038%
279	16.730	16.710	16.765	VV	930	21791	0.52%	0.105%
280	16.769	16.765	16.775	VV	573	3065	0.07%	0.015%
281	16.780	16.775	16.786	VV	604	3669	0.09%	0.018%
282	16.811	16.786	16.837	VV	1023	20054	0.48%	0.097%
283	16.874	16.837	16.902	VV	1007	27214	0.65%	0.131%
284	16.930	16.902	16.937	VV	877	16072	0.38%	0.078%
285	16.940	16.937	16.954	VV	846	7611	0.18%	0.037%
286	16.965	16.954	16.991	VV	778	14003	0.33%	0.068%
287	16.994	16.991	17.008	VV	517	4794	0.11%	0.023%
288	17.063	17.008	17.067	VV	648	19789	0.47%	0.095%
289	17.090	17.067	17.100	VV	763	13430	0.32%	0.065%
290	17.124	17.100	17.144	VV	1053	21901	0.52%	0.106%
291	17.163	17.144	17.177	VV	1076	17802	0.42%	0.086%
292	17.197	17.177	17.220	VV	1770	28818	0.69%	0.139%
293	17.244	17.220	17.295	VV	1974	40721	0.97%	0.197%
294	17.306	17.295	17.368	VV	466	12326	0.29%	0.059%
295	17.385	17.368	17.417	VV	233	4552	0.11%	0.022%
296	17.432	17.417	17.465	PV	181	2128	0.05%	0.010%
297	17.532	17.465	17.567	PV	551	12159	0.29%	0.059%
298	17.613	17.567	17.622	VV	588	9709	0.23%	0.047%
299	17.649	17.622	17.682	VV	1291	26469	0.63%	0.128%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

rteres

300	17.686	17.682	17.699	VV	282	2399	0.06%	0.012%
301	17.738	17.699	17.772	VV	500	14453		
302	17.797	17.772	17.823	VV	409	8928		
303	17.909	17.823	17.918	VV	567	22566		
304	17.931	17.918	17.955	VV	508	9153		
305	18.052	17.955	18.065	VV	1223	41863		
306	18.085	18.065	18.120	VV	2361	42843	1.02%	0.207%
307	18.131	18.120	18.141	VV	390	3623	0.09%	0.017%
308	18.176	18.141	18.217	VV	2849	52748	1.26%	0.255%
309	18.226	18.217	18.287	VV	569	16518	0.39%	0.080%
310	18.313	18.287	18.347	VV	251	5241	0.13%	0.025%
311	18.364	18.347	18.380	PV	155	2360	0.06%	0.011%
312	18.407	18.380	18.435	VV	555	8666	0.21%	0.042%
313	18.506	18.435	18.582	VV	3558	141603	3.38%	0.683%
314	18.606	18.582	18.630	VV	640	14480	0.35%	0.070%
315	18.640	18.630	18.696	VV	396	9578	0.23%	0.046%
316	18.757	18.696	18.830	VV	1179	39396	0.94%	0.190%
317	18.922	18.830	18.989	VV	2341	61164	1.46%	0.295%

Sum of corrected areas: 20721990

Aromatic EPH 031725.M Sat Mar 29 04:47:05 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 19:51	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.49	J	1	8.28	30.0	ug/l	FC068475.D
Aliphatic C12-C16	Aliphatic C12-C16	24.8		1	13.5	20.0	ug/l	FC068475.D
Aliphatic C16-C21	Aliphatic C16-C21	13.0	J	1	8.34	30.0	ug/l	FC068475.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068475.D
Aliphatic C28-C40	Aliphatic C28-C40	39.4	J	1	23.8	60.0	ug/l	FC068475.D
Aromatic C10-C12	Aromatic C10-C12	11.7	J	1	2.07	20.0	ug/l	FG015601.D
Aromatic C12-C16	Aromatic C12-C16	22.9	J	1	4.26	30.0	ug/l	FG015601.D
Aromatic C16-C21	Aromatic C16-C21	57.3		1	8.27	50.0	ug/l	FG015601.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015601.D
Total AliphaticEPH	Total AliphaticEPH	85.7	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	91.9	J		38.4	180	ug/l	
Total EPH	Total EPH	178	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068475.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.49	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	24.8		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.0	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	39.4	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-08	Acq On:	01 Apr 2025 19:51
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP/AJ
Data file:	FC068475.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	688918	4.244	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2087736	12.413	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1112234	6.485	300	ug/ml
Aliphatic C21-C28	13.097	16.749	1001665	5.932	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2680734	19.686	600	ug/ml
Aliphatic EPH	3.097	21.544	7571287	48.76		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6402050	42.95		ug/ml
Aliphatic C9-C28	3.097	16.749	4890553	29.074	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068475.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:51
Operator : YP/AJ
Sample : Q1664-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-02

Integration File: autoint1.e
Quant Time: Apr 02 03:00:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	6402050	42.945 ug/ml
Spiked Amount 50.000		Recovery = 85.89%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

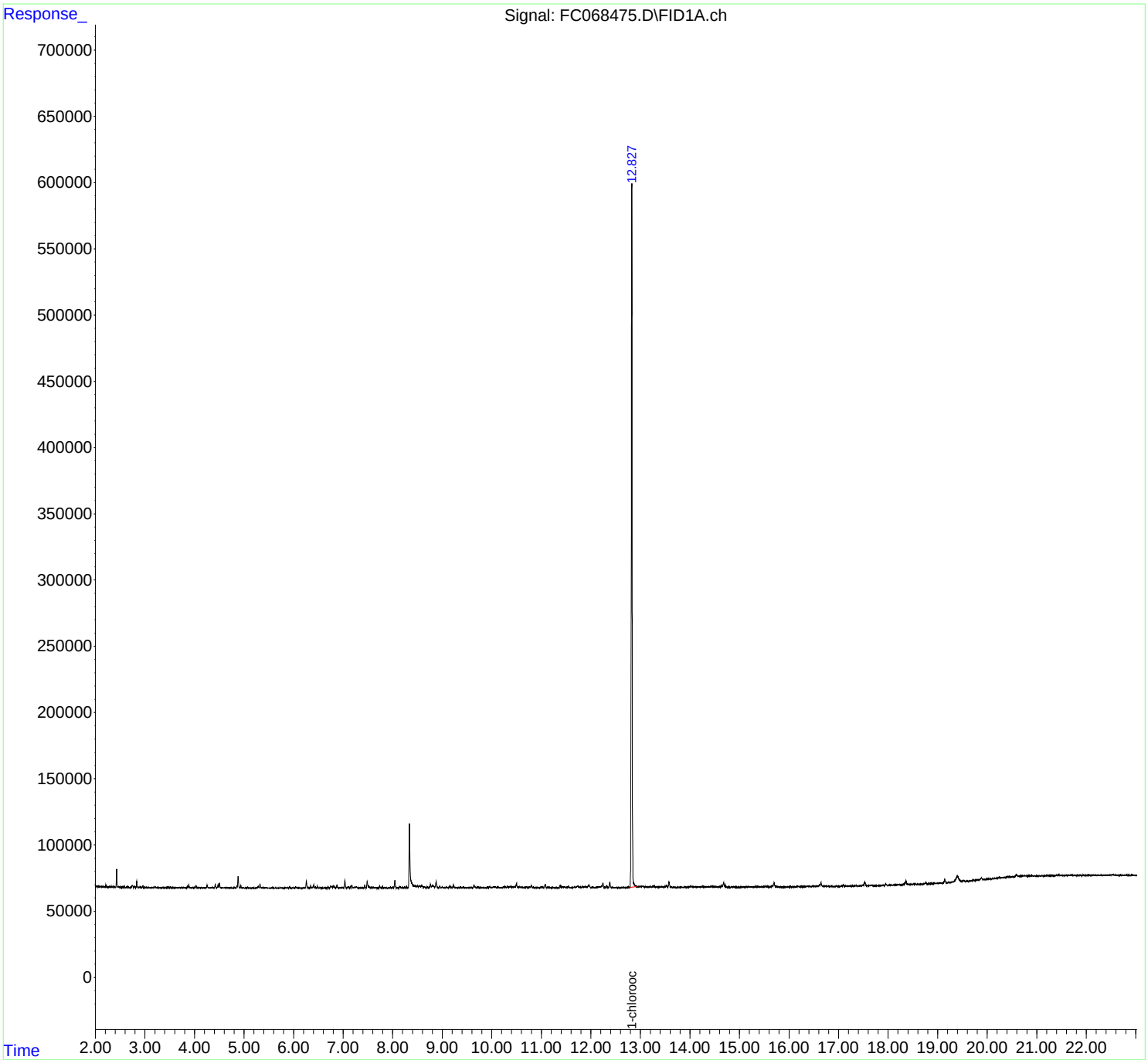
Quantitation Report (QT Reviewed)

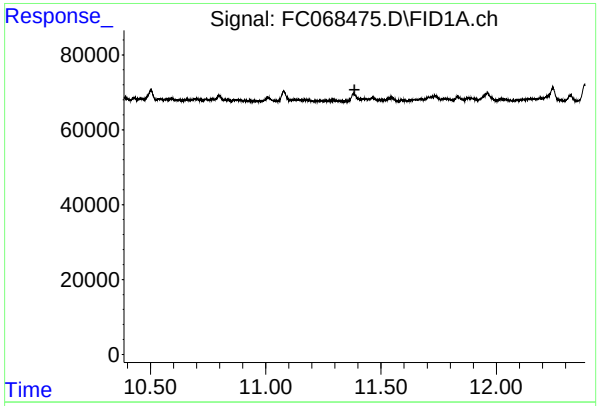
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068475.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:51
Operator : YP/AJ
Sample : Q1664-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-02

Integration File: autoint1.e
Quant Time: Apr 02 03:00:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

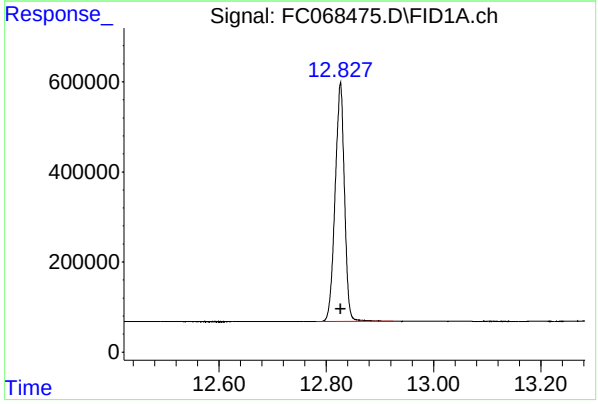




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-02



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 6402050
Conc: 42.95 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068475.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:51
Sample : Q1664-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.355	2.304	2.398	BV	948	7416	0.11%	0.051%
2	2.427	2.398	2.450	PV	13842	103604	1.60%	0.713%
3	2.468	2.450	2.508	VV	648	7991	0.12%	0.055%
4	2.518	2.508	2.536	PV	78	1369	0.02%	0.009%
5	2.553	2.536	2.573	VV	286	3308	0.05%	0.023%
6	2.587	2.573	2.633	VV	452	5166	0.08%	0.036%
7	2.652	2.633	2.683	PV	516	6543	0.10%	0.045%
8	2.699	2.683	2.721	VV	113	1735	0.03%	0.012%
9	2.739	2.721	2.768	VV	1602	25267	0.39%	0.174%
10	2.783	2.768	2.810	VV	1178	12281	0.19%	0.085%
11	2.833	2.810	2.888	VV	4933	48502	0.75%	0.334%
12	2.911	2.888	2.938	VV	344	6384	0.10%	0.044%
13	2.956	2.938	3.021	VV	1109	16313	0.25%	0.112%
14	3.048	3.021	3.114	VV	226	6156	0.10%	0.042%
15	3.200	3.114	3.274	PV	1079	18640	0.29%	0.128%
16	3.293	3.274	3.305	VV	165	2184	0.03%	0.015%
17	3.310	3.305	3.358	VV	144	1769	0.03%	0.012%
18	3.369	3.358	3.380	PV	87	701	0.01%	0.005%
19	3.398	3.380	3.418	VV	187	2041	0.03%	0.014%
20	3.426	3.418	3.441	VV	108	1315	0.02%	0.009%
21	3.473	3.441	3.504	VV	394	9740	0.15%	0.067%
22	3.518	3.504	3.539	VV	614	5984	0.09%	0.041%
23	3.564	3.539	3.588	VV	410	4490	0.07%	0.031%
24	3.599	3.588	3.628	VV	104	1818	0.03%	0.013%
25	3.634	3.628	3.670	VV	146	1576	0.02%	0.011%
26	3.701	3.670	3.728	VV	232	4631	0.07%	0.032%
27	3.735	3.728	3.744	VV	140	956	0.01%	0.007%
28	3.772	3.744	3.823	VV	209	5252	0.08%	0.036%
29	3.857	3.823	3.869	PV	955	9327	0.14%	0.064%
30	3.885	3.869	3.931	VV	2489	24925	0.39%	0.172%
31	3.951	3.931	3.971	VV	322	3784	0.06%	0.026%
32	4.031	3.971	4.069	VV	1770	27242	0.42%	0.188%
33	4.086	4.069	4.101	VV	193	2642	0.04%	0.018%
34	4.105	4.101	4.153	VV	169	1859	0.03%	0.013%
35	4.178	4.153	4.227	VV	207	4885	0.08%	0.034%
36	4.254	4.227	4.312	VV	1900	26401	0.41%	0.182%

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37	4.320	4.312	4.338	VV	173	1828	0.03%	0.013%
38	4.364	4.338	4.384	VV	546	7898	0.12%	0.054%
39	4.419	4.384	4.444	VV	2623	30634	0.47%	0.211%
40	4.453	4.444	4.457	VV	380	2501	0.04%	0.017%
41	4.475	4.457	4.491	VV	2392	25162	0.39%	0.173%
42	4.504	4.491	4.591	VV	3795	41528	0.64%	0.286%
43	4.618	4.591	4.662	VV	426	7248	0.11%	0.050%
44	4.692	4.662	4.734	VV	203	4579	0.07%	0.032%
45	4.742	4.734	4.754	VV	48	492	0.01%	0.003%
46	4.769	4.754	4.781	PV	95	852	0.01%	0.006%
47	4.802	4.781	4.830	VV	569	7111	0.11%	0.049%
48	4.880	4.830	4.913	VV	8671	115059	1.78%	0.792%
49	4.936	4.913	4.978	VV	1894	23830	0.37%	0.164%
50	4.987	4.978	5.018	VV	169	2316	0.04%	0.016%
51	5.040	5.018	5.053	VV	160	2103	0.03%	0.014%
52	5.071	5.053	5.104	VV	496	6228	0.10%	0.043%
53	5.113	5.104	5.128	VV	190	2111	0.03%	0.015%
54	5.141	5.128	5.152	VV	133	1801	0.03%	0.012%
55	5.173	5.152	5.191	VV	201	2428	0.04%	0.017%
56	5.196	5.191	5.214	VV	91	556	0.01%	0.004%
57	5.248	5.214	5.263	VV	307	4706	0.07%	0.032%
58	5.283	5.263	5.301	VV	885	11148	0.17%	0.077%
59	5.322	5.301	5.351	VV	3079	33861	0.52%	0.233%
60	5.378	5.351	5.410	VV	854	10963	0.17%	0.075%
61	5.461	5.410	5.516	VV	366	11506	0.18%	0.079%
62	5.527	5.516	5.540	VV	113	1166	0.02%	0.008%
63	5.572	5.540	5.608	VV	427	7237	0.11%	0.050%
64	5.629	5.608	5.642	VV	170	2242	0.03%	0.015%
65	5.651	5.642	5.658	VV	109	869	0.01%	0.006%
66	5.664	5.658	5.671	VV	142	803	0.01%	0.006%
67	5.678	5.671	5.718	VV	124	2044	0.03%	0.014%
68	5.732	5.718	5.794	PV	181	4749	0.07%	0.033%
69	5.833	5.794	5.858	VV	297	6740	0.10%	0.046%
70	5.877	5.858	5.896	VV	545	7190	0.11%	0.049%
71	5.919	5.896	5.961	VV	1395	17885	0.28%	0.123%
72	5.980	5.961	6.007	VV	418	5554	0.09%	0.038%
73	6.050	6.007	6.098	VV	764	16252	0.25%	0.112%
74	6.111	6.098	6.121	VV	116	1452	0.02%	0.010%
75	6.150	6.121	6.165	VV	235	3071	0.05%	0.021%
76	6.179	6.165	6.234	VV	146	4393	0.07%	0.030%
77	6.259	6.234	6.289	VV	5510	63455	0.98%	0.437%
78	6.297	6.289	6.320	VV	440	6161	0.10%	0.042%
79	6.340	6.320	6.359	VV	1475	17044	0.26%	0.117%
80	6.376	6.359	6.388	VV	803	9091	0.14%	0.063%
81	6.406	6.388	6.426	VV	2433	27218	0.42%	0.187%
82	6.438	6.426	6.459	VV	845	9756	0.15%	0.067%
83	6.478	6.459	6.524	VV	1238	15765	0.24%	0.109%
84	6.535	6.524	6.564	VV	164	2484	0.04%	0.017%
85	6.584	6.564	6.601	VV	183	1887	0.03%	0.013%
86	6.622	6.601	6.641	VV	284	3918	0.06%	0.027%
87	6.654	6.641	6.671	VV	224	1961	0.03%	0.013%
88	6.697	6.671	6.722	PV	1402	16503	0.26%	0.114%
89	6.749	6.722	6.784	VV	1856	33028	0.51%	0.227%

90	6.800	6.784	6.844	VV	1412	31379	0.49%	0.216%
91	6.876	6.844	6.941	VV	2475	35837	0.55%	0.247%
92	6.981	6.941	7.010	VV	571	10701	0.17%	0.074%
93	7.036	7.010	7.070	VV	5858	64953	1.00%	0.447%
94	7.097	7.070	7.127	VV	734	15788	0.24%	0.109%
95	7.144	7.127	7.157	VV	1038	11735	0.18%	0.081%
96	7.177	7.157	7.199	VV	2079	27919	0.43%	0.192%
97	7.213	7.199	7.223	VV	553	6479	0.10%	0.045%
98	7.240	7.223	7.253	VV	920	12688	0.20%	0.087%
99	7.267	7.253	7.298	VV	1278	15215	0.24%	0.105%
100	7.334	7.298	7.366	VV	367	8280	0.13%	0.057%
101	7.381	7.366	7.410	VV	289	4356	0.07%	0.030%
102	7.437	7.410	7.463	VV	2398	27794	0.43%	0.191%
103	7.487	7.463	7.564	VV	5246	86510	1.34%	0.595%
104	7.578	7.564	7.594	VV	413	6236	0.10%	0.043%
105	7.605	7.594	7.622	VV	462	5989	0.09%	0.041%
106	7.630	7.622	7.645	VV	357	3649	0.06%	0.025%
107	7.658	7.645	7.681	VV	273	4817	0.07%	0.033%
108	7.697	7.681	7.720	VV	412	5840	0.09%	0.040%
109	7.742	7.720	7.766	VV	1480	17778	0.27%	0.122%
110	7.797	7.766	7.821	VV	1088	14540	0.22%	0.100%
111	7.835	7.821	7.866	VV	473	7032	0.11%	0.048%
112	7.871	7.866	7.891	VV	204	2042	0.03%	0.014%
113	7.905	7.891	7.915	VV	172	1760	0.03%	0.012%
114	7.952	7.915	7.981	VV	710	10952	0.17%	0.075%
115	8.012	7.981	8.024	VV	441	7294	0.11%	0.050%
116	8.045	8.024	8.120	VV	5881	81247	1.26%	0.559%
117	8.156	8.120	8.175	VV	1003	21318	0.33%	0.147%
118	8.193	8.175	8.216	VV	830	12568	0.19%	0.087%
119	8.238	8.216	8.257	VV	777	9999	0.15%	0.069%
120	8.276	8.257	8.306	VV	1157	13468	0.21%	0.093%
121	8.340	8.306	8.479	PV	48819	766830	11.86%	5.278%
122	8.501	8.479	8.518	VV	1759	33076	0.51%	0.228%
123	8.552	8.518	8.568	VV	1509	39492	0.61%	0.272%
124	8.585	8.568	8.624	VV	1999	46658	0.72%	0.321%
125	8.643	8.624	8.674	VV	1220	20743	0.32%	0.143%
126	8.696	8.674	8.720	VV	978	16108	0.25%	0.111%
127	8.764	8.720	8.782	VV	3107	47606	0.74%	0.328%
128	8.800	8.782	8.847	VV	2201	52575	0.81%	0.362%
129	8.878	8.847	8.924	VV	5014	87472	1.35%	0.602%
130	8.950	8.924	8.975	VV	1526	22331	0.35%	0.154%
131	8.999	8.975	9.026	VV	1004	15101	0.23%	0.104%
132	9.080	9.026	9.120	VV	705	22393	0.35%	0.154%
133	9.164	9.120	9.203	VV	1199	33094	0.51%	0.228%
134	9.227	9.203	9.271	VV	2199	37038	0.57%	0.255%
135	9.282	9.271	9.347	VV	450	15269	0.24%	0.105%
136	9.368	9.347	9.401	VV	879	15439	0.24%	0.106%
137	9.422	9.401	9.465	VV	980	18176	0.28%	0.125%
138	9.473	9.465	9.520	VV	313	6359	0.10%	0.044%
139	9.562	9.520	9.618	VV	544	16832	0.26%	0.116%
140	9.642	9.618	9.690	VV	2442	40252	0.62%	0.277%
141	9.716	9.690	9.774	VV	781	27118	0.42%	0.187%

142	9.785	9.774	9.800	VV	542	6631	0.10%	0.046%
143	9.813	9.800	9.835	VV	382	5043	0.08%	0.035%
144	9.849	9.835	9.859	VV	152	1349	0.02%	0.009%
145	9.865	9.859	9.870	VV	78	340	0.01%	0.002%
146	9.917	9.870	9.931	VV	511	10545	0.16%	0.073%
147	9.958	9.931	9.993	VV	888	20397	0.32%	0.140%
148	10.032	9.993	10.049	VV	1012	21721	0.34%	0.150%
149	10.067	10.049	10.089	VV	950	17085	0.26%	0.118%
150	10.117	10.089	10.138	VV	676	16473	0.25%	0.113%
151	10.146	10.138	10.211	VV	558	14695	0.23%	0.101%
152	10.237	10.211	10.254	VV	983	17495	0.27%	0.120%
153	10.272	10.254	10.290	VV	936	15743	0.24%	0.108%
154	10.312	10.290	10.338	VV	1211	23837	0.37%	0.164%
155	10.386	10.338	10.412	VV	1170	35971	0.56%	0.248%
156	10.430	10.412	10.448	VV	1049	15325	0.24%	0.105%
157	10.460	10.448	10.473	VV	841	11337	0.18%	0.078%
158	10.502	10.473	10.578	VV	3002	68425	1.06%	0.471%
159	10.593	10.578	10.616	VV	751	12602	0.19%	0.087%
160	10.659	10.616	10.672	VV	577	13760	0.21%	0.095%
161	10.692	10.672	10.726	VV	708	17153	0.27%	0.118%
162	10.741	10.726	10.754	VV	624	8392	0.13%	0.058%
163	10.798	10.754	10.819	VV	1485	31368	0.48%	0.216%
164	10.830	10.819	10.850	VV	551	7119	0.11%	0.049%
165	10.883	10.850	10.918	VV	420	12662	0.20%	0.087%
166	10.930	10.918	10.968	VV	244	4119	0.06%	0.028%
167	11.010	10.968	11.043	VV	1137	20159	0.31%	0.139%
168	11.078	11.043	11.111	VV	2747	42229	0.65%	0.291%
169	11.125	11.111	11.218	VV	484	20763	0.32%	0.143%
170	11.231	11.218	11.253	PV	272	3466	0.05%	0.024%
171	11.293	11.253	11.344	VV	336	8053	0.12%	0.055%
172	11.382	11.344	11.414	VV	2172	37014	0.57%	0.255%
173	11.424	11.414	11.444	VV	645	10632	0.16%	0.073%
174	11.463	11.444	11.503	VV	1012	21063	0.33%	0.145%
175	11.546	11.503	11.578	VV	985	23776	0.37%	0.164%
176	11.590	11.578	11.615	VV	275	5119	0.08%	0.035%
177	11.672	11.615	11.682	VV	573	16406	0.25%	0.113%
178	11.734	11.682	11.764	VV	1428	46185	0.71%	0.318%
179	11.784	11.764	11.810	VV	783	15943	0.25%	0.110%
180	11.832	11.810	11.861	VV	1149	21568	0.33%	0.148%
181	11.880	11.861	11.924	VV	808	24405	0.38%	0.168%
182	11.960	11.924	11.998	VV	2171	50689	0.78%	0.349%
183	12.019	11.998	12.094	VV	613	21342	0.33%	0.147%
184	12.151	12.094	12.173	VV	750	23904	0.37%	0.165%
185	12.192	12.173	12.201	VV	782	11371	0.18%	0.078%
186	12.245	12.201	12.294	VV	3557	71232	1.10%	0.490%
187	12.322	12.294	12.352	VV	1679	24292	0.38%	0.167%
188	12.382	12.352	12.474	VV	4445	67018	1.04%	0.461%
189	12.491	12.474	12.537	VV	263	7322	0.11%	0.050%
190	12.550	12.537	12.608	VV	133	2780	0.04%	0.019%
191	12.659	12.608	12.688	PV	512	15088	0.23%	0.104%
192	12.703	12.688	12.721	VV	372	5147	0.08%	0.035%
193	12.742	12.721	12.781	VV	501	13115	0.20%	0.090%
194	12.826	12.781	12.948	VV	533752	6468087	100.00%	44.522%

195	12.990	12.948	13.024	VV	1193	42240	0.65%	0.291%
196	13.047	13.024	13.084	VV	1066	30326	0.47%	0.209%
197	13.107	13.084	13.163	VV	763	28088	0.43%	0.193%
198	13.190	13.163	13.225	VV	978	28088	0.43%	0.193%
199	13.279	13.225	13.304	VV	1343	42909	0.66%	0.295%
200	13.326	13.304	13.354	VV	642	14363	0.22%	0.099%
201	13.380	13.354	13.408	VV	580	15121	0.23%	0.104%
202	13.445	13.408	13.468	VV	741	21553	0.33%	0.148%
203	13.484	13.468	13.493	VV	567	7545	0.12%	0.052%
204	13.525	13.493	13.554	VV	1641	33235	0.51%	0.229%
205	13.578	13.554	13.661	VV	4255	72380	1.12%	0.498%
206	13.676	13.661	13.764	VV	277	9849	0.15%	0.068%
207	13.811	13.764	13.884	VV	335	17322	0.27%	0.119%
208	13.905	13.884	13.944	VV	350	8830	0.14%	0.061%
209	13.962	13.944	13.981	VV	257	4767	0.07%	0.033%
210	14.016	13.981	14.088	VV	1209	38033	0.59%	0.262%
211	14.099	14.088	14.112	VV	494	6211	0.10%	0.043%
212	14.143	14.112	14.178	VV	568	15660	0.24%	0.108%
213	14.228	14.178	14.248	VV	603	18824	0.29%	0.130%
214	14.280	14.248	14.305	VV	691	19074	0.29%	0.131%
215	14.323	14.305	14.370	VV	549	17771	0.27%	0.122%
216	14.395	14.370	14.412	VV	561	11520	0.18%	0.079%
217	14.444	14.412	14.469	VV	870	23233	0.36%	0.160%
218	14.486	14.469	14.512	VV	804	16163	0.25%	0.111%
219	14.525	14.512	14.574	VV	503	14150	0.22%	0.097%
220	14.635	14.574	14.653	VV	1422	30948	0.48%	0.213%
221	14.679	14.653	14.818	VV	3699	78167	1.21%	0.538%
222	14.846	14.818	14.921	PV	449	13827	0.21%	0.095%
223	14.931	14.921	14.956	VV	154	2299	0.04%	0.016%
224	14.979	14.956	15.015	VV	188	4068	0.06%	0.028%
225	15.070	15.015	15.084	VV	236	5966	0.09%	0.041%
226	15.118	15.084	15.126	VV	286	5678	0.09%	0.039%
227	15.132	15.126	15.138	VV	284	1751	0.03%	0.012%
228	15.158	15.138	15.174	VV	400	7141	0.11%	0.049%
229	15.199	15.174	15.233	VV	569	12921	0.20%	0.089%
230	15.245	15.233	15.274	VV	345	6655	0.10%	0.046%
231	15.338	15.274	15.368	VV	505	19855	0.31%	0.137%
232	15.388	15.368	15.444	VV	521	17308	0.27%	0.119%
233	15.517	15.444	15.529	VV	582	20687	0.32%	0.142%
234	15.548	15.529	15.615	VV	681	20932	0.32%	0.144%
235	15.658	15.615	15.674	VV	1208	20272	0.31%	0.140%
236	15.697	15.674	15.738	VV	3240	56229	0.87%	0.387%
237	15.746	15.738	15.824	VV	573	13784	0.21%	0.095%
238	15.833	15.824	15.848	VV	136	1226	0.02%	0.008%
239	15.876	15.848	15.934	VV	158	4690	0.07%	0.032%
240	15.972	15.934	15.999	PV	150	2979	0.05%	0.021%
241	16.012	15.999	16.038	VV	112	1849	0.03%	0.013%
242	16.058	16.038	16.078	VV	170	1922	0.03%	0.013%
243	16.143	16.078	16.150	VV	174	4362	0.07%	0.030%
244	16.179	16.150	16.232	VV	498	13741	0.21%	0.095%
245	16.238	16.232	16.254	VV	211	2323	0.04%	0.016%
246	16.302	16.254	16.318	VV	239	7263	0.11%	0.050%

247	16.337	16.318	16.348	VV	338	5330	0.08%	0.037%
248	16.379	16.348	16.444	VV	436	18811	0.29%	0.129%
249	16.471	16.444	16.510	VV	374	12691	0.20%	0.087%
250	16.564	16.510	16.584	VV	536	18074	0.28%	0.124%
251	16.614	16.584	16.623	VV	955	16471	0.25%	0.113%
252	16.645	16.623	16.708	VV	2979	55686	0.86%	0.383%
253	16.721	16.708	16.731	VV	314	3968	0.06%	0.027%
254	16.747	16.731	16.777	VV	385	7102	0.11%	0.049%
255	16.791	16.777	16.821	VV	240	4005	0.06%	0.028%
256	16.840	16.821	16.884	VV	152	3591	0.06%	0.025%
257	16.909	16.884	16.932	PV	108	1988	0.03%	0.014%
258	16.952	16.932	16.961	VV	138	1487	0.02%	0.010%
259	16.977	16.961	17.003	VV	79	1686	0.03%	0.012%
260	17.062	17.003	17.070	PV	182	3691	0.06%	0.025%
261	17.096	17.070	17.128	VV	965	14619	0.23%	0.101%
262	17.198	17.128	17.224	VV	262	10459	0.16%	0.072%
263	17.311	17.224	17.324	VV	283	10330	0.16%	0.071%
264	17.339	17.324	17.349	VV	298	3865	0.06%	0.027%
265	17.356	17.349	17.405	VV	280	7477	0.12%	0.051%
266	17.422	17.405	17.441	VV	284	4404	0.07%	0.030%
267	17.530	17.441	17.611	VV	3035	77000	1.19%	0.530%
268	17.643	17.611	17.662	VV	228	6113	0.09%	0.042%
269	17.684	17.662	17.748	VV	279	6720	0.10%	0.046%
270	17.775	17.748	17.783	VV	142	1194	0.02%	0.008%
271	17.805	17.783	17.842	PV	148	2942	0.05%	0.020%
272	17.865	17.842	17.878	VV	120	1344	0.02%	0.009%
273	17.881	17.878	17.893	VV	109	436	0.01%	0.003%
274	17.916	17.893	17.924	PV	168	1785	0.03%	0.012%
275	17.952	17.924	18.014	VV	1103	21339	0.33%	0.147%
276	18.092	18.014	18.104	VV	173	6538	0.10%	0.045%
277	18.132	18.104	18.142	VV	200	2577	0.04%	0.018%
278	18.227	18.142	18.269	VV	331	14122	0.22%	0.097%
279	18.282	18.269	18.311	VV	199	3671	0.06%	0.025%
280	18.361	18.311	18.438	VV	2779	67445	1.04%	0.464%
281	18.469	18.438	18.481	VV	242	5123	0.08%	0.035%
282	18.492	18.481	18.504	VV	246	2820	0.04%	0.019%
283	18.521	18.504	18.597	VV	286	10227	0.16%	0.070%
284	18.620	18.597	18.630	VV	198	2597	0.04%	0.018%
285	18.679	18.630	18.700	VV	177	5009	0.08%	0.034%
286	18.758	18.700	18.831	PV	1141	23630	0.37%	0.163%
287	18.877	18.831	18.895	VV	257	4157	0.06%	0.029%
288	18.905	18.895	18.912	VV	136	722	0.01%	0.005%
289	18.942	18.912	18.951	VV	237	3179	0.05%	0.022%
290	18.959	18.951	18.974	VV	190	1409	0.02%	0.010%
291	19.050	18.974	19.062	VV	164	6328	0.10%	0.044%
292	19.071	19.062	19.086	VV	176	1616	0.02%	0.011%
293	19.145	19.086	19.208	VV	2266	51265	0.79%	0.353%
294	19.244	19.208	19.253	VV	308	6795	0.11%	0.047%
295	19.400	19.253	19.494	VV	4708	256487	3.97%	1.765%
296	19.519	19.494	19.554	VV	1191	28703	0.44%	0.198%
297	19.571	19.554	19.594	VV	601	12390	0.19%	0.085%
298	19.801	19.594	19.821	VV	1032	106244	1.64%	0.731%
299	19.882	19.821	19.911	VV	2535	84560	1.31%	0.582%

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300	19.952	19.911	19.968	VV	1304	41113	0.64%	0.283%
301	20.069	19.968	20.078	VV	1425	86812	1.34%	0.598%
302	20.243	20.078	20.274	VV	2144	190549	2.95%	1.312%
303	20.431	20.274	20.485	VV	2289	261102	4.04%	1.797%
304	20.492	20.485	20.498	VV	2239	17078	0.26%	0.118%
305	20.506	20.498	20.528	VV	2267	39261	0.61%	0.270%
306	20.592	20.528	20.633	VV	3384	166782	2.58%	1.148%
307	20.646	20.633	20.654	VV	2418	30260	0.47%	0.208%
308	20.710	20.654	20.723	VV	2380	96828	1.50%	0.667%
309	20.767	20.723	20.794	VV	2429	100940	1.56%	0.695%
310	20.833	20.794	20.886	VV	2300	122132	1.89%	0.841%
311	20.910	20.886	20.935	VV	2231	61390	0.95%	0.423%
312	20.947	20.935	20.965	VV	2052	35510	0.55%	0.244%
313	21.001	20.965	21.038	VV	2029	80968	1.25%	0.557%
314	21.049	21.038	21.058	VV	1727	19458	0.30%	0.134%
315	21.072	21.058	21.094	VV	1782	36541	0.56%	0.252%
316	21.105	21.094	21.144	VV	1734	50123	0.77%	0.345%
317	21.192	21.144	21.214	VV	1681	68490	1.06%	0.471%
318	21.236	21.214	21.254	VV	1697	38716	0.60%	0.266%
319	21.284	21.254	21.331	VV	1592	70105	1.08%	0.483%
320	21.342	21.331	21.358	VV	1489	22972	0.36%	0.158%
321	21.441	21.358	21.508	VV	1896	133215	2.06%	0.917%
322	21.517	21.508	21.531	VV	1222	16300	0.25%	0.112%
323	21.547	21.531	21.564	VV	1170	22629	0.35%	0.156%
324	21.603	21.564	21.623	VV	1165	38196	0.59%	0.263%
325	21.681	21.623	21.694	VV	1130	45705	0.71%	0.315%
326	21.698	21.694	21.711	VV	1033	9904	0.15%	0.068%
327	21.717	21.711	21.740	VV	979	15474	0.24%	0.107%
328	21.751	21.740	21.794	VV	860	25185	0.39%	0.173%
329	21.798	21.794	21.825	VV	757	12466	0.19%	0.086%
330	21.835	21.825	21.843	VV	623	6747	0.10%	0.046%
331	21.854	21.843	21.883	VV	648	13697	0.21%	0.094%
332	21.894	21.883	21.924	VV	587	12004	0.19%	0.083%
333	21.944	21.924	22.028	VV	527	22750	0.35%	0.157%
334	22.034	22.028	22.058	VV	307	4114	0.06%	0.028%
335	22.147	22.058	22.158	VV	135	7577	0.12%	0.052%

Sum of corrected areas: 14527863

Aliphatic EPH 032625.M Wed Apr 02 03:33:24 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-02		SDG No.:	Q1664	
Lab Sample ID:	Q1664-08		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015601.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		11.7	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16		22.9	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21		57.3		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36		23.8	U	23.8	80.0	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		43.4		40 - 140	87%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		34.9		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		42.8		40 - 140	86%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-08	Acq On:	01 Apr 2025 18:57
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP\AJ
Data file:	FG015601.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	783488	5.847	200	ug/ml
Aromatic C12-C16	6.330	9.035	1573562	11.473	300	ug/ml
Aromatic C16-C21	9.036	13.365	3995267	28.658	500	ug/ml
Aromatic C21-C36	13.366	18.829	2157691	16.573	800	ug/ml
Aromatic EPH	4.450	18.829	8510008	62.551		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6234413	42.75		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5297311	43.37		ug/ml
2-Flurobiphenyl (SURR)	8.839	8.839	2886272	34.92		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015601.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:57
Operator : YP\AJ
Sample : Q1664-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Integration File: autoint1.e
Quant Time: Apr 02 01:17:30 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...	7.961	5297311	43.366 ug/ml
Spiked Amount 50.000		Recovery =	86.73%
6) S 2-Flurobiphenyl (SURR)	8.839	2886272	34.919 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	69.84%
11) S ortho-Terphenyl (SURR)	11.912	6234413	42.752 ug/ml
Spiked Amount 50.000		Recovery =	85.50%
Target Compounds			

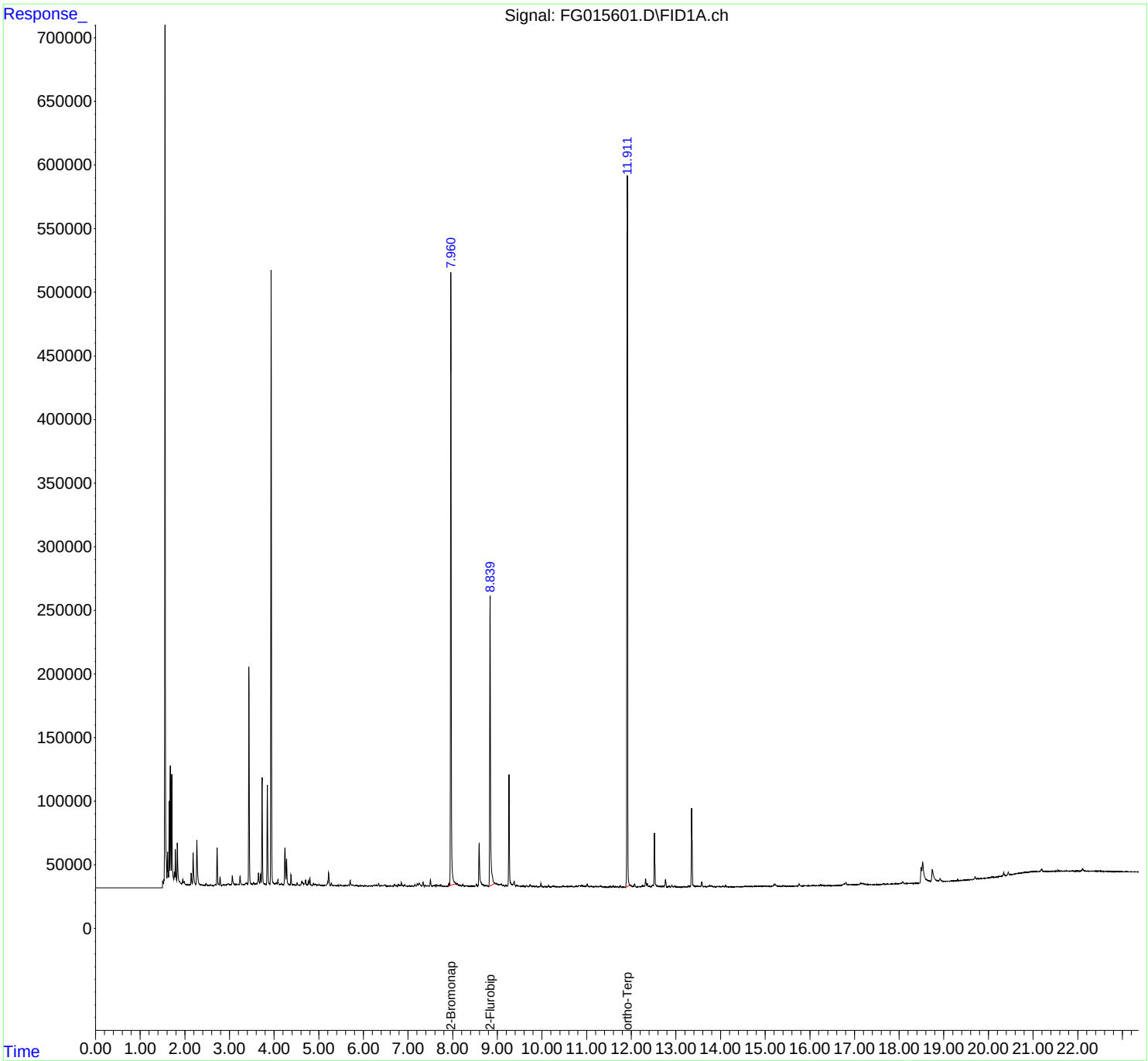
(f)=RT Delta > 1/2 Window (m)=manual int.

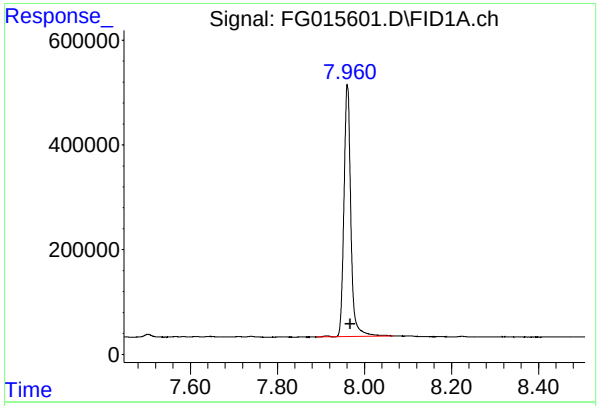
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015601.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:57
Operator : YP\AJ
Sample : Q1664-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02

Integration File: autoint1.e
Quant Time: Apr 02 01:17:30 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

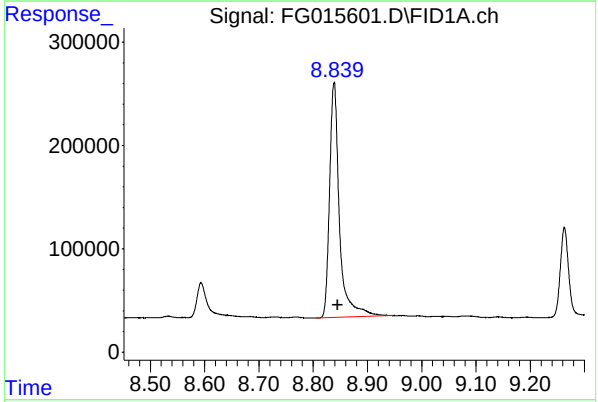




#4 2-Bromonaphthalene (SURR)

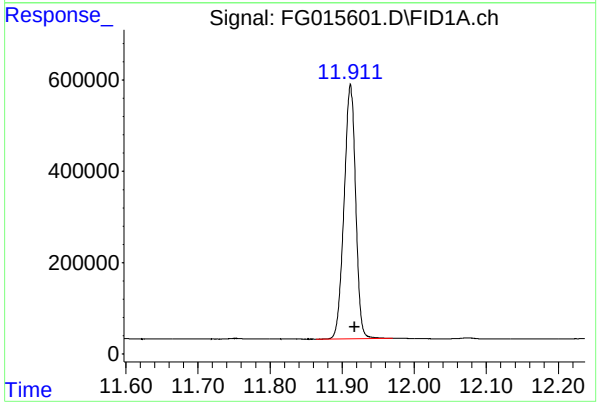
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 5297311
Conc: 43.37 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-02



#6 2-Flurobiphenyl (SURR)

R.T.: 8.839 min
Delta R.T.: -0.006 min
Response: 2886272
Conc: 34.92 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.006 min
Response: 6234413
Conc: 42.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015601.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:57
Sample : Q1664-08
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	4.379	4.359	4.447	PV	8017	84786	1.35%	0.362%
2	4.456	4.447	4.494	VV	299	3752	0.06%	0.016%
3	4.516	4.494	4.540	PV	2115	23887	0.38%	0.102%
4	4.554	4.540	4.575	VV	336	3583	0.06%	0.015%
5	4.618	4.575	4.670	VV	3058	81046	1.29%	0.346%
6	4.705	4.670	4.730	VV	4235	64946	1.03%	0.278%
7	4.740	4.730	4.747	VV	502	4361	0.07%	0.019%
8	4.768	4.747	4.784	VV	3656	40336	0.64%	0.172%
9	4.801	4.784	4.860	VV	5784	70218	1.12%	0.300%
10	4.883	4.860	4.899	VV	1833	20825	0.33%	0.089%
11	4.928	4.899	4.952	VV	1056	21620	0.34%	0.092%
12	4.978	4.952	4.994	VV	573	8900	0.14%	0.038%
13	5.011	4.994	5.074	VV	682	10893	0.17%	0.047%
14	5.099	5.092	5.117	VV	100	1097	0.02%	0.005%
15	5.133	5.117	5.162	VV	619	9627	0.15%	0.041%
16	5.197	5.162	5.204	VV	2484	27637	0.44%	0.118%
17	5.222	5.204	5.262	VV	10372	136689	2.17%	0.584%
18	5.283	5.262	5.324	VV	2149	27911	0.44%	0.119%
19	5.343	5.337	5.356	VV	202	1574	0.03%	0.007%
20	5.430	5.413	5.451	VV	671	7559	0.12%	0.032%
21	5.479	5.451	5.539	VV	805	19379	0.31%	0.083%
22	5.543	5.539	5.574	VV	199	2644	0.04%	0.011%
23	5.590	5.574	5.606	VV	214	2723	0.04%	0.012%
24	5.619	5.606	5.641	VV	372	4288	0.07%	0.018%
25	5.663	5.641	5.674	VV	774	9112	0.14%	0.039%
26	5.705	5.674	5.749	VV	4445	64825	1.03%	0.277%
27	5.764	5.749	5.795	VV	1168	16050	0.26%	0.069%
28	5.818	5.795	5.823	VV	464	5213	0.08%	0.022%
29	5.828	5.823	5.845	VV	504	5702	0.09%	0.024%
30	5.854	5.845	5.892	VV	507	6776	0.11%	0.029%
31	5.926	5.892	5.954	VV	489	8722	0.14%	0.037%
32	5.974	5.954	5.997	VV	542	7573	0.12%	0.032%
33	6.014	5.997	6.024	VV	305	2983	0.05%	0.013%
34	6.039	6.024	6.057	VV	420	5682	0.09%	0.024%
35	6.060	6.057	6.085	VV	230	2179	0.03%	0.009%
36	6.130	6.115	6.152	VV	330	5324	0.08%	0.023%

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37	6.156	6.152	6.169	VV	299	2423	0.04%	0.010%
38	6.182	6.169	6.206	VV	387	6390	0.10%	0.027%
39	6.245	6.206	6.265	VV	795	19437	0.31%	0.083%
40	6.271	6.265	6.282	VV	542	4752	0.08%	0.020%
41	6.297	6.282	6.324	VV	870	14850	0.24%	0.063%
42	6.342	6.324	6.372	VV	2289	31037	0.49%	0.133%
43	6.381	6.372	6.393	VV	528	5530	0.09%	0.024%
44	6.408	6.393	6.419	VV	547	7286	0.12%	0.031%
45	6.421	6.419	6.439	VV	473	4310	0.07%	0.018%
46	6.466	6.439	6.470	VV	998	11328	0.18%	0.048%
47	6.479	6.470	6.529	VV	1066	19064	0.30%	0.081%
48	6.532	6.529	6.575	VV	279	6173	0.10%	0.026%
49	6.587	6.575	6.600	VV	306	3283	0.05%	0.014%
50	6.697	6.600	6.725	VV	1831	37422	0.60%	0.160%
51	6.736	6.725	6.759	VV	548	8045	0.13%	0.034%
52	6.784	6.759	6.803	VV	1743	23570	0.37%	0.101%
53	6.819	6.803	6.835	VV	1126	14060	0.22%	0.060%
54	6.851	6.835	6.871	VV	3065	34677	0.55%	0.148%
55	6.885	6.871	6.907	VV	1017	11861	0.19%	0.051%
56	6.926	6.907	6.945	VV	1593	18450	0.29%	0.079%
57	6.960	6.945	6.998	VV	400	7512	0.12%	0.032%
58	7.030	6.998	7.058	VV	526	8429	0.13%	0.036%
59	7.081	7.058	7.122	VV	548	10042	0.16%	0.043%
60	7.153	7.122	7.187	VV	1575	21096	0.34%	0.090%
61	7.207	7.187	7.224	VV	2171	30084	0.48%	0.129%
62	7.251	7.224	7.309	VV	2725	71465	1.14%	0.305%
63	7.337	7.309	7.367	VV	3375	46747	0.74%	0.200%
64	7.384	7.367	7.404	VV	954	12260	0.19%	0.052%
65	7.419	7.404	7.430	VV	509	6298	0.10%	0.027%
66	7.446	7.430	7.466	VV	612	7623	0.12%	0.033%
67	7.503	7.466	7.546	VV	5582	68417	1.09%	0.292%
68	7.565	7.546	7.576	VV	935	11229	0.18%	0.048%
69	7.583	7.576	7.600	VV	846	9941	0.16%	0.042%
70	7.613	7.600	7.626	VV	1179	12718	0.20%	0.054%
71	7.646	7.626	7.668	VV	1442	21221	0.34%	0.091%
72	7.683	7.668	7.696	VV	749	9387	0.15%	0.040%
73	7.712	7.696	7.725	VV	1014	12750	0.20%	0.054%
74	7.740	7.725	7.785	VV	1555	19242	0.31%	0.082%
75	7.809	7.785	7.836	VV	403	7428	0.12%	0.032%
76	7.857	7.836	7.877	VV	317	5289	0.08%	0.023%
77	7.882	7.877	7.890	VV	300	2218	0.04%	0.009%
78	7.913	7.890	7.932	VV	2509	30357	0.48%	0.130%
79	7.961	7.932	8.092	VV	482788	5443612	86.57%	23.266%
80	8.103	8.092	8.159	VV	2453	60786	0.97%	0.260%
81	8.178	8.159	8.204	VV	1008	22290	0.35%	0.095%
82	8.224	8.204	8.275	VV	1618	34167	0.54%	0.146%
83	8.280	8.275	8.298	VV	654	7147	0.11%	0.031%
84	8.317	8.298	8.343	VV	853	16449	0.26%	0.070%
85	8.351	8.343	8.399	VV	477	11523	0.18%	0.049%
86	8.436	8.399	8.454	VV	636	15094	0.24%	0.065%
87	8.470	8.454	8.489	VV	572	9800	0.16%	0.042%
88	8.507	8.489	8.512	VV	545	6417	0.10%	0.027%
89	8.533	8.512	8.555	VV	1964	28182	0.45%	0.120%

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90	8.564	8.555	8.570	VV	726	6007	0.10%	0.026%
91	8.594	8.570	8.670	VV	34389	512198	8.15%	2.189%
92	8.674	8.670	8.710	VV	1573	28297	0.45%	0.121%
93	8.728	8.710	8.750	VV	1193	21115	0.34%	0.090%
94	8.767	8.750	8.805	VV	1318	21209	0.34%	0.091%
95	8.839	8.805	8.955	VV	228154	3020223	48.03%	12.908%
96	8.965	8.955	8.980	VV	2677	36923	0.59%	0.158%
97	8.993	8.980	9.012	VV	2410	40158	0.64%	0.172%
98	9.028	9.012	9.039	VV	1957	27951	0.44%	0.119%
99	9.050	9.039	9.061	VV	1955	23404	0.37%	0.100%
100	9.078	9.061	9.125	VV	2157	60506	0.96%	0.259%
101	9.140	9.125	9.170	VV	1447	25551	0.41%	0.109%
102	9.193	9.170	9.218	VV	1115	22729	0.36%	0.097%
103	9.263	9.218	9.331	VV	87938	1020050	16.22%	4.360%
104	9.344	9.331	9.353	VV	1866	23035	0.37%	0.098%
105	9.377	9.353	9.409	VV	4544	82995	1.32%	0.355%
106	9.424	9.409	9.435	VV	1005	13745	0.22%	0.059%
107	9.449	9.435	9.476	VV	1426	22716	0.36%	0.097%
108	9.499	9.476	9.535	VV	868	17960	0.29%	0.077%
109	9.554	9.535	9.567	VV	546	8941	0.14%	0.038%
110	9.586	9.567	9.624	VV	802	18141	0.29%	0.078%
111	9.649	9.624	9.704	VV	921	24929	0.40%	0.107%
112	9.730	9.704	9.795	VV	1699	42444	0.68%	0.181%
113	9.810	9.795	9.850	VV	542	11873	0.19%	0.051%
114	9.871	9.850	9.898	VV	800	10642	0.17%	0.045%
115	9.934	9.915	9.945	VV	414	4479	0.07%	0.019%
116	9.948	9.945	9.955	VV	312	1644	0.03%	0.007%
117	9.979	9.955	10.005	VV	2761	34099	0.54%	0.146%
118	10.018	10.014	10.031	VV	215	1552	0.02%	0.007%
119	10.068	10.031	10.085	VV	426	8121	0.13%	0.035%
120	10.090	10.085	10.096	VV	301	1632	0.03%	0.007%
121	10.103	10.096	10.129	VV	278	3740	0.06%	0.016%
122	10.147	10.129	10.185	VV	1058	14152	0.23%	0.060%
123	10.225	10.185	10.234	PV	572	8814	0.14%	0.038%
124	10.257	10.234	10.284	VV	751	16444	0.26%	0.070%
125	10.298	10.284	10.310	VV	371	4960	0.08%	0.021%
126	10.316	10.310	10.335	VV	335	3891	0.06%	0.017%
127	10.358	10.335	10.391	VV	444	8272	0.13%	0.035%
128	10.395	10.391	10.410	VV	227	1948	0.03%	0.008%
129	10.423	10.410	10.441	VV	339	4288	0.07%	0.018%
130	10.470	10.441	10.507	VV	910	19662	0.31%	0.084%
131	10.527	10.507	10.532	VV	462	5681	0.09%	0.024%
132	10.542	10.532	10.558	VV	699	8237	0.13%	0.035%
133	10.574	10.558	10.596	VV	690	11244	0.18%	0.048%
134	10.627	10.596	10.645	VV	540	12117	0.19%	0.052%
135	10.664	10.645	10.692	VV	1119	15347	0.24%	0.066%
136	10.701	10.692	10.720	VV	319	4318	0.07%	0.018%
137	10.751	10.720	10.763	VV	863	13584	0.22%	0.058%
138	10.775	10.763	10.800	VV	799	14495	0.23%	0.062%
139	10.821	10.800	10.867	VV	1164	38373	0.61%	0.164%
140	10.888	10.867	10.924	VV	1414	35123	0.56%	0.150%
141	10.944	10.924	10.959	VV	973	14337	0.23%	0.061%

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142	10.974	10.959	10.988	VV	667	10162	0.16%	0.043%
143	11.016	10.988	11.044	VV	2522	42360	0.67%	0.181%
144	11.050	11.044	11.062	VV	482	4814	0.08%	0.021%
145	11.080	11.062	11.089	VV	559	8108	0.13%	0.035%
146	11.106	11.089	11.155	VV	929	22367	0.36%	0.096%
147	11.207	11.155	11.238	VV	769	25511	0.41%	0.109%
148	11.242	11.238	11.246	VV	371	1609	0.03%	0.007%
149	11.257	11.246	11.274	VV	484	7470	0.12%	0.032%
150	11.284	11.274	11.298	VV	602	7293	0.12%	0.031%
151	11.315	11.298	11.333	VV	1255	17569	0.28%	0.075%
152	11.344	11.333	11.361	VV	549	6572	0.10%	0.028%
153	11.378	11.361	11.417	VV	312	6201	0.10%	0.027%
154	11.420	11.417	11.442	VV	110	1056	0.02%	0.005%
155	11.462	11.442	11.494	VV	183	3146	0.05%	0.013%
156	11.526	11.494	11.554	VV	1140	16347	0.26%	0.070%
157	11.595	11.554	11.622	VV	1246	21155	0.34%	0.090%
158	11.673	11.622	11.731	VV	627	23756	0.38%	0.102%
159	11.752	11.731	11.777	VV	1524	19034	0.30%	0.081%
160	11.792	11.777	11.802	VV	282	3120	0.05%	0.013%
161	11.812	11.809	11.820	VV	201	1179	0.02%	0.005%
162	11.827	11.820	11.849	VV	242	2930	0.05%	0.013%
163	11.912	11.864	11.974	PV	558204	6287859	100.00%	26.874%
164	11.983	11.974	12.044	VV	1768	45494	0.72%	0.194%
165	12.074	12.044	12.102	VV	2781	46362	0.74%	0.198%
166	12.111	12.102	12.133	VV	462	7079	0.11%	0.030%
167	12.142	12.133	12.147	VV	427	2725	0.04%	0.012%
168	12.153	12.147	12.170	VV	418	5239	0.08%	0.022%
169	12.190	12.170	12.197	VV	524	7187	0.11%	0.031%
170	12.256	12.197	12.294	VV	1799	51655	0.82%	0.221%
171	12.320	12.294	12.342	VV	6640	94723	1.51%	0.405%
172	12.359	12.342	12.385	VV	3116	46510	0.74%	0.199%
173	12.400	12.385	12.413	VV	805	11520	0.18%	0.049%
174	12.423	12.413	12.447	VV	787	11730	0.19%	0.050%
175	12.482	12.447	12.496	VV	2001	40078	0.64%	0.171%
176	12.520	12.496	12.606	VV	42653	543421	8.64%	2.323%
177	12.612	12.606	12.624	VV	697	7105	0.11%	0.030%
178	12.643	12.624	12.653	VV	756	11963	0.19%	0.051%
179	12.670	12.653	12.714	VV	781	25174	0.40%	0.108%
180	12.767	12.714	12.800	VV	5896	100097	1.59%	0.428%
181	12.803	12.800	12.818	VV	324	3030	0.05%	0.013%
182	12.845	12.818	12.885	VV	1105	20936	0.33%	0.089%
183	12.908	12.885	12.937	VV	1714	25227	0.40%	0.108%
184	12.943	12.937	12.949	VV	398	2599	0.04%	0.011%
185	12.972	12.949	13.016	VV	1019	22492	0.36%	0.096%
186	13.032	13.016	13.064	VV	368	7115	0.11%	0.030%
187	13.071	13.064	13.092	VV	158	1864	0.03%	0.008%
188	13.099	13.092	13.131	PV	154	2364	0.04%	0.010%
189	13.189	13.131	13.214	VV	535	17044	0.27%	0.073%
190	13.233	13.214	13.252	VV	392	7234	0.12%	0.031%
191	13.282	13.252	13.321	VV	1013	26814	0.43%	0.115%
192	13.353	13.321	13.441	VV	62093	808512	12.86%	3.456%
193	13.478	13.441	13.499	VV	1032	26017	0.41%	0.111%
194	13.519	13.499	13.531	VV	761	12684	0.20%	0.054%

195	13.537	13.531	13.554	VV	699	8316	0.13%	0.036%
196	13.578	13.554	13.622	VV	4117	68360	1.09%	0.292%
197	13.647	13.622	13.680	VV	609	17658	0.28%	0.075%
198	13.727	13.680	13.732	VV	727	15406	0.25%	0.066%
199	13.752	13.732	13.770	VV	1205	20879	0.33%	0.089%
200	13.794	13.770	13.800	VV	991	15170	0.24%	0.065%
201	13.810	13.800	13.840	VV	967	14960	0.24%	0.064%
202	13.860	13.840	13.882	VV	456	7868	0.13%	0.034%
203	13.905	13.882	13.917	VV	386	6845	0.11%	0.029%
204	13.929	13.917	13.951	VV	525	8617	0.14%	0.037%
205	13.980	13.951	14.000	VV	612	13237	0.21%	0.057%
206	14.022	14.000	14.034	VV	394	6644	0.11%	0.028%
207	14.054	14.034	14.088	VV	868	16325	0.26%	0.070%
208	14.110	14.088	14.192	VV	1466	25540	0.41%	0.109%
209	14.217	14.192	14.254	VV	273	4883	0.08%	0.021%
210	14.268	14.254	14.294	VV	94	1159	0.02%	0.005%
211	14.343	14.294	14.349	PV	174	3168	0.05%	0.014%
212	14.374	14.349	14.396	VV	206	3754	0.06%	0.016%
213	14.403	14.396	14.428	VV	207	2421	0.04%	0.010%
214	14.444	14.428	14.456	VV	284	3072	0.05%	0.013%
215	14.476	14.465	14.487	VV	191	2195	0.03%	0.009%
216	14.495	14.487	14.500	VV	213	1458	0.02%	0.006%
217	14.528	14.500	14.535	VV	478	7714	0.12%	0.033%
218	14.547	14.535	14.590	VV	559	14260	0.23%	0.061%
219	14.597	14.590	14.633	VV	427	8845	0.14%	0.038%
220	14.639	14.633	14.643	VV	322	1677	0.03%	0.007%
221	14.647	14.643	14.657	VV	357	2442	0.04%	0.010%
222	14.674	14.657	14.684	VV	410	5589	0.09%	0.024%
223	14.686	14.684	14.715	VV	342	4408	0.07%	0.019%
224	14.736	14.715	14.747	VV	280	3512	0.06%	0.015%
225	14.775	14.747	14.790	VV	477	9315	0.15%	0.040%
226	14.811	14.790	14.837	VV	594	13439	0.21%	0.057%
227	14.842	14.837	14.867	VV	525	7264	0.12%	0.031%
228	14.879	14.867	14.904	VV	459	6991	0.11%	0.030%
229	14.935	14.904	14.948	VV	375	7470	0.12%	0.032%
230	14.990	14.948	15.010	VV	589	15565	0.25%	0.067%
231	15.024	15.010	15.046	VV	538	8537	0.14%	0.036%
232	15.060	15.046	15.082	VV	440	6557	0.10%	0.028%
233	15.087	15.082	15.125	VV	223	2249	0.04%	0.010%
234	15.219	15.125	15.325	VV	1848	73323	1.17%	0.313%
235	15.342	15.325	15.350	VV	161	1860	0.03%	0.008%
236	15.386	15.350	15.405	VV	540	8697	0.14%	0.037%
237	15.415	15.405	15.473	VV	583	9108	0.14%	0.039%
238	15.483	15.473	15.506	VV	130	1480	0.02%	0.006%
239	15.529	15.506	15.567	PV	266	4977	0.08%	0.021%
240	15.629	15.622	15.657	VV	99	2248	0.04%	0.010%
241	15.705	15.657	15.724	VV	294	7541	0.12%	0.032%
242	15.760	15.724	15.826	VV	1746	33636	0.53%	0.144%
243	15.836	15.826	15.839	VV	157	1007	0.02%	0.004%
244	15.878	15.850	15.914	VV	347	8518	0.14%	0.036%
245	15.931	15.914	15.941	VV	314	4245	0.07%	0.018%
246	15.959	15.941	15.999	VV	358	8713	0.14%	0.037%

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247	16.007	15.999	16.016	VV	184	1673	0.03%	0.007%
248	16.060	16.016	16.078	VV	438	11964	0.19%	0.051%
249	16.095	16.078	16.125	VV	507	10856	0.17%	0.046%
250	16.135	16.125	16.169	VV	332	5339	0.08%	0.023%
251	16.204	16.180	16.219	VV	465	6832	0.11%	0.029%
252	16.243	16.219	16.264	VV	1163	19534	0.31%	0.083%
253	16.290	16.264	16.346	VV	532	13656	0.22%	0.058%
254	16.384	16.357	16.399	VV	173	2882	0.05%	0.012%
255	16.456	16.437	16.482	VV	187	2267	0.04%	0.010%
256	16.502	16.493	16.518	VV	114	1322	0.02%	0.006%
257	16.555	16.518	16.575	VV	136	2282	0.04%	0.010%
258	16.624	16.575	16.650	VV	240	6018	0.10%	0.026%
259	16.755	16.650	16.763	VV	1099	25680	0.41%	0.110%
260	16.809	16.763	16.862	VV	2276	73384	1.17%	0.314%
261	16.892	16.862	16.915	VV	614	17935	0.29%	0.077%
262	16.943	16.915	17.010	VV	586	25015	0.40%	0.107%
263	17.084	17.010	17.109	VV	458	23121	0.37%	0.099%
264	17.143	17.109	17.176	VV	1574	47392	0.75%	0.203%
265	17.193	17.176	17.224	VV	1586	30660	0.49%	0.131%
266	17.243	17.224	17.283	VV	677	17227	0.27%	0.074%
267	17.301	17.283	17.335	VV	387	9231	0.15%	0.039%
268	17.340	17.335	17.409	VV	257	6531	0.10%	0.028%
269	17.484	17.445	17.509	VV	200	4325	0.07%	0.018%
270	17.538	17.509	17.551	VV	182	3321	0.05%	0.014%
271	17.647	17.551	17.691	VV	585	16189	0.26%	0.069%
272	17.741	17.691	17.774	VV	295	8888	0.14%	0.038%
273	17.786	17.774	17.810	VV	209	2556	0.04%	0.011%
274	17.895	17.810	17.909	VV	321	11454	0.18%	0.049%
275	17.916	17.909	17.934	VV	252	3539	0.06%	0.015%
276	17.942	17.934	17.965	VV	237	3648	0.06%	0.016%
277	18.082	17.965	18.139	VV	1762	47477	0.76%	0.203%
278	18.251	18.139	18.310	VV	272	15626	0.25%	0.067%
279	18.367	18.310	18.382	PV	153	3061	0.05%	0.013%
280	18.493	18.382	18.507	PV	12381	188990	3.01%	0.808%
281	18.526	18.507	18.705	VV	16255	562548	8.95%	2.404%
282	18.743	18.705	18.871	VV	9812	327445	5.21%	1.400%
283	18.917	18.871	19.000	VBA	2395	50673	0.81%	0.217%
			Sum of corrected areas:			23397165		

Aromatic EPH 031725.M Wed Apr 02 02:30:12 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 16:48	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	1	0.15	1.07	mg/kg	FC068433.D
Aliphatic C12-C16	Aliphatic C12-C16	0.99		1	0.12	0.71	mg/kg	FC068433.D
Aliphatic C16-C21	Aliphatic C16-C21	0.49	J	1	0.14	1.07	mg/kg	FC068433.D
Aliphatic C21-C28	Aliphatic C21-C28	0.98	J	1	0.57	1.42	mg/kg	FC068433.D
Aliphatic C28-C40	Aliphatic C28-C40	1.74	J	1	1.26	2.14	mg/kg	FC068433.D
Aromatic C10-C12	Aromatic C10-C12	0.64	J	1	0.13	0.71	mg/kg	FG015581.D
Aromatic C12-C16	Aromatic C12-C16	4.06		1	0.25	1.07	mg/kg	FG015581.D
Aromatic C16-C21	Aromatic C16-C21	2.67		1	0.43	1.78	mg/kg	FG015581.D
Aromatic C21-C36	Aromatic C21-C36	1.27	U	1	1.27	2.85	mg/kg	FG015581.D
Total AliphaticEPH	Total AliphaticEPH	4.61	J		2.23	6.41	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.37			2.07	6.41	mg/kg	
Total EPH	Total EPH	12.0	J		4.30	12.8	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068433.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.42	J	0.15	1.07	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.99		0.12	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.49	J	0.14	1.07	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.98	J	0.57	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.74	J	1.26	2.14	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-09	Acq On:	28 Mar 2025 16:48
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP/AJ
Data file:	FC068433.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	945621	5.826	300	ug/ml
Aliphatic C12-C16	6.361	9.742	2339416	13.909	200	ug/ml
Aliphatic C16-C21	9.743	13.094	1178746	6.873	300	ug/ml
Aliphatic C21-C28	13.095	16.746	2315792	13.713	400	ug/ml
Aliphatic C28-C40	16.747	21.538	3329027	24.447	600	ug/ml
Aliphatic EPH	3.100	21.538	10108602	64.768		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	4654577	31.22		ug/ml
Aliphatic C9-C28	3.100	16.746	6779575	40.321	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068433.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:48
Operator : YP/AJ
Sample : Q1664-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-002-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	4654577	31.223 ug/ml
Spiked Amount 50.000		Recovery = 62.45%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

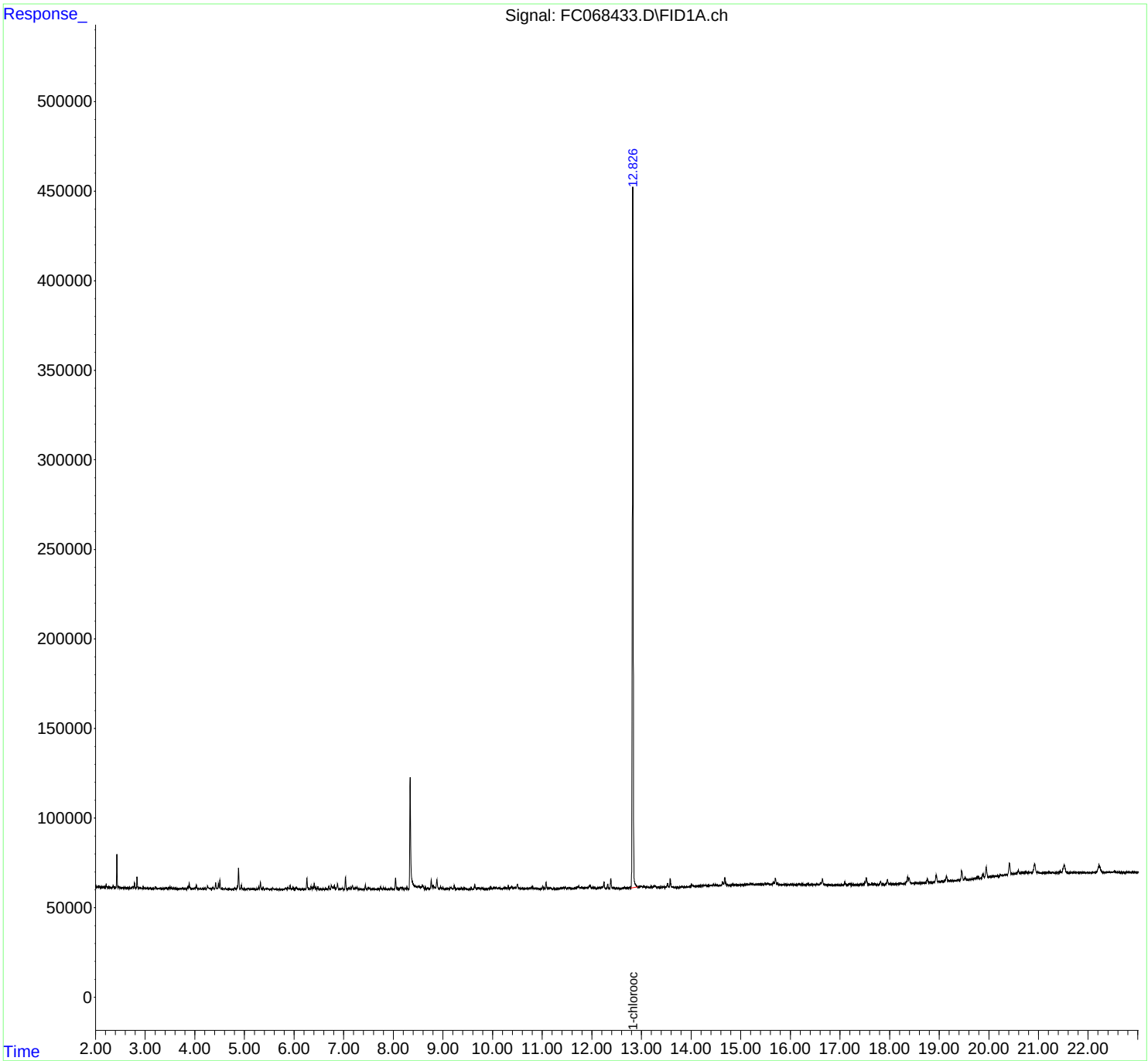
Quantitation Report (QT Reviewed)

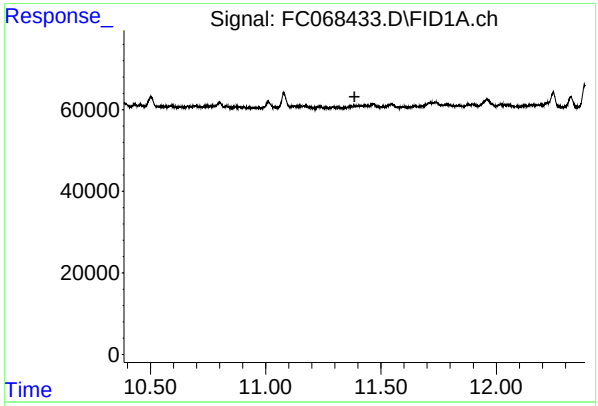
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068433.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:48
Operator : YP/AJ
Sample : Q1664-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-002-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

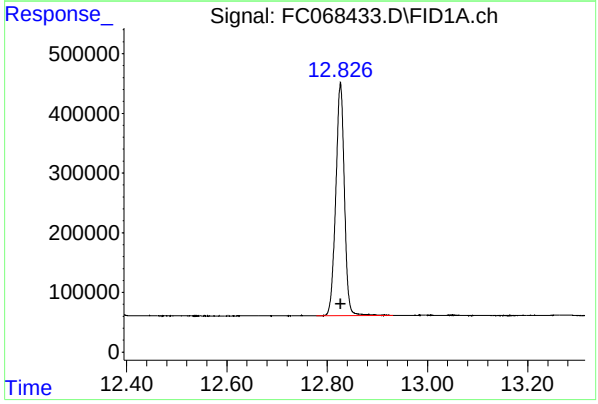




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-002-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 4654577
Conc: 31.22 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068433.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:48
Sample : Q1664-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.357	2.305	2.401	BV	1185	10584	0.22%	0.069%
2	2.430	2.401	2.456	PV	18398	144313	3.06%	0.946%
3	2.470	2.456	2.488	VV	822	7821	0.17%	0.051%
4	2.494	2.488	2.506	VV	239	1483	0.03%	0.010%
5	2.522	2.506	2.541	VV	166	1953	0.04%	0.013%
6	2.555	2.541	2.578	VV	238	3217	0.07%	0.021%
7	2.590	2.578	2.619	VV	681	6278	0.13%	0.041%
8	2.658	2.619	2.688	VV	199	3238	0.07%	0.021%
9	2.698	2.688	2.705	PV	71	423	0.01%	0.003%
10	2.752	2.705	2.771	VV	754	13292	0.28%	0.087%
11	2.785	2.771	2.808	VV	3154	27162	0.58%	0.178%
12	2.835	2.808	2.900	VV	6428	63078	1.34%	0.413%
13	2.911	2.900	2.934	VV	294	3362	0.07%	0.022%
14	2.958	2.934	3.080	VV	635	14271	0.30%	0.094%
15	3.094	3.080	3.105	VV	124	1383	0.03%	0.009%
16	3.132	3.105	3.142	PV	90	1468	0.03%	0.010%
17	3.157	3.142	3.188	VV	135	2799	0.06%	0.018%
18	3.203	3.188	3.236	VV	1059	11743	0.25%	0.077%
19	3.243	3.236	3.252	VV	130	987	0.02%	0.006%
20	3.259	3.252	3.291	VV	106	1965	0.04%	0.013%
21	3.299	3.291	3.315	VV	125	1154	0.02%	0.008%
22	3.322	3.315	3.344	VV	109	1440	0.03%	0.009%
23	3.358	3.344	3.366	VV	170	1134	0.02%	0.007%
24	3.378	3.366	3.387	VV	147	1273	0.03%	0.008%
25	3.402	3.387	3.445	VV	277	5250	0.11%	0.034%
26	3.493	3.445	3.508	VV	699	12364	0.26%	0.081%
27	3.520	3.508	3.553	VV	877	9537	0.20%	0.063%
28	3.567	3.553	3.598	VV	442	6091	0.13%	0.040%
29	3.607	3.598	3.650	VV	116	2632	0.06%	0.017%
30	3.672	3.650	3.678	VV	133	1428	0.03%	0.009%
31	3.697	3.678	3.724	VV	235	4383	0.09%	0.029%
32	3.735	3.724	3.765	VV	225	4192	0.09%	0.027%
33	3.775	3.765	3.824	VV	232	4651	0.10%	0.030%
34	3.860	3.824	3.871	PV	1284	14020	0.30%	0.092%
35	3.887	3.871	3.925	VV	3388	37431	0.79%	0.245%
36	3.953	3.925	3.984	VV	468	7983	0.17%	0.052%

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37	4.033	3.984	4.064	VV	2464	34498	0.73%	0.226%
38	4.074	4.064	4.132	VV	261	6161	0.13%	0.040%
39	4.195	4.132	4.231	VV	292	10236	0.22%	0.067%
40	4.257	4.231	4.338	VV	1872	34159	0.72%	0.224%
41	4.367	4.338	4.398	VV	889	14269	0.30%	0.094%
42	4.421	4.398	4.442	VV	3688	39705	0.84%	0.260%
43	4.476	4.442	4.490	VV	3227	38242	0.81%	0.251%
44	4.506	4.490	4.551	VV	5221	56357	1.20%	0.369%
45	4.558	4.551	4.598	VV	227	5032	0.11%	0.033%
46	4.621	4.598	4.675	VV	574	9995	0.21%	0.066%
47	4.693	4.675	4.738	VV	306	4719	0.10%	0.031%
48	4.803	4.738	4.829	PV	715	10327	0.22%	0.068%
49	4.881	4.829	4.918	VV	11761	153768	3.26%	1.008%
50	4.938	4.918	4.975	VV	2399	28941	0.61%	0.190%
51	4.989	4.975	5.017	VV	338	4569	0.10%	0.030%
52	5.072	5.017	5.103	VV	717	13380	0.28%	0.088%
53	5.117	5.103	5.162	VV	185	5639	0.12%	0.037%
54	5.172	5.162	5.221	VV	207	4559	0.10%	0.030%
55	5.249	5.221	5.264	VV	434	5421	0.11%	0.036%
56	5.285	5.264	5.305	VV	1296	16845	0.36%	0.110%
57	5.323	5.305	5.365	VV	4081	47091	1.00%	0.309%
58	5.380	5.365	5.412	VV	1027	12616	0.27%	0.083%
59	5.459	5.412	5.517	VV	481	15626	0.33%	0.102%
60	5.528	5.517	5.545	VV	196	2498	0.05%	0.016%
61	5.573	5.545	5.597	VV	592	9469	0.20%	0.062%
62	5.628	5.597	5.676	VV	397	8844	0.19%	0.058%
63	5.689	5.676	5.716	VV	163	2028	0.04%	0.013%
64	5.736	5.716	5.753	PV	200	2869	0.06%	0.019%
65	5.782	5.753	5.798	VV	234	4337	0.09%	0.028%
66	5.836	5.798	5.861	VV	747	16040	0.34%	0.105%
67	5.879	5.861	5.898	VV	1100	14249	0.30%	0.093%
68	5.920	5.898	5.957	VV	2375	31791	0.67%	0.208%
69	5.982	5.957	6.015	VV	979	14097	0.30%	0.092%
70	6.051	6.015	6.123	VV	977	23450	0.50%	0.154%
71	6.153	6.123	6.165	VV	164	2857	0.06%	0.019%
72	6.178	6.165	6.213	VV	234	3898	0.08%	0.026%
73	6.260	6.213	6.288	VV	6243	73949	1.57%	0.485%
74	6.297	6.288	6.321	VV	526	8257	0.18%	0.054%
75	6.342	6.321	6.360	VV	1821	20908	0.44%	0.137%
76	6.378	6.360	6.390	VV	1084	12401	0.26%	0.081%
77	6.408	6.390	6.428	VV	3412	38925	0.83%	0.255%
78	6.440	6.428	6.460	VV	1148	12842	0.27%	0.084%
79	6.479	6.460	6.517	VV	1731	21036	0.45%	0.138%
80	6.532	6.517	6.561	VV	327	4342	0.09%	0.028%
81	6.582	6.561	6.610	VV	272	5297	0.11%	0.035%
82	6.624	6.610	6.645	VV	265	3879	0.08%	0.025%
83	6.654	6.645	6.676	VV	209	2257	0.05%	0.015%
84	6.699	6.676	6.727	PV	1695	20241	0.43%	0.133%
85	6.752	6.727	6.785	VV	2390	42234	0.90%	0.277%
86	6.801	6.785	6.843	VV	1805	40922	0.87%	0.268%
87	6.877	6.843	6.905	VV	3248	45927	0.97%	0.301%
88	6.916	6.905	6.936	VV	368	4677	0.10%	0.031%
89	6.981	6.936	6.999	VV	666	11531	0.24%	0.076%

90	7.038	6.999	7.075	VV	6961	79039	1.68%	0.518%
91	7.099	7.075	7.131	VV	858	18716	0.40%	0.123%
92	7.145	7.131	7.158	VV	1331	14119	0.30%	0.093%
93	7.178	7.158	7.200	VV	2284	31597	0.67%	0.207%
94	7.214	7.200	7.224	VV	587	6882	0.15%	0.045%
95	7.241	7.224	7.254	VV	1075	14214	0.30%	0.093%
96	7.269	7.254	7.311	VV	1552	19657	0.42%	0.129%
97	7.337	7.311	7.367	VV	320	6091	0.13%	0.040%
98	7.385	7.367	7.407	VV	200	2653	0.06%	0.017%
99	7.438	7.407	7.471	PV	2677	29614	0.63%	0.194%
100	7.492	7.471	7.510	VV	1197	16215	0.34%	0.106%
101	7.520	7.510	7.571	VV	688	14006	0.30%	0.092%
102	7.582	7.571	7.592	VV	407	4017	0.09%	0.026%
103	7.604	7.592	7.621	VV	387	5720	0.12%	0.037%
104	7.632	7.621	7.651	VV	280	3675	0.08%	0.024%
105	7.665	7.651	7.678	VV	196	2548	0.05%	0.017%
106	7.700	7.678	7.718	VV	495	5647	0.12%	0.037%
107	7.744	7.718	7.774	PV	1570	18034	0.38%	0.118%
108	7.799	7.774	7.818	VV	1100	12229	0.26%	0.080%
109	7.837	7.818	7.861	VV	475	7429	0.16%	0.049%
110	7.868	7.861	7.891	VV	278	2127	0.05%	0.014%
111	7.899	7.891	7.931	VV	184	2928	0.06%	0.019%
112	7.953	7.931	7.973	VV	732	7997	0.17%	0.052%
113	7.989	7.973	8.020	VV	224	4165	0.09%	0.027%
114	8.046	8.020	8.118	VV	6548	86850	1.84%	0.569%
115	8.143	8.118	8.177	VV	1089	25964	0.55%	0.170%
116	8.195	8.177	8.217	VV	1091	14302	0.30%	0.094%
117	8.239	8.217	8.261	VV	939	11868	0.25%	0.078%
118	8.277	8.261	8.310	VV	1300	13699	0.29%	0.090%
119	8.340	8.310	8.480	VV	62234	950349	20.15%	6.228%
120	8.503	8.480	8.519	VV	1880	35995	0.76%	0.236%
121	8.532	8.519	8.546	VV	1473	20952	0.44%	0.137%
122	8.554	8.546	8.565	VV	1367	14378	0.30%	0.094%
123	8.586	8.565	8.628	VV	2240	54855	1.16%	0.360%
124	8.645	8.628	8.671	VV	1190	17996	0.38%	0.118%
125	8.695	8.671	8.721	VV	953	15911	0.34%	0.104%
126	8.766	8.721	8.785	VV	5417	72448	1.54%	0.475%
127	8.801	8.785	8.848	VV	2387	55219	1.17%	0.362%
128	8.879	8.848	8.931	VV	5402	96593	2.05%	0.633%
129	8.952	8.931	8.977	VV	1472	20351	0.43%	0.133%
130	9.001	8.977	9.034	VV	979	15356	0.33%	0.101%
131	9.081	9.034	9.095	VV	626	14766	0.31%	0.097%
132	9.103	9.095	9.123	VV	443	6013	0.13%	0.039%
133	9.165	9.123	9.204	VV	1092	29496	0.63%	0.193%
134	9.228	9.204	9.268	VV	2200	34326	0.73%	0.225%
135	9.301	9.268	9.321	VV	474	10753	0.23%	0.070%
136	9.328	9.321	9.348	VV	387	4330	0.09%	0.028%
137	9.370	9.348	9.403	VV	1060	15437	0.33%	0.101%
138	9.423	9.403	9.501	VV	939	20234	0.43%	0.133%
139	9.508	9.501	9.539	VV	175	2098	0.04%	0.014%
140	9.565	9.539	9.591	PV	648	10606	0.22%	0.070%
141	9.603	9.591	9.618	VV	289	3654	0.08%	0.024%

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142	9.643	9.618	9.693	VV	2771	43947	0.93%	0.288%
143	9.715	9.693	9.768	VV	767	24840	0.53%	0.163%
144	9.790	9.768	9.805	VV	499	8036	0.17%	0.053%
145	9.812	9.805	9.861	VV	419	6598	0.14%	0.043%
146	9.917	9.861	9.931	VV	542	10930	0.23%	0.072%
147	9.958	9.931	9.979	VV	971	17214	0.37%	0.113%
148	9.988	9.979	10.001	VV	523	5311	0.11%	0.035%
149	10.035	10.001	10.051	VV	1025	21434	0.45%	0.140%
150	10.071	10.051	10.091	VV	952	16801	0.36%	0.110%
151	10.116	10.091	10.138	VV	742	16236	0.34%	0.106%
152	10.148	10.138	10.173	VV	688	9744	0.21%	0.064%
153	10.238	10.173	10.254	VV	1082	25316	0.54%	0.166%
154	10.269	10.254	10.291	VV	904	15702	0.33%	0.103%
155	10.317	10.291	10.340	VV	1259	24612	0.52%	0.161%
156	10.383	10.340	10.413	VV	1332	38806	0.82%	0.254%
157	10.432	10.413	10.445	VV	1086	15142	0.32%	0.099%
158	10.458	10.445	10.475	VV	963	14060	0.30%	0.092%
159	10.503	10.475	10.565	VV	2804	60515	1.28%	0.397%
160	10.591	10.565	10.618	VV	723	15685	0.33%	0.103%
161	10.632	10.618	10.647	VV	407	6186	0.13%	0.041%
162	10.661	10.647	10.678	VV	544	8366	0.18%	0.055%
163	10.698	10.678	10.725	VV	620	14054	0.30%	0.092%
164	10.744	10.725	10.754	VV	578	8734	0.19%	0.057%
165	10.800	10.754	10.820	VV	1500	31412	0.67%	0.206%
166	10.830	10.820	10.855	VV	667	7879	0.17%	0.052%
167	10.883	10.855	10.925	VV	384	11311	0.24%	0.074%
168	10.970	10.925	10.979	VV	186	4788	0.10%	0.031%
169	11.012	10.979	11.047	VV	1682	26464	0.56%	0.173%
170	11.079	11.047	11.108	VV	3829	54952	1.17%	0.360%
171	11.135	11.108	11.214	VV	558	26560	0.56%	0.174%
172	11.233	11.214	11.255	VV	371	5918	0.13%	0.039%
173	11.264	11.255	11.273	VV	186	1534	0.03%	0.010%
174	11.303	11.273	11.337	VV	257	6912	0.15%	0.045%
175	11.396	11.337	11.406	PV	589	15450	0.33%	0.101%
176	11.434	11.406	11.447	VV	680	14690	0.31%	0.096%
177	11.466	11.447	11.501	VV	1108	21386	0.45%	0.140%
178	11.509	11.501	11.516	VV	417	3551	0.08%	0.023%
179	11.547	11.516	11.615	VV	912	26344	0.56%	0.173%
180	11.652	11.615	11.665	VV	481	10482	0.22%	0.069%
181	11.737	11.665	11.765	VV	1422	56096	1.19%	0.368%
182	11.785	11.765	11.815	VV	823	20488	0.43%	0.134%
183	11.837	11.815	11.858	VV	605	13304	0.28%	0.087%
184	11.879	11.858	11.891	VV	892	13148	0.28%	0.086%
185	11.899	11.891	11.921	VV	859	12081	0.26%	0.079%
186	11.960	11.921	12.001	VV	2124	53726	1.14%	0.352%
187	12.024	12.001	12.100	VV	858	31560	0.67%	0.207%
188	12.124	12.100	12.133	VV	512	7981	0.17%	0.052%
189	12.152	12.133	12.172	VV	680	13755	0.29%	0.090%
190	12.192	12.172	12.203	VV	742	11869	0.25%	0.078%
191	12.247	12.203	12.291	VV	3882	68920	1.46%	0.452%
192	12.323	12.291	12.355	VV	2631	36989	0.78%	0.242%
193	12.383	12.355	12.425	VV	5605	77275	1.64%	0.506%
194	12.446	12.425	12.487	VV	532	12587	0.27%	0.082%

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195	12.518	12.487	12.595	VV	307	9328	0.20%	0.061%
196	12.659	12.595	12.688	PV	525	15092	0.32%	0.099%
197	12.703	12.688	12.723	VV	411	5880	0.12%	0.039%
198	12.750	12.723	12.777	VV	533	11961	0.25%	0.078%
199	12.826	12.777	12.941	VV	390148	4715596	100.00%	30.905%
200	12.955	12.941	12.971	VV	863	14453	0.31%	0.095%
201	12.993	12.971	13.025	VV	1219	31541	0.67%	0.207%
202	13.045	13.025	13.088	VV	1055	31597	0.67%	0.207%
203	13.107	13.088	13.162	VV	768	24942	0.53%	0.163%
204	13.203	13.162	13.225	VV	883	26010	0.55%	0.170%
205	13.278	13.225	13.309	VV	1242	43482	0.92%	0.285%
206	13.335	13.309	13.354	VV	601	12411	0.26%	0.081%
207	13.377	13.354	13.395	VV	555	11059	0.23%	0.072%
208	13.399	13.395	13.404	VV	500	2744	0.06%	0.018%
209	13.432	13.404	13.445	VV	748	14586	0.31%	0.096%
210	13.450	13.445	13.475	VV	748	9622	0.20%	0.063%
211	13.489	13.475	13.498	VV	630	8079	0.17%	0.053%
212	13.526	13.498	13.553	VV	2535	43869	0.93%	0.288%
213	13.579	13.553	13.628	VV	5094	82604	1.75%	0.541%
214	13.633	13.628	13.756	VV	490	23608	0.50%	0.155%
215	13.817	13.756	13.855	VV	628	28184	0.60%	0.185%
216	13.872	13.855	13.892	VV	555	10877	0.23%	0.071%
217	13.904	13.892	13.931	VV	568	11541	0.24%	0.076%
218	14.017	13.931	14.093	VV	1740	79451	1.68%	0.521%
219	14.107	14.093	14.118	VV	752	11296	0.24%	0.074%
220	14.141	14.118	14.177	VV	1203	30737	0.65%	0.201%
221	14.235	14.177	14.248	VV	1101	38971	0.83%	0.255%
222	14.281	14.248	14.368	VV	1264	78212	1.66%	0.513%
223	14.392	14.368	14.409	VV	1297	27508	0.58%	0.180%
224	14.449	14.409	14.473	VV	1370	48427	1.03%	0.317%
225	14.490	14.473	14.514	VV	1446	31224	0.66%	0.205%
226	14.524	14.514	14.565	VV	1127	32308	0.69%	0.212%
227	14.636	14.565	14.656	VV	2986	82870	1.76%	0.543%
228	14.679	14.656	14.772	VV	5267	144253	3.06%	0.945%
229	14.815	14.772	14.830	VV	1098	35345	0.75%	0.232%
230	14.850	14.830	14.898	VV	1366	48996	1.04%	0.321%
231	14.917	14.898	14.963	VV	1225	44703	0.95%	0.293%
232	14.990	14.963	15.008	VV	1272	29757	0.63%	0.195%
233	15.046	15.008	15.061	VV	1220	36883	0.78%	0.242%
234	15.105	15.061	15.155	VV	1444	73621	1.56%	0.482%
235	15.199	15.155	15.226	VV	1889	66125	1.40%	0.433%
236	15.247	15.226	15.301	VV	1590	60789	1.29%	0.398%
237	15.333	15.301	15.348	VV	1465	37032	0.79%	0.243%
238	15.357	15.348	15.368	VV	1389	16719	0.35%	0.110%
239	15.394	15.368	15.445	VV	1473	60225	1.28%	0.395%
240	15.499	15.445	15.536	VV	1707	79973	1.70%	0.524%
241	15.550	15.536	15.627	VV	1682	72740	1.54%	0.477%
242	15.658	15.627	15.676	VV	2598	52469	1.11%	0.344%
243	15.698	15.676	15.731	VV	4632	89601	1.90%	0.587%
244	15.746	15.731	15.835	VV	1464	67297	1.43%	0.441%
245	15.876	15.835	15.905	VV	1189	41926	0.89%	0.275%
246	15.912	15.905	15.938	VV	928	17836	0.38%	0.117%

247	15.947	15.938	15.965	VV	887	13174	0.28%	0.086%
248	15.981	15.965	15.990	VV	907	13065	0.28%	0.086%
249	16.000	15.990	16.031	VV	955	21320	0.45%	0.140%
250	16.039	16.031	16.048	VV	873	8694	0.18%	0.057%
251	16.057	16.048	16.110	VV	896	27808	0.59%	0.182%
252	16.183	16.110	16.228	VV	1379	62959	1.34%	0.413%
253	16.244	16.228	16.310	VV	836	35592	0.75%	0.233%
254	16.363	16.310	16.378	VV	899	32380	0.69%	0.212%
255	16.398	16.378	16.452	VV	909	33064	0.70%	0.217%
256	16.481	16.452	16.499	VV	832	20773	0.44%	0.136%
257	16.505	16.499	16.517	VV	778	7342	0.16%	0.048%
258	16.544	16.517	16.587	VV	974	31505	0.67%	0.206%
259	16.613	16.587	16.625	VV	1801	29010	0.62%	0.190%
260	16.646	16.625	16.721	VV	4018	81056	1.72%	0.531%
261	16.730	16.721	16.747	VV	480	7138	0.15%	0.047%
262	16.755	16.747	16.781	VV	503	7857	0.17%	0.051%
263	16.798	16.781	16.830	VV	438	10625	0.23%	0.070%
264	16.846	16.830	16.850	VV	363	3834	0.08%	0.025%
265	16.859	16.850	16.904	VV	455	7747	0.16%	0.051%
266	16.941	16.904	16.972	VV	444	10192	0.22%	0.067%
267	17.026	16.972	17.064	VV	325	11344	0.24%	0.074%
268	17.097	17.064	17.148	VV	2096	36754	0.78%	0.241%
269	17.201	17.148	17.258	VV	913	30129	0.64%	0.197%
270	17.286	17.258	17.297	VV	359	6535	0.14%	0.043%
271	17.353	17.297	17.391	VV	440	16240	0.34%	0.106%
272	17.410	17.391	17.421	VV	397	5860	0.12%	0.038%
273	17.531	17.421	17.608	VV	4092	108114	2.29%	0.709%
274	17.648	17.608	17.662	VV	629	14664	0.31%	0.096%
275	17.671	17.662	17.770	VV	574	17897	0.38%	0.117%
276	17.819	17.770	17.876	PV	1666	35584	0.75%	0.233%
277	17.955	17.876	17.987	VV	2949	48650	1.03%	0.319%
278	18.013	17.987	18.061	VV	511	12393	0.26%	0.081%
279	18.091	18.061	18.121	VV	293	5892	0.12%	0.039%
280	18.159	18.121	18.174	VV	177	3563	0.08%	0.023%
281	18.221	18.174	18.262	VV	427	13256	0.28%	0.087%
282	18.292	18.262	18.305	VV	197	4224	0.09%	0.028%
283	18.362	18.305	18.380	VV	3858	74961	1.59%	0.491%
284	18.395	18.380	18.461	VV	3110	56609	1.20%	0.371%
285	18.485	18.461	18.516	VV	363	6964	0.15%	0.046%
286	18.531	18.516	18.582	VV	278	5952	0.13%	0.039%
287	18.615	18.582	18.646	VV	230	4452	0.09%	0.029%
288	18.661	18.646	18.684	VV	83	1283	0.03%	0.008%
289	18.760	18.684	18.795	PV	2178	38104	0.81%	0.250%
290	18.825	18.795	18.864	VV	209	5957	0.13%	0.039%
291	18.940	18.864	18.981	VV	4123	79861	1.69%	0.523%
292	19.009	18.981	19.033	VV	382	8531	0.18%	0.056%
293	19.145	19.033	19.224	VV	3106	85083	1.80%	0.558%
294	19.248	19.224	19.286	VV	369	9784	0.21%	0.064%
295	19.319	19.286	19.337	VV	308	7856	0.17%	0.051%
296	19.387	19.337	19.405	VV	491	14267	0.30%	0.094%
297	19.455	19.405	19.488	VV	5014	102012	2.16%	0.669%
298	19.522	19.488	19.588	VV	1533	42659	0.90%	0.280%
299	19.595	19.588	19.603	VV	404	3413	0.07%	0.022%

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300	19.662	19.603	19.674	VV	659	23023	0.49%	0.151%
301	19.706	19.674	19.718	VV	817	18013	0.38%	0.118%
302	19.779	19.718	19.827	VV	1458	65252	1.38%	0.428%
303	19.884	19.827	19.908	VV	2877	77507	1.64%	0.508%
304	19.946	19.908	20.001	VV	6681	162319	3.44%	1.064%
305	20.012	20.001	20.021	VV	1165	13887	0.29%	0.091%
306	20.095	20.021	20.104	VV	1365	61115	1.30%	0.401%
307	20.165	20.104	20.182	VV	1430	62304	1.32%	0.408%
308	20.238	20.182	20.268	VV	2222	84679	1.80%	0.555%
309	20.282	20.268	20.290	VV	1692	21264	0.45%	0.139%
310	20.415	20.290	20.484	VV	8302	337537	7.16%	2.212%
311	20.501	20.484	20.514	VV	2114	38021	0.81%	0.249%
312	20.595	20.514	20.645	VV	3364	196981	4.18%	1.291%
313	20.689	20.645	20.707	VV	2545	90724	1.92%	0.595%
314	20.718	20.707	20.724	VV	2466	24931	0.53%	0.163%
315	20.735	20.724	20.761	VV	2533	55191	1.17%	0.362%
316	20.767	20.761	20.785	VV	2499	34364	0.73%	0.225%
317	20.801	20.785	20.824	VV	2455	54524	1.16%	0.357%
318	20.843	20.824	20.867	VV	2297	55602	1.18%	0.364%
319	20.923	20.867	20.970	VV	6982	238809	5.06%	1.565%
320	20.985	20.970	21.088	VV	2134	126880	2.69%	0.832%
321	21.105	21.088	21.127	VV	1680	37305	0.79%	0.244%
322	21.165	21.127	21.180	VV	1688	51620	1.09%	0.338%
323	21.204	21.180	21.282	VV	1786	95019	2.02%	0.623%
324	21.294	21.282	21.321	VV	1469	30832	0.65%	0.202%
325	21.332	21.321	21.345	VV	1245	17359	0.37%	0.114%
326	21.438	21.345	21.464	VV	1780	97292	2.06%	0.638%
327	21.517	21.464	21.595	VV	5238	197571	4.19%	1.295%
328	21.644	21.595	21.685	VV	889	44293	0.94%	0.290%
329	21.731	21.685	21.745	VV	687	23305	0.49%	0.153%
330	21.758	21.745	21.813	VV	681	22928	0.49%	0.150%
331	21.825	21.813	21.876	VV	488	16064	0.34%	0.105%
332	21.887	21.876	21.921	VV	460	8886	0.19%	0.058%
333	21.953	21.921	21.987	VV	353	10657	0.23%	0.070%
334	22.039	21.987	22.065	VV	182	6061	0.13%	0.040%

Sum of corrected areas: 15258260

Aliphatic EPH 032625.M Sat Mar 29 02:52:08 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015581.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.64	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16		4.06		0.25	1.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21		2.67		0.43	1.78	mg/kg
Aromatic C21-C36	Aromatic C21-C36		1.27	U	1.27	2.85	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		49.7		40 - 140	99%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		23.3		40 - 140	46%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-09	Acq On:	28 Mar 2025 20:24
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP\AJ
Data file:	FG015581.D	Misc:	
Instrument:	FID_G	ALS Vial:	79
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1206931	9.007	200	ug/ml
Aromatic C12-C16	6.330	9.039	7817661	57	300	ug/ml
Aromatic C16-C21	9.040	13.371	5230452	37.518	500	ug/ml
Aromatic C21-C36	13.372	18.837	2088001	16.038	800	ug/ml
Aromatic EPH	4.449	18.837	16343045	119.563		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	6074548	49.73		ug/ml
2-Flurobiphenyl (SURR)	8.842	8.842	3269260	39.55		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	3390112	23.25		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015581.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:24
Operator : YP\AJ
Sample : Q1664-09
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:15:08 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...	7.964	6074548	49.728 ug/ml
Spiked Amount 50.000		Recovery =	99.46%
6) S 2-Flurobiphenyl (SURR)	8.842	3269260	39.552 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	79.10%
11) S ortho-Terphenyl (SURR)	11.913	3390112	23.247 ug/ml
Spiked Amount 50.000		Recovery =	46.49%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

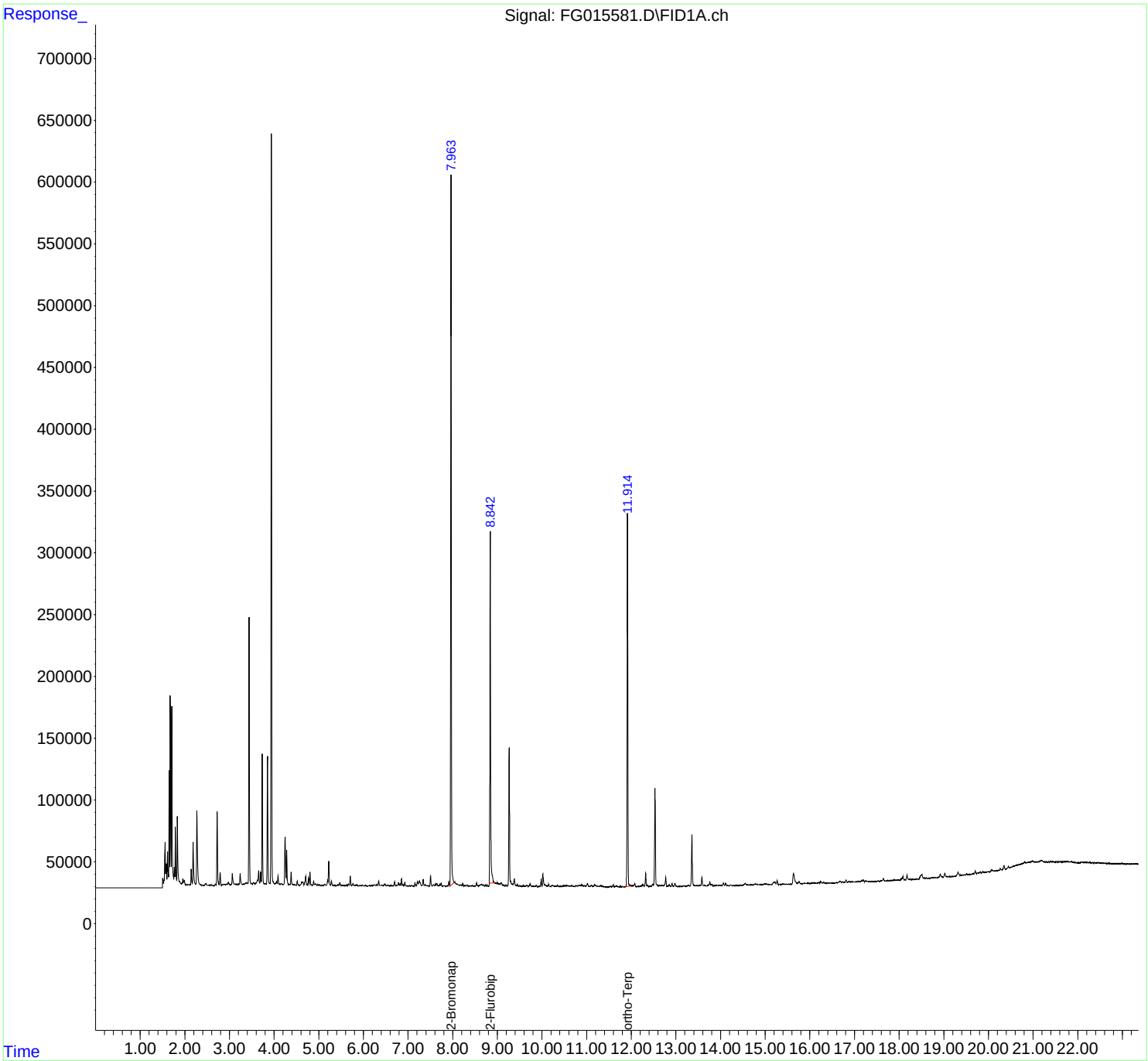
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015581.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:24
Operator : YP\AJ
Sample : Q1664-09
Misc :
ALS Vial : 79 Sample Multiplier: 1

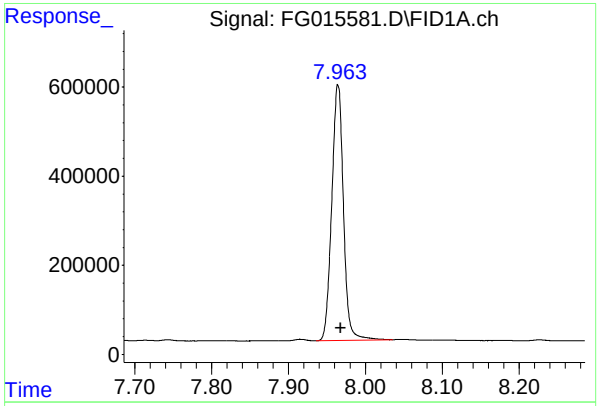
Integration File: autoint1.e
Quant Time: Mar 29 03:15:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





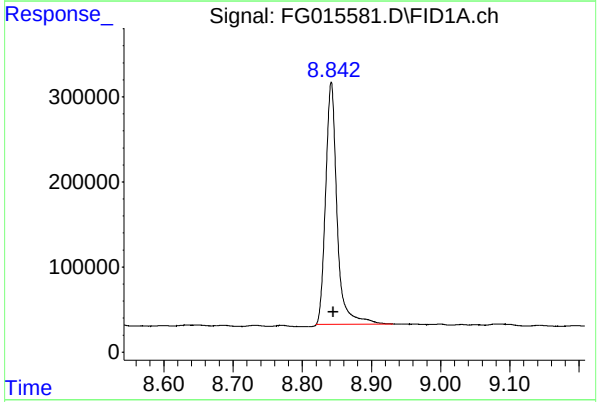
#4 2-Bromonaphthalene (SURR)

R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 6074548
Conc: 49.73 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

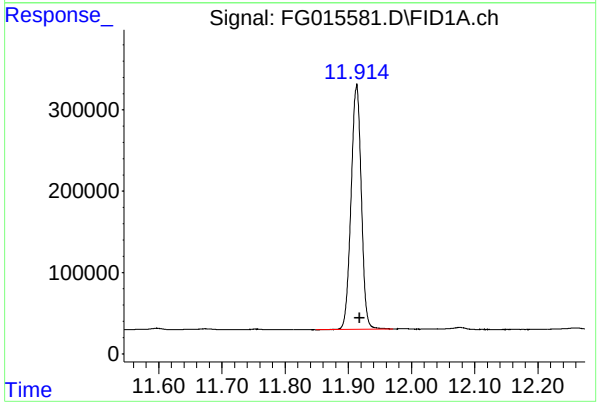
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 3269260
Conc: 39.55 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.005 min
Response: 3390112
Conc: 23.25 ug/ml

rteres

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03282
Data File : FG015581.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:24
Sample : Q1664-09
Misc :
ALS Vial : 79 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	4.381	4.362	4.434	PV	10348	107967	1.75%	0.460%
2	4.445	4.434	4.450	VV	282	2429	0.04%	0.010%
3	4.462	4.450	4.482	VV	526	5552	0.09%	0.024%
4	4.519	4.496	4.572	VV	3428	41357	0.67%	0.176%
5	4.617	4.572	4.633	PV	2692	42676	0.69%	0.182%
6	4.646	4.633	4.668	VV	2543	34863	0.56%	0.149%
7	4.707	4.668	4.730	VV	7345	111375	1.80%	0.475%
8	4.742	4.730	4.751	VV	694	7199	0.12%	0.031%
9	4.771	4.751	4.787	VV	6005	65592	1.06%	0.280%
10	4.805	4.787	4.860	VV	10898	121546	1.97%	0.518%
11	4.886	4.860	4.916	VV	3446	46081	0.75%	0.196%
12	4.932	4.916	4.962	VV	1499	20832	0.34%	0.089%
13	4.979	4.962	4.997	VV	724	8772	0.14%	0.037%
14	5.013	4.997	5.045	VV	867	10871	0.18%	0.046%
15	5.074	5.059	5.086	VV	226	2590	0.04%	0.011%
16	5.108	5.086	5.116	VV	305	3780	0.06%	0.016%
17	5.137	5.116	5.167	VV	1117	18158	0.29%	0.077%
18	5.199	5.167	5.207	VV	4396	46412	0.75%	0.198%
19	5.224	5.207	5.263	VV	19706	245995	3.98%	1.049%
20	5.286	5.263	5.315	VV	3865	45176	0.73%	0.193%
21	5.345	5.325	5.389	VV	368	5832	0.09%	0.025%
22	5.406	5.389	5.416	VV	213	1734	0.03%	0.007%
23	5.433	5.416	5.450	VV	1111	11395	0.18%	0.049%
24	5.471	5.450	5.517	VV	2488	38734	0.63%	0.165%
25	5.526	5.517	5.592	VV	311	9038	0.15%	0.039%
26	5.625	5.592	5.643	PV	611	8116	0.13%	0.035%
27	5.663	5.643	5.687	VV	1629	20953	0.34%	0.089%
28	5.707	5.687	5.733	VV	7862	87054	1.41%	0.371%
29	5.742	5.733	5.751	VV	621	5647	0.09%	0.024%
30	5.768	5.751	5.792	VV	1880	22924	0.37%	0.098%
31	5.809	5.792	5.823	VV	523	7133	0.12%	0.030%
32	5.838	5.823	5.847	VV	759	8181	0.13%	0.035%
33	5.856	5.847	5.894	VV	629	9052	0.15%	0.039%
34	5.926	5.894	5.956	VV	455	7582	0.12%	0.032%
35	5.975	5.956	5.997	VV	859	10827	0.18%	0.046%
36	6.012	5.997	6.019	VV	166	1357	0.02%	0.006%

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37	6.040	6.019	6.091	VV	397	8222	0.13%	0.035%
38	6.181	6.124	6.212	VV	435	15279		
39	6.245	6.212	6.278	VV	1089	26108		
40	6.298	6.278	6.324	VV	1566	22936		
41	6.343	6.324	6.375	VV	4144	49702		
42	6.381	6.375	6.391	VV	361	3316		
43	6.412	6.391	6.441	VV	920	15771	0.26%	0.067%
44	6.483	6.441	6.522	VV	1719	37922	0.61%	0.162%
45	6.543	6.522	6.580	VV	1022	19525	0.32%	0.083%
46	6.585	6.580	6.600	VV	404	3898	0.06%	0.017%
47	6.604	6.600	6.614	VV	331	2420	0.04%	0.010%
48	6.619	6.614	6.629	VV	283	2503	0.04%	0.011%
49	6.635	6.629	6.642	VV	274	1926	0.03%	0.008%
50	6.661	6.642	6.673	VV	332	5144	0.08%	0.022%
51	6.699	6.673	6.729	VV	3346	45081	0.73%	0.192%
52	6.742	6.729	6.764	VV	620	10766	0.17%	0.046%
53	6.786	6.764	6.807	VV	2901	38596	0.63%	0.165%
54	6.822	6.807	6.836	VV	2057	22361	0.36%	0.095%
55	6.854	6.836	6.875	VV	5915	65426	1.06%	0.279%
56	6.888	6.875	6.907	VV	1655	18687	0.30%	0.080%
57	6.929	6.907	6.951	VV	3334	36543	0.59%	0.156%
58	6.956	6.951	6.972	VV	508	4959	0.08%	0.021%
59	6.979	6.972	6.996	VV	314	3261	0.05%	0.014%
60	7.033	6.996	7.053	VV	545	9439	0.15%	0.040%
61	7.082	7.053	7.102	VV	689	11734	0.19%	0.050%
62	7.105	7.102	7.134	VV	309	2844	0.05%	0.012%
63	7.156	7.134	7.191	PV	2732	34050	0.55%	0.145%
64	7.211	7.191	7.228	VV	3937	52619	0.85%	0.224%
65	7.255	7.228	7.270	VV	4635	83877	1.36%	0.358%
66	7.274	7.270	7.309	VV	2986	34800	0.56%	0.148%
67	7.341	7.309	7.368	VV	5498	76538	1.24%	0.326%
68	7.387	7.368	7.414	VV	1592	24103	0.39%	0.103%
69	7.421	7.414	7.426	VV	453	3028	0.05%	0.013%
70	7.447	7.426	7.468	VV	780	11607	0.19%	0.049%
71	7.506	7.468	7.547	VV	8928	106807	1.73%	0.455%
72	7.566	7.547	7.578	VV	1419	16741	0.27%	0.071%
73	7.582	7.578	7.599	VV	1074	10234	0.17%	0.044%
74	7.616	7.599	7.630	VV	2104	22700	0.37%	0.097%
75	7.649	7.630	7.671	VV	2460	35035	0.57%	0.149%
76	7.689	7.671	7.701	VV	1028	13285	0.22%	0.057%
77	7.714	7.701	7.729	VV	1669	20443	0.33%	0.087%
78	7.743	7.729	7.771	VV	2656	30361	0.49%	0.129%
79	7.809	7.771	7.840	VV	627	14064	0.23%	0.060%
80	7.864	7.840	7.875	VV	441	6363	0.10%	0.027%
81	7.881	7.875	7.895	VV	419	4468	0.07%	0.019%
82	7.916	7.895	7.935	VV	3787	43414	0.70%	0.185%
83	7.965	7.935	8.036	VV	576578	6174898	100.00%	26.326%
84	8.048	8.036	8.098	VV	3544	94512	1.53%	0.403%
85	8.106	8.098	8.154	VV	1940	46610	0.75%	0.199%
86	8.181	8.154	8.205	VV	1395	31336	0.51%	0.134%
87	8.226	8.205	8.249	VV	2599	37342	0.60%	0.159%
88	8.260	8.249	8.267	VV	656	6502	0.11%	0.028%
89	8.282	8.267	8.297	VV	668	9651	0.16%	0.041%

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90	8.320	8.297	8.345	VV	1184	22191	0.36%	0.095%
91	8.355	8.345	8.366	VV	456	5182		
92	8.369	8.366	8.386	VV	359	3369		
93	8.391	8.386	8.396	VV	340	1798		
94	8.439	8.396	8.459	VV	782	19016		
95	8.464	8.459	8.473	VV	328	2585		
96	8.479	8.473	8.486	VV	398	2692	0.04%	0.011%
97	8.488	8.486	8.496	VV	419	2023	0.03%	0.009%
98	8.536	8.496	8.556	VV	2829	40028	0.65%	0.171%
99	8.568	8.556	8.579	VV	883	9896	0.16%	0.042%
100	8.600	8.579	8.613	VV	1112	16961	0.27%	0.072%
101	8.635	8.613	8.642	VV	1792	24042	0.39%	0.102%
102	8.648	8.642	8.669	VV	1924	23193	0.38%	0.099%
103	8.685	8.669	8.712	VV	1486	22937	0.37%	0.098%
104	8.731	8.712	8.752	VV	1565	20326	0.33%	0.087%
105	8.771	8.752	8.811	VV	1570	18220	0.30%	0.078%
106	8.842	8.811	8.957	VV	287775	3510298	56.85%	14.966%
107	8.964	8.957	8.981	VV	2925	39926	0.65%	0.170%
108	8.999	8.981	9.017	VV	2873	54290	0.88%	0.231%
109	9.030	9.017	9.041	VV	2559	31774	0.51%	0.135%
110	9.051	9.041	9.064	VV	2365	28604	0.46%	0.122%
111	9.081	9.064	9.124	VV	3149	79110	1.28%	0.337%
112	9.143	9.124	9.177	VV	1607	29969	0.49%	0.128%
113	9.195	9.177	9.220	VV	1309	20928	0.34%	0.089%
114	9.266	9.220	9.316	VV	112947	1273570	20.62%	5.430%
115	9.322	9.316	9.334	VV	2491	23121	0.37%	0.099%
116	9.380	9.334	9.419	VV	6170	140183	2.27%	0.598%
117	9.425	9.419	9.437	VV	1051	10505	0.17%	0.045%
118	9.452	9.437	9.483	VV	1860	27541	0.45%	0.117%
119	9.502	9.483	9.530	VV	1097	15935	0.26%	0.068%
120	9.589	9.530	9.629	VV	1010	26008	0.42%	0.111%
121	9.651	9.629	9.662	VV	1104	13681	0.22%	0.058%
122	9.670	9.662	9.694	VV	1067	12646	0.20%	0.054%
123	9.733	9.694	9.782	VV	2397	45985	0.74%	0.196%
124	9.809	9.782	9.818	VV	506	7700	0.12%	0.033%
125	9.829	9.818	9.852	VV	486	6294	0.10%	0.027%
126	9.873	9.852	9.898	VV	1370	17058	0.28%	0.073%
127	9.941	9.917	9.953	VV	577	6979	0.11%	0.030%
128	9.981	9.953	10.000	VV	6286	71422	1.16%	0.304%
129	10.020	10.000	10.126	VV	10254	202153	3.27%	0.862%
130	10.150	10.126	10.191	VV	2172	32954	0.53%	0.140%
131	10.225	10.191	10.287	VV	1162	38938	0.63%	0.166%
132	10.295	10.287	10.309	VV	567	6280	0.10%	0.027%
133	10.319	10.309	10.336	VV	612	7252	0.12%	0.031%
134	10.352	10.336	10.388	VV	1489	22733	0.37%	0.097%
135	10.427	10.388	10.442	VV	551	10917	0.18%	0.047%
136	10.470	10.442	10.487	VV	1063	18449	0.30%	0.079%
137	10.500	10.487	10.529	VV	986	21114	0.34%	0.090%
138	10.545	10.529	10.561	VV	1210	16775	0.27%	0.072%
139	10.576	10.561	10.601	VV	1193	20921	0.34%	0.089%
140	10.637	10.601	10.648	VV	864	19594	0.32%	0.084%
141	10.667	10.648	10.693	VV	1404	19925	0.32%	0.085%

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142	10.703	10.693	10.723	VV	455	5902	0.10%	0.025%
143	10.752	10.723	10.764	VV	1055	17414		
144	10.777	10.764	10.803	VV	1117	19169		
145	10.825	10.803	10.833	VV	1512	20480		
146	10.839	10.833	10.859	VV	1525	19824		
147	10.889	10.859	10.927	VV	1917	50662		
148	10.946	10.927	10.964	VV	1273	19741	0.32%	0.084%
149	10.973	10.964	10.991	VV	869	11993	0.19%	0.051%
150	11.020	10.991	11.044	VV	2971	51521	0.83%	0.220%
151	11.049	11.044	11.064	VV	581	6393	0.10%	0.027%
152	11.107	11.064	11.144	VV	1591	40145	0.65%	0.171%
153	11.147	11.144	11.152	VV	442	2096	0.03%	0.009%
154	11.178	11.152	11.248	VV	1980	59719	0.97%	0.255%
155	11.261	11.248	11.277	VV	744	10730	0.17%	0.046%
156	11.287	11.277	11.299	VV	731	8881	0.14%	0.038%
157	11.317	11.299	11.335	VV	1526	23606	0.38%	0.101%
158	11.347	11.335	11.366	VV	803	10372	0.17%	0.044%
159	11.381	11.366	11.419	VV	422	8357	0.14%	0.036%
160	11.455	11.442	11.497	VV	146	2900	0.05%	0.012%
161	11.527	11.497	11.548	VV	789	10536	0.17%	0.045%
162	11.597	11.548	11.625	VV	1931	31260	0.51%	0.133%
163	11.646	11.625	11.653	VV	499	6062	0.10%	0.026%
164	11.673	11.653	11.734	VV	1219	25087	0.41%	0.107%
165	11.754	11.734	11.772	VV	928	10263	0.17%	0.044%
166	11.787	11.780	11.806	VV	317	3679	0.06%	0.016%
167	11.811	11.806	11.815	VV	283	1231	0.02%	0.005%
168	11.827	11.815	11.851	VV	286	3580	0.06%	0.015%
169	11.913	11.851	11.972	PV	303507	3429932	55.55%	14.623%
170	11.988	11.972	12.014	VV	1527	27930	0.45%	0.119%
171	12.036	12.014	12.050	VV	1135	21753	0.35%	0.093%
172	12.077	12.050	12.107	VV	2804	50153	0.81%	0.214%
173	12.111	12.107	12.134	VV	423	5291	0.09%	0.023%
174	12.162	12.134	12.180	VV	450	9942	0.16%	0.042%
175	12.204	12.180	12.209	VV	616	8398	0.14%	0.036%
176	12.258	12.209	12.291	VV	2246	57616	0.93%	0.246%
177	12.322	12.291	12.347	VV	11209	147952	2.40%	0.631%
178	12.360	12.347	12.387	VV	1654	23694	0.38%	0.101%
179	12.405	12.387	12.417	VV	790	10703	0.17%	0.046%
180	12.426	12.417	12.451	VV	730	10354	0.17%	0.044%
181	12.479	12.451	12.499	VV	2275	46506	0.75%	0.198%
182	12.531	12.499	12.630	VV	79983	1101072	17.83%	4.694%
183	12.640	12.630	12.659	VV	997	15162	0.25%	0.065%
184	12.683	12.659	12.688	VV	1126	17743	0.29%	0.076%
185	12.690	12.688	12.710	VV	1047	11822	0.19%	0.050%
186	12.721	12.710	12.727	VV	864	8402	0.14%	0.036%
187	12.770	12.727	12.822	VV	7722	128492	2.08%	0.548%
188	12.848	12.822	12.876	VV	1809	30070	0.49%	0.128%
189	12.881	12.876	12.886	VV	284	1669	0.03%	0.007%
190	12.911	12.886	12.935	VV	2909	40503	0.66%	0.173%
191	12.939	12.935	12.950	VV	445	3995	0.06%	0.017%
192	12.977	12.950	13.019	VV	2731	46123	0.75%	0.197%
193	13.023	13.019	13.041	VV	281	2873	0.05%	0.012%
194	13.052	13.041	13.074	VV	284	4115	0.07%	0.018%

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195	13.079	13.074	13.111	VV	174	2396	0.04%	0.010%
196	13.170	13.122	13.181	PV	636	10954		
197	13.191	13.181	13.216	VV	605	10439		
198	13.221	13.216	13.224	VV	384	1785		
199	13.232	13.224	13.249	VV	488	6033		
200	13.277	13.249	13.316	VV	1229	28506		
201	13.357	13.316	13.399	VV	42139	561159	9.09%	2.392%
202	13.404	13.399	13.436	VV	1004	17571	0.28%	0.075%
203	13.459	13.436	13.464	VV	705	11081	0.18%	0.047%
204	13.469	13.464	13.497	VV	710	11938	0.19%	0.051%
205	13.523	13.497	13.536	VV	1041	17658	0.29%	0.075%
206	13.542	13.536	13.556	VV	841	8484	0.14%	0.036%
207	13.579	13.556	13.617	VV	7132	102755	1.66%	0.438%
208	13.646	13.617	13.687	VV	950	23364	0.38%	0.100%
209	13.696	13.687	13.700	VV	425	2885	0.05%	0.012%
210	13.758	13.700	13.782	VV	3728	69686	1.13%	0.297%
211	13.804	13.782	13.844	VV	1256	32958	0.53%	0.141%
212	13.862	13.844	13.889	VV	569	11333	0.18%	0.048%
213	13.903	13.889	13.918	VV	536	7975	0.13%	0.034%
214	13.931	13.918	13.947	VV	637	9198	0.15%	0.039%
215	13.983	13.947	14.003	VV	789	18918	0.31%	0.081%
216	14.064	14.003	14.092	VV	2591	51334	0.83%	0.219%
217	14.113	14.092	14.166	VV	2261	39700	0.64%	0.169%
218	14.171	14.166	14.192	VV	321	3294	0.05%	0.014%
219	14.230	14.192	14.262	VV	943	18581	0.30%	0.079%
220	14.336	14.307	14.342	VV	399	4607	0.07%	0.020%
221	14.345	14.342	14.354	VV	333	1923	0.03%	0.008%
222	14.367	14.354	14.374	VV	349	3651	0.06%	0.016%
223	14.376	14.374	14.402	VV	330	4164	0.07%	0.018%
224	14.411	14.402	14.421	VV	305	2567	0.04%	0.011%
225	14.452	14.421	14.466	VV	449	8279	0.13%	0.035%
226	14.478	14.466	14.485	VV	412	4329	0.07%	0.018%
227	14.551	14.485	14.595	VV	2067	60014	0.97%	0.256%
228	14.604	14.595	14.624	VV	682	9562	0.15%	0.041%
229	14.640	14.624	14.655	VV	543	8825	0.14%	0.038%
230	14.677	14.655	14.701	VV	803	15643	0.25%	0.067%
231	14.704	14.701	14.723	VV	373	4398	0.07%	0.019%
232	14.778	14.723	14.797	VV	1245	33285	0.54%	0.142%
233	14.809	14.797	14.841	VV	846	17935	0.29%	0.076%
234	14.847	14.841	14.862	VV	562	6166	0.10%	0.026%
235	14.867	14.862	14.873	VV	492	3069	0.05%	0.013%
236	14.883	14.873	14.909	VV	523	8778	0.14%	0.037%
237	14.938	14.909	14.947	VV	599	10130	0.16%	0.043%
238	14.960	14.947	14.968	VV	602	7350	0.12%	0.031%
239	14.994	14.968	15.012	VV	908	19062	0.31%	0.081%
240	15.027	15.012	15.044	VV	851	12095	0.20%	0.052%
241	15.053	15.044	15.081	VV	591	9498	0.15%	0.040%
242	15.094	15.081	15.120	VV	356	6470	0.10%	0.028%
243	15.125	15.120	15.135	VV	274	1989	0.03%	0.008%
244	15.194	15.135	15.205	VV	2094	50209	0.81%	0.214%
245	15.217	15.205	15.241	VV	2289	35656	0.58%	0.152%
246	15.265	15.241	15.347	VV	3368	58392	0.95%	0.249%

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247	15.388	15.347	15.414	VV	672	12900	0.21%	0.055%
248	15.421	15.414	15.451	VV	338	3853		
249	15.456	15.451	15.471	VV	208	1568		
250	15.479	15.471	15.503	VV	182	2006		
251	15.525	15.503	15.536	PV	319	3231		
252	15.547	15.536	15.553	VV	217	1515		
253	15.579	15.553	15.584	VV	207	2227	0.04%	0.009%
254	15.634	15.591	15.720	VV	8333	252232	4.08%	1.075%
255	15.759	15.720	15.787	VV	2112	49320	0.80%	0.210%
256	15.793	15.787	15.844	VV	578	12583	0.20%	0.054%
257	15.875	15.844	15.909	VV	605	17152	0.28%	0.073%
258	15.913	15.909	15.920	VV	440	2682	0.04%	0.011%
259	15.926	15.920	15.933	VV	432	3091	0.05%	0.013%
260	15.950	15.933	16.000	VV	674	16261	0.26%	0.069%
261	16.005	16.000	16.008	VV	268	1079	0.02%	0.005%
262	16.063	16.008	16.079	VV	768	19941	0.32%	0.085%
263	16.101	16.079	16.140	VV	678	18079	0.29%	0.077%
264	16.148	16.140	16.154	VV	483	3259	0.05%	0.014%
265	16.161	16.154	16.169	VV	493	3956	0.06%	0.017%
266	16.172	16.169	16.183	VV	472	3320	0.05%	0.014%
267	16.205	16.183	16.225	VV	1081	17669	0.29%	0.075%
268	16.243	16.225	16.274	VV	1774	28381	0.46%	0.121%
269	16.307	16.274	16.349	VV	944	21722	0.35%	0.093%
270	16.379	16.349	16.408	VV	233	4309	0.07%	0.018%
271	16.439	16.408	16.472	VV	270	6482	0.10%	0.028%
272	16.518	16.481	16.527	PV	160	2761	0.04%	0.012%
273	16.536	16.527	16.542	VV	157	1318	0.02%	0.006%
274	16.546	16.542	16.570	VV	166	2085	0.03%	0.009%
275	16.576	16.570	16.592	VV	146	1545	0.03%	0.007%
276	16.597	16.592	16.609	VV	209	1199	0.02%	0.005%
277	16.678	16.609	16.712	VV	1397	42686	0.69%	0.182%
278	16.729	16.712	16.762	VV	855	16813	0.27%	0.072%
279	16.770	16.762	16.776	VV	403	3084	0.05%	0.013%
280	16.810	16.776	16.843	VV	2239	40078	0.65%	0.171%
281	16.871	16.843	16.890	VV	942	18814	0.30%	0.080%
282	16.894	16.890	16.917	VV	620	8231	0.13%	0.035%
283	16.921	16.917	16.925	VV	540	2115	0.03%	0.009%
284	16.948	16.925	16.993	VV	722	20417	0.33%	0.087%
285	16.999	16.993	17.004	VV	383	2416	0.04%	0.010%
286	17.018	17.004	17.026	VV	459	4986	0.08%	0.021%
287	17.045	17.026	17.064	VV	606	11397	0.18%	0.049%
288	17.082	17.064	17.086	VV	599	6640	0.11%	0.028%
289	17.092	17.086	17.103	VV	510	4778	0.08%	0.020%
290	17.125	17.103	17.140	VV	596	11725	0.19%	0.050%
291	17.163	17.140	17.177	VV	1129	19246	0.31%	0.082%
292	17.197	17.177	17.227	VV	1941	33274	0.54%	0.142%
293	17.244	17.227	17.261	VV	935	14374	0.23%	0.061%
294	17.273	17.261	17.326	VV	620	15782	0.26%	0.067%
295	17.357	17.335	17.362	VV	226	2880	0.05%	0.012%
296	17.381	17.362	17.408	VV	283	5132	0.08%	0.022%
297	17.430	17.408	17.440	PV	208	2392	0.04%	0.010%
298	17.533	17.504	17.564	VV	512	9442	0.15%	0.040%
299	17.646	17.575	17.688	VV	1766	40487	0.66%	0.173%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

					rteres			
300	17.737	17.688	17.756	VV	450	8928	0.14%	0.038%
301	17.761	17.756	17.783	VV	204	2102		
302	17.804	17.794	17.823	VV	227	2457		
303	17.836	17.823	17.841	VV	167	1177		
304	17.879	17.841	17.886	VV	363	6426		
305	17.917	17.886	17.931	VV	382	7421		
306	17.968	17.931	17.979	VV	361	6513	0.11%	0.028%
307	17.984	17.979	17.992	VV	293	1818	0.03%	0.008%
308	18.000	17.992	18.003	VV	269	1413	0.02%	0.006%
309	18.053	18.003	18.061	VV	1271	22451	0.36%	0.096%
310	18.085	18.061	18.131	VV	2835	47104	0.76%	0.201%
311	18.175	18.131	18.221	VV	3908	64223	1.04%	0.274%
312	18.225	18.221	18.255	VV	371	6062	0.10%	0.026%
313	18.265	18.255	18.277	VV	296	2620	0.04%	0.011%
314	18.309	18.277	18.329	VV	303	5719	0.09%	0.024%
315	18.359	18.329	18.386	PV	248	3491	0.06%	0.015%
316	18.407	18.386	18.430	VV	505	7008	0.11%	0.030%
317	18.506	18.430	18.585	PV	3802	131891	2.14%	0.562%
318	18.605	18.585	18.626	VV	589	9534	0.15%	0.041%
319	18.649	18.626	18.653	VV	268	3641	0.06%	0.016%
320	18.659	18.653	18.674	VV	179	1652	0.03%	0.007%
321	18.681	18.674	18.701	VV	113	1191	0.02%	0.005%
322	18.723	18.701	18.736	VV	380	5072	0.08%	0.022%
323	18.766	18.736	18.770	VV	466	6914	0.11%	0.029%
324	18.777	18.770	18.817	VV	442	7574	0.12%	0.032%
325	18.823	18.817	18.849	VV	218	1925	0.03%	0.008%
326	18.921	18.849	18.974	PV	2854	62144	1.01%	0.265%
			Sum of corrected areas:			23455820		

Aromatic EPH 031725.M Sat Mar 29 04:47:43 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-10	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 20:27	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.23	J	1	8.28	30.0	ug/l	FC068476.D
Aliphatic C12-C16	Aliphatic C12-C16	33.8		1	13.5	20.0	ug/l	FC068476.D
Aliphatic C16-C21	Aliphatic C16-C21	13.5	J	1	8.34	30.0	ug/l	FC068476.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068476.D
Aliphatic C28-C40	Aliphatic C28-C40	38.3	J	1	23.8	60.0	ug/l	FC068476.D
Aromatic C10-C12	Aromatic C10-C12	16.7	J	1	2.07	20.0	ug/l	FG015602.D
Aromatic C12-C16	Aromatic C12-C16	65.3		1	4.26	30.0	ug/l	FG015602.D
Aromatic C16-C21	Aromatic C16-C21	81.6		1	8.27	50.0	ug/l	FG015602.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015602.D
Total AliphaticEPH	Total AliphaticEPH	93.8	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	164	J		38.4	180	ug/l	
Total EPH	Total EPH	257	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-002-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-10		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068476.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.23	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	33.8		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.5	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	38.3	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-10	Acq On:	01 Apr 2025 20:27
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP/AJ
Data file:	FC068476.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	667794	4.114	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2843995	16.909	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1157754	6.75	300	ug/ml
Aliphatic C21-C28	13.097	16.749	853283	5.053	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2609569	19.164	600	ug/ml
Aliphatic EPH	3.097	21.544	8132395	51.99		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6701020	44.95		ug/ml
Aliphatic C9-C28	3.097	16.749	5522826	32.826	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068476.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:27
Operator : YP/AJ
Sample : Q1664-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-002-01

Integration File: autoint1.e
Quant Time: Apr 02 03:00:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	6701020	44.951 ug/ml
Spiked Amount 50.000		Recovery = 89.90%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

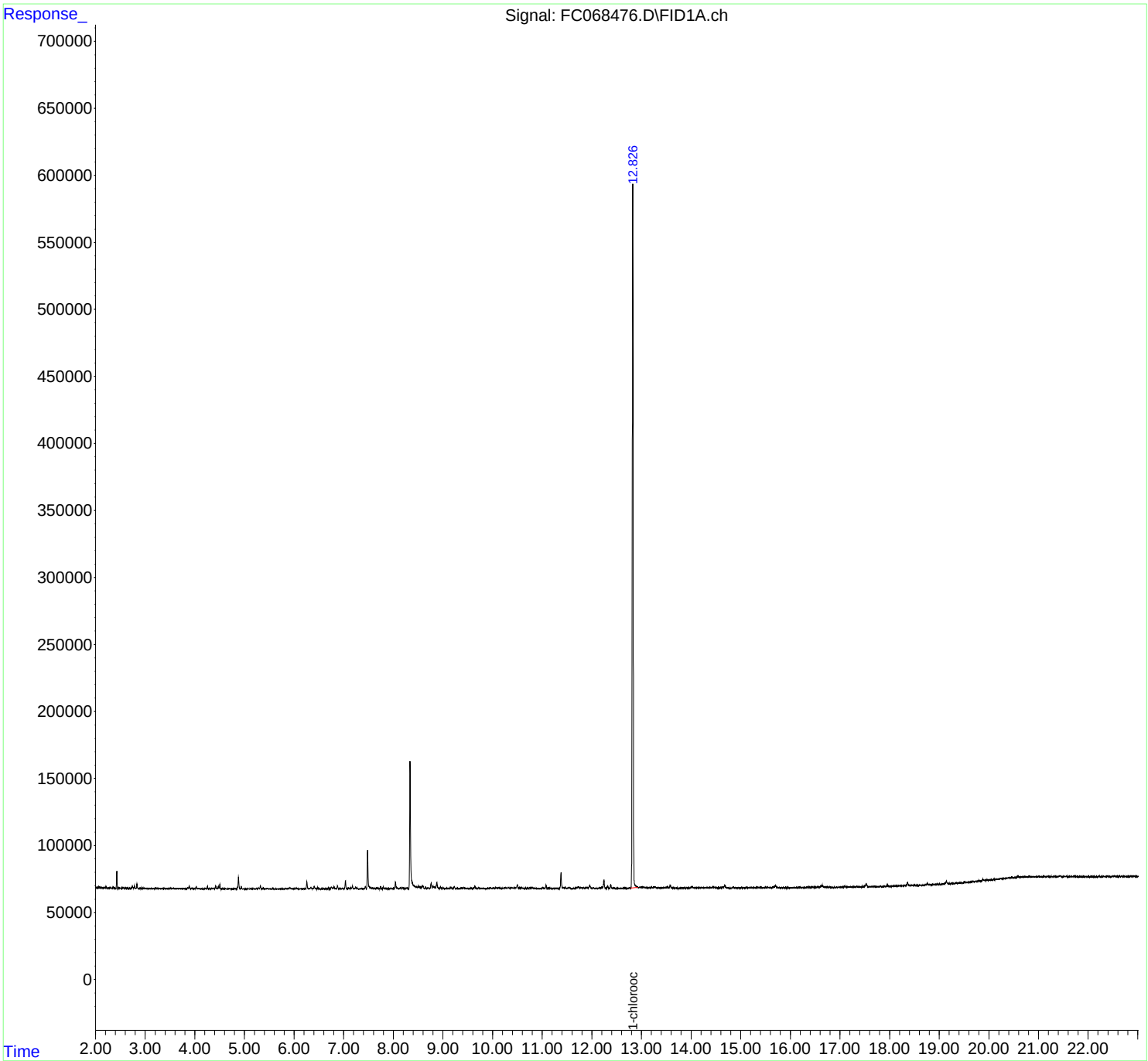
Quantitation Report (QT Reviewed)

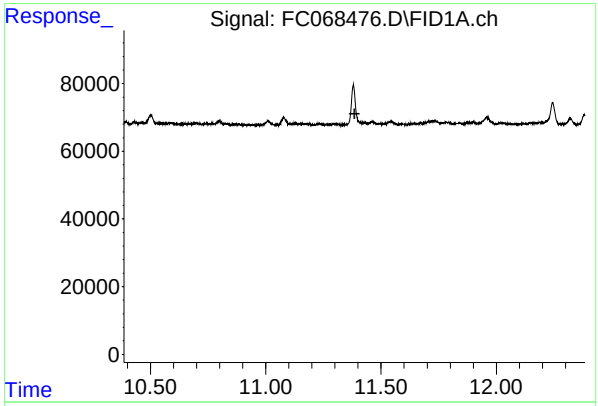
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068476.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:27
Operator : YP/AJ
Sample : Q1664-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-002-01

Integration File: autoint1.e
Quant Time: Apr 02 03:00:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

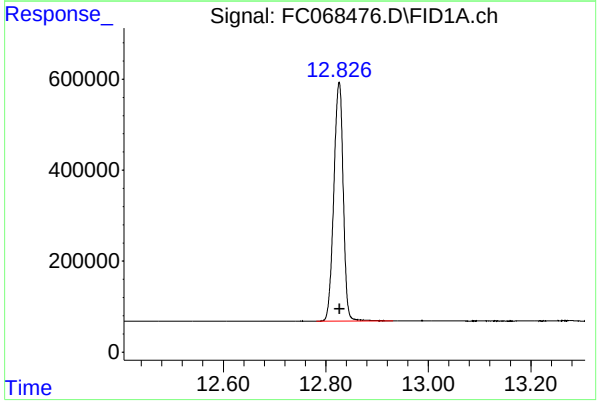




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-002-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 6701020
Conc: 44.95 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068476.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:27
Sample : Q1664-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.355	2.301	2.408	BV	884	9419	0.14%	0.061%
2	2.428	2.408	2.451	VV	12638	95850	1.42%	0.624%
3	2.469	2.451	2.513	VV	704	9742	0.14%	0.063%
4	2.523	2.513	2.534	VV	160	1887	0.03%	0.012%
5	2.551	2.534	2.576	VV	347	4237	0.06%	0.028%
6	2.588	2.576	2.624	VV	406	4481	0.07%	0.029%
7	2.631	2.624	2.637	VV	102	694	0.01%	0.005%
8	2.653	2.637	2.719	VV	402	8135	0.12%	0.053%
9	2.741	2.719	2.767	VV	1113	19489	0.29%	0.127%
10	2.784	2.767	2.810	VV	2079	20271	0.30%	0.132%
11	2.834	2.810	2.890	VV	3650	37655	0.56%	0.245%
12	2.911	2.890	2.940	VV	356	5930	0.09%	0.039%
13	2.956	2.940	3.008	VV	865	11493	0.17%	0.075%
14	3.021	3.008	3.048	PV	217	3642	0.05%	0.024%
15	3.056	3.048	3.074	VV	182	2312	0.03%	0.015%
16	3.088	3.074	3.112	VV	190	3008	0.04%	0.020%
17	3.124	3.112	3.137	VV	192	1391	0.02%	0.009%
18	3.153	3.137	3.181	PV	144	2568	0.04%	0.017%
19	3.201	3.181	3.242	VV	850	10439	0.15%	0.068%
20	3.260	3.242	3.278	VV	236	1946	0.03%	0.013%
21	3.294	3.278	3.319	PV	137	1859	0.03%	0.012%
22	3.357	3.319	3.366	VV	165	3066	0.05%	0.020%
23	3.398	3.366	3.441	VV	210	6126	0.09%	0.040%
24	3.490	3.441	3.503	VV	372	8197	0.12%	0.053%
25	3.518	3.503	3.549	VV	587	7445	0.11%	0.048%
26	3.565	3.549	3.625	VV	447	8508	0.13%	0.055%
27	3.637	3.625	3.662	VV	144	2751	0.04%	0.018%
28	3.687	3.662	3.715	VV	267	5334	0.08%	0.035%
29	3.724	3.715	3.749	VV	160	2616	0.04%	0.017%
30	3.770	3.749	3.808	VV	227	5644	0.08%	0.037%
31	3.814	3.808	3.822	VV	183	1065	0.02%	0.007%
32	3.857	3.822	3.870	VV	962	11469	0.17%	0.075%
33	3.886	3.870	3.928	VV	2204	24075	0.36%	0.157%
34	3.950	3.928	3.969	VV	386	4795	0.07%	0.031%
35	4.031	3.969	4.071	VV	1701	26301	0.39%	0.171%
36	4.078	4.071	4.085	VV	173	1262	0.02%	0.008%

rteres

37	4.096	4.085	4.114	VV	225	2073	0.03%	0.013%
38	4.120	4.114	4.135	VV	88	726	0.01%	0.005%
39	4.205	4.135	4.230	VV	180	5659	0.08%	0.037%
40	4.255	4.230	4.288	VV	1480	18934	0.28%	0.123%
41	4.294	4.288	4.309	VV	300	2597	0.04%	0.017%
42	4.320	4.309	4.338	VV	182	2258	0.03%	0.015%
43	4.366	4.338	4.387	VV	686	8921	0.13%	0.058%
44	4.419	4.387	4.457	VV	2481	31190	0.46%	0.203%
45	4.475	4.457	4.488	VV	1772	17607	0.26%	0.115%
46	4.504	4.488	4.544	VV	3582	36566	0.54%	0.238%
47	4.557	4.544	4.598	VV	183	3561	0.05%	0.023%
48	4.619	4.598	4.672	VV	361	7409	0.11%	0.048%
49	4.688	4.672	4.726	VV	270	4714	0.07%	0.031%
50	4.742	4.726	4.768	PV	110	1513	0.02%	0.010%
51	4.801	4.768	4.822	VV	543	7376	0.11%	0.048%
52	4.880	4.822	4.912	VV	8660	109180	1.62%	0.711%
53	4.936	4.912	4.968	VV	1582	18877	0.28%	0.123%
54	4.984	4.968	5.021	VV	156	2079	0.03%	0.014%
55	5.071	5.021	5.104	PV	358	5749	0.09%	0.037%
56	5.116	5.104	5.130	VV	124	1907	0.03%	0.012%
57	5.144	5.130	5.161	VV	161	2121	0.03%	0.014%
58	5.174	5.161	5.227	VV	182	4251	0.06%	0.028%
59	5.246	5.227	5.264	VV	358	4090	0.06%	0.027%
60	5.284	5.264	5.302	VV	838	11300	0.17%	0.074%
61	5.323	5.302	5.363	VV	2540	29894	0.44%	0.195%
62	5.378	5.363	5.411	VV	591	7211	0.11%	0.047%
63	5.457	5.411	5.484	VV	369	8026	0.12%	0.052%
64	5.497	5.484	5.511	VV	115	1329	0.02%	0.009%
65	5.534	5.511	5.554	VV	133	2597	0.04%	0.017%
66	5.571	5.554	5.604	VV	350	5221	0.08%	0.034%
67	5.635	5.604	5.673	VV	210	3762	0.06%	0.024%
68	5.683	5.673	5.698	VV	119	1305	0.02%	0.008%
69	5.776	5.698	5.814	VV	213	7908	0.12%	0.051%
70	5.830	5.814	5.855	VV	395	6613	0.10%	0.043%
71	5.876	5.855	5.898	VV	602	8288	0.12%	0.054%
72	5.919	5.898	5.954	VV	1285	16676	0.25%	0.109%
73	5.980	5.954	6.014	VV	406	8087	0.12%	0.053%
74	6.048	6.014	6.142	VV	720	19563	0.29%	0.127%
75	6.150	6.142	6.175	VV	170	2245	0.03%	0.015%
76	6.191	6.175	6.202	VV	162	1807	0.03%	0.012%
77	6.218	6.202	6.234	VV	258	2733	0.04%	0.018%
78	6.259	6.234	6.287	VV	5557	62823	0.93%	0.409%
79	6.300	6.287	6.316	VV	430	5930	0.09%	0.039%
80	6.340	6.316	6.360	VV	1497	18261	0.27%	0.119%
81	6.376	6.360	6.388	VV	784	8242	0.12%	0.054%
82	6.406	6.388	6.428	VV	2146	24612	0.36%	0.160%
83	6.439	6.428	6.457	VV	684	7720	0.11%	0.050%
84	6.478	6.457	6.595	VV	1185	22471	0.33%	0.146%
85	6.618	6.595	6.639	VV	238	4633	0.07%	0.030%
86	6.647	6.639	6.674	VV	222	2427	0.04%	0.016%
87	6.697	6.674	6.725	PV	1444	16648	0.25%	0.108%
88	6.750	6.725	6.781	VV	1566	26319	0.39%	0.171%
89	6.799	6.781	6.848	VV	1487	31404	0.46%	0.204%

90	6.876	6.848	6.939	VV	2453	35903	0.53%	0.234%
91	6.980	6.939	7.010	VV	549	10799	0.16%	0.070%
92	7.036	7.010	7.067	VV	6203	67486	1.00%	0.439%
93	7.111	7.067	7.129	VV	695	15576	0.23%	0.101%
94	7.144	7.129	7.157	VV	932	10124	0.15%	0.066%
95	7.177	7.157	7.198	VV	1914	25246	0.37%	0.164%
96	7.239	7.198	7.254	VV	928	18197	0.27%	0.118%
97	7.267	7.254	7.319	VV	1027	13585	0.20%	0.088%
98	7.339	7.319	7.364	VV	192	3459	0.05%	0.023%
99	7.385	7.364	7.411	VV	211	3708	0.05%	0.024%
100	7.437	7.411	7.456	VV	1982	22160	0.33%	0.144%
101	7.482	7.456	7.568	VV	29133	355923	5.27%	2.316%
102	7.579	7.568	7.595	VV	556	8195	0.12%	0.053%
103	7.604	7.595	7.619	VV	565	6799	0.10%	0.044%
104	7.629	7.619	7.648	VV	448	6239	0.09%	0.041%
105	7.657	7.648	7.680	VV	303	5286	0.08%	0.034%
106	7.698	7.680	7.718	VV	510	7086	0.10%	0.046%
107	7.741	7.718	7.773	VV	1491	19401	0.29%	0.126%
108	7.797	7.773	7.818	VV	1087	13424	0.20%	0.087%
109	7.836	7.818	7.857	VV	405	7015	0.10%	0.046%
110	7.867	7.857	7.894	VV	195	2958	0.04%	0.019%
111	7.906	7.894	7.921	VV	134	1879	0.03%	0.012%
112	7.925	7.921	7.930	VV	164	721	0.01%	0.005%
113	7.952	7.930	7.984	VV	689	10529	0.16%	0.069%
114	8.045	7.984	8.116	VV	5285	81968	1.21%	0.533%
115	8.141	8.116	8.177	VV	973	22544	0.33%	0.147%
116	8.193	8.177	8.217	VV	848	10469	0.15%	0.068%
117	8.238	8.217	8.257	VV	818	9538	0.14%	0.062%
118	8.277	8.257	8.299	VV	1146	13685	0.20%	0.089%
119	8.338	8.299	8.478	VV	95174	1299404	19.22%	8.457%
120	8.501	8.478	8.518	VV	1818	34262	0.51%	0.223%
121	8.531	8.518	8.563	VV	1400	32695	0.48%	0.213%
122	8.587	8.563	8.625	VV	1993	49976	0.74%	0.325%
123	8.644	8.625	8.670	VV	1080	17896	0.26%	0.116%
124	8.694	8.670	8.724	VV	1011	20088	0.30%	0.131%
125	8.763	8.724	8.783	VV	4365	62599	0.93%	0.407%
126	8.800	8.783	8.850	VV	2116	54643	0.81%	0.356%
127	8.878	8.850	8.930	VV	5024	83976	1.24%	0.547%
128	8.951	8.930	8.978	VV	1248	18535	0.27%	0.121%
129	8.998	8.978	9.030	VV	791	14290	0.21%	0.093%
130	9.045	9.030	9.056	VV	427	4852	0.07%	0.032%
131	9.080	9.056	9.117	VV	543	15418	0.23%	0.100%
132	9.165	9.117	9.202	VV	915	28990	0.43%	0.189%
133	9.227	9.202	9.267	VV	1904	31815	0.47%	0.207%
134	9.296	9.267	9.351	VV	457	15541	0.23%	0.101%
135	9.369	9.351	9.398	VV	758	12743	0.19%	0.083%
136	9.422	9.398	9.463	VV	791	17154	0.25%	0.112%
137	9.476	9.463	9.508	VV	310	5630	0.08%	0.037%
138	9.513	9.508	9.541	VV	202	2953	0.04%	0.019%
139	9.562	9.541	9.591	VV	568	10005	0.15%	0.065%
140	9.601	9.591	9.618	VV	311	3900	0.06%	0.025%
141	9.642	9.618	9.691	VV	1945	31751	0.47%	0.207%

142	9.713	9.691	9.734	VV	639	13007	0.19%	0.085%
143	9.738	9.734	9.761	VV	639	7494	0.11%	0.049%
144	9.785	9.761	9.802	VV	463	8685	0.13%	0.057%
145	9.813	9.802	9.859	VV	321	6097	0.09%	0.040%
146	9.917	9.859	9.930	VV	513	10451	0.15%	0.068%
147	9.957	9.930	9.979	VV	966	17631	0.26%	0.115%
148	10.031	9.979	10.051	VV	882	22564	0.33%	0.147%
149	10.066	10.051	10.089	VV	846	13943	0.21%	0.091%
150	10.119	10.089	10.136	VV	698	15487	0.23%	0.101%
151	10.147	10.136	10.166	VV	565	7600	0.11%	0.049%
152	10.192	10.166	10.208	VV	396	8607	0.13%	0.056%
153	10.237	10.208	10.252	VV	1026	17411	0.26%	0.113%
154	10.269	10.252	10.288	VV	844	14229	0.21%	0.093%
155	10.318	10.288	10.339	VV	1125	23309	0.34%	0.152%
156	10.391	10.339	10.413	VV	1058	32193	0.48%	0.210%
157	10.430	10.413	10.445	VV	1011	13298	0.20%	0.087%
158	10.462	10.445	10.472	VV	808	10911	0.16%	0.071%
159	10.502	10.472	10.531	VV	2984	52345	0.77%	0.341%
160	10.590	10.531	10.617	VV	726	26547	0.39%	0.173%
161	10.664	10.617	10.674	VV	483	11631	0.17%	0.076%
162	10.702	10.674	10.722	VV	559	12824	0.19%	0.083%
163	10.743	10.722	10.754	VV	536	7846	0.12%	0.051%
164	10.799	10.754	10.851	VV	1268	31654	0.47%	0.206%
165	10.881	10.851	10.960	VV	331	9419	0.14%	0.061%
166	11.010	10.960	11.041	PV	1219	20028	0.30%	0.130%
167	11.078	11.041	11.107	VV	2190	32825	0.49%	0.214%
168	11.124	11.107	11.209	VV	479	19415	0.29%	0.126%
169	11.231	11.209	11.249	VV	373	4817	0.07%	0.031%
170	11.292	11.249	11.331	VV	271	8693	0.13%	0.057%
171	11.380	11.331	11.418	VV	11843	151011	2.23%	0.983%
172	11.430	11.418	11.445	VV	625	9624	0.14%	0.063%
173	11.463	11.445	11.500	VV	1061	19719	0.29%	0.128%
174	11.543	11.500	11.578	VV	979	23255	0.34%	0.151%
175	11.594	11.578	11.613	VV	283	4602	0.07%	0.030%
176	11.733	11.613	11.758	VV	1264	55133	0.82%	0.359%
177	11.781	11.758	11.817	VV	753	19918	0.29%	0.130%
178	11.838	11.817	11.858	VV	528	9247	0.14%	0.060%
179	11.877	11.858	11.890	VV	746	11278	0.17%	0.073%
180	11.900	11.890	11.924	VV	764	12260	0.18%	0.080%
181	11.959	11.924	12.001	VV	2226	48565	0.72%	0.316%
182	12.022	12.001	12.073	VV	588	15760	0.23%	0.103%
183	12.149	12.073	12.168	VV	609	19005	0.28%	0.124%
184	12.192	12.168	12.203	VV	708	12860	0.19%	0.084%
185	12.244	12.203	12.298	VV	6603	103371	1.53%	0.673%
186	12.321	12.298	12.353	VV	1931	27140	0.40%	0.177%
187	12.381	12.353	12.406	VV	2912	37988	0.56%	0.247%
188	12.420	12.406	12.433	VV	414	5109	0.08%	0.033%
189	12.446	12.433	12.464	VV	297	4815	0.07%	0.031%
190	12.501	12.464	12.531	VV	265	7679	0.11%	0.050%
191	12.557	12.531	12.574	VV	136	2190	0.03%	0.014%
192	12.578	12.574	12.613	VV	112	1468	0.02%	0.010%
193	12.646	12.613	12.691	VV	362	11297	0.17%	0.074%
194	12.702	12.691	12.725	VV	292	4434	0.07%	0.029%

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195	12.750	12.725	12.766	VV	437	7747	0.11%	0.050%
196	12.826	12.766	12.941	VV	523303	6759900	100.00%	43.995%
197	12.948	12.941	12.964	VV	811	10579	0.16%	0.069%
198	12.990	12.964	13.026	VV	1091	33891	0.50%	0.221%
199	13.044	13.026	13.082	VV	1031	27349	0.40%	0.178%
200	13.105	13.082	13.166	VV	765	27289	0.40%	0.178%
201	13.196	13.166	13.228	VV	886	26503	0.39%	0.172%
202	13.278	13.228	13.301	VV	1308	40518	0.60%	0.264%
203	13.326	13.301	13.354	VV	574	13708	0.20%	0.089%
204	13.373	13.354	13.397	VV	512	10085	0.15%	0.066%
205	13.440	13.397	13.469	VV	630	21377	0.32%	0.139%
206	13.524	13.469	13.551	VV	1427	34346	0.51%	0.224%
207	13.578	13.551	13.654	VV	2668	51638	0.76%	0.336%
208	13.667	13.654	13.734	VV	304	9617	0.14%	0.063%
209	13.806	13.734	13.860	PV	340	17118	0.25%	0.111%
210	13.871	13.860	13.891	VV	350	5275	0.08%	0.034%
211	13.907	13.891	13.926	VV	307	5799	0.09%	0.038%
212	13.957	13.926	13.968	VV	313	6768	0.10%	0.044%
213	14.014	13.968	14.078	VV	1205	39393	0.58%	0.256%
214	14.091	14.078	14.102	VV	438	5678	0.08%	0.037%
215	14.108	14.102	14.116	VV	406	3062	0.05%	0.020%
216	14.141	14.116	14.178	VV	583	14254	0.21%	0.093%
217	14.236	14.178	14.250	VV	520	17284	0.26%	0.112%
218	14.272	14.250	14.301	VV	641	16449	0.24%	0.107%
219	14.317	14.301	14.370	VV	536	18767	0.28%	0.122%
220	14.392	14.370	14.410	VV	641	12016	0.18%	0.078%
221	14.454	14.410	14.469	VV	891	23122	0.34%	0.150%
222	14.483	14.469	14.513	VV	860	14055	0.21%	0.091%
223	14.524	14.513	14.569	VV	402	9310	0.14%	0.061%
224	14.579	14.569	14.587	VV	189	2031	0.03%	0.013%
225	14.635	14.587	14.658	VV	1129	25042	0.37%	0.163%
226	14.678	14.658	14.815	VV	2401	50849	0.75%	0.331%
227	14.848	14.815	14.906	VV	875	18191	0.27%	0.118%
228	14.920	14.906	14.940	VV	139	2556	0.04%	0.017%
229	14.949	14.940	14.961	VV	188	1551	0.02%	0.010%
230	14.978	14.961	15.008	VV	264	3500	0.05%	0.023%
231	15.054	15.008	15.068	VV	134	3454	0.05%	0.022%
232	15.123	15.068	15.144	VV	299	8722	0.13%	0.057%
233	15.151	15.144	15.176	VV	307	4634	0.07%	0.030%
234	15.201	15.176	15.278	VV	539	16617	0.25%	0.108%
235	15.356	15.278	15.447	VV	461	33048	0.49%	0.215%
236	15.546	15.447	15.584	VV	593	32340	0.48%	0.210%
237	15.592	15.584	15.633	VV	355	6710	0.10%	0.044%
238	15.661	15.633	15.675	VV	806	13202	0.20%	0.086%
239	15.699	15.675	15.814	VV	2039	47187	0.70%	0.307%
240	15.817	15.814	15.851	VV	114	1110	0.02%	0.007%
241	15.881	15.851	15.962	VV	132	4849	0.07%	0.032%
242	16.017	15.962	16.027	PV	95	2086	0.03%	0.014%
243	16.036	16.027	16.056	VV	105	1131	0.02%	0.007%
244	16.086	16.056	16.097	VV	171	2452	0.04%	0.016%
245	16.179	16.097	16.214	VV	424	14438	0.21%	0.094%
246	16.220	16.214	16.233	VV	233	1971	0.03%	0.013%

247	16.261	16.233	16.299	VV	224	7050	0.10%	0.046%
248	16.364	16.299	16.388	VV	377	13489	0.20%	0.088%
249	16.398	16.388	16.448	VV	381	10549	0.16%	0.069%
250	16.458	16.448	16.464	VV	280	2329	0.03%	0.015%
251	16.481	16.464	16.504	VV	327	6681	0.10%	0.043%
252	16.561	16.504	16.589	VV	532	17865	0.26%	0.116%
253	16.614	16.589	16.628	VV	789	13984	0.21%	0.091%
254	16.645	16.628	16.740	VV	1801	40234	0.60%	0.262%
255	16.751	16.740	16.784	VV	267	4669	0.07%	0.030%
256	16.795	16.784	16.815	VV	210	3009	0.04%	0.020%
257	16.824	16.815	16.836	VV	140	975	0.01%	0.006%
258	16.854	16.836	16.878	VV	91	1289	0.02%	0.008%
259	16.892	16.878	16.962	PV	54	1901	0.03%	0.012%
260	16.974	16.962	16.984	VV	79	788	0.01%	0.005%
261	17.097	16.984	17.154	VV	951	24411	0.36%	0.159%
262	17.204	17.154	17.224	VV	261	8597	0.13%	0.056%
263	17.244	17.224	17.253	VV	257	3978	0.06%	0.026%
264	17.324	17.253	17.374	VV	365	18709	0.28%	0.122%
265	17.388	17.374	17.399	VV	303	4305	0.06%	0.028%
266	17.405	17.399	17.414	VV	329	2513	0.04%	0.016%
267	17.445	17.414	17.461	VV	321	7456	0.11%	0.049%
268	17.530	17.461	17.594	VV	2256	57828	0.86%	0.376%
269	17.604	17.594	17.624	VV	192	2695	0.04%	0.018%
270	17.683	17.624	17.723	VV	291	10702	0.16%	0.070%
271	17.737	17.723	17.781	VV	149	2862	0.04%	0.019%
272	17.816	17.781	17.839	VV	224	3798	0.06%	0.025%
273	17.868	17.839	17.881	VV	139	1533	0.02%	0.010%
274	17.955	17.881	17.988	PV	1286	25943	0.38%	0.169%
275	18.021	17.988	18.045	VV	195	4801	0.07%	0.031%
276	18.098	18.045	18.118	VV	195	5337	0.08%	0.035%
277	18.131	18.118	18.149	VV	138	1660	0.02%	0.011%
278	18.225	18.149	18.248	VV	250	9308	0.14%	0.061%
279	18.254	18.248	18.269	VV	229	1640	0.02%	0.011%
280	18.363	18.269	18.436	VV	2309	55914	0.83%	0.364%
281	18.455	18.436	18.464	VV	169	1995	0.03%	0.013%
282	18.518	18.464	18.548	VV	195	6615	0.10%	0.043%
283	18.558	18.548	18.573	VV	143	1644	0.02%	0.011%
284	18.612	18.573	18.645	VV	201	4902	0.07%	0.032%
285	18.702	18.645	18.709	PV	90	2057	0.03%	0.013%
286	18.759	18.709	18.811	VV	1161	21839	0.32%	0.142%
287	18.828	18.811	18.847	VV	158	1788	0.03%	0.012%
288	18.882	18.847	18.894	VV	174	2634	0.04%	0.017%
289	18.942	18.894	18.978	VV	226	6819	0.10%	0.044%
290	19.006	18.978	19.021	VV	216	3987	0.06%	0.026%
291	19.062	19.021	19.074	VV	152	4143	0.06%	0.027%
292	19.089	19.074	19.101	VV	191	2450	0.04%	0.016%
293	19.146	19.101	19.174	VV	1802	36232	0.54%	0.236%
294	19.183	19.174	19.218	VV	359	5416	0.08%	0.035%
295	19.241	19.218	19.263	VV	257	4267	0.06%	0.028%
296	19.292	19.263	19.304	VV	214	4005	0.06%	0.026%
297	19.385	19.304	19.441	VV	483	27306	0.40%	0.178%
298	19.519	19.441	19.557	VV	1080	33882	0.50%	0.221%
299	19.586	19.557	19.596	VV	569	10992	0.16%	0.072%

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300	19.703	19.596	19.717	VV	851	49339	0.73%	0.321%
301	19.779	19.717	19.821	VV	1216	64308	0.95%	0.419%
302	19.883	19.821	19.912	VV	2237	81788	1.21%	0.532%
303	19.948	19.912	19.961	VV	1461	39199	0.58%	0.255%
304	19.975	19.961	19.994	VV	1485	28390	0.42%	0.185%
305	20.112	19.994	20.124	VV	1699	118658	1.76%	0.772%
306	20.171	20.124	20.184	VV	1790	61444	0.91%	0.400%
307	20.240	20.184	20.271	VV	2211	99327	1.47%	0.646%
308	20.420	20.271	20.446	VV	2596	233783	3.46%	1.522%
309	20.593	20.446	20.644	VV	3124	310333	4.59%	2.020%
310	20.709	20.644	20.724	VV	2617	121307	1.79%	0.790%
311	20.752	20.724	20.761	VV	2529	55628	0.82%	0.362%
312	20.831	20.761	20.871	VV	2526	162218	2.40%	1.056%
313	20.884	20.871	20.963	VV	2397	123366	1.82%	0.803%
314	20.987	20.963	21.044	VV	2307	103800	1.54%	0.676%
315	21.051	21.044	21.062	VV	2031	20226	0.30%	0.132%
316	21.072	21.062	21.078	VV	1996	19297	0.29%	0.126%
317	21.087	21.078	21.111	VV	2025	39032	0.58%	0.254%
318	21.126	21.111	21.181	VV	2039	80286	1.19%	0.523%
319	21.195	21.181	21.251	VV	1917	76535	1.13%	0.498%
320	21.292	21.251	21.314	VV	1721	63567	0.94%	0.414%
321	21.324	21.314	21.344	VV	1678	29040	0.43%	0.189%
322	21.353	21.344	21.374	VV	1595	27543	0.41%	0.179%
323	21.435	21.374	21.491	VV	1841	108329	1.60%	0.705%
324	21.502	21.491	21.548	VV	1327	43232	0.64%	0.281%
325	21.555	21.548	21.581	VV	1282	23657	0.35%	0.154%
326	21.610	21.581	21.641	VV	1180	40162	0.59%	0.261%
327	21.670	21.641	21.734	VV	1113	56609	0.84%	0.368%
328	21.743	21.734	21.798	VV	905	30983	0.46%	0.202%
329	21.800	21.798	21.873	VV	804	30290	0.45%	0.197%
330	21.901	21.873	21.921	VV	617	15692	0.23%	0.102%
331	21.928	21.921	21.991	VV	533	17986	0.27%	0.117%
332	22.009	21.991	22.018	VV	382	5330	0.08%	0.035%
333	22.027	22.018	22.059	VV	311	5708	0.08%	0.037%
334	22.126	22.059	22.138	VV	153	6454	0.10%	0.042%
335	22.143	22.138	22.178	VV	164	1583	0.02%	0.010%

Sum of corrected areas: 15364994

Aliphatic EPH 032625.M Wed Apr 02 03:33:47 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-002-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-10		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015602.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		16.7	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16		65.3		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21		81.6		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36		23.8	U	23.8	80.0	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		47.2		40 - 140	94%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		48.6		40 - 140	97%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-10	Acq On:	01 Apr 2025 19:26
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP\AJ
Data file:	FG015602.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1122145	8.374	200	ug/ml
Aromatic C12-C16	6.330	9.035	4479028	32.657	300	ug/ml
Aromatic C16-C21	9.036	13.365	5685299	40.781	500	ug/ml
Aromatic C21-C36	13.366	18.829	1948051	14.963	800	ug/ml
Aromatic EPH	4.450	18.829	13234523	96.776		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	7082460	48.57		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5764421	47.19		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	2801378	33.89		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015602.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:26
Operator : YP\AJ
Sample : Q1664-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
Quant Time: Apr 02 01:17:48 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...	7.961	5764421	47.189 ug/ml
Spiked Amount 50.000		Recovery =	94.38%
6) S 2-Flurobiphenyl (SURR)	8.838	2801378	33.892 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	67.78%
11) S ortho-Terphenyl (SURR)	11.913	7082460	48.567 ug/ml
Spiked Amount 50.000		Recovery =	97.13%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

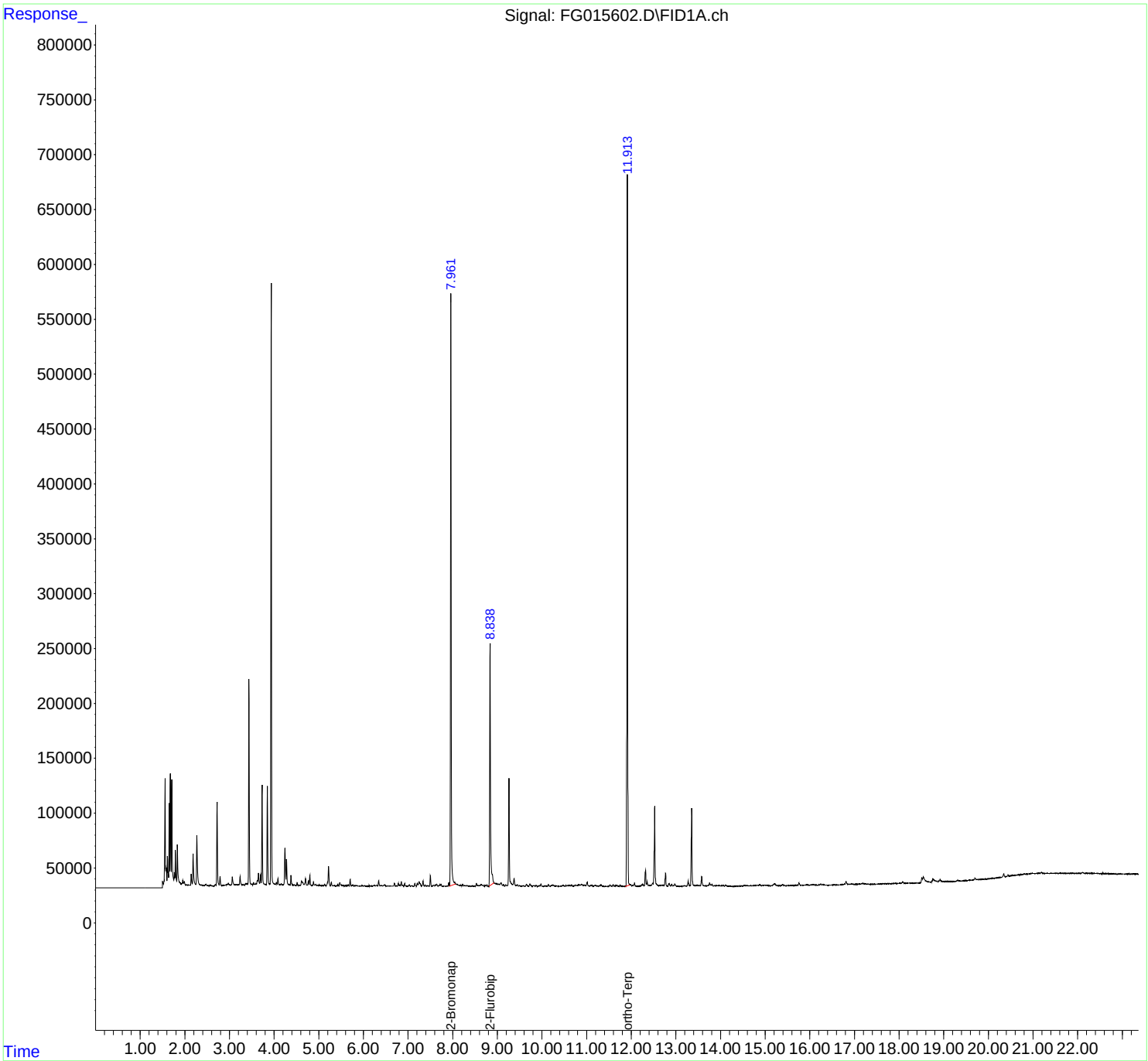
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015602.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:26
Operator : YP\AJ
Sample : Q1664-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

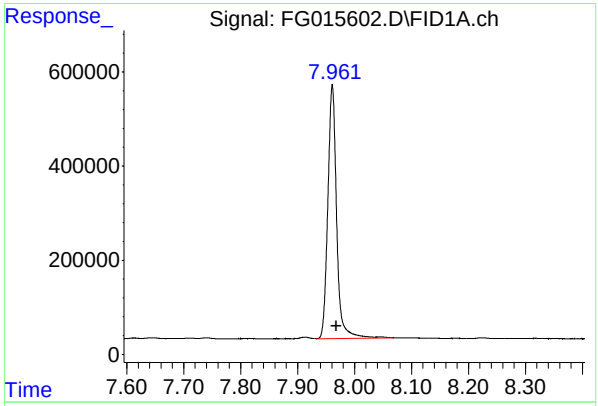
Integration File: autoint1.e
Quant Time: Apr 02 01:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025





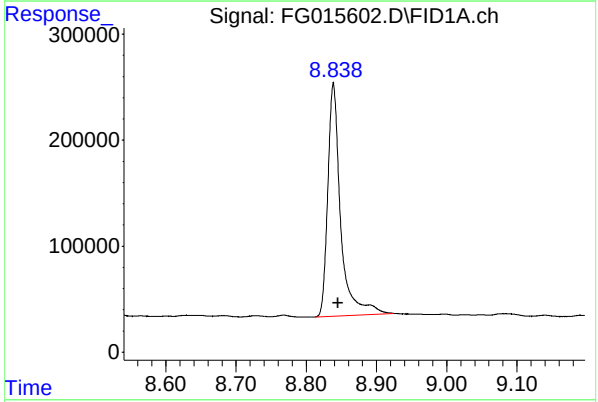
#4 2-Bromonaphthalene (SURR)

R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 5764421
Conc: 47.19 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

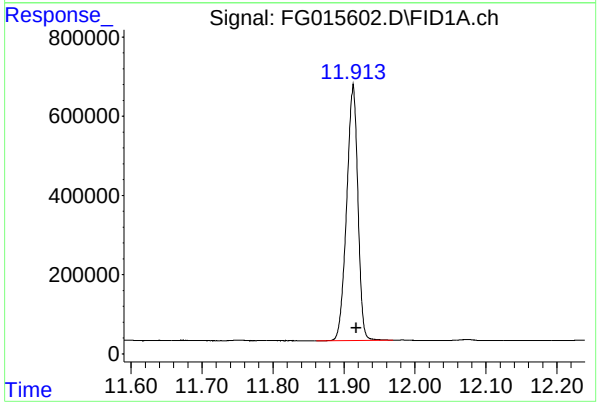
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 2801378
Conc: 33.89 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.005 min
Response: 7082460
Conc: 48.57 ug/ml

rteres

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04012
Data File : FG015602.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:26
Sample : Q1664-10
Misc :
ALS Vial : 30 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	4.379	4.360	4.449	PV	8951	96980	1.36%	0.368%
2	4.456	4.449	4.489	VV	359	3153	0.04%	0.012%
3	4.516	4.489	4.542	PV	2653	30115	0.42%	0.114%
4	4.551	4.542	4.574	VV	437	3909	0.05%	0.015%
5	4.615	4.574	4.632	VV	4187	62158	0.87%	0.236%
6	4.640	4.632	4.669	VV	3040	44715	0.63%	0.170%
7	4.705	4.669	4.731	VV	6625	97550	1.37%	0.370%
8	4.738	4.731	4.751	VV	543	5911	0.08%	0.022%
9	4.768	4.751	4.783	VV	4653	50191	0.70%	0.191%
10	4.801	4.783	4.854	VV	9468	107970	1.51%	0.410%
11	4.883	4.859	4.913	VV	3420	43148	0.60%	0.164%
12	4.929	4.913	4.965	VV	1247	19924	0.28%	0.076%
13	4.977	4.965	4.993	VV	670	8190	0.11%	0.031%
14	5.012	4.993	5.048	VV	858	13015	0.18%	0.049%
15	5.069	5.048	5.108	VV	282	5953	0.08%	0.023%
16	5.133	5.108	5.163	VV	1072	16918	0.24%	0.064%
17	5.197	5.163	5.202	VV	3185	32134	0.45%	0.122%
18	5.221	5.202	5.260	VV	17956	226001	3.16%	0.858%
19	5.283	5.260	5.326	VV	3364	43396	0.61%	0.165%
20	5.346	5.326	5.351	VV	357	3771	0.05%	0.014%
21	5.358	5.351	5.384	VV	326	3734	0.05%	0.014%
22	5.400	5.384	5.412	VV	261	2595	0.04%	0.010%
23	5.429	5.412	5.450	PV	968	10654	0.15%	0.040%
24	5.472	5.450	5.536	VV	2953	59331	0.83%	0.225%
25	5.541	5.536	5.577	VV	425	7498	0.10%	0.028%
26	5.596	5.577	5.611	VV	460	6574	0.09%	0.025%
27	5.622	5.611	5.642	VV	667	7368	0.10%	0.028%
28	5.662	5.642	5.683	VV	1451	18819	0.26%	0.071%
29	5.704	5.683	5.729	VV	6348	71142	1.00%	0.270%
30	5.743	5.729	5.750	VV	600	6627	0.09%	0.025%
31	5.765	5.750	5.792	VV	1364	17541	0.25%	0.067%
32	5.811	5.792	5.824	VV	474	6447	0.09%	0.024%
33	5.832	5.824	5.849	VV	558	6909	0.10%	0.026%
34	5.857	5.849	5.880	VV	588	6291	0.09%	0.024%
35	5.888	5.880	5.901	VV	161	1125	0.02%	0.004%
36	5.924	5.901	5.947	VV	298	4788	0.07%	0.018%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

					rteres			
37	5.975	5.947	5.995	VV	731	9840	0.14%	0.037%
38	6.013	5.995	6.017	VV	191	1863		
39	6.032	6.017	6.044	VV	333	3482		
40	6.050	6.044	6.067	VV	214	1658		
41	6.131	6.083	6.149	PV	674	4379		
42	6.176	6.159	6.204	VV	323	6264		
43	6.243	6.204	6.278	VV	826	20900	0.29%	0.079%
44	6.296	6.278	6.319	VV	1245	18194	0.25%	0.069%
45	6.343	6.319	6.392	VV	4980	72393	1.01%	0.275%
46	6.405	6.392	6.444	VV	599	12581	0.18%	0.048%
47	6.479	6.444	6.539	VV	1503	35300	0.49%	0.134%
48	6.546	6.539	6.550	VV	175	1171	0.02%	0.004%
49	6.555	6.550	6.574	VV	265	2672	0.04%	0.010%
50	6.580	6.574	6.587	VV	247	1780	0.02%	0.007%
51	6.591	6.587	6.600	VV	304	1723	0.02%	0.007%
52	6.605	6.600	6.636	VV	247	3763	0.05%	0.014%
53	6.660	6.636	6.672	VV	233	4106	0.06%	0.016%
54	6.697	6.672	6.725	VV	2818	37432	0.52%	0.142%
55	6.740	6.725	6.763	VV	588	9794	0.14%	0.037%
56	6.783	6.763	6.804	VV	2861	34587	0.48%	0.131%
57	6.819	6.804	6.833	VV	1557	17260	0.24%	0.066%
58	6.852	6.833	6.874	VV	4557	52465	0.73%	0.199%
59	6.885	6.874	6.906	VV	1185	12563	0.18%	0.048%
60	6.926	6.906	6.945	VV	2666	27926	0.39%	0.106%
61	6.955	6.945	6.978	VV	462	5512	0.08%	0.021%
62	6.982	6.978	6.996	VV	154	1216	0.02%	0.005%
63	7.031	6.996	7.054	VV	1588	19342	0.27%	0.073%
64	7.078	7.054	7.126	VV	749	13325	0.19%	0.051%
65	7.153	7.126	7.185	PV	2756	33274	0.47%	0.126%
66	7.208	7.185	7.224	VV	2913	40561	0.57%	0.154%
67	7.252	7.224	7.307	VV	4407	105315	1.47%	0.400%
68	7.337	7.307	7.364	VV	5000	65975	0.92%	0.251%
69	7.385	7.364	7.405	VV	1353	17648	0.25%	0.067%
70	7.445	7.405	7.464	VV	843	15005	0.21%	0.057%
71	7.502	7.464	7.537	VV	10043	112372	1.57%	0.427%
72	7.565	7.537	7.575	VV	1135	14463	0.20%	0.055%
73	7.581	7.575	7.596	VV	948	8727	0.12%	0.033%
74	7.613	7.596	7.626	VV	1703	17602	0.25%	0.067%
75	7.646	7.626	7.669	VV	2164	32214	0.45%	0.122%
76	7.684	7.669	7.694	VV	757	8496	0.12%	0.032%
77	7.710	7.694	7.725	VV	1531	20515	0.29%	0.078%
78	7.739	7.725	7.766	VV	2132	24105	0.34%	0.092%
79	7.816	7.782	7.836	VV	371	7747	0.11%	0.029%
80	7.860	7.836	7.871	VV	275	3901	0.05%	0.015%
81	7.884	7.871	7.890	VV	313	2861	0.04%	0.011%
82	7.914	7.890	7.932	VV	3567	39902	0.56%	0.152%
83	7.961	7.932	8.035	VV	538935	5804927	81.29%	22.045%
84	8.046	8.035	8.102	VV	4013	105415	1.48%	0.400%
85	8.106	8.102	8.130	VV	1828	24722	0.35%	0.094%
86	8.135	8.130	8.162	VV	1235	19638	0.28%	0.075%
87	8.177	8.162	8.201	VV	1211	20984	0.29%	0.080%
88	8.224	8.201	8.265	VV	2201	40985	0.57%	0.156%
89	8.282	8.265	8.300	VV	884	14133	0.20%	0.054%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

90	8.319	8.300	8.343	VV	1068	18602	0.26%	0.071%
91	8.350	8.343	8.374	VV	517	7209		
92	8.382	8.374	8.388	VV	334	2469		
93	8.435	8.388	8.454	VV	695	16347		
94	8.459	8.454	8.463	VV	291	1211		
95	8.477	8.463	8.489	VV	346	4546		
96	8.533	8.489	8.556	VV	2792	44086	0.62%	0.167%
97	8.565	8.556	8.588	VV	1092	15872	0.22%	0.060%
98	8.602	8.588	8.612	VV	923	10916	0.15%	0.041%
99	8.628	8.612	8.637	VV	1577	19700	0.28%	0.075%
100	8.645	8.637	8.667	VV	1623	22555	0.32%	0.086%
101	8.682	8.667	8.707	VV	1349	19685	0.28%	0.075%
102	8.728	8.707	8.749	VV	1309	18099	0.25%	0.069%
103	8.768	8.749	8.805	VV	1761	21146	0.30%	0.080%
104	8.839	8.805	8.885	PV	221016	2745093	38.44%	10.425%
105	8.890	8.885	8.957	VV	11467	233222	3.27%	0.886%
106	8.962	8.957	8.984	VV	2764	40106	0.56%	0.152%
107	8.996	8.984	9.014	VV	2812	43245	0.61%	0.164%
108	9.025	9.014	9.040	VV	2240	31448	0.44%	0.119%
109	9.048	9.040	9.061	VV	2180	24615	0.34%	0.093%
110	9.084	9.061	9.118	VV	3253	79862	1.12%	0.303%
111	9.140	9.118	9.170	VV	1762	32940	0.46%	0.125%
112	9.191	9.170	9.213	VV	1679	27914	0.39%	0.106%
113	9.263	9.213	9.291	VV	97777	1086797	15.22%	4.127%
114	9.296	9.291	9.312	VV	4478	48807	0.68%	0.185%
115	9.318	9.312	9.335	VV	2883	32308	0.45%	0.123%
116	9.377	9.335	9.411	VV	7441	145108	2.03%	0.551%
117	9.419	9.411	9.434	VV	996	12130	0.17%	0.046%
118	9.450	9.434	9.480	VV	1811	28536	0.40%	0.108%
119	9.499	9.480	9.530	VV	1119	18512	0.26%	0.070%
120	9.555	9.530	9.568	VV	510	9756	0.14%	0.037%
121	9.584	9.568	9.627	VV	973	18135	0.25%	0.069%
122	9.650	9.627	9.689	VV	1725	35674	0.50%	0.135%
123	9.695	9.689	9.704	VV	431	3498	0.05%	0.013%
124	9.729	9.704	9.787	VV	2501	53950	0.76%	0.205%
125	9.808	9.787	9.824	VV	947	14800	0.21%	0.056%
126	9.834	9.824	9.853	VV	796	10396	0.15%	0.039%
127	9.871	9.853	9.901	VV	1293	17416	0.24%	0.066%
128	9.936	9.901	9.957	VV	928	17434	0.24%	0.066%
129	9.979	9.957	10.007	VV	2596	34288	0.48%	0.130%
130	10.018	10.007	10.026	VV	307	2470	0.03%	0.009%
131	10.029	10.026	10.039	VV	299	1665	0.02%	0.006%
132	10.069	10.046	10.078	VV	773	10266	0.14%	0.039%
133	10.085	10.078	10.103	VV	632	8151	0.11%	0.031%
134	10.117	10.103	10.127	VV	574	6378	0.09%	0.024%
135	10.148	10.127	10.181	VV	1990	28392	0.40%	0.108%
136	10.217	10.181	10.237	VV	1284	28857	0.40%	0.110%
137	10.251	10.237	10.286	VV	1490	29581	0.41%	0.112%
138	10.293	10.286	10.307	VV	596	7029	0.10%	0.027%
139	10.317	10.307	10.338	VV	846	11824	0.17%	0.045%
140	10.352	10.338	10.378	VV	534	8708	0.12%	0.033%
141	10.394	10.378	10.402	VV	316	3094	0.04%	0.012%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

rteres

142	10.427	10.402	10.437	VV	617	7938	0.11%	0.030%
143	10.469	10.437	10.507	VV	1284	33657		
144	10.543	10.507	10.559	VV	1097	21096		
145	10.584	10.559	10.598	VV	1220	22194		
146	10.613	10.598	10.647	VV	1171	26643		
147	10.666	10.647	10.718	VV	1772	37079		
148	10.749	10.718	10.763	VV	1709	30475	0.43%	0.116%
149	10.775	10.763	10.801	VV	1244	23577	0.33%	0.090%
150	10.821	10.801	10.827	VV	1832	22441	0.31%	0.085%
151	10.834	10.827	10.854	VV	1899	26612	0.37%	0.101%
152	10.887	10.854	10.924	VV	2160	67879	0.95%	0.258%
153	10.943	10.924	10.962	VV	1677	26950	0.38%	0.102%
154	10.971	10.962	10.989	VV	1054	15605	0.22%	0.059%
155	11.017	10.989	11.038	VV	4256	68801	0.96%	0.261%
156	11.045	11.038	11.068	VV	782	12704	0.18%	0.048%
157	11.106	11.068	11.126	VV	1371	32760	0.46%	0.124%
158	11.130	11.126	11.157	VV	839	10508	0.15%	0.040%
159	11.180	11.157	11.194	VV	1168	20127	0.28%	0.076%
160	11.203	11.194	11.244	VV	1090	24084	0.34%	0.091%
161	11.253	11.244	11.270	VV	730	9235	0.13%	0.035%
162	11.288	11.270	11.295	VV	901	10422	0.15%	0.040%
163	11.316	11.295	11.333	VV	1784	28519	0.40%	0.108%
164	11.343	11.333	11.372	VV	881	11929	0.17%	0.045%
165	11.383	11.372	11.435	VV	401	9651	0.14%	0.037%
166	11.461	11.435	11.482	PV	583	9410	0.13%	0.036%
167	11.525	11.482	11.557	VV	1521	32817	0.46%	0.125%
168	11.594	11.557	11.619	VV	1836	30040	0.42%	0.114%
169	11.640	11.619	11.653	VV	1175	16434	0.23%	0.062%
170	11.672	11.653	11.732	VV	1167	33017	0.46%	0.125%
171	11.752	11.732	11.771	VV	1739	21804	0.31%	0.083%
172	11.792	11.771	11.868	VV	451	16898	0.24%	0.064%
173	11.913	11.868	11.971	VV	639456	7140862	100.00%	27.118%
174	11.982	11.971	12.031	VV	2066	44118	0.62%	0.168%
175	12.073	12.031	12.099	VV	3372	62607	0.88%	0.238%
176	12.113	12.099	12.130	VV	574	8895	0.12%	0.034%
177	12.149	12.130	12.176	VV	542	11930	0.17%	0.045%
178	12.192	12.176	12.197	VV	592	6263	0.09%	0.024%
179	12.256	12.197	12.283	VV	2494	65978	0.92%	0.251%
180	12.318	12.283	12.342	VV	14856	204961	2.87%	0.778%
181	12.358	12.342	12.386	VV	4527	69565	0.97%	0.264%
182	12.398	12.386	12.413	VV	1406	19652	0.28%	0.075%
183	12.426	12.413	12.447	VV	1256	22653	0.32%	0.086%
184	12.483	12.447	12.496	VV	3117	64174	0.90%	0.244%
185	12.526	12.496	12.624	VV	72484	1001188	14.02%	3.802%
186	12.640	12.624	12.658	VV	1061	19824	0.28%	0.075%
187	12.672	12.658	12.720	VV	1208	39684	0.56%	0.151%
188	12.767	12.720	12.811	VV	12386	192414	2.69%	0.731%
189	12.843	12.811	12.886	VV	2582	59377	0.83%	0.225%
190	12.908	12.886	12.928	VV	2225	32480	0.45%	0.123%
191	12.937	12.928	12.952	VV	752	10144	0.14%	0.039%
192	12.975	12.952	13.037	VV	2479	50027	0.70%	0.190%
193	13.047	13.037	13.071	VV	341	4828	0.07%	0.018%
194	13.077	13.071	13.109	VV	299	2669	0.04%	0.010%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/03/2025

rteres

195	13.194	13.109	13.212	VV	728	23317	0.33%	0.089%
196	13.218	13.212	13.220	VV	415	1908		
197	13.234	13.220	13.245	VV	620	7669		
198	13.274	13.245	13.319	VV	5058	93513		
199	13.353	13.319	13.438	VV	71317	904864	12	
200	13.477	13.438	13.502	VV	1457	37506		
201	13.520	13.502	13.536	VV	1064	18159	0.25%	0.069%
202	13.541	13.536	13.551	VV	901	7552	0.11%	0.029%
203	13.577	13.551	13.618	VV	9246	138877	1.94%	0.527%
204	13.637	13.618	13.654	VV	863	17132	0.24%	0.065%
205	13.657	13.654	13.692	VV	863	15009	0.21%	0.057%
206	13.754	13.692	13.777	VV	3585	77166	1.08%	0.293%
207	13.811	13.777	13.836	VV	1696	45615	0.64%	0.173%
208	13.861	13.836	13.881	VV	822	17355	0.24%	0.066%
209	13.884	13.881	13.887	VV	686	2720	0.04%	0.010%
210	13.895	13.887	13.914	VV	788	11095	0.16%	0.042%
211	13.925	13.914	13.954	VV	741	15629	0.22%	0.059%
212	13.981	13.954	14.002	VV	1002	21000	0.29%	0.080%
213	14.055	14.002	14.084	VV	1381	39008	0.55%	0.148%
214	14.110	14.084	14.134	VV	1600	24565	0.34%	0.093%
215	14.154	14.134	14.167	VV	518	8725	0.12%	0.033%
216	14.171	14.167	14.183	VV	389	2912	0.04%	0.011%
217	14.201	14.183	14.206	VV	490	5034	0.07%	0.019%
218	14.211	14.206	14.265	VV	456	8328	0.12%	0.032%
219	14.272	14.265	14.296	VV	203	1392	0.02%	0.005%
220	14.342	14.307	14.364	PV	340	8405	0.12%	0.032%
221	14.368	14.364	14.371	VV	311	1187	0.02%	0.005%
222	14.375	14.371	14.392	VV	317	2972	0.04%	0.011%
223	14.415	14.392	14.427	VV	335	5852	0.08%	0.022%
224	14.442	14.427	14.462	VV	469	7186	0.10%	0.027%
225	14.486	14.462	14.492	VV	350	5102	0.07%	0.019%
226	14.519	14.492	14.527	VV	679	10264	0.14%	0.039%
227	14.548	14.527	14.577	VV	1058	22684	0.32%	0.086%
228	14.599	14.577	14.629	VV	746	18322	0.26%	0.070%
229	14.639	14.629	14.656	VV	536	7699	0.11%	0.029%
230	14.679	14.656	14.710	VV	678	16434	0.23%	0.062%
231	14.730	14.710	14.743	VV	503	7976	0.11%	0.030%
232	14.768	14.743	14.774	VV	748	11143	0.16%	0.042%
233	14.776	14.774	14.790	VV	751	6180	0.09%	0.023%
234	14.820	14.790	14.834	VV	807	19138	0.27%	0.073%
235	14.839	14.834	14.853	VV	858	8257	0.12%	0.031%
236	14.884	14.853	14.910	VV	1704	32078	0.45%	0.122%
237	14.928	14.910	14.961	VV	742	17145	0.24%	0.065%
238	14.995	14.961	15.012	VV	987	24075	0.34%	0.091%
239	15.024	15.012	15.042	VV	957	13520	0.19%	0.051%
240	15.054	15.042	15.112	VV	710	15697	0.22%	0.060%
241	15.142	15.112	15.156	VV	332	6268	0.09%	0.024%
242	15.217	15.156	15.297	VV	2078	76958	1.08%	0.292%
243	15.301	15.297	15.313	VV	179	1490	0.02%	0.006%
244	15.323	15.313	15.332	VV	221	1844	0.03%	0.007%
245	15.335	15.332	15.354	VV	211	1594	0.02%	0.006%
246	15.386	15.354	15.404	VV	1429	22629	0.32%	0.086%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

					rteres			
247	15.411	15.404	15.452	VV	921	13337	0.19%	0.051%
248	15.459	15.452	15.476	VV	210	1795		
249	15.489	15.476	15.504	VV	163	1903		
250	15.524	15.504	15.552	VV	286	4937		
251	15.579	15.552	15.611	VV	276	6054		
252	15.623	15.611	15.632	VV	212	2244		
253	15.640	15.632	15.646	VV	256	1542	0.02%	0.006%
254	15.648	15.646	15.657	VV	231	1068	0.01%	0.004%
255	15.696	15.657	15.715	VV	444	9511	0.13%	0.036%
256	15.719	15.715	15.724	VV	303	1621	0.02%	0.006%
257	15.758	15.724	15.821	VV	2167	46438	0.65%	0.176%
258	15.883	15.830	15.890	VV	526	11757	0.16%	0.045%
259	15.894	15.890	15.916	VV	498	7228	0.10%	0.027%
260	15.923	15.916	15.936	VV	497	5371	0.08%	0.020%
261	15.949	15.936	15.954	VV	546	5247	0.07%	0.020%
262	15.958	15.954	16.001	VV	554	11327	0.16%	0.043%
263	16.062	16.001	16.075	VV	674	20717	0.29%	0.079%
264	16.095	16.075	16.129	VV	834	19113	0.27%	0.073%
265	16.134	16.129	16.175	VV	412	7578	0.11%	0.029%
266	16.205	16.175	16.219	VV	592	10016	0.14%	0.038%
267	16.242	16.219	16.270	VV	1255	21923	0.31%	0.083%
268	16.292	16.270	16.342	VV	757	16713	0.23%	0.063%
269	16.376	16.342	16.393	VV	226	3478	0.05%	0.013%
270	16.452	16.429	16.457	VV	164	1440	0.02%	0.005%
271	16.463	16.457	16.484	VV	108	1137	0.02%	0.004%
272	16.526	16.501	16.538	VV	231	2485	0.03%	0.009%
273	16.559	16.550	16.568	VV	187	1122	0.02%	0.004%
274	16.586	16.568	16.601	PV	191	2060	0.03%	0.008%
275	16.616	16.601	16.637	VV	283	4211	0.06%	0.016%
276	16.659	16.637	16.664	VV	261	3129	0.04%	0.012%
277	16.670	16.664	16.681	VV	250	2090	0.03%	0.008%
278	16.693	16.681	16.697	VV	308	2305	0.03%	0.009%
279	16.727	16.697	16.748	VV	523	11103	0.16%	0.042%
280	16.770	16.748	16.776	VV	577	8134	0.11%	0.031%
281	16.810	16.776	16.861	VV	3210	66599	0.93%	0.253%
282	16.887	16.861	16.895	VV	652	12347	0.17%	0.047%
283	16.905	16.895	16.920	VV	676	8838	0.12%	0.034%
284	16.943	16.920	17.001	VV	705	26622	0.37%	0.101%
285	17.030	17.001	17.053	VV	527	14042	0.20%	0.053%
286	17.091	17.053	17.106	VV	669	16649	0.23%	0.063%
287	17.116	17.106	17.137	VV	704	11194	0.16%	0.043%
288	17.163	17.137	17.176	VV	1030	18592	0.26%	0.071%
289	17.194	17.176	17.223	VV	1365	27100	0.38%	0.103%
290	17.241	17.223	17.282	VV	864	18295	0.26%	0.069%
291	17.299	17.282	17.376	VV	401	13336	0.19%	0.051%
292	17.381	17.376	17.421	VV	152	2137	0.03%	0.008%
293	17.435	17.421	17.457	VV	119	1377	0.02%	0.005%
294	17.525	17.457	17.554	PV	245	7763	0.11%	0.029%
295	17.574	17.554	17.584	VV	161	2081	0.03%	0.008%
296	17.648	17.584	17.676	VV	666	16091	0.23%	0.061%
297	17.683	17.676	17.699	VV	249	2947	0.04%	0.011%
298	17.739	17.699	17.769	VV	399	10326	0.14%	0.039%
299	17.790	17.769	17.811	VV	295	5179	0.07%	0.020%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-002-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

					rteres			
300	17.907	17.811	17.966	VV	405	27471	0.38%	0.104%
301	18.082	17.966	18.162	VV	1620	58978		
302	18.174	18.162	18.182	VV	233	2455		
303	18.237	18.182	18.281	VV	367	14464		
304	18.314	18.281	18.337	VV	130	2581		
305	18.363	18.337	18.387	PV	234	3736		
306	18.404	18.387	18.421	VV	124	1462	0.02%	0.006%
307	18.459	18.421	18.472	PV	109	1640	0.02%	0.006%
308	18.509	18.472	18.522	PV	4665	66802	0.94%	0.254%
309	18.543	18.522	18.709	VV	5157	212586	2.98%	0.807%
310	18.759	18.709	18.854	VV	2925	117349	1.64%	0.446%
311	18.917	18.854	18.993	VV	1933	55293	0.77%	0.210%
			Sum of corrected areas:			26332588		

Aromatic EPH 031725.M Wed Apr 02 02:30:59 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
03/28/25 08:10	03/28/25 17:25	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.47	J	1	0.15	1.06	mg/kg	FC068434.D
Aliphatic C12-C16	Aliphatic C12-C16	1.16		1	0.12	0.70	mg/kg	FC068434.D
Aliphatic C16-C21	Aliphatic C16-C21	0.53	J	1	0.14	1.06	mg/kg	FC068434.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.41	mg/kg	FC068434.D
Aliphatic C28-C40	Aliphatic C28-C40	1.41	J	1	1.25	2.11	mg/kg	FC068434.D
Aromatic C10-C12	Aromatic C10-C12	0.62	J	1	0.13	0.70	mg/kg	FG015582.D
Aromatic C12-C16	Aromatic C12-C16	2.60		1	0.24	1.06	mg/kg	FG015582.D
Aromatic C16-C21	Aromatic C16-C21	2.77		1	0.42	1.76	mg/kg	FG015582.D
Aromatic C21-C36	Aromatic C21-C36	1.26	U	1	1.26	2.82	mg/kg	FG015582.D
Total AliphaticEPH	Total AliphaticEPH	3.57	J		2.21	6.34	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.99	J		2.05	6.34	mg/kg	
Total EPH	Total EPH	9.56	J		4.26	12.7	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
FC068434.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.47	J	0.15	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.16		0.12	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.53	J	0.14	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.56	U	0.56	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.41	J	1.25	2.11	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.2		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-11	Acq On:	28 Mar 2025 17:25
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP/AJ
Data file:	FC068434.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	1078478	6.644	300	ug/ml
Aliphatic C12-C16	6.361	9.742	2779150	16.523	200	ug/ml
Aliphatic C16-C21	9.743	13.094	1290589	7.525	300	ug/ml
Aliphatic C21-C28	13.095	16.746	1171075	6.935	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2716127	19.946	600	ug/ml
Aliphatic EPH	3.100	21.538	9035419	57.574		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	4048332	27.16		ug/ml
Aliphatic C9-C28	3.100	16.746	6319292	37.627	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068434.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:25
Operator : YP/AJ
Sample : Q1664-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-003-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	4048332	27.156 ug/ml
Spiked Amount 50.000		Recovery = 54.31%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

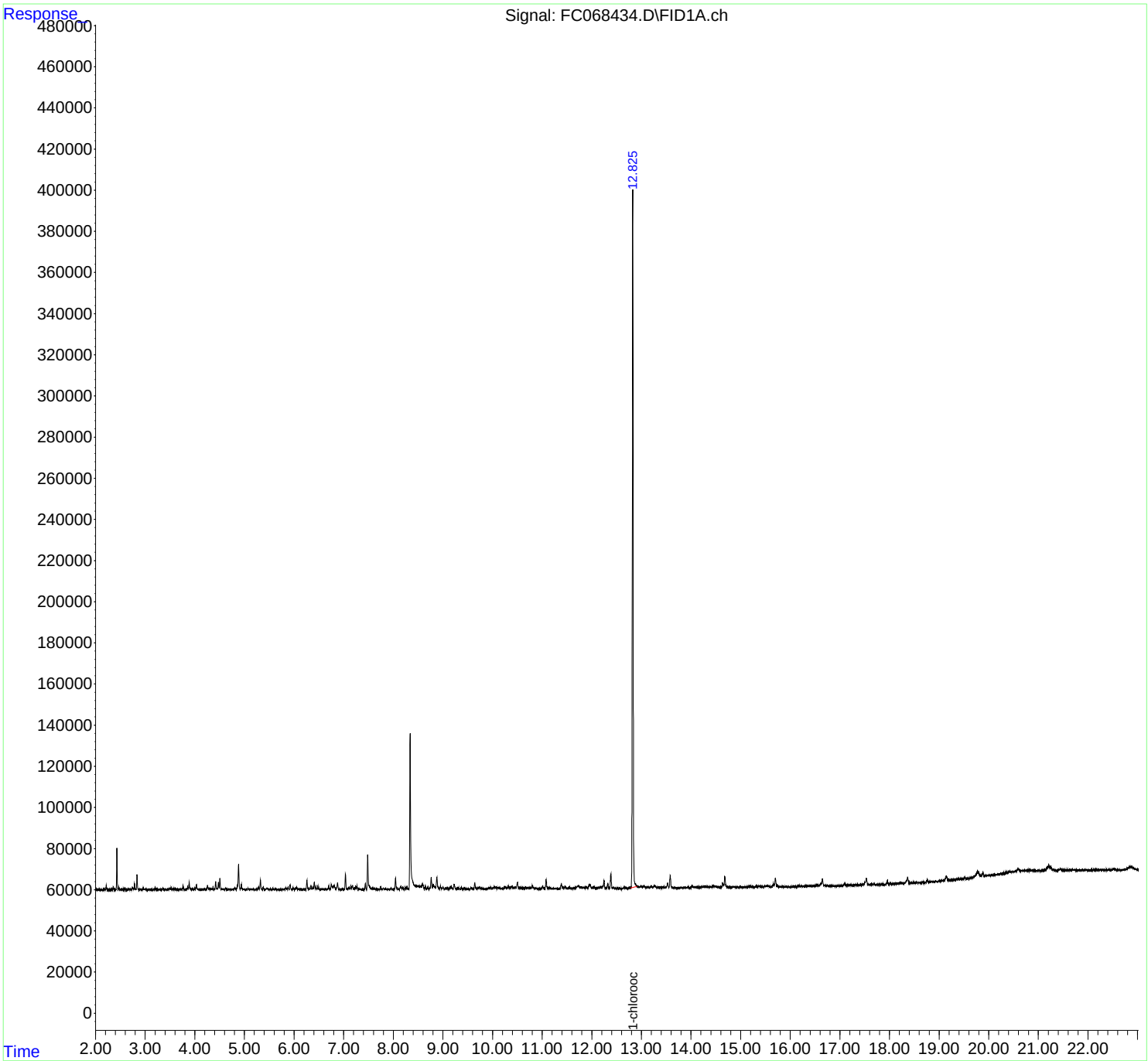
Quantitation Report (QT Reviewed)

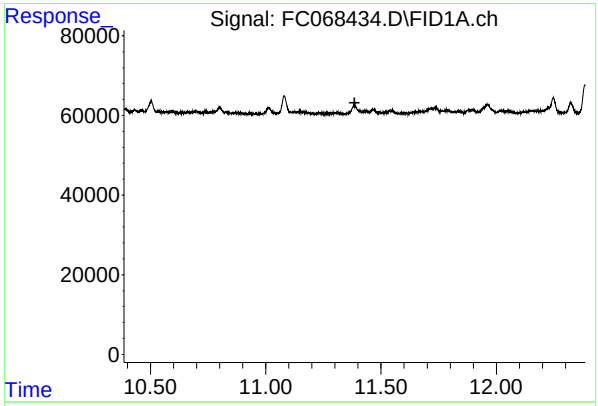
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068434.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:25
Operator : YP/AJ
Sample : Q1664-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-003-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

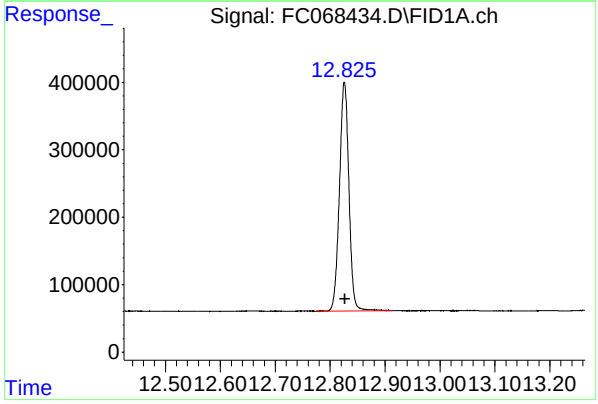




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-003-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 4048332
Conc: 27.16 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068434.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:25
Sample : Q1664-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.358	2.304	2.394	BV	1360	11904	0.29%	0.087%
2	2.430	2.394	2.458	PV	20003	156832	3.80%	1.146%
3	2.471	2.458	2.510	VV	1226	15079	0.37%	0.110%
4	2.521	2.510	2.543	VV	235	3761	0.09%	0.027%
5	2.557	2.543	2.578	VV	351	4809	0.12%	0.035%
6	2.590	2.578	2.618	VV	821	8844	0.21%	0.065%
7	2.630	2.618	2.645	VV	205	2380	0.06%	0.017%
8	2.658	2.645	2.690	VV	273	4469	0.11%	0.033%
9	2.701	2.690	2.714	VV	152	1843	0.04%	0.013%
10	2.750	2.714	2.771	VV	1052	18875	0.46%	0.138%
11	2.786	2.771	2.813	VV	3062	28776	0.70%	0.210%
12	2.835	2.813	2.887	VV	7363	71436	1.73%	0.522%
13	2.913	2.887	2.931	VV	287	5507	0.13%	0.040%
14	2.958	2.931	3.051	VV	1068	18922	0.46%	0.138%
15	3.061	3.051	3.078	VV	156	1486	0.04%	0.011%
16	3.098	3.078	3.116	VV	185	2646	0.06%	0.019%
17	3.136	3.116	3.167	VV	190	3868	0.09%	0.028%
18	3.203	3.167	3.280	VV	994	18064	0.44%	0.132%
19	3.308	3.280	3.334	VV	157	3919	0.09%	0.029%
20	3.357	3.334	3.387	VV	828	10448	0.25%	0.076%
21	3.399	3.387	3.439	VV	309	4701	0.11%	0.034%
22	3.494	3.439	3.506	VV	760	13060	0.32%	0.095%
23	3.520	3.506	3.550	VV	942	11078	0.27%	0.081%
24	3.568	3.550	3.583	VV	586	6771	0.16%	0.049%
25	3.596	3.583	3.622	VV	417	6348	0.15%	0.046%
26	3.634	3.622	3.658	VV	199	2686	0.07%	0.020%
27	3.696	3.658	3.714	VV	428	7600	0.18%	0.056%
28	3.723	3.714	3.741	VV	279	3418	0.08%	0.025%
29	3.763	3.741	3.815	VV	2211	27005	0.65%	0.197%
30	3.859	3.815	3.871	VV	1328	16384	0.40%	0.120%
31	3.887	3.871	3.937	VV	3717	41090	1.00%	0.300%
32	3.953	3.937	3.976	VV	410	5854	0.14%	0.043%
33	4.033	3.976	4.068	VV	2701	40323	0.98%	0.295%
34	4.078	4.068	4.128	VV	325	7240	0.18%	0.053%
35	4.203	4.128	4.221	VV	309	10470	0.25%	0.077%
36	4.256	4.221	4.338	VV	2115	38977	0.94%	0.285%

rteres

37	4.367	4.338	4.391	VV	981	15512	0.38%	0.113%
38	4.421	4.391	4.441	VV	3997	45488	1.10%	0.332%
39	4.476	4.441	4.490	VV	3678	43961	1.07%	0.321%
40	4.506	4.490	4.591	VV	5581	67998	1.65%	0.497%
41	4.620	4.591	4.671	VV	760	14972	0.36%	0.109%
42	4.695	4.671	4.739	VV	382	8185	0.20%	0.060%
43	4.755	4.739	4.774	VV	249	3412	0.08%	0.025%
44	4.804	4.774	4.834	VV	725	12494	0.30%	0.091%
45	4.882	4.834	4.916	VV	12412	168624	4.09%	1.232%
46	4.938	4.916	4.976	VV	2657	33669	0.82%	0.246%
47	4.987	4.976	5.028	VV	295	5434	0.13%	0.040%
48	5.045	5.028	5.053	VV	189	2118	0.05%	0.015%
49	5.072	5.053	5.097	VV	726	9173	0.22%	0.067%
50	5.111	5.097	5.141	VV	296	5400	0.13%	0.039%
51	5.178	5.141	5.219	VV	274	8688	0.21%	0.063%
52	5.250	5.219	5.265	VV	544	7020	0.17%	0.051%
53	5.285	5.265	5.303	VV	1301	17073	0.41%	0.125%
54	5.323	5.303	5.354	VV	4768	54667	1.32%	0.399%
55	5.380	5.354	5.413	VV	1267	16622	0.40%	0.121%
56	5.459	5.413	5.491	VV	552	15384	0.37%	0.112%
57	5.530	5.491	5.544	VV	285	6024	0.15%	0.044%
58	5.572	5.544	5.601	VV	646	10350	0.25%	0.076%
59	5.629	5.601	5.664	VV	445	8318	0.20%	0.061%
60	5.690	5.664	5.711	VV	177	2697	0.07%	0.020%
61	5.732	5.711	5.761	VV	246	3579	0.09%	0.026%
62	5.782	5.761	5.793	VV	259	3626	0.09%	0.026%
63	5.837	5.793	5.858	VV	818	17107	0.41%	0.125%
64	5.879	5.858	5.899	VV	1189	15553	0.38%	0.114%
65	5.920	5.899	5.956	VV	2479	32405	0.79%	0.237%
66	5.981	5.956	6.016	VV	1034	15867	0.38%	0.116%
67	6.051	6.016	6.085	VV	1096	23474	0.57%	0.172%
68	6.101	6.085	6.117	VV	245	3629	0.09%	0.027%
69	6.136	6.117	6.204	VV	248	8442	0.20%	0.062%
70	6.260	6.204	6.288	VV	4718	60173	1.46%	0.440%
71	6.300	6.288	6.321	VV	611	8514	0.21%	0.062%
72	6.341	6.321	6.360	VV	2013	23522	0.57%	0.172%
73	6.377	6.360	6.390	VV	1300	14379	0.35%	0.105%
74	6.408	6.390	6.427	VV	3667	41380	1.00%	0.302%
75	6.440	6.427	6.458	VV	1302	14703	0.36%	0.107%
76	6.480	6.458	6.521	VV	1965	24961	0.60%	0.182%
77	6.532	6.521	6.561	VV	277	4704	0.11%	0.034%
78	6.587	6.561	6.607	VV	274	4616	0.11%	0.034%
79	6.624	6.607	6.643	VV	309	4756	0.12%	0.035%
80	6.654	6.643	6.678	VV	268	3273	0.08%	0.024%
81	6.699	6.678	6.728	VV	1949	22936	0.56%	0.168%
82	6.752	6.728	6.785	VV	2709	47998	1.16%	0.351%
83	6.801	6.785	6.845	VV	2016	45476	1.10%	0.332%
84	6.877	6.845	6.904	VV	3368	49279	1.19%	0.360%
85	6.916	6.904	6.941	VV	361	4752	0.12%	0.035%
86	6.981	6.941	7.001	VV	652	12257	0.30%	0.090%
87	7.038	7.001	7.078	VV	7549	85849	2.08%	0.627%
88	7.099	7.078	7.129	VV	1011	20125	0.49%	0.147%
89	7.146	7.129	7.158	VV	1432	15857	0.38%	0.116%

rteres

90	7.177	7.158	7.199	VV	1977	28017	0.68%	0.205%
91	7.215	7.199	7.223	VV	700	7877	0.19%	0.058%
92	7.240	7.223	7.254	VV	1277	17413	0.42%	0.127%
93	7.269	7.254	7.294	VV	1838	21952	0.53%	0.160%
94	7.304	7.294	7.370	VV	285	7177	0.17%	0.052%
95	7.385	7.370	7.414	PV	299	3430	0.08%	0.025%
96	7.438	7.414	7.461	VV	3022	33643	0.82%	0.246%
97	7.485	7.461	7.570	VV	17078	226891	5.50%	1.658%
98	7.584	7.570	7.594	VV	707	8087	0.20%	0.059%
99	7.604	7.594	7.622	VV	626	8064	0.20%	0.059%
100	7.631	7.622	7.679	VV	449	10269	0.25%	0.075%
101	7.699	7.679	7.720	VV	570	7386	0.18%	0.054%
102	7.743	7.720	7.781	VV	1499	19272	0.47%	0.141%
103	7.799	7.781	7.817	VV	711	8093	0.20%	0.059%
104	7.837	7.817	7.891	VV	574	12600	0.31%	0.092%
105	7.954	7.891	7.974	VV	605	9985	0.24%	0.073%
106	7.990	7.974	8.018	VV	235	4672	0.11%	0.034%
107	8.046	8.018	8.120	VV	5655	79418	1.92%	0.580%
108	8.157	8.120	8.177	VV	1251	27498	0.67%	0.201%
109	8.193	8.177	8.221	VV	1056	15538	0.38%	0.114%
110	8.239	8.221	8.259	VV	983	12364	0.30%	0.090%
111	8.278	8.259	8.314	VV	1338	17000	0.41%	0.124%
112	8.341	8.314	8.481	VV	75805	1079171	26.15%	7.886%
113	8.503	8.481	8.519	VV	1997	37837	0.92%	0.276%
114	8.533	8.519	8.566	VV	1700	40605	0.98%	0.297%
115	8.587	8.566	8.626	VV	2371	58324	1.41%	0.426%
116	8.645	8.626	8.676	VV	1386	22321	0.54%	0.163%
117	8.697	8.676	8.721	VV	1057	17928	0.43%	0.131%
118	8.765	8.721	8.785	VV	5866	80015	1.94%	0.585%
119	8.801	8.785	8.846	VV	2471	56885	1.38%	0.416%
120	8.879	8.846	8.934	VV	5837	106683	2.59%	0.780%
121	8.952	8.934	8.974	VV	1625	21663	0.53%	0.158%
122	9.001	8.974	9.037	VV	1100	18911	0.46%	0.138%
123	9.080	9.037	9.127	VV	674	22224	0.54%	0.162%
124	9.165	9.127	9.204	VV	1150	31751	0.77%	0.232%
125	9.229	9.204	9.268	VV	2516	38536	0.93%	0.282%
126	9.302	9.268	9.347	VV	504	14783	0.36%	0.108%
127	9.371	9.347	9.404	VV	1110	15934	0.39%	0.116%
128	9.423	9.404	9.497	VV	516	16372	0.40%	0.120%
129	9.509	9.497	9.538	VV	160	2487	0.06%	0.018%
130	9.563	9.538	9.618	VV	690	14839	0.36%	0.108%
131	9.644	9.618	9.694	VV	3084	49674	1.20%	0.363%
132	9.720	9.694	9.771	VV	931	28260	0.68%	0.207%
133	9.787	9.771	9.804	VV	510	8556	0.21%	0.063%
134	9.812	9.804	9.842	VV	349	5235	0.13%	0.038%
135	9.857	9.842	9.868	PV	106	1202	0.03%	0.009%
136	9.918	9.868	9.934	VV	590	12169	0.29%	0.089%
137	9.959	9.934	9.999	VV	1003	24112	0.58%	0.176%
138	10.035	9.999	10.051	VV	1201	23841	0.58%	0.174%
139	10.070	10.051	10.088	VV	1111	18247	0.44%	0.133%
140	10.120	10.088	10.134	VV	779	17360	0.42%	0.127%
141	10.148	10.134	10.167	VV	754	10483	0.25%	0.077%

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142	10.239	10.167	10.253	VV	1192	27642	0.67%	0.202%
143	10.271	10.253	10.292	VV	1037	18571	0.45%	0.136%
144	10.319	10.292	10.339	VV	1293	25822	0.63%	0.189%
145	10.381	10.339	10.414	VV	1366	43264	1.05%	0.316%
146	10.432	10.414	10.446	VV	1115	16285	0.39%	0.119%
147	10.460	10.446	10.474	VV	995	14608	0.35%	0.107%
148	10.503	10.474	10.561	VV	3298	67481	1.64%	0.493%
149	10.567	10.561	10.578	VV	594	6079	0.15%	0.044%
150	10.594	10.578	10.620	VV	803	14104	0.34%	0.103%
151	10.632	10.620	10.644	VV	440	5646	0.14%	0.041%
152	10.662	10.644	10.674	VV	621	9188	0.22%	0.067%
153	10.697	10.674	10.722	VV	788	16793	0.41%	0.123%
154	10.741	10.722	10.761	VV	613	11658	0.28%	0.085%
155	10.801	10.761	10.822	VV	1669	33558	0.81%	0.245%
156	10.831	10.822	10.854	VV	600	8364	0.20%	0.061%
157	10.868	10.854	10.921	VV	363	10713	0.26%	0.078%
158	10.930	10.921	10.961	VV	155	2190	0.05%	0.016%
159	11.012	10.961	11.051	VV	1596	27682	0.67%	0.202%
160	11.080	11.051	11.114	VV	4623	66086	1.60%	0.483%
161	11.127	11.114	11.141	VV	565	8477	0.21%	0.062%
162	11.148	11.141	11.211	VV	550	15979	0.39%	0.117%
163	11.232	11.211	11.254	VV	357	5059	0.12%	0.037%
164	11.297	11.254	11.346	VV	292	8808	0.21%	0.064%
165	11.384	11.346	11.447	VV	2263	51979	1.26%	0.380%
166	11.465	11.447	11.502	VV	1181	22014	0.53%	0.161%
167	11.545	11.502	11.578	VV	902	21742	0.53%	0.159%
168	11.590	11.578	11.614	VV	285	4528	0.11%	0.033%
169	11.673	11.614	11.684	VV	651	18362	0.45%	0.134%
170	11.736	11.684	11.761	VV	1536	50199	1.22%	0.367%
171	11.787	11.761	11.817	VV	927	24663	0.60%	0.180%
172	11.837	11.817	11.859	VV	671	12998	0.32%	0.095%
173	11.880	11.859	11.921	VV	907	26081	0.63%	0.191%
174	11.961	11.921	12.000	VV	2339	58895	1.43%	0.430%
175	12.026	12.000	12.085	VV	804	29161	0.71%	0.213%
176	12.154	12.085	12.181	VV	791	30481	0.74%	0.223%
177	12.247	12.181	12.301	VV	4068	88515	2.15%	0.647%
178	12.324	12.301	12.354	VV	2794	39146	0.95%	0.286%
179	12.384	12.354	12.433	VV	7239	100473	2.44%	0.734%
180	12.447	12.433	12.484	VV	520	10242	0.25%	0.075%
181	12.501	12.484	12.513	VV	241	3547	0.09%	0.026%
182	12.525	12.513	12.544	VV	251	3516	0.09%	0.026%
183	12.553	12.544	12.581	VV	220	2155	0.05%	0.016%
184	12.586	12.581	12.608	PV	57	812	0.02%	0.006%
185	12.664	12.608	12.686	VV	552	15341	0.37%	0.112%
186	12.706	12.686	12.728	VV	338	6528	0.16%	0.048%
187	12.750	12.728	12.778	VV	503	11005	0.27%	0.080%
188	12.826	12.778	12.948	VV	338971	4126114	100.00%	30.150%
189	12.988	12.948	13.031	VV	1141	44257	1.07%	0.323%
190	13.055	13.031	13.083	VV	1178	28687	0.70%	0.210%
191	13.105	13.083	13.168	VV	689	29669	0.72%	0.217%
192	13.192	13.168	13.227	VV	1011	27543	0.67%	0.201%
193	13.280	13.227	13.311	VV	1285	45022	1.09%	0.329%
194	13.329	13.311	13.354	VV	576	11936	0.29%	0.087%

195	13.376	13.354	13.403	VV	553	12824	0.31%	0.094%
196	13.448	13.403	13.471	VV	803	23242	0.56%	0.170%
197	13.487	13.471	13.498	VV	579	7773	0.19%	0.057%
198	13.527	13.498	13.553	VV	2591	43596	1.06%	0.319%
199	13.580	13.553	13.650	VV	6389	103300	2.50%	0.755%
200	13.666	13.650	13.731	VV	265	8801	0.21%	0.064%
201	13.742	13.731	13.752	VV	118	772	0.02%	0.006%
202	13.826	13.752	13.861	PV	346	13339	0.32%	0.097%
203	13.873	13.861	13.888	VV	291	3698	0.09%	0.027%
204	13.909	13.888	13.946	VV	326	8388	0.20%	0.061%
205	13.956	13.946	13.980	VV	297	4374	0.11%	0.032%
206	14.019	13.980	14.081	VV	1245	37301	0.90%	0.273%
207	14.139	14.081	14.174	VV	563	24210	0.59%	0.177%
208	14.232	14.174	14.244	VV	568	18695	0.45%	0.137%
209	14.285	14.244	14.371	VV	800	44023	1.07%	0.322%
210	14.398	14.371	14.414	VV	651	13495	0.33%	0.099%
211	14.450	14.414	14.471	VV	898	23999	0.58%	0.175%
212	14.486	14.471	14.568	VV	839	28975	0.70%	0.212%
213	14.637	14.568	14.655	VV	2247	43051	1.04%	0.315%
214	14.680	14.655	14.805	VV	5442	105843	2.57%	0.773%
215	14.816	14.805	14.827	VV	132	1748	0.04%	0.013%
216	14.851	14.827	14.908	VV	487	13961	0.34%	0.102%
217	14.915	14.908	14.934	VV	187	2790	0.07%	0.020%
218	14.951	14.934	14.972	VV	251	3939	0.10%	0.029%
219	14.983	14.972	15.006	VV	287	3985	0.10%	0.029%
220	15.042	15.006	15.068	VV	220	6168	0.15%	0.045%
221	15.106	15.068	15.141	VV	331	10701	0.26%	0.078%
222	15.164	15.141	15.174	VV	449	6553	0.16%	0.048%
223	15.202	15.174	15.281	VV	577	23402	0.57%	0.171%
224	15.350	15.281	15.368	VV	599	21324	0.52%	0.156%
225	15.387	15.368	15.448	VV	538	20910	0.51%	0.153%
226	15.458	15.448	15.464	VV	361	3061	0.07%	0.022%
227	15.515	15.464	15.527	VV	639	18912	0.46%	0.138%
228	15.551	15.527	15.621	VV	789	27173	0.66%	0.199%
229	15.660	15.621	15.678	VV	1634	27341	0.66%	0.200%
230	15.699	15.678	15.844	VV	4249	87489	2.12%	0.639%
231	15.877	15.844	15.961	VV	274	7529	0.18%	0.055%
232	16.005	15.961	16.041	PV	182	5387	0.13%	0.039%
233	16.058	16.041	16.077	VV	162	2473	0.06%	0.018%
234	16.091	16.077	16.104	VV	175	1790	0.04%	0.013%
235	16.112	16.104	16.131	VV	86	1984	0.05%	0.014%
236	16.184	16.131	16.216	VV	630	16334	0.40%	0.119%
237	16.230	16.216	16.298	VV	302	10977	0.27%	0.080%
238	16.341	16.298	16.365	VV	454	14362	0.35%	0.105%
239	16.371	16.365	16.378	VV	454	3214	0.08%	0.023%
240	16.393	16.378	16.405	VV	462	6319	0.15%	0.046%
241	16.414	16.405	16.460	VV	397	11078	0.27%	0.081%
242	16.482	16.460	16.506	VV	472	10830	0.26%	0.079%
243	16.555	16.506	16.587	VV	552	22760	0.55%	0.166%
244	16.613	16.587	16.625	VV	1480	22223	0.54%	0.162%
245	16.647	16.625	16.724	VV	3900	70489	1.71%	0.515%
246	16.756	16.724	16.834	VV	463	16942	0.41%	0.124%

247	16.858	16.834	16.894	VV	228	5290	0.13%	0.039%
248	16.945	16.894	16.968	PV	196	4981	0.12%	0.036%
249	16.982	16.968	17.003	VV	155	2086	0.05%	0.015%
250	17.026	17.003	17.053	VV	188	3320	0.08%	0.024%
251	17.097	17.053	17.130	VV	1112	21116	0.51%	0.154%
252	17.145	17.130	17.168	VV	198	4094	0.10%	0.030%
253	17.192	17.168	17.220	VV	293	7593	0.18%	0.055%
254	17.236	17.220	17.259	VV	340	5813	0.14%	0.042%
255	17.350	17.259	17.378	VV	437	18988	0.46%	0.139%
256	17.398	17.378	17.433	VV	338	8551	0.21%	0.062%
257	17.533	17.433	17.598	VV	3331	89019	2.16%	0.650%
258	17.677	17.598	17.738	VV	477	22208	0.54%	0.162%
259	17.744	17.738	17.774	VV	109	873	0.02%	0.006%
260	17.822	17.774	17.851	PV	194	3892	0.09%	0.028%
261	17.871	17.851	17.904	VV	106	1639	0.04%	0.012%
262	17.956	17.904	17.990	PV	1496	27013	0.65%	0.197%
263	18.015	17.990	18.041	VV	326	5533	0.13%	0.040%
264	18.051	18.041	18.060	VV	155	1516	0.04%	0.011%
265	18.085	18.060	18.105	VV	297	5362	0.13%	0.039%
266	18.119	18.105	18.131	VV	226	2726	0.07%	0.020%
267	18.231	18.131	18.254	VV	403	19869	0.48%	0.145%
268	18.267	18.254	18.277	VV	294	3431	0.08%	0.025%
269	18.286	18.277	18.301	VV	274	3403	0.08%	0.025%
270	18.363	18.301	18.455	VV	3066	78370	1.90%	0.573%
271	18.491	18.455	18.515	VV	291	8606	0.21%	0.063%
272	18.525	18.515	18.579	VV	258	7155	0.17%	0.052%
273	18.624	18.579	18.651	VV	161	4394	0.11%	0.032%
274	18.664	18.651	18.674	PV	104	710	0.02%	0.005%
275	18.763	18.674	18.794	VV	1180	21257	0.52%	0.155%
276	18.843	18.794	18.861	VV	225	6339	0.15%	0.046%
277	18.879	18.861	18.924	VV	225	6070	0.15%	0.044%
278	18.938	18.924	18.976	VV	370	7218	0.17%	0.053%
279	19.006	18.976	19.028	VV	328	6586	0.16%	0.048%
280	19.145	19.028	19.228	VV	2499	80400	1.95%	0.587%
281	19.384	19.228	19.403	VV	606	42555	1.03%	0.311%
282	19.408	19.403	19.448	VV	480	12017	0.29%	0.088%
283	19.457	19.448	19.493	VV	436	10348	0.25%	0.076%
284	19.523	19.493	19.573	VV	951	27963	0.68%	0.204%
285	19.583	19.573	19.607	VV	493	8690	0.21%	0.064%
286	19.775	19.607	19.848	VV	3369	227130	5.50%	1.660%
287	19.884	19.848	19.919	VV	2537	74985	1.82%	0.548%
288	19.978	19.919	20.001	VV	1206	55778	1.35%	0.408%
289	20.072	20.001	20.081	VV	1273	55229	1.34%	0.404%
290	20.154	20.081	20.171	VV	1467	71334	1.73%	0.521%
291	20.243	20.171	20.271	VV	1790	89471	2.17%	0.654%
292	20.415	20.271	20.474	VV	2371	234509	5.68%	1.714%
293	20.593	20.474	20.637	VV	3327	237391	5.75%	1.735%
294	20.699	20.637	20.714	VV	2381	106632	2.58%	0.779%
295	20.739	20.714	20.771	VV	2394	79975	1.94%	0.584%
296	20.797	20.771	20.874	VV	2307	135499	3.28%	0.990%
297	20.887	20.874	20.898	VV	2005	28286	0.69%	0.207%
298	20.917	20.898	20.961	VV	2036	71596	1.74%	0.523%
299	20.995	20.961	21.038	VV	1882	80677	1.96%	0.590%

rteres

300	21.212	21.038	21.387	VV	3592	425684	10.32%	3.111%
301	21.439	21.387	21.491	VV	1745	85125	2.06%	0.622%
302	21.536	21.491	21.560	VV	1089	42890	1.04%	0.313%
303	21.574	21.560	21.598	VV	933	20950	0.51%	0.153%
304	21.628	21.598	21.658	VV	957	32446	0.79%	0.237%
305	21.676	21.658	21.725	VV	929	33469	0.81%	0.245%
306	21.746	21.725	21.766	VV	767	16698	0.40%	0.122%
307	21.782	21.766	21.795	VV	621	10179	0.25%	0.074%
308	21.804	21.795	21.834	VV	589	11892	0.29%	0.087%
309	21.846	21.834	21.874	VV	495	10771	0.26%	0.079%
310	21.898	21.874	21.918	VV	474	10025	0.24%	0.073%
311	21.930	21.918	21.948	VV	431	6400	0.16%	0.047%
312	21.953	21.948	21.978	VV	347	4871	0.12%	0.036%
313	22.019	21.978	22.042	VV	207	5593	0.14%	0.041%
314	22.070	22.042	22.083	VV	167	2909	0.07%	0.021%

Sum of corrected areas: 13685300

Aliphatic EPH 032625.M Sat Mar 29 02:52:37 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
FG015582.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.62	J	0.13	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16		2.60		0.24	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21		2.77		0.42	1.76	mg/kg
Aromatic C21-C36	Aromatic C21-C36		1.26	U	1.26	2.82	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		50.3		40 - 140	101%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		22.0		40 - 140	44%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-11	Acq On:	28 Mar 2025 20:53
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP\AJ
Data file:	FG015582.D	Misc:	
Instrument:	FID_G	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1177467	8.787	200	ug/ml
Aromatic C12-C16	6.330	9.039	5052472	36.839	300	ug/ml
Aromatic C16-C21	9.040	13.371	5487908	39.365	500	ug/ml
Aromatic C21-C36	13.372	18.837	2086505	16.026	800	ug/ml
Aromatic EPH	4.449	18.837	13804352	101.017		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	6147217	50.32		ug/ml
2-Flurobiphenyl (SURR)	8.841	8.841	3315697	40.11		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	3209047	22.01		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015582.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:53
Operator : YP\AJ
Sample : Q1664-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:15:23 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...	7.964	6147217	50.323 ug/ml
Spiked Amount 50.000		Recovery =	100.65%
6) S 2-Flurobiphenyl (SURR)	8.841	3315697	40.114 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	80.23%
11) S ortho-Terphenyl (SURR)	11.913	3209047	22.006 ug/ml
Spiked Amount 50.000		Recovery =	44.01%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015582.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:53
Operator : YP\AJ
Sample : Q1664-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

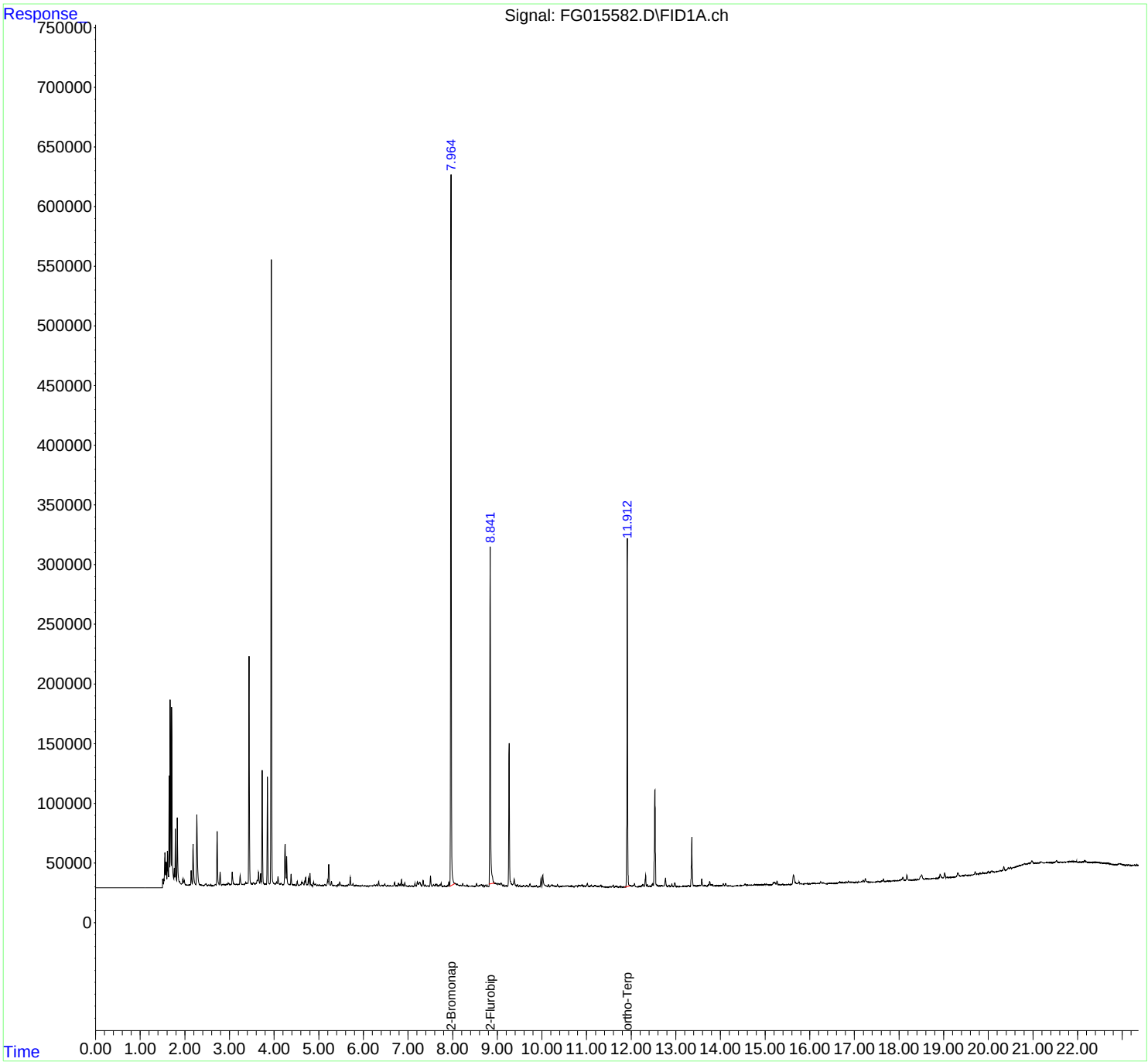
Integration File: autoint1.e
Quant Time: Mar 29 03:15:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

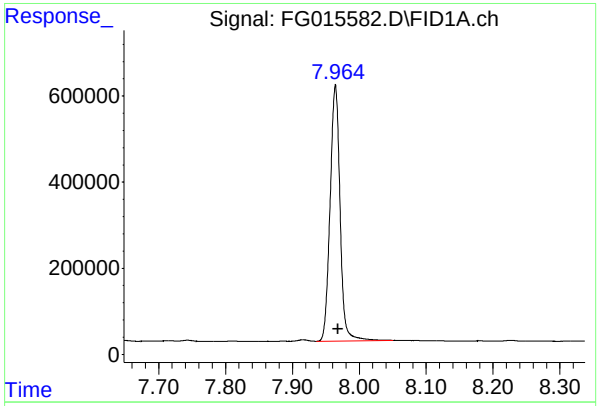
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





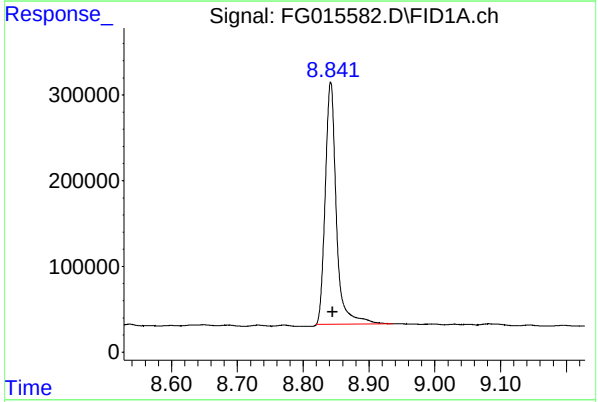
#4 2-Bromonaphthalene (SURR)

R.T.: 7.964 min
Delta R.T.: -0.004 mi
Response: 6147217
Conc: 50.32 ug/m

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01

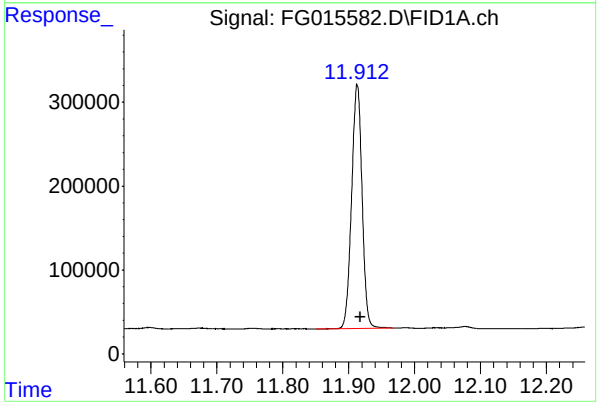
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.004 min
Response: 3315697
Conc: 40.11 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.005 min
Response: 3209047
Conc: 22.01 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03282
Data File : FG015582.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:53
Sample : Q1664-11
Misc :
ALS Vial : 80 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	4.381	4.360	4.447	PV	9140	95856	1.52%	0.407%
2	4.460	4.447	4.482	VV	503	5778	0.09%	0.025%
3	4.518	4.495	4.545	VV	3463	38460	0.61%	0.163%
4	4.554	4.545	4.568	VV	218	2116	0.03%	0.009%
5	4.618	4.568	4.633	VV	2630	42772	0.68%	0.182%
6	4.646	4.633	4.670	VV	2305	32405	0.51%	0.138%
7	4.707	4.670	4.732	VV	6849	110725	1.76%	0.471%
8	4.745	4.732	4.752	VV	710	6903	0.11%	0.029%
9	4.771	4.752	4.787	VV	6226	66838	1.06%	0.284%
10	4.804	4.787	4.851	VV	10306	113528	1.80%	0.482%
11	4.857	4.851	4.865	VV	165	1033	0.02%	0.004%
12	4.886	4.865	4.917	VV	3027	40132	0.64%	0.171%
13	4.932	4.917	4.957	VV	1444	19931	0.32%	0.085%
14	4.962	4.957	4.966	VV	261	1213	0.02%	0.005%
15	4.978	4.966	4.994	VV	419	4876	0.08%	0.021%
16	5.014	4.994	5.039	VV	903	11124	0.18%	0.047%
17	5.081	5.050	5.092	VV	216	3592	0.06%	0.015%
18	5.111	5.092	5.117	VV	306	3393	0.05%	0.014%
19	5.136	5.117	5.165	VV	1075	17497	0.28%	0.074%
20	5.199	5.165	5.207	VV	4438	47923	0.76%	0.204%
21	5.225	5.207	5.264	VV	18168	232398	3.69%	0.988%
22	5.287	5.264	5.324	VV	3811	46207	0.73%	0.196%
23	5.345	5.324	5.390	VV	394	6828	0.11%	0.029%
24	5.401	5.390	5.415	PV	123	1400	0.02%	0.006%
25	5.433	5.415	5.452	VV	1193	12049	0.19%	0.051%
26	5.470	5.452	5.518	VV	3128	48213	0.77%	0.205%
27	5.526	5.518	5.542	VV	372	4562	0.07%	0.019%
28	5.548	5.542	5.599	VV	287	5848	0.09%	0.025%
29	5.626	5.599	5.644	VV	702	8322	0.13%	0.035%
30	5.664	5.644	5.685	VV	1434	18351	0.29%	0.078%
31	5.707	5.685	5.728	VV	7366	80486	1.28%	0.342%
32	5.740	5.728	5.749	VV	812	9192	0.15%	0.039%
33	5.768	5.749	5.790	VV	2004	24596	0.39%	0.105%
34	5.808	5.790	5.822	VV	406	5327	0.08%	0.023%
35	5.837	5.822	5.852	VV	718	9663	0.15%	0.041%
36	5.859	5.852	5.890	VV	665	7121	0.11%	0.030%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

				rteres				
37	5.926	5.890	5.950	VV	486	6781	0.11%	0.029%
38	5.976	5.950	6.002	PV	826	10086		
39	6.012	6.002	6.024	VV	188	1741		
40	6.038	6.024	6.069	VV	327	5482		
41	6.102	6.091	6.125	PV	142	1395		
42	6.152	6.125	6.174	VV	404	8292		
43	6.181	6.174	6.212	VV	369	6439	0.10%	0.027%
44	6.246	6.212	6.277	VV	1066	25214	0.40%	0.107%
45	6.299	6.277	6.323	VV	1469	21235	0.34%	0.090%
46	6.344	6.323	6.391	VV	4060	51369	0.82%	0.218%
47	6.412	6.391	6.437	VV	894	14993	0.24%	0.064%
48	6.482	6.437	6.514	VV	1590	35262	0.56%	0.150%
49	6.543	6.514	6.574	VV	657	12932	0.21%	0.055%
50	6.584	6.574	6.594	VV	307	3384	0.05%	0.014%
51	6.598	6.594	6.643	VV	269	5725	0.09%	0.024%
52	6.661	6.643	6.674	VV	312	4194	0.07%	0.018%
53	6.699	6.674	6.727	VV	3213	41456	0.66%	0.176%
54	6.741	6.727	6.762	VV	577	9347	0.15%	0.040%
55	6.787	6.762	6.806	VV	2714	35120	0.56%	0.149%
56	6.822	6.806	6.836	VV	1968	21427	0.34%	0.091%
57	6.854	6.836	6.875	VV	5530	62823	1.00%	0.267%
58	6.889	6.875	6.909	VV	1672	18668	0.30%	0.079%
59	6.929	6.909	6.949	VV	3069	33159	0.53%	0.141%
60	6.962	6.949	6.974	VV	351	4457	0.07%	0.019%
61	6.980	6.974	7.005	VV	287	3206	0.05%	0.014%
62	7.032	7.005	7.059	VV	480	8219	0.13%	0.035%
63	7.083	7.059	7.107	VV	632	9328	0.15%	0.040%
64	7.112	7.107	7.130	VV	287	2013	0.03%	0.009%
65	7.156	7.130	7.187	VV	2475	30467	0.48%	0.129%
66	7.212	7.187	7.227	VV	4053	54701	0.87%	0.232%
67	7.258	7.227	7.269	VV	3423	64868	1.03%	0.276%
68	7.275	7.269	7.309	VV	2950	37328	0.59%	0.159%
69	7.340	7.309	7.366	VV	5195	72080	1.15%	0.306%
70	7.385	7.366	7.414	VV	931	15925	0.25%	0.068%
71	7.426	7.414	7.435	VV	424	4796	0.08%	0.020%
72	7.448	7.435	7.469	VV	847	9875	0.16%	0.042%
73	7.506	7.469	7.542	VV	8867	103716	1.65%	0.441%
74	7.568	7.542	7.580	VV	1536	19077	0.30%	0.081%
75	7.585	7.580	7.600	VV	1082	9640	0.15%	0.041%
76	7.616	7.600	7.630	VV	2132	22611	0.36%	0.096%
77	7.648	7.630	7.670	VV	2179	31561	0.50%	0.134%
78	7.686	7.670	7.700	VV	1056	13466	0.21%	0.057%
79	7.715	7.700	7.729	VV	1666	20913	0.33%	0.089%
80	7.743	7.729	7.774	VV	2832	31511	0.50%	0.134%
81	7.813	7.774	7.841	VV	584	11400	0.18%	0.048%
82	7.864	7.841	7.872	PV	419	4517	0.07%	0.019%
83	7.888	7.872	7.896	VV	554	6201	0.10%	0.026%
84	7.916	7.896	7.935	VV	3893	43474	0.69%	0.185%
85	7.964	7.935	8.079	VV	594238	6293196	100.00%	26.746%
86	8.083	8.079	8.100	VV	2062	24652	0.39%	0.105%
87	8.104	8.100	8.158	VV	1822	45509	0.72%	0.193%
88	8.181	8.158	8.207	VV	1359	29567	0.47%	0.126%
89	8.226	8.207	8.300	VV	2577	55600	0.88%	0.236%

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90	8.321	8.300	8.380	VV	1226	29927	0.48%	0.127%
91	8.385	8.380	8.403	VV	431	4982		
92	8.437	8.403	8.472	VV	815	20769		
93	8.480	8.472	8.493	VV	452	4513		
94	8.536	8.493	8.557	VV	2635	40301		
95	8.566	8.557	8.579	VV	875	9755		
96	8.600	8.579	8.614	VV	1169	16310	0.26%	0.069%
97	8.649	8.614	8.669	VV	1834	45620	0.72%	0.194%
98	8.686	8.669	8.710	VV	1515	22727	0.36%	0.097%
99	8.732	8.710	8.752	VV	1508	20863	0.33%	0.089%
100	8.771	8.752	8.805	VV	1635	19543	0.31%	0.083%
101	8.842	8.805	8.939	PV	285202	3516326	55.88%	14.944%
102	8.947	8.939	8.979	VV	3089	69031	1.10%	0.293%
103	9.000	8.979	9.014	VV	2918	53773	0.85%	0.229%
104	9.030	9.014	9.041	VV	2614	37495	0.60%	0.159%
105	9.052	9.041	9.064	VV	2513	30219	0.48%	0.128%
106	9.082	9.064	9.129	VV	3021	80194	1.27%	0.341%
107	9.144	9.129	9.174	VV	1726	28340	0.45%	0.120%
108	9.196	9.174	9.220	VV	1338	22795	0.36%	0.097%
109	9.266	9.220	9.335	VV	119238	1351742	21.48%	5.745%
110	9.381	9.335	9.414	VV	6479	142420	2.26%	0.605%
111	9.423	9.414	9.437	VV	1273	15434	0.25%	0.066%
112	9.453	9.437	9.483	VV	2015	29897	0.48%	0.127%
113	9.503	9.483	9.532	VV	1253	18707	0.30%	0.080%
114	9.551	9.532	9.568	VV	462	8577	0.14%	0.036%
115	9.587	9.568	9.628	VV	1296	23611	0.38%	0.100%
116	9.650	9.628	9.661	VV	1116	14476	0.23%	0.062%
117	9.670	9.661	9.694	VV	1229	15064	0.24%	0.064%
118	9.732	9.694	9.789	VV	2593	50560	0.80%	0.215%
119	9.807	9.789	9.820	VV	588	8193	0.13%	0.035%
120	9.831	9.820	9.850	VV	527	6509	0.10%	0.028%
121	9.874	9.850	9.915	VV	1360	18048	0.29%	0.077%
122	9.940	9.915	9.955	VV	557	7529	0.12%	0.032%
123	9.982	9.955	10.001	VV	7566	86290	1.37%	0.367%
124	10.020	10.001	10.061	VV	10032	161963	2.57%	0.688%
125	10.066	10.061	10.130	VV	1657	40465	0.64%	0.172%
126	10.149	10.130	10.180	VV	2095	31004	0.49%	0.132%
127	10.220	10.180	10.285	VV	1748	70606	1.12%	0.300%
128	10.300	10.285	10.314	VV	762	11638	0.18%	0.049%
129	10.319	10.314	10.334	VV	745	7280	0.12%	0.031%
130	10.350	10.334	10.395	VV	2006	33889	0.54%	0.144%
131	10.428	10.395	10.443	VV	642	12844	0.20%	0.055%
132	10.470	10.443	10.488	VV	1172	21650	0.34%	0.092%
133	10.497	10.488	10.529	VV	908	18886	0.30%	0.080%
134	10.546	10.529	10.561	VV	1317	18935	0.30%	0.080%
135	10.581	10.561	10.602	VV	1386	24077	0.38%	0.102%
136	10.615	10.602	10.624	VV	851	9885	0.16%	0.042%
137	10.631	10.624	10.647	VV	891	10304	0.16%	0.044%
138	10.668	10.647	10.690	VV	1509	22856	0.36%	0.097%
139	10.704	10.690	10.721	VV	500	7561	0.12%	0.032%
140	10.755	10.721	10.763	VV	1240	19871	0.32%	0.084%
141	10.777	10.763	10.802	VV	1219	23638	0.38%	0.100%

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142	10.822	10.802	10.833	VV	1586	22618	0.36%	0.096%
143	10.842	10.833	10.858	VV	1558	20154		
144	10.866	10.858	10.870	VV	1179	8410		
145	10.890	10.870	10.926	VV	1876	45302		
146	10.946	10.926	10.964	VV	1328	20591		
147	10.980	10.964	10.990	VV	962	13157		
148	11.019	10.990	11.064	VV	3147	62519	0.99%	0.266%
149	11.109	11.064	11.139	VV	1742	44056	0.70%	0.187%
150	11.143	11.139	11.160	VV	596	6416	0.10%	0.027%
151	11.179	11.160	11.199	VV	1498	25861	0.41%	0.110%
152	11.210	11.199	11.245	VV	1144	23251	0.37%	0.099%
153	11.259	11.245	11.274	VV	756	11300	0.18%	0.048%
154	11.290	11.274	11.297	VV	899	10363	0.16%	0.044%
155	11.318	11.297	11.336	VV	1737	27937	0.44%	0.119%
156	11.347	11.336	11.366	VV	932	11309	0.18%	0.048%
157	11.386	11.366	11.414	VV	481	9980	0.16%	0.042%
158	11.420	11.414	11.440	VV	272	2616	0.04%	0.011%
159	11.456	11.440	11.461	VV	236	2267	0.04%	0.010%
160	11.469	11.461	11.497	VV	199	3256	0.05%	0.014%
161	11.527	11.497	11.552	VV	813	11809	0.19%	0.050%
162	11.572	11.552	11.579	VV	653	7600	0.12%	0.032%
163	11.597	11.579	11.625	VV	1850	25668	0.41%	0.109%
164	11.673	11.625	11.732	VV	1110	30108	0.48%	0.128%
165	11.754	11.732	11.776	VV	978	11585	0.18%	0.049%
166	11.793	11.776	11.810	VV	353	5258	0.08%	0.022%
167	11.815	11.810	11.819	VV	308	1462	0.02%	0.006%
168	11.822	11.819	11.852	VV	363	4101	0.07%	0.017%
169	11.913	11.852	11.974	PV	290865	3258705	51.78%	13.849%
170	11.986	11.974	12.007	VV	1543	24708	0.39%	0.105%
171	12.033	12.007	12.047	VV	1423	28779	0.46%	0.122%
172	12.076	12.047	12.112	VV	2933	58386	0.93%	0.248%
173	12.114	12.112	12.139	VV	462	5626	0.09%	0.024%
174	12.154	12.139	12.158	VV	479	4643	0.07%	0.020%
175	12.173	12.158	12.183	VV	508	6878	0.11%	0.029%
176	12.191	12.183	12.208	VV	642	8646	0.14%	0.037%
177	12.260	12.208	12.294	VV	2466	63525	1.01%	0.270%
178	12.322	12.294	12.345	VV	10338	131524	2.09%	0.559%
179	12.361	12.345	12.387	VV	2208	31855	0.51%	0.135%
180	12.401	12.387	12.414	VV	856	10531	0.17%	0.045%
181	12.422	12.414	12.447	VV	846	12411	0.20%	0.053%
182	12.486	12.447	12.500	VV	2437	53412	0.85%	0.227%
183	12.532	12.500	12.614	VV	81407	1136600	18.06%	4.831%
184	12.643	12.614	12.662	VV	1008	26874	0.43%	0.114%
185	12.678	12.662	12.726	VV	1179	37636	0.60%	0.160%
186	12.770	12.726	12.822	VV	7418	131973	2.10%	0.561%
187	12.848	12.822	12.880	VV	1615	28617	0.45%	0.122%
188	12.911	12.880	12.937	VV	2701	38555	0.61%	0.164%
189	12.944	12.937	12.948	VV	462	2826	0.04%	0.012%
190	12.976	12.948	13.025	VV	3415	54638	0.87%	0.232%
191	13.035	13.025	13.041	VV	221	1942	0.03%	0.008%
192	13.053	13.041	13.084	VV	336	5336	0.08%	0.023%
193	13.088	13.084	13.126	VV	158	1561	0.02%	0.007%
194	13.167	13.126	13.177	PV	651	8819	0.14%	0.037%

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195	13.193	13.177	13.219	VV	631	12923	0.21%	0.055%
196	13.234	13.219	13.250	VV	517	7370		
197	13.275	13.250	13.303	VV	1110	23030		
198	13.308	13.303	13.314	VV	555	3175		
199	13.317	13.314	13.324	VV	479	2754		
200	13.357	13.324	13.440	VV	41207	547444		
201	13.448	13.440	13.452	VV	733	4853	0.08%	0.021%
202	13.459	13.452	13.479	VV	697	10011	0.16%	0.043%
203	13.487	13.479	13.501	VV	619	7230	0.11%	0.031%
204	13.524	13.501	13.557	VV	991	25802	0.41%	0.110%
205	13.580	13.557	13.624	VV	6598	96928	1.54%	0.412%
206	13.650	13.624	13.677	VV	905	20047	0.32%	0.085%
207	13.682	13.677	13.692	VV	477	3980	0.06%	0.017%
208	13.759	13.692	13.780	VV	4107	76644	1.22%	0.326%
209	13.793	13.780	13.802	VV	1278	15390	0.24%	0.065%
210	13.807	13.802	13.840	VV	1300	21531	0.34%	0.092%
211	13.861	13.840	13.891	VV	595	13297	0.21%	0.057%
212	13.907	13.891	13.923	VV	605	9652	0.15%	0.041%
213	13.932	13.923	13.953	VV	538	8026	0.13%	0.034%
214	13.984	13.953	14.007	VV	840	19197	0.31%	0.082%
215	14.063	14.007	14.092	VV	2168	46036	0.73%	0.196%
216	14.115	14.092	14.155	VV	2286	35884	0.57%	0.153%
217	14.170	14.155	14.194	VV	276	4467	0.07%	0.019%
218	14.212	14.194	14.256	VV	500	9102	0.14%	0.039%
219	14.280	14.256	14.292	VV	123	1072	0.02%	0.005%
220	14.335	14.309	14.341	VV	285	3568	0.06%	0.015%
221	14.343	14.341	14.349	VV	258	1291	0.02%	0.005%
222	14.372	14.349	14.380	VV	370	4880	0.08%	0.021%
223	14.386	14.380	14.407	VV	312	3644	0.06%	0.015%
224	14.412	14.407	14.419	VV	256	1447	0.02%	0.006%
225	14.450	14.419	14.465	VV	420	7225	0.11%	0.031%
226	14.484	14.465	14.499	VV	369	6002	0.10%	0.026%
227	14.550	14.499	14.603	VV	1717	50588	0.80%	0.215%
228	14.606	14.603	14.624	VV	555	6253	0.10%	0.027%
229	14.634	14.624	14.657	VV	506	8904	0.14%	0.038%
230	14.681	14.657	14.709	VV	748	15030	0.24%	0.064%
231	14.756	14.709	14.767	VV	779	17449	0.28%	0.074%
232	14.775	14.767	14.795	VV	789	12253	0.19%	0.052%
233	14.815	14.795	14.849	VV	810	20696	0.33%	0.088%
234	14.852	14.849	14.860	VV	548	3136	0.05%	0.013%
235	14.880	14.860	14.905	VV	588	12496	0.20%	0.053%
236	14.932	14.905	14.951	VV	662	13361	0.21%	0.057%
237	14.991	14.951	15.016	VV	973	26444	0.42%	0.112%
238	15.029	15.016	15.052	VV	818	12708	0.20%	0.054%
239	15.059	15.052	15.090	VV	482	8048	0.13%	0.034%
240	15.102	15.090	15.110	VV	324	3242	0.05%	0.014%
241	15.128	15.110	15.134	VV	302	3466	0.06%	0.015%
242	15.197	15.134	15.208	VV	2152	48858	0.78%	0.208%
243	15.219	15.208	15.245	VV	2289	34738	0.55%	0.148%
244	15.266	15.245	15.317	VV	3359	54471	0.87%	0.232%
245	15.322	15.317	15.362	VV	300	3704	0.06%	0.016%
246	15.389	15.362	15.412	PV	643	9640	0.15%	0.041%

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247	15.424	15.418	15.482	VV	278	4520	0.07%	0.019%
248	15.523	15.493	15.550	VV	318	4876		
249	15.581	15.572	15.596	VV	190	2134		
250	15.633	15.596	15.716	VV	8125	232732		
251	15.759	15.716	15.788	VV	2130	51063		
252	15.803	15.788	15.842	VV	569	13937		
253	15.892	15.842	15.913	VV	555	17646	0.28%	0.075%
254	15.918	15.913	15.931	VV	554	4866	0.08%	0.021%
255	15.953	15.931	15.999	VV	680	17870	0.28%	0.076%
256	16.064	15.999	16.082	VV	669	22002	0.35%	0.094%
257	16.102	16.082	16.126	VV	722	15494	0.25%	0.066%
258	16.140	16.126	16.155	VV	506	7290	0.12%	0.031%
259	16.167	16.155	16.181	VV	508	6790	0.11%	0.029%
260	16.204	16.181	16.223	VV	824	14514	0.23%	0.062%
261	16.246	16.223	16.279	VV	1844	32931	0.52%	0.140%
262	16.303	16.279	16.334	VV	996	21135	0.34%	0.090%
263	16.338	16.334	16.362	VV	232	2810	0.04%	0.012%
264	16.382	16.362	16.397	VV	216	2254	0.04%	0.010%
265	16.437	16.405	16.459	VV	211	4606	0.07%	0.020%
266	16.465	16.459	16.475	VV	154	1015	0.02%	0.004%
267	16.495	16.475	16.506	VV	111	1546	0.02%	0.007%
268	16.528	16.522	16.539	VV	155	1039	0.02%	0.004%
269	16.552	16.547	16.569	VV	139	1529	0.02%	0.007%
270	16.579	16.569	16.602	VV	147	2103	0.03%	0.009%
271	16.659	16.602	16.662	VV	938	14939	0.24%	0.063%
272	16.667	16.662	16.712	VV	1026	23500	0.37%	0.100%
273	16.731	16.712	16.764	VV	815	17793	0.28%	0.076%
274	16.768	16.764	16.781	VV	409	3824	0.06%	0.016%
275	16.786	16.781	16.789	VV	484	1915	0.03%	0.008%
276	16.811	16.789	16.839	VV	1333	22798	0.36%	0.097%
277	16.867	16.839	16.918	VV	1522	38982	0.62%	0.166%
278	16.922	16.918	16.926	VV	655	3251	0.05%	0.014%
279	16.943	16.926	17.011	VV	696	26036	0.41%	0.111%
280	17.020	17.011	17.034	VV	439	5195	0.08%	0.022%
281	17.039	17.034	17.044	VV	469	2191	0.03%	0.009%
282	17.048	17.044	17.051	VV	380	1525	0.02%	0.006%
283	17.085	17.051	17.104	VV	659	15116	0.24%	0.064%
284	17.121	17.104	17.144	VV	662	12799	0.20%	0.054%
285	17.163	17.144	17.177	VV	1034	15945	0.25%	0.068%
286	17.198	17.177	17.219	VV	2090	32706	0.52%	0.139%
287	17.244	17.219	17.296	VV	3204	60074	0.95%	0.255%
288	17.303	17.296	17.340	VV	383	6202	0.10%	0.026%
289	17.346	17.340	17.352	VV	221	1194	0.02%	0.005%
290	17.391	17.369	17.419	VV	218	3104	0.05%	0.013%
291	17.436	17.419	17.460	VV	143	1996	0.03%	0.008%
292	17.529	17.504	17.562	VV	595	9240	0.15%	0.039%
293	17.648	17.562	17.688	VV	1921	44295	0.70%	0.188%
294	17.695	17.688	17.704	VV	231	1526	0.02%	0.006%
295	17.741	17.704	17.783	VV	568	14890	0.24%	0.063%
296	17.787	17.783	17.802	VV	271	2428	0.04%	0.010%
297	17.823	17.802	17.831	VV	249	2973	0.05%	0.013%
298	17.873	17.831	17.887	VV	505	11169	0.18%	0.047%
299	17.902	17.887	17.920	VV	484	8077	0.13%	0.034%

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P001-BBDGA-003-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

					rteres			
300	17.942	17.920	17.954	VV	464	8023	0.13%	0.034%
301	17.958	17.954	17.962	VV	307	1426		
302	17.982	17.962	18.004	VV	364	7645		
303	18.085	18.004	18.137	VV	3101	85093		
304	18.175	18.137	18.255	VV	4604	83957		
305	18.262	18.255	18.285	VV	415	4669		
306	18.314	18.285	18.340	VV	292	5443	0.09%	0.023%
307	18.360	18.340	18.379	PV	401	5458	0.09%	0.023%
308	18.409	18.379	18.432	VV	447	6063	0.10%	0.026%
309	18.508	18.432	18.553	VV	3989	125985	2.00%	0.535%
310	18.559	18.553	18.577	VV	427	4896	0.08%	0.021%
311	18.584	18.577	18.588	VV	320	2038	0.03%	0.009%
312	18.607	18.588	18.640	VV	575	11597	0.18%	0.049%
313	18.647	18.640	18.674	VV	253	3016	0.05%	0.013%
314	18.724	18.674	18.728	PV	239	3200	0.05%	0.014%
315	18.784	18.728	18.811	VV	355	12920	0.21%	0.055%
316	18.920	18.836	18.974	VV	3416	77543	1.23%	0.330%
					Sum of corrected areas:	23529643		

Aromatic EPH 031725.M Sat Mar 29 04:48:15 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-12	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 21:04	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.91	J	1	8.28	30.0	ug/l	FC068477.D
Aliphatic C12-C16	Aliphatic C12-C16	38.5		1	13.5	20.0	ug/l	FC068477.D
Aliphatic C16-C21	Aliphatic C16-C21	12.9	J	1	8.34	30.0	ug/l	FC068477.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068477.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068477.D
Aromatic C10-C12	Aromatic C10-C12	16.8	J	1	2.07	20.0	ug/l	FG015603.D
Aromatic C12-C16	Aromatic C12-C16	24.2	J	1	4.26	30.0	ug/l	FG015603.D
Aromatic C16-C21	Aromatic C16-C21	171		1	8.27	50.0	ug/l	FG015603.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015603.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	212			38.4	180	ug/l	
Total EPH	Total EPH	271	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-003-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-12		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068477.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.91	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	38.5		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	12.9	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.7		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-12	Acq On:	01 Apr 2025 21:04
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP/AJ
Data file:	FC068477.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	641909	3.955	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3238831	19.257	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1104683	6.441	300	ug/ml
Aliphatic C21-C28	13.097	16.749	684119	4.051	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2214903	16.266	600	ug/ml
Aliphatic EPH	3.097	21.544	7884445	49.969		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6957119	46.67		ug/ml
Aliphatic C9-C28	3.097	16.749	5669542	33.704	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068477.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:04
Operator : YP/AJ
Sample : Q1664-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-003-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	6957119	46.669 ug/ml
Spiked Amount 50.000		Recovery = 93.34%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

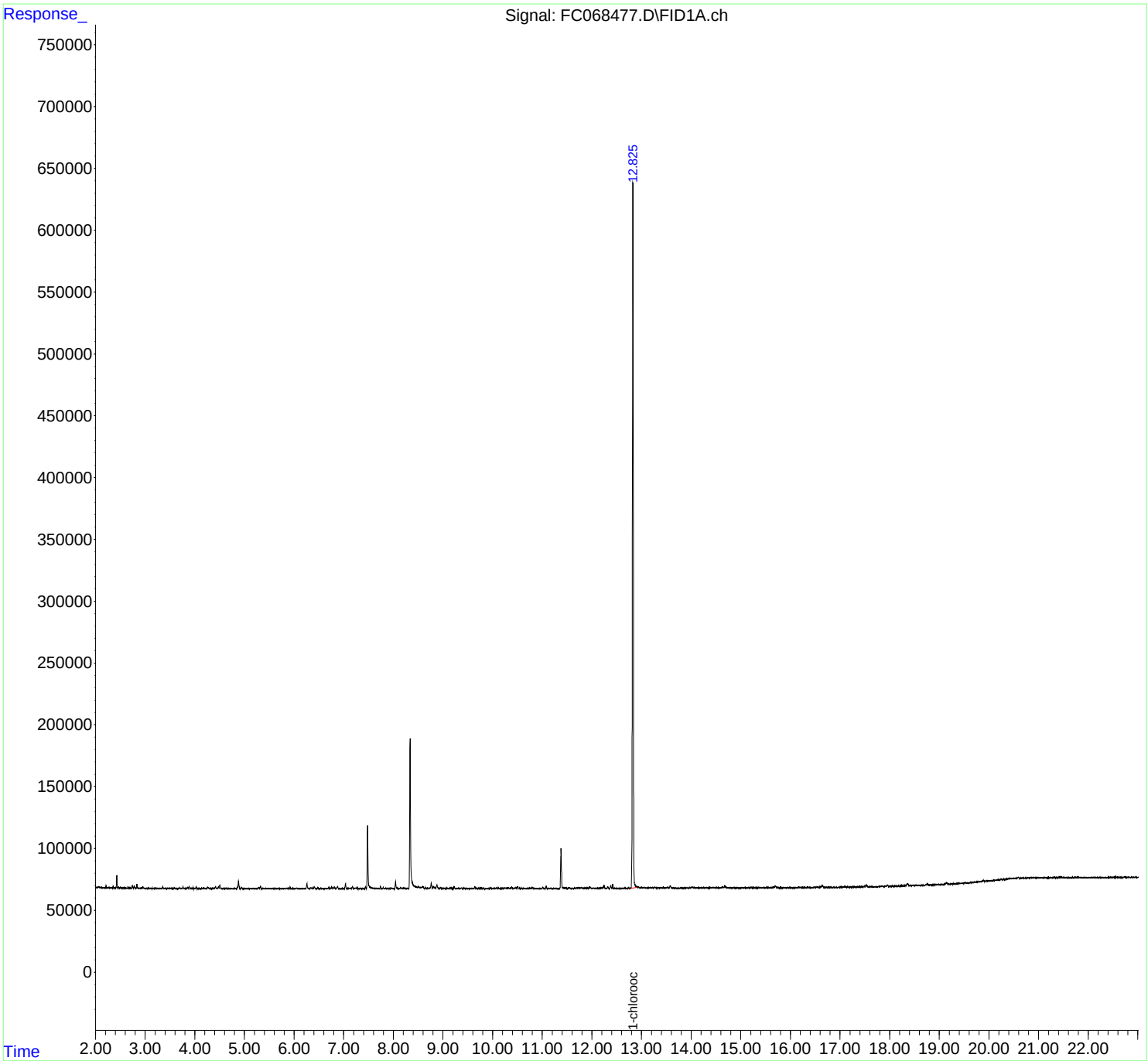
Quantitation Report (QT Reviewed)

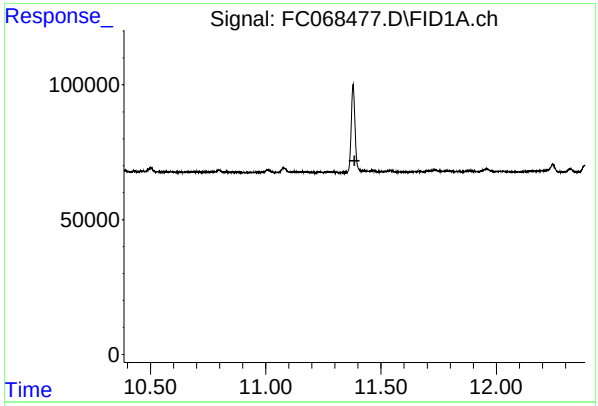
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068477.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:04
Operator : YP/AJ
Sample : Q1664-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-003-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

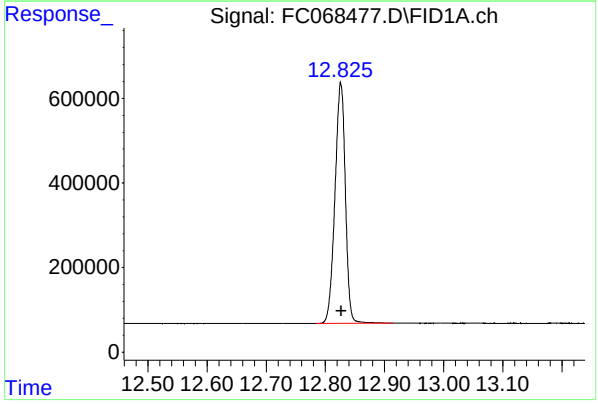




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-003-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 6957119
Conc: 46.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068477.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:04
Sample : Q1664-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.355	2.304	2.374	BV	743	6042	0.09%	0.039%
2	2.427	2.374	2.453	PV	10260	79915	1.14%	0.522%
3	2.468	2.453	2.483	VV	715	7386	0.10%	0.048%
4	2.490	2.483	2.518	VV	281	2408	0.03%	0.016%
5	2.525	2.518	2.535	VV	116	733	0.01%	0.005%
6	2.551	2.535	2.574	VV	281	3180	0.05%	0.021%
7	2.588	2.574	2.603	VV	354	3059	0.04%	0.020%
8	2.617	2.603	2.633	VV	124	1340	0.02%	0.009%
9	2.652	2.633	2.711	VV	463	7214	0.10%	0.047%
10	2.738	2.711	2.766	VV	1672	25222	0.36%	0.165%
11	2.783	2.766	2.811	VV	1989	19179	0.27%	0.125%
12	2.833	2.811	2.887	VV	3463	34443	0.49%	0.225%
13	2.910	2.887	2.936	VV	299	4737	0.07%	0.031%
14	2.955	2.936	3.009	VV	1392	14765	0.21%	0.096%
15	3.021	3.009	3.044	VV	126	1171	0.02%	0.008%
16	3.049	3.044	3.166	PV	80	3249	0.05%	0.021%
17	3.173	3.166	3.182	VV	74	394	0.01%	0.003%
18	3.201	3.182	3.263	PV	785	9157	0.13%	0.060%
19	3.281	3.263	3.291	VV	120	1214	0.02%	0.008%
20	3.299	3.291	3.307	VV	116	835	0.01%	0.005%
21	3.317	3.307	3.338	VV	155	1840	0.03%	0.012%
22	3.354	3.338	3.438	VV	1387	16140	0.23%	0.105%
23	3.471	3.438	3.480	PV	250	3703	0.05%	0.024%
24	3.490	3.480	3.503	VV	294	2783	0.04%	0.018%
25	3.517	3.503	3.542	VV	473	4639	0.07%	0.030%
26	3.565	3.542	3.578	VV	340	3669	0.05%	0.024%
27	3.592	3.578	3.651	VV	568	9025	0.13%	0.059%
28	3.691	3.651	3.741	VV	467	10236	0.15%	0.067%
29	3.762	3.741	3.821	VV	1451	18040	0.26%	0.118%
30	3.857	3.821	3.871	PV	858	10387	0.15%	0.068%
31	3.885	3.871	3.933	VV	1933	20825	0.30%	0.136%
32	3.952	3.933	3.984	VV	330	4946	0.07%	0.032%
33	4.030	3.984	4.064	VV	1395	22869	0.32%	0.149%
34	4.075	4.064	4.118	VV	212	4084	0.06%	0.027%
35	4.144	4.118	4.161	VV	217	2890	0.04%	0.019%
36	4.205	4.161	4.225	VV	294	6384	0.09%	0.042%

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37	4.254	4.225	4.285	VV	1476	20642	0.29%	0.135%
38	4.293	4.285	4.318	VV	349	4504	0.06%	0.029%
39	4.326	4.318	4.341	VV	173	2235	0.03%	0.015%
40	4.363	4.341	4.388	VV	552	8952	0.13%	0.058%
41	4.419	4.388	4.439	VV	1968	23505	0.33%	0.154%
42	4.474	4.439	4.488	VV	1637	20075	0.29%	0.131%
43	4.504	4.488	4.571	VV	2830	32646	0.46%	0.213%
44	4.581	4.571	4.590	VV	141	1199	0.02%	0.008%
45	4.620	4.590	4.647	VV	283	6309	0.09%	0.041%
46	4.700	4.647	4.727	VV	264	6156	0.09%	0.040%
47	4.745	4.727	4.764	VV	77	1097	0.02%	0.007%
48	4.802	4.764	4.832	VV	378	5851	0.08%	0.038%
49	4.880	4.832	4.914	VV	6288	82802	1.18%	0.541%
50	4.936	4.914	4.955	VV	1252	14541	0.21%	0.095%
51	4.965	4.955	4.976	VV	236	2286	0.03%	0.015%
52	4.988	4.976	5.024	VV	248	3241	0.05%	0.021%
53	5.038	5.024	5.053	VV	159	1445	0.02%	0.009%
54	5.071	5.053	5.091	VV	317	4005	0.06%	0.026%
55	5.112	5.091	5.128	VV	183	2436	0.03%	0.016%
56	5.163	5.128	5.228	VV	234	7472	0.11%	0.049%
57	5.244	5.228	5.257	VV	255	3341	0.05%	0.022%
58	5.283	5.257	5.302	VV	987	13089	0.19%	0.086%
59	5.321	5.302	5.364	VV	2195	28692	0.41%	0.187%
60	5.378	5.364	5.421	VV	549	7980	0.11%	0.052%
61	5.460	5.421	5.541	VV	408	13456	0.19%	0.088%
62	5.574	5.541	5.599	VV	360	6848	0.10%	0.045%
63	5.626	5.599	5.648	VV	271	5205	0.07%	0.034%
64	5.674	5.648	5.718	VV	168	4086	0.06%	0.027%
65	5.735	5.718	5.762	PV	202	3501	0.05%	0.023%
66	5.782	5.762	5.795	VV	261	3168	0.05%	0.021%
67	5.835	5.795	5.858	VV	593	12178	0.17%	0.080%
68	5.877	5.858	5.901	VV	702	9939	0.14%	0.065%
69	5.919	5.901	5.961	VV	1300	18168	0.26%	0.119%
70	5.979	5.961	6.011	VV	544	9127	0.13%	0.060%
71	6.050	6.011	6.115	VV	621	17520	0.25%	0.114%
72	6.154	6.115	6.171	PV	202	5584	0.08%	0.036%
73	6.184	6.171	6.208	VV	214	3570	0.05%	0.023%
74	6.258	6.208	6.320	VV	4106	57841	0.82%	0.378%
75	6.340	6.320	6.360	VV	1096	13157	0.19%	0.086%
76	6.376	6.360	6.388	VV	722	8141	0.12%	0.053%
77	6.406	6.388	6.425	VV	1806	21372	0.30%	0.140%
78	6.440	6.425	6.461	VV	628	8703	0.12%	0.057%
79	6.478	6.461	6.503	VV	1069	12061	0.17%	0.079%
80	6.529	6.503	6.550	VV	297	5576	0.08%	0.036%
81	6.567	6.550	6.606	VV	267	5769	0.08%	0.038%
82	6.624	6.606	6.675	VV	241	7151	0.10%	0.047%
83	6.698	6.675	6.725	VV	1063	13205	0.19%	0.086%
84	6.750	6.725	6.784	VV	1283	24605	0.35%	0.161%
85	6.799	6.784	6.844	VV	962	23728	0.34%	0.155%
86	6.876	6.844	6.904	VV	1795	28297	0.40%	0.185%
87	6.915	6.904	6.937	VV	320	4124	0.06%	0.027%
88	6.978	6.937	7.003	VV	459	10017	0.14%	0.065%
89	7.036	7.003	7.071	VV	4069	48783	0.69%	0.319%

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90	7.111	7.071	7.126	VV	645	14298	0.20%	0.093%
91	7.144	7.126	7.156	VV	783	9870	0.14%	0.064%
92	7.176	7.156	7.199	VV	1725	23228	0.33%	0.152%
93	7.239	7.199	7.254	VV	670	14899	0.21%	0.097%
94	7.267	7.254	7.291	VV	929	11828	0.17%	0.077%
95	7.335	7.291	7.369	VV	257	8057	0.11%	0.053%
96	7.387	7.369	7.404	VV	254	3149	0.04%	0.021%
97	7.437	7.404	7.456	VV	1550	19170	0.27%	0.125%
98	7.481	7.456	7.581	VV	51073	580726	8.25%	3.794%
99	7.597	7.581	7.681	VV	587	24109	0.34%	0.158%
100	7.698	7.681	7.721	VV	389	6880	0.10%	0.045%
101	7.741	7.721	7.771	VV	1260	17173	0.24%	0.112%
102	7.797	7.771	7.814	VV	925	11882	0.17%	0.078%
103	7.832	7.814	7.882	VV	427	10693	0.15%	0.070%
104	7.899	7.882	7.931	VV	286	5462	0.08%	0.036%
105	7.952	7.931	8.004	VV	748	14061	0.20%	0.092%
106	8.012	8.004	8.020	VV	288	2479	0.04%	0.016%
107	8.045	8.020	8.114	VV	5643	73568	1.05%	0.481%
108	8.155	8.114	8.176	VV	728	19200	0.27%	0.125%
109	8.193	8.176	8.217	VV	626	9587	0.14%	0.063%
110	8.238	8.217	8.257	VV	564	8856	0.13%	0.058%
111	8.276	8.257	8.304	VV	857	10975	0.16%	0.072%
112	8.338	8.304	8.478	VV	120786	1602472	22.77%	10.470%
113	8.501	8.478	8.519	VV	1601	33866	0.48%	0.221%
114	8.533	8.519	8.548	VV	1313	20793	0.30%	0.136%
115	8.554	8.548	8.564	VV	1237	11457	0.16%	0.075%
116	8.583	8.564	8.622	VV	1658	42348	0.60%	0.277%
117	8.643	8.622	8.672	VV	973	18807	0.27%	0.123%
118	8.693	8.672	8.721	VV	758	15644	0.22%	0.102%
119	8.764	8.721	8.785	VV	4743	64037	0.91%	0.418%
120	8.799	8.785	8.849	VV	1676	41653	0.59%	0.272%
121	8.878	8.849	8.927	VV	3364	61739	0.88%	0.403%
122	8.950	8.927	8.977	VV	904	16581	0.24%	0.108%
123	8.998	8.977	9.024	VV	756	11686	0.17%	0.076%
124	9.078	9.024	9.125	VV	491	19904	0.28%	0.130%
125	9.164	9.125	9.204	VV	891	23277	0.33%	0.152%
126	9.227	9.204	9.268	VV	1382	23597	0.34%	0.154%
127	9.287	9.268	9.348	VV	420	12721	0.18%	0.083%
128	9.370	9.348	9.400	VV	757	13337	0.19%	0.087%
129	9.421	9.400	9.458	VV	917	15981	0.23%	0.104%
130	9.467	9.458	9.494	VV	408	5696	0.08%	0.037%
131	9.514	9.494	9.533	VV	190	3234	0.05%	0.021%
132	9.564	9.533	9.611	PV	453	10908	0.15%	0.071%
133	9.642	9.611	9.691	VV	1751	29951	0.43%	0.196%
134	9.715	9.691	9.772	VV	473	17460	0.25%	0.114%
135	9.786	9.772	9.804	VV	289	4397	0.06%	0.029%
136	9.811	9.804	9.838	VV	218	2657	0.04%	0.017%
137	9.915	9.838	9.933	VV	432	10096	0.14%	0.066%
138	9.956	9.933	9.981	VV	626	11236	0.16%	0.073%
139	10.031	9.981	10.048	VV	744	16586	0.24%	0.108%
140	10.065	10.048	10.100	VV	619	13421	0.19%	0.088%
141	10.118	10.100	10.133	VV	573	8810	0.13%	0.058%

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142	10.146	10.133	10.184	VV	613	9782	0.14%	0.064%
143	10.190	10.184	10.207	VV	218	2746	0.04%	0.018%
144	10.238	10.207	10.251	VV	643	11034	0.16%	0.072%
145	10.265	10.251	10.291	VV	616	10824	0.15%	0.071%
146	10.316	10.291	10.341	VV	813	16349	0.23%	0.107%
147	10.384	10.341	10.414	VV	907	25328	0.36%	0.165%
148	10.429	10.414	10.444	VV	660	8571	0.12%	0.056%
149	10.459	10.444	10.474	VV	593	9125	0.13%	0.060%
150	10.501	10.474	10.564	VV	1768	38974	0.55%	0.255%
151	10.568	10.564	10.578	VV	381	2691	0.04%	0.018%
152	10.591	10.578	10.621	VV	432	7614	0.11%	0.050%
153	10.629	10.621	10.641	VV	232	2321	0.03%	0.015%
154	10.657	10.641	10.674	VV	348	5222	0.07%	0.034%
155	10.691	10.674	10.724	VV	427	8726	0.12%	0.057%
156	10.738	10.724	10.752	VV	381	4936	0.07%	0.032%
157	10.798	10.752	10.819	VV	878	19082	0.27%	0.125%
158	10.830	10.819	10.854	VV	323	4578	0.07%	0.030%
159	10.876	10.854	10.976	VV	248	8384	0.12%	0.055%
160	11.009	10.976	11.054	VV	1046	17673	0.25%	0.115%
161	11.078	11.054	11.106	VV	1826	26262	0.37%	0.172%
162	11.126	11.106	11.141	VV	361	5518	0.08%	0.036%
163	11.161	11.141	11.207	VV	306	7943	0.11%	0.052%
164	11.232	11.207	11.249	VV	294	3664	0.05%	0.024%
165	11.295	11.249	11.342	VV	301	8096	0.12%	0.053%
166	11.379	11.342	11.447	PV	32461	389052	5.53%	2.542%
167	11.463	11.447	11.518	VV	820	19639	0.28%	0.128%
168	11.540	11.518	11.571	VV	777	16056	0.23%	0.105%
169	11.588	11.571	11.621	VV	285	5555	0.08%	0.036%
170	11.672	11.621	11.688	VV	429	12507	0.18%	0.082%
171	11.733	11.688	11.768	VV	933	29917	0.43%	0.195%
172	11.788	11.768	11.821	VV	576	15266	0.22%	0.100%
173	11.839	11.821	11.854	VV	428	6890	0.10%	0.045%
174	11.876	11.854	11.891	VV	528	8840	0.13%	0.058%
175	11.899	11.891	11.923	VV	541	7909	0.11%	0.052%
176	11.958	11.923	11.996	VV	1284	30940	0.44%	0.202%
177	12.024	11.996	12.072	VV	383	13050	0.19%	0.085%
178	12.150	12.089	12.166	VV	457	13911	0.20%	0.091%
179	12.192	12.166	12.205	VV	667	11582	0.16%	0.076%
180	12.245	12.205	12.287	VV	2972	50667	0.72%	0.331%
181	12.321	12.287	12.358	VV	1296	20654	0.29%	0.135%
182	12.382	12.358	12.414	VV	2532	33300	0.47%	0.218%
183	12.418	12.414	12.466	VV	1330	8224	0.12%	0.054%
184	12.476	12.466	12.487	VV	124	1770	0.03%	0.012%
185	12.501	12.487	12.568	VV	297	6423	0.09%	0.042%
186	12.577	12.568	12.584	VV	42	304	0.00%	0.002%
187	12.671	12.584	12.691	PV	324	10005	0.14%	0.065%
188	12.698	12.691	12.723	VV	246	3037	0.04%	0.020%
189	12.745	12.723	12.788	VV	331	9534	0.14%	0.062%
190	12.826	12.788	12.978	VV	569308	7037734	100.00%	45.981%
191	12.991	12.978	13.024	VV	808	20283	0.29%	0.133%
192	13.049	13.024	13.095	VV	840	26722	0.38%	0.175%
193	13.114	13.095	13.152	VV	545	15857	0.23%	0.104%
194	13.189	13.152	13.222	VV	675	21547	0.31%	0.141%

195	13.277	13.222	13.307	VV	836	30381	0.43%	0.198%
196	13.329	13.307	13.387	VV	434	15065	0.21%	0.098%
197	13.434	13.387	13.466	VV	617	18392	0.26%	0.120%
198	13.475	13.466	13.494	VV	306	5212	0.07%	0.034%
199	13.527	13.494	13.554	VV	1118	21215	0.30%	0.139%
200	13.578	13.554	13.655	VV	2213	42343	0.60%	0.277%
201	13.662	13.655	13.701	VV	258	4570	0.06%	0.030%
202	13.714	13.701	13.731	VV	150	2000	0.03%	0.013%
203	13.742	13.731	13.751	VV	91	975	0.01%	0.006%
204	13.767	13.751	13.777	VV	119	1539	0.02%	0.010%
205	13.798	13.777	13.815	VV	260	4449	0.06%	0.029%
206	13.825	13.815	13.846	VV	243	3777	0.05%	0.025%
207	13.908	13.846	13.938	VV	241	11442	0.16%	0.075%
208	13.954	13.938	13.968	VV	207	3212	0.05%	0.021%
209	13.972	13.968	13.982	VV	408	2148	0.03%	0.014%
210	14.017	13.982	14.123	VV	1148	40742	0.58%	0.266%
211	14.138	14.123	14.189	VV	414	12436	0.18%	0.081%
212	14.242	14.189	14.252	VV	394	12628	0.18%	0.083%
213	14.262	14.252	14.301	VV	468	11937	0.17%	0.078%
214	14.308	14.301	14.315	VV	412	3615	0.05%	0.024%
215	14.320	14.315	14.371	VV	440	11656	0.17%	0.076%
216	14.397	14.371	14.417	VV	486	10460	0.15%	0.068%
217	14.443	14.417	14.470	VV	562	14332	0.20%	0.094%
218	14.482	14.470	14.507	VV	546	9603	0.14%	0.063%
219	14.524	14.507	14.588	VV	435	14025	0.20%	0.092%
220	14.605	14.588	14.613	VV	297	3517	0.05%	0.023%
221	14.638	14.613	14.655	VV	905	16067	0.23%	0.105%
222	14.679	14.655	14.821	VV	1834	48323	0.69%	0.316%
223	14.846	14.821	14.894	VV	455	10198	0.14%	0.067%
224	14.904	14.894	14.958	VV	175	4441	0.06%	0.029%
225	14.980	14.958	15.035	VV	180	4858	0.07%	0.032%
226	15.068	15.035	15.080	VV	155	3276	0.05%	0.021%
227	15.093	15.080	15.134	VV	206	4479	0.06%	0.029%
228	15.164	15.134	15.178	VV	231	4362	0.06%	0.028%
229	15.198	15.178	15.238	VV	341	8825	0.13%	0.058%
230	15.240	15.238	15.278	VV	238	3698	0.05%	0.024%
231	15.288	15.278	15.311	VV	140	2613	0.04%	0.017%
232	15.327	15.311	15.342	VV	257	3573	0.05%	0.023%
233	15.393	15.342	15.450	VV	347	13123	0.19%	0.086%
234	15.509	15.450	15.534	VV	387	12149	0.17%	0.079%
235	15.552	15.534	15.579	VV	377	7949	0.11%	0.052%
236	15.587	15.579	15.627	VV	258	4472	0.06%	0.029%
237	15.660	15.627	15.678	VV	666	12058	0.17%	0.079%
238	15.698	15.678	15.772	VV	1515	33192	0.47%	0.217%
239	15.780	15.772	15.858	VV	183	5298	0.08%	0.035%
240	15.886	15.858	15.907	VV	143	3191	0.05%	0.021%
241	15.920	15.907	15.973	VV	86	3580	0.05%	0.023%
242	15.987	15.973	16.078	VV	189	5930	0.08%	0.039%
243	16.183	16.078	16.219	PV	414	16282	0.23%	0.106%
244	16.258	16.219	16.289	VV	317	8727	0.12%	0.057%
245	16.360	16.289	16.391	VV	292	12178	0.17%	0.080%
246	16.405	16.391	16.441	VV	301	6922	0.10%	0.045%

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247	16.472	16.441	16.504	VV	291	8155	0.12%	0.053%
248	16.536	16.504	16.591	VV	350	14206	0.20%	0.093%
249	16.646	16.591	16.723	VV	1557	47560	0.68%	0.311%
250	16.748	16.723	16.766	VV	221	5359	0.08%	0.035%
251	16.778	16.766	16.858	VV	245	7816	0.11%	0.051%
252	16.876	16.858	16.902	VV	162	2635	0.04%	0.017%
253	16.991	16.902	17.051	PV	164	6297	0.09%	0.041%
254	17.096	17.051	17.165	VV	752	18383	0.26%	0.120%
255	17.286	17.165	17.314	VV	171	9809	0.14%	0.064%
256	17.342	17.314	17.361	VV	206	3678	0.05%	0.024%
257	17.375	17.361	17.411	VV	122	3321	0.05%	0.022%
258	17.532	17.411	17.594	PV	1840	47872	0.68%	0.313%
259	17.708	17.594	17.748	VV	115	7904	0.11%	0.052%
260	17.858	17.748	17.889	VV	120	6608	0.09%	0.043%
261	17.955	17.889	17.994	PV	1086	20882	0.30%	0.136%
262	18.081	17.994	18.125	VV	188	8172	0.12%	0.053%
263	18.222	18.125	18.284	PV	267	11330	0.16%	0.074%
264	18.363	18.284	18.454	VV	1830	46004	0.65%	0.301%
265	18.560	18.454	18.584	VV	196	8873	0.13%	0.058%
266	18.761	18.584	18.797	PV	880	24058	0.34%	0.157%
267	18.947	18.797	18.967	VV	232	10873	0.15%	0.071%
268	19.146	18.967	19.198	PV	1397	39494	0.56%	0.258%
269	19.256	19.198	19.277	VV	168	5415	0.08%	0.035%
270	19.452	19.277	19.468	VV	329	24227	0.34%	0.158%
271	19.522	19.468	19.558	VV	850	21958	0.31%	0.143%
272	19.885	19.558	19.921	VV	1773	170307	2.42%	1.113%
273	20.245	19.921	20.268	VV	1875	289925	4.12%	1.894%
274	20.464	20.268	20.497	VV	2268	283304	4.03%	1.851%
275	20.593	20.497	20.634	VV	2778	194660	2.77%	1.272%
276	20.789	20.634	20.811	VV	2214	232159	3.30%	1.517%
277	20.915	20.811	20.944	VV	2125	166607	2.37%	1.089%
278	20.997	20.944	21.056	VV	1991	127038	1.81%	0.830%
279	21.123	21.056	21.168	VV	1742	113243	1.61%	0.740%
280	21.190	21.168	21.244	VV	1654	71031	1.01%	0.464%
281	21.258	21.244	21.311	VV	1514	56928	0.81%	0.372%
282	21.435	21.311	21.501	VV	1468	147344	2.09%	0.963%
283	21.513	21.501	21.544	VV	1108	26748	0.38%	0.175%
284	21.560	21.544	21.578	VV	993	19188	0.27%	0.125%
285	21.643	21.578	21.728	VV	947	75516	1.07%	0.493%
286	21.768	21.728	21.788	VV	691	23929	0.34%	0.156%
287	21.809	21.788	21.841	VV	593	17462	0.25%	0.114%
288	21.854	21.841	21.914	VV	489	17892	0.25%	0.117%
289	21.941	21.914	21.991	VV	356	12472	0.18%	0.081%
290	22.005	21.991	22.031	VV	184	3217	0.05%	0.021%

Sum of corrected areas: 15305902

Aliphatic EPH 032625.M Wed Apr 02 03:34:27 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-003-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-12		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015603.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		16.8	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16		24.2	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21		171		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36		23.8	U	23.8	80.0	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		48.0		40 - 140	96%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		48.0		40 - 140	96%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-12	Acq On:	01 Apr 2025 19:55
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP\AJ
Data file:	FG015603.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1126094	8.404	200	ug/ml
Aromatic C12-C16	6.330	9.035	1660428	12.107	300	ug/ml
Aromatic C16-C21	9.036	13.365	11957798	85.774	500	ug/ml
Aromatic C21-C36	13.366	18.829	1393204	10.701	800	ug/ml
Aromatic EPH	4.450	18.829	16137524	116.985		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6994550	47.96		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5864076	48.01		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	2680124	32.42		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015603.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:55
Operator : YP\AJ
Sample : Q1664-12
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:05 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...	7.961	5864076	48.005 ug/ml
Spiked Amount 50.000		Recovery =	96.01%
6) S 2-Flurobiphenyl (SURR)	8.838	2680124	32.425 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	64.85%
11) S ortho-Terphenyl (SURR)	11.912	6994550	47.964 ug/ml
Spiked Amount 50.000		Recovery =	95.93%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

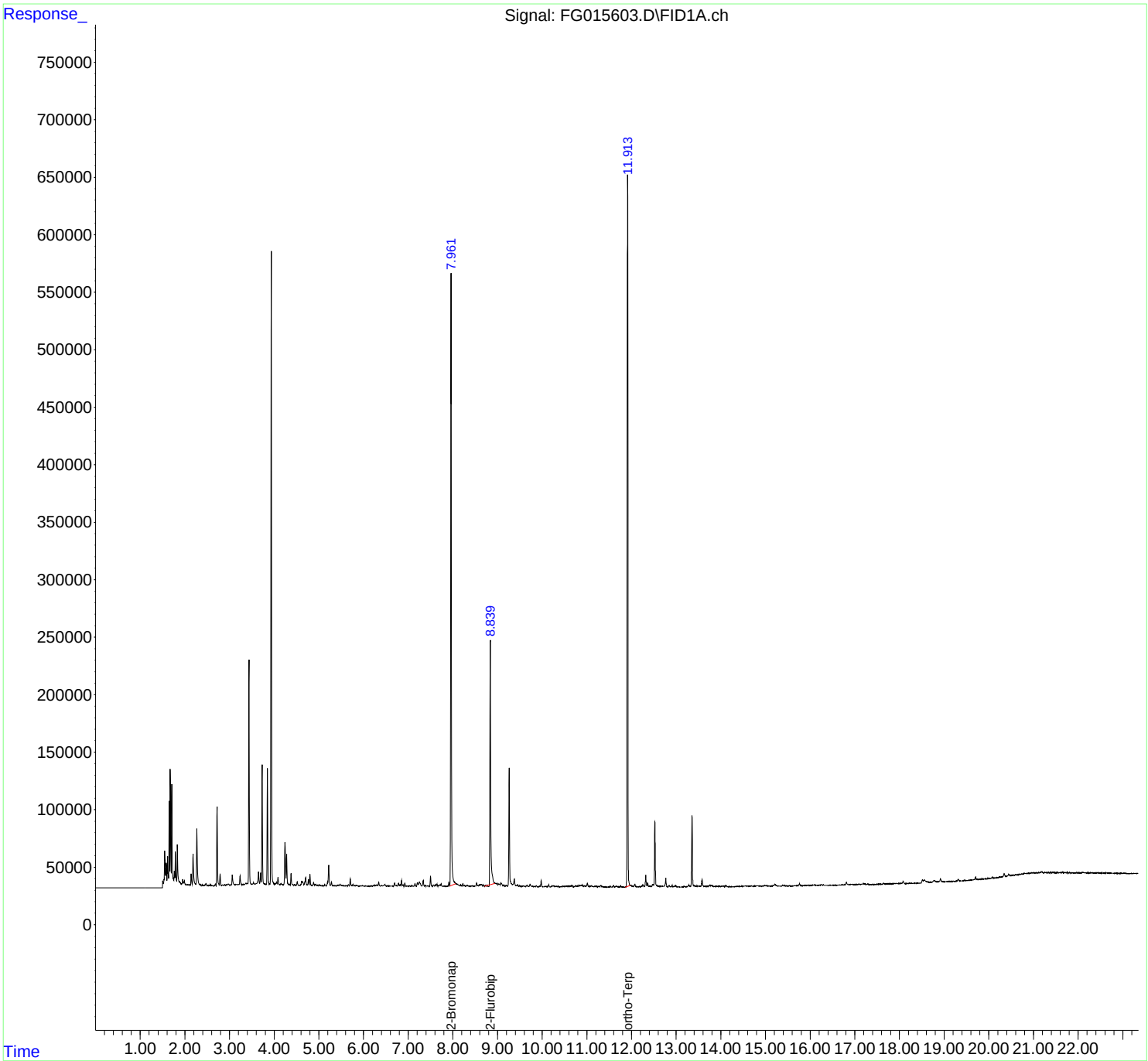
Quantitation Report (QT Reviewed)

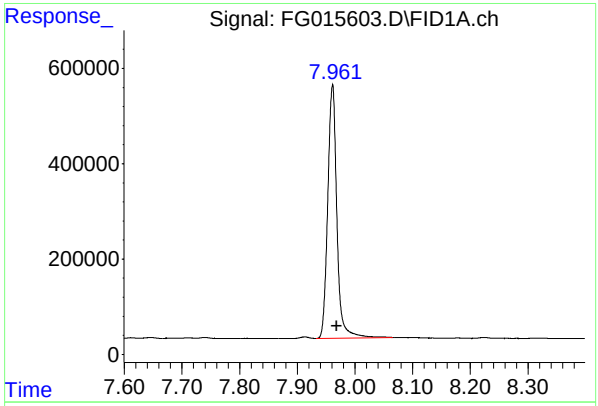
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015603.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:55
Operator : YP\AJ
Sample : Q1664-12
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:05 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

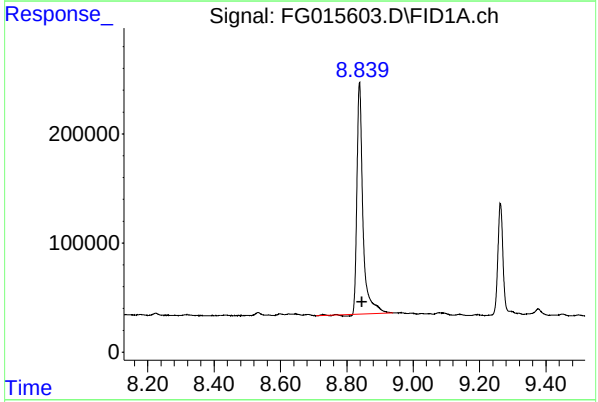




#4 2-Bromonaphthalene (SURR)

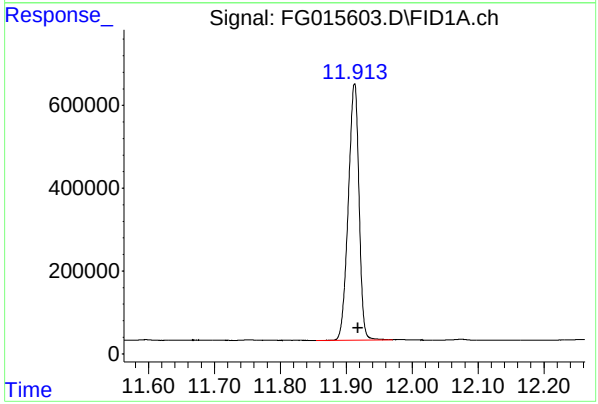
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 5864076
Conc: 48.01 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-003-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 2680124
Conc: 32.42 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.005 min
Response: 6994550
Conc: 47.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015603.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:55
Sample : Q1664-12
Misc :
ALS Vial : 31 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	4.378	4.356	4.432	PV	10289	105042	1.49%	0.418%
2	4.438	4.432	4.447	VV	273	2174	0.03%	0.009%
3	4.459	4.447	4.482	VV	479	5403	0.08%	0.022%
4	4.516	4.482	4.543	PV	3228	36921	0.52%	0.147%
5	4.555	4.543	4.573	VV	265	2398	0.03%	0.010%
6	4.615	4.573	4.631	PV	3830	57886	0.82%	0.230%
7	4.641	4.631	4.664	VV	3030	41465	0.59%	0.165%
8	4.704	4.664	4.732	VV	6974	116969	1.66%	0.466%
9	4.736	4.732	4.748	VV	694	5754	0.08%	0.023%
10	4.767	4.748	4.784	VV	5381	58766	0.83%	0.234%
11	4.801	4.784	4.851	VV	9942	112853	1.60%	0.449%
12	4.882	4.859	4.912	VV	2901	38117	0.54%	0.152%
13	4.929	4.912	4.959	VV	1287	19020	0.27%	0.076%
14	4.977	4.959	4.991	VV	475	6643	0.09%	0.026%
15	5.011	4.991	5.047	VV	837	12083	0.17%	0.048%
16	5.064	5.047	5.088	VV	162	1807	0.03%	0.007%
17	5.094	5.088	5.114	VV	143	1446	0.02%	0.006%
18	5.132	5.114	5.161	VV	904	14636	0.21%	0.058%
19	5.196	5.161	5.204	VV	3631	38805	0.55%	0.154%
20	5.221	5.204	5.262	VV	17970	225552	3.20%	0.898%
21	5.283	5.262	5.321	VV	3463	42344	0.60%	0.169%
22	5.341	5.321	5.379	VV	322	6433	0.09%	0.026%
23	5.404	5.388	5.412	VV	238	2099	0.03%	0.008%
24	5.430	5.412	5.452	VV	1043	10216	0.14%	0.041%
25	5.474	5.452	5.550	VV	1610	35401	0.50%	0.141%
26	5.562	5.550	5.582	VV	247	3834	0.05%	0.015%
27	5.586	5.582	5.605	VV	281	2811	0.04%	0.011%
28	5.621	5.605	5.640	VV	542	6567	0.09%	0.026%
29	5.661	5.640	5.683	VV	1356	18420	0.26%	0.073%
30	5.704	5.683	5.726	VV	6352	70619	1.00%	0.281%
31	5.739	5.726	5.749	VV	660	7620	0.11%	0.030%
32	5.764	5.749	5.796	VV	1671	20802	0.29%	0.083%
33	5.833	5.796	5.847	VV	594	12682	0.18%	0.050%
34	5.855	5.847	5.896	VV	580	7260	0.10%	0.029%
35	5.924	5.904	5.949	PV	410	5548	0.08%	0.022%
36	5.973	5.949	5.993	VV	777	10208	0.14%	0.041%

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37	6.007	5.993	6.016	VV	180	1617	0.02%	0.006%
38	6.032	6.016	6.077	VV	352	7881	0.11%	0.031%
39	6.159	6.124	6.173	VV	298	6192	0.09%	0.025%
40	6.179	6.173	6.209	VV	393	6135	0.09%	0.024%
41	6.246	6.209	6.276	VV	987	23711	0.34%	0.094%
42	6.296	6.276	6.320	VV	1387	21170	0.30%	0.084%
43	6.342	6.320	6.377	VV	3696	49695	0.70%	0.198%
44	6.408	6.377	6.441	VV	714	18187	0.26%	0.072%
45	6.479	6.441	6.541	VV	1713	42556	0.60%	0.169%
46	6.545	6.541	6.569	VV	367	5423	0.08%	0.022%
47	6.576	6.569	6.614	VV	330	7972	0.11%	0.032%
48	6.632	6.614	6.640	VV	282	3745	0.05%	0.015%
49	6.660	6.640	6.666	VV	395	4665	0.07%	0.019%
50	6.697	6.666	6.726	VV	3074	44704	0.63%	0.178%
51	6.740	6.726	6.760	VV	644	10449	0.15%	0.042%
52	6.784	6.760	6.803	VV	2762	35535	0.50%	0.141%
53	6.820	6.803	6.833	VV	1812	20467	0.29%	0.081%
54	6.851	6.833	6.870	VV	5137	58262	0.83%	0.232%
55	6.884	6.870	6.907	VV	1577	18192	0.26%	0.072%
56	6.926	6.907	6.947	VV	2935	32514	0.46%	0.129%
57	6.952	6.947	6.968	VV	443	4306	0.06%	0.017%
58	6.980	6.968	7.001	VV	395	5369	0.08%	0.021%
59	7.030	7.001	7.050	VV	664	10318	0.15%	0.041%
60	7.078	7.050	7.127	VV	736	15449	0.22%	0.062%
61	7.152	7.127	7.184	VV	2544	33305	0.47%	0.133%
62	7.208	7.184	7.226	VV	3390	48660	0.69%	0.194%
63	7.253	7.226	7.307	VV	4048	106752	1.51%	0.425%
64	7.338	7.307	7.366	VV	5206	71524	1.01%	0.285%
65	7.385	7.366	7.402	VV	1162	16353	0.23%	0.065%
66	7.419	7.402	7.424	VV	421	4923	0.07%	0.020%
67	7.445	7.424	7.469	VV	857	12137	0.17%	0.048%
68	7.502	7.469	7.537	VV	9242	106307	1.51%	0.423%
69	7.563	7.537	7.595	VV	1373	27536	0.39%	0.110%
70	7.612	7.595	7.627	VV	1836	21748	0.31%	0.087%
71	7.645	7.627	7.666	VV	2226	32193	0.46%	0.128%
72	7.683	7.666	7.693	VV	956	11784	0.17%	0.047%
73	7.712	7.693	7.726	VV	1563	22159	0.31%	0.088%
74	7.739	7.726	7.765	VV	2470	29251	0.41%	0.116%
75	7.771	7.765	7.777	VV	221	1493	0.02%	0.006%
76	7.812	7.777	7.840	VV	571	12720	0.18%	0.051%
77	7.862	7.840	7.871	VV	424	5936	0.08%	0.024%
78	7.886	7.871	7.892	VV	486	4939	0.07%	0.020%
79	7.913	7.892	7.932	VV	3668	41977	0.60%	0.167%
80	7.961	7.932	8.036	VV	531730	5924415	84.01%	23.586%
81	8.043	8.036	8.096	VV	3887	101496	1.44%	0.404%
82	8.106	8.096	8.163	VV	2184	59266	0.84%	0.236%
83	8.178	8.163	8.202	VV	1480	25023	0.35%	0.100%
84	8.224	8.202	8.275	VV	2574	50384	0.71%	0.201%
85	8.281	8.275	8.293	VV	734	6553	0.09%	0.026%
86	8.317	8.293	8.378	VV	1324	34816	0.49%	0.139%
87	8.393	8.378	8.402	VV	430	5566	0.08%	0.022%
88	8.433	8.402	8.458	VV	948	19688	0.28%	0.078%
89	8.475	8.458	8.484	VV	526	7292	0.10%	0.029%

90	8.533	8.484	8.555	VV	3347	54024	0.77%	0.215%
91	8.563	8.555	8.577	VV	1130	11784	0.17%	0.047%
92	8.599	8.577	8.614	VV	2075	30765	0.44%	0.122%
93	8.625	8.614	8.638	VV	2036	25834	0.37%	0.103%
94	8.646	8.638	8.664	VV	1999	25556	0.36%	0.102%
95	8.683	8.664	8.707	VV	1582	26754	0.38%	0.107%
96	8.729	8.707	8.750	VV	1468	22750	0.32%	0.091%
97	8.767	8.750	8.805	VV	1600	21880	0.31%	0.087%
98	8.838	8.805	8.954	VV	215804	2896472	41.07%	11.531%
99	8.963	8.954	8.982	VV	3177	47714	0.68%	0.190%
100	8.997	8.982	9.014	VV	2971	49763	0.71%	0.198%
101	9.026	9.014	9.039	VV	2535	34015	0.48%	0.135%
102	9.050	9.039	9.062	VV	2392	30037	0.43%	0.120%
103	9.080	9.062	9.119	VV	3208	80280	1.14%	0.320%
104	9.140	9.119	9.177	VV	1788	38953	0.55%	0.155%
105	9.191	9.177	9.218	VV	1476	26173	0.37%	0.104%
106	9.263	9.218	9.332	VV	103571	1216419	17.25%	4.843%
107	9.377	9.332	9.410	VV	6835	143115	2.03%	0.570%
108	9.422	9.410	9.432	VV	1166	13757	0.20%	0.055%
109	9.449	9.432	9.484	VV	2004	35260	0.50%	0.140%
110	9.499	9.484	9.518	VV	1236	16539	0.23%	0.066%
111	9.523	9.518	9.532	VV	407	3126	0.04%	0.012%
112	9.557	9.532	9.569	VV	606	10895	0.15%	0.043%
113	9.581	9.569	9.622	VV	979	19837	0.28%	0.079%
114	9.650	9.622	9.657	VV	1114	15420	0.22%	0.061%
115	9.667	9.657	9.692	VV	1236	16507	0.23%	0.066%
116	9.695	9.692	9.705	VV	357	2238	0.03%	0.009%
117	9.729	9.705	9.792	VV	2340	48720	0.69%	0.194%
118	9.804	9.792	9.819	VV	570	7613	0.11%	0.030%
119	9.825	9.819	9.854	VV	560	7242	0.10%	0.029%
120	9.871	9.854	9.899	VV	1243	16465	0.23%	0.066%
121	9.938	9.912	9.950	VV	594	8270	0.12%	0.033%
122	9.979	9.950	10.008	VV	5775	70102	0.99%	0.279%
123	10.012	10.008	10.020	VV	243	1225	0.02%	0.005%
124	10.026	10.020	10.042	VV	156	1694	0.02%	0.007%
125	10.068	10.042	10.125	VV	572	16188	0.23%	0.064%
126	10.148	10.125	10.181	VV	1841	24922	0.35%	0.099%
127	10.223	10.181	10.236	VV	944	16596	0.24%	0.066%
128	10.255	10.236	10.286	VV	987	21964	0.31%	0.087%
129	10.294	10.286	10.309	VV	638	6596	0.09%	0.026%
130	10.316	10.309	10.339	VV	522	7116	0.10%	0.028%
131	10.354	10.339	10.382	VV	777	13113	0.19%	0.052%
132	10.391	10.382	10.403	VV	311	3512	0.05%	0.014%
133	10.427	10.403	10.438	VV	554	8480	0.12%	0.034%
134	10.468	10.438	10.506	VV	1055	25839	0.37%	0.103%
135	10.541	10.506	10.558	VV	1063	22128	0.31%	0.088%
136	10.578	10.558	10.596	VV	1129	18851	0.27%	0.075%
137	10.617	10.596	10.645	VV	874	20206	0.29%	0.080%
138	10.664	10.645	10.692	VV	1765	25489	0.36%	0.101%
139	10.701	10.692	10.720	VV	416	6261	0.09%	0.025%
140	10.750	10.720	10.761	VV	1221	19494	0.28%	0.078%
141	10.774	10.761	10.800	VV	1101	20263	0.29%	0.081%

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142	10.822	10.800	10.866	VV	1640	49323	0.70%	0.196%
143	10.887	10.866	10.926	VV	1893	48876	0.69%	0.195%
144	10.942	10.926	10.959	VV	1317	19249	0.27%	0.077%
145	10.972	10.959	10.986	VV	931	12819	0.18%	0.051%
146	11.016	10.986	11.052	VV	3269	60587	0.86%	0.241%
147	11.057	11.052	11.064	VV	561	3871	0.05%	0.015%
148	11.079	11.064	11.090	VV	810	11430	0.16%	0.046%
149	11.106	11.090	11.157	VV	1393	30115	0.43%	0.120%
150	11.177	11.157	11.190	VV	779	12259	0.17%	0.049%
151	11.209	11.190	11.244	VV	921	22706	0.32%	0.090%
152	11.256	11.244	11.272	VV	682	9191	0.13%	0.037%
153	11.285	11.272	11.291	VV	770	6990	0.10%	0.028%
154	11.315	11.291	11.333	VV	1513	26367	0.37%	0.105%
155	11.344	11.333	11.369	VV	790	10760	0.15%	0.043%
156	11.386	11.369	11.416	VV	459	8175	0.12%	0.033%
157	11.424	11.416	11.449	VV	185	2382	0.03%	0.009%
158	11.464	11.449	11.490	VV	206	3036	0.04%	0.012%
159	11.525	11.498	11.552	VV	1095	15793	0.22%	0.063%
160	11.596	11.552	11.622	VV	1714	26142	0.37%	0.104%
161	11.644	11.622	11.654	VV	812	9754	0.14%	0.039%
162	11.668	11.654	11.730	VV	913	22146	0.31%	0.088%
163	11.753	11.730	11.774	VV	1372	17136	0.24%	0.068%
164	11.786	11.774	11.798	VV	342	3380	0.05%	0.013%
165	11.807	11.798	11.866	VV	300	5754	0.08%	0.023%
166	11.913	11.866	11.970	PV	620352	7051709	100.00%	28.074%
167	11.983	11.970	12.042	VV	1964	52425	0.74%	0.209%
168	12.074	12.042	12.108	VV	2697	49234	0.70%	0.196%
169	12.113	12.108	12.136	VV	493	6549	0.09%	0.026%
170	12.160	12.136	12.178	VV	488	10572	0.15%	0.042%
171	12.192	12.178	12.204	VV	662	7690	0.11%	0.031%
172	12.255	12.204	12.289	VV	2194	58770	0.83%	0.234%
173	12.318	12.289	12.342	VV	10517	143579	2.04%	0.572%
174	12.359	12.342	12.383	VV	3794	55330	0.78%	0.220%
175	12.399	12.383	12.416	VV	1076	17124	0.24%	0.068%
176	12.421	12.416	12.442	VV	907	11275	0.16%	0.045%
177	12.482	12.442	12.497	VV	2485	54628	0.77%	0.217%
178	12.524	12.497	12.613	VV	56421	722634	10.25%	2.877%
179	12.623	12.613	12.627	VV	711	5915	0.08%	0.024%
180	12.642	12.627	12.651	VV	867	10828	0.15%	0.043%
181	12.656	12.651	12.659	VV	744	3512	0.05%	0.014%
182	12.679	12.659	12.715	VV	1024	28131	0.40%	0.112%
183	12.767	12.715	12.813	VV	7809	130796	1.85%	0.521%
184	12.844	12.813	12.882	VV	1534	28544	0.40%	0.114%
185	12.908	12.882	12.934	VV	1779	26859	0.38%	0.107%
186	12.939	12.934	12.946	VV	476	2984	0.04%	0.012%
187	12.980	12.946	13.035	VV	1256	33830	0.48%	0.135%
188	13.039	13.035	13.044	VV	296	1595	0.02%	0.006%
189	13.046	13.044	13.071	VV	316	2967	0.04%	0.012%
190	13.162	13.135	13.172	VV	405	6140	0.09%	0.024%
191	13.194	13.172	13.218	VV	603	11800	0.17%	0.047%
192	13.233	13.218	13.249	VV	481	6355	0.09%	0.025%
193	13.279	13.249	13.321	VV	1916	42858	0.61%	0.171%
194	13.354	13.321	13.441	VV	61940	828019	11.74%	3.296%

195	13.478	13.441	13.497	VV	1089	27248	0.39%	0.108%
196	13.520	13.497	13.527	VV	888	12737	0.18%	0.051%
197	13.533	13.527	13.538	VV	723	4596	0.07%	0.018%
198	13.543	13.538	13.552	VV	777	6015	0.09%	0.024%
199	13.578	13.552	13.622	VV	6557	102055	1.45%	0.406%
200	13.645	13.622	13.682	VV	737	20790	0.29%	0.083%
201	13.726	13.682	13.730	VV	914	17191	0.24%	0.068%
202	13.754	13.730	13.772	VV	1839	32122	0.46%	0.128%
203	13.794	13.772	13.806	VV	1239	22859	0.32%	0.091%
204	13.810	13.806	13.842	VV	1219	15238	0.22%	0.061%
205	13.866	13.842	13.890	VV	540	12203	0.17%	0.049%
206	13.901	13.890	13.916	VV	559	7628	0.11%	0.030%
207	13.929	13.916	13.946	VV	625	8843	0.13%	0.035%
208	13.981	13.946	14.003	VV	764	18453	0.26%	0.073%
209	14.023	14.003	14.032	VV	536	7465	0.11%	0.030%
210	14.053	14.032	14.087	VV	993	19713	0.28%	0.078%
211	14.111	14.087	14.151	VV	1404	23835	0.34%	0.095%
212	14.156	14.151	14.164	VV	295	1721	0.02%	0.007%
213	14.167	14.164	14.179	VV	270	1607	0.02%	0.006%
214	14.212	14.189	14.267	VV	295	7572	0.11%	0.030%
215	14.276	14.267	14.301	PV	112	1236	0.02%	0.005%
216	14.324	14.301	14.342	VV	230	3514	0.05%	0.014%
217	14.365	14.348	14.389	VV	268	5390	0.08%	0.021%
218	14.409	14.389	14.427	VV	269	4836	0.07%	0.019%
219	14.447	14.427	14.469	VV	385	6925	0.10%	0.028%
220	14.474	14.469	14.497	VV	454	4383	0.06%	0.017%
221	14.520	14.497	14.531	VV	556	8756	0.12%	0.035%
222	14.549	14.531	14.583	VV	896	19349	0.27%	0.077%
223	14.600	14.583	14.617	VV	553	9701	0.14%	0.039%
224	14.624	14.617	14.631	VV	405	3086	0.04%	0.012%
225	14.638	14.631	14.642	VV	480	2743	0.04%	0.011%
226	14.647	14.642	14.654	VV	447	2877	0.04%	0.011%
227	14.675	14.654	14.682	VV	529	7861	0.11%	0.031%
228	14.685	14.682	14.712	VV	499	6176	0.09%	0.025%
229	14.731	14.712	14.735	VV	313	3626	0.05%	0.014%
230	14.767	14.735	14.787	VV	599	13527	0.19%	0.054%
231	14.807	14.787	14.872	VV	708	28151	0.40%	0.112%
232	14.880	14.872	14.899	VV	589	7264	0.10%	0.029%
233	14.906	14.899	14.910	VV	341	1899	0.03%	0.008%
234	14.930	14.910	14.949	VV	584	10314	0.15%	0.041%
235	14.954	14.949	14.959	VV	471	2557	0.04%	0.010%
236	14.991	14.959	15.011	VV	804	18375	0.26%	0.073%
237	15.022	15.011	15.045	VV	727	11683	0.17%	0.047%
238	15.055	15.045	15.111	VV	534	10940	0.16%	0.044%
239	15.215	15.120	15.301	VV	1663	64202	0.91%	0.256%
240	15.330	15.315	15.353	VV	147	2172	0.03%	0.009%
241	15.382	15.353	15.402	VV	861	12413	0.18%	0.049%
242	15.412	15.402	15.462	VV	604	10541	0.15%	0.042%
243	15.485	15.474	15.505	VV	175	1584	0.02%	0.006%
244	15.524	15.505	15.573	PV	301	5789	0.08%	0.023%
245	15.616	15.604	15.620	VV	140	1044	0.01%	0.004%
246	15.636	15.629	15.641	VV	199	1135	0.02%	0.005%

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247	15.654	15.641	15.661	VV	201	1862	0.03%	0.007%
248	15.701	15.661	15.717	VV	327	7593	0.11%	0.030%
249	15.758	15.724	15.822	VV	1788	39041	0.55%	0.155%
250	15.828	15.822	15.845	VV	192	2491	0.04%	0.010%
251	15.863	15.845	15.867	VV	333	3085	0.04%	0.012%
252	15.890	15.867	15.916	VV	422	9931	0.14%	0.040%
253	15.919	15.916	15.926	VV	307	1785	0.03%	0.007%
254	15.933	15.926	15.940	VV	334	2748	0.04%	0.011%
255	15.955	15.940	16.006	VV	448	12000	0.17%	0.048%
256	16.063	16.006	16.077	VV	544	16020	0.23%	0.064%
257	16.089	16.077	16.096	VV	642	6221	0.09%	0.025%
258	16.101	16.096	16.126	VV	577	7562	0.11%	0.030%
259	16.130	16.126	16.140	VV	341	2594	0.04%	0.010%
260	16.142	16.140	16.167	VV	316	3434	0.05%	0.014%
261	16.177	16.167	16.182	VV	215	1447	0.02%	0.006%
262	16.201	16.182	16.217	VV	463	6672	0.09%	0.027%
263	16.242	16.217	16.272	VV	1105	19897	0.28%	0.079%
264	16.293	16.272	16.333	VV	542	10775	0.15%	0.043%
265	16.346	16.333	16.359	VV	148	1544	0.02%	0.006%
266	16.374	16.359	16.386	VV	168	1599	0.02%	0.006%
267	16.452	16.404	16.471	VV	138	3087	0.04%	0.012%
268	16.481	16.471	16.502	VV	112	1465	0.02%	0.006%
269	16.521	16.502	16.531	PV	108	1277	0.02%	0.005%
270	16.536	16.531	16.563	VV	145	1209	0.02%	0.005%
271	16.589	16.573	16.604	VV	157	1665	0.02%	0.007%
272	16.614	16.604	16.633	VV	220	2448	0.03%	0.010%
273	16.645	16.633	16.663	VV	201	2352	0.03%	0.009%
274	16.699	16.675	16.704	VV	226	3087	0.04%	0.012%
275	16.727	16.704	16.750	VV	414	8781	0.12%	0.035%
276	16.810	16.750	16.847	VV	2473	50549	0.72%	0.201%
277	16.854	16.847	16.860	VV	428	3195	0.05%	0.013%
278	16.887	16.860	16.896	VV	596	10672	0.15%	0.042%
279	16.927	16.896	16.934	VV	620	11747	0.17%	0.047%
280	16.938	16.934	16.953	VV	557	5819	0.08%	0.023%
281	16.958	16.953	17.012	VV	479	13073	0.19%	0.052%
282	17.025	17.012	17.034	VV	492	4935	0.07%	0.020%
283	17.037	17.034	17.041	VV	368	1505	0.02%	0.006%
284	17.044	17.041	17.048	VV	350	1315	0.02%	0.005%
285	17.083	17.048	17.089	VV	541	9522	0.14%	0.038%
286	17.093	17.089	17.099	VV	497	2695	0.04%	0.011%
287	17.101	17.099	17.111	VV	473	3008	0.04%	0.012%
288	17.118	17.111	17.135	VV	545	6173	0.09%	0.025%
289	17.164	17.135	17.171	VV	634	10317	0.15%	0.041%
290	17.193	17.171	17.221	VV	1424	25772	0.37%	0.103%
291	17.244	17.221	17.282	VV	502	11497	0.16%	0.046%
292	17.295	17.282	17.298	VV	337	2629	0.04%	0.010%
293	17.304	17.298	17.322	VV	326	3645	0.05%	0.015%
294	17.326	17.322	17.347	VV	216	2460	0.03%	0.010%
295	17.379	17.361	17.386	VV	145	1669	0.02%	0.007%
296	17.437	17.386	17.453	VV	114	2255	0.03%	0.009%
297	17.492	17.453	17.506	PV	147	2890	0.04%	0.012%
298	17.523	17.506	17.550	VV	165	2923	0.04%	0.012%
299	17.563	17.550	17.591	VV	158	1902	0.03%	0.008%

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300	17.601	17.591	17.616	VV	158	1764	0.03%	0.007%
301	17.647	17.616	17.681	VV	865	17119	0.24%	0.068%
302	17.685	17.681	17.710	VV	247	3219	0.05%	0.013%
303	17.722	17.710	17.736	VV	324	3742	0.05%	0.015%
304	17.753	17.736	17.758	VV	297	3477	0.05%	0.014%
305	17.764	17.758	17.774	VV	276	1724	0.02%	0.007%
306	17.780	17.774	17.796	VV	280	1995	0.03%	0.008%
307	17.830	17.804	17.834	VV	112	1763	0.02%	0.007%
308	17.878	17.834	17.882	VV	271	6341	0.09%	0.025%
309	17.888	17.882	17.911	VV	285	4738	0.07%	0.019%
310	17.917	17.911	17.923	VV	339	1968	0.03%	0.008%
311	17.928	17.923	17.946	VV	300	3068	0.04%	0.012%
312	17.956	17.946	17.989	VV	227	5022	0.07%	0.020%
313	18.026	17.989	18.038	VV	322	7203	0.10%	0.029%
314	18.053	18.038	18.057	VV	526	4561	0.06%	0.018%
315	18.083	18.057	18.134	VV	2199	39054	0.55%	0.155%
316	18.141	18.134	18.152	VV	261	1933	0.03%	0.008%
317	18.193	18.152	18.197	VV	257	4580	0.06%	0.018%
318	18.219	18.197	18.225	VV	258	3359	0.05%	0.013%
319	18.231	18.225	18.235	VV	232	1156	0.02%	0.005%
320	18.248	18.241	18.252	VV	205	1180	0.02%	0.005%
321	18.257	18.252	18.276	VV	244	2029	0.03%	0.008%
322	18.358	18.329	18.393	PV	246	4553	0.06%	0.018%
323	18.439	18.407	18.449	VV	103	1441	0.02%	0.006%
324	18.512	18.469	18.530	VV	2834	47151	0.67%	0.188%
325	18.549	18.530	18.672	VV	2626	108515	1.54%	0.432%
326	18.681	18.672	18.699	VV	425	5325	0.08%	0.021%
327	18.704	18.699	18.710	VV	344	1768	0.03%	0.007%
328	18.764	18.710	18.844	VV	1568	63677	0.90%	0.254%
329	18.856	18.844	18.864	VV	439	4355	0.06%	0.017%
330	18.873	18.864	18.877	VV	339	2415	0.03%	0.010%
331	18.917	18.877	19.001	VBA	2902	45929	0.65%	0.183%

Sum of corrected areas: 25118322

Aromatic EPH 031725.M Wed Apr 02 02:32:12 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 18:02	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.37	J	1	0.15	1.05	mg/kg	FC068435.D
Aliphatic C12-C16	Aliphatic C12-C16	0.80		1	0.12	0.70	mg/kg	FC068435.D
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	1	0.14	1.05	mg/kg	FC068435.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.40	mg/kg	FC068435.D
Aliphatic C28-C40	Aliphatic C28-C40	1.48	J	1	1.24	2.09	mg/kg	FC068435.D
Aromatic C10-C12	Aromatic C10-C12	0.61	J	1	0.13	0.70	mg/kg	FG015583.D
Aromatic C12-C16	Aromatic C12-C16	0.75	J	1	0.24	1.05	mg/kg	FG015583.D
Aromatic C16-C21	Aromatic C16-C21	2.45		1	0.42	1.75	mg/kg	FG015583.D
Aromatic C21-C36	Aromatic C21-C36	1.25	U	1	1.25	2.79	mg/kg	FG015583.D
Total AliphaticEPH	Total AliphaticEPH	3.05	J		2.19	6.29	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.80	J		2.04	6.29	mg/kg	
Total EPH	Total EPH	6.86	J		4.23	12.6	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

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068435.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.37	J	0.15	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.80		0.12	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.41	J	0.14	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.56	U	0.56	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.48	J	1.24	2.09	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-13	Acq On:	28 Mar 2025 18:02
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP/AJ
Data file:	FC068435.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	860385	5.301	300	ug/ml
Aliphatic C12-C16	6.361	9.742	1922355	11.429	200	ug/ml
Aliphatic C16-C21	9.743	13.094	997770	5.818	300	ug/ml
Aliphatic C21-C28	13.095	16.746	903654	5.351	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2894075	21.253	600	ug/ml
Aliphatic EPH	3.100	21.538	7578239	49.152		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	5296863	35.53		ug/ml
Aliphatic C9-C28	3.100	16.746	4684164	27.899	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068435.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:02
Operator : YP/AJ
Sample : Q1664-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.827	5296863	35.532 ug/ml
Spiked Amount 50.000		Recovery = 71.06%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

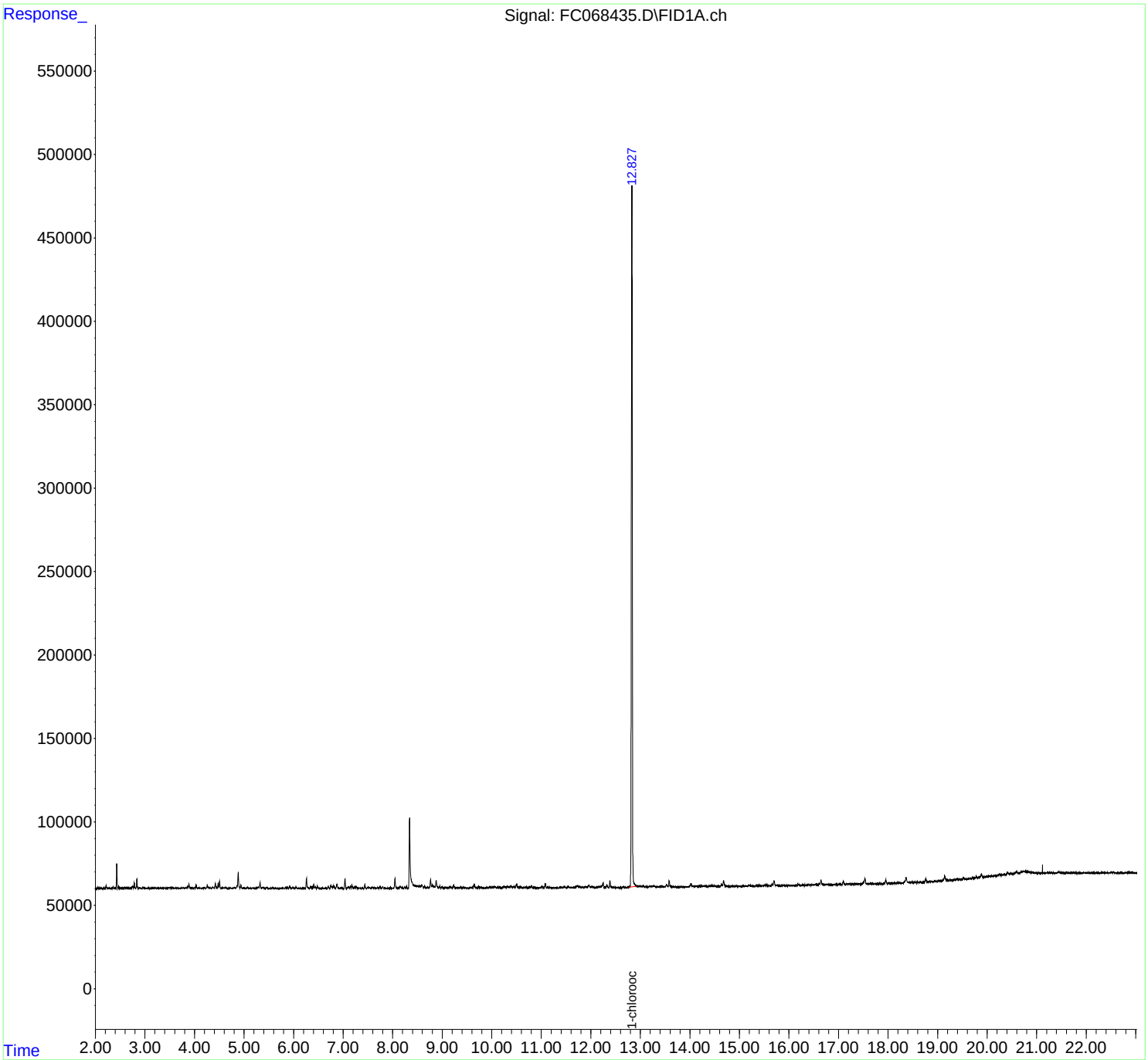
Quantitation Report (QT Reviewed)

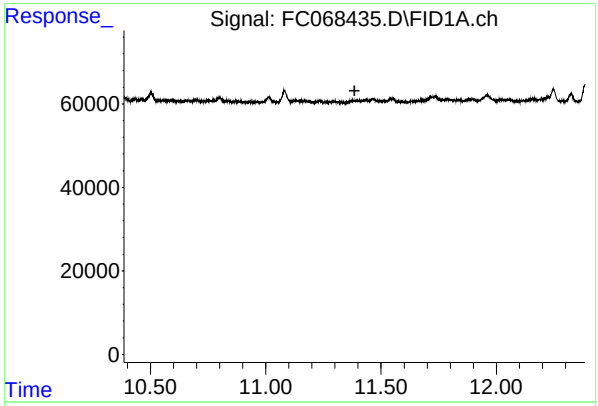
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068435.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:02
Operator : YP/AJ
Sample : Q1664-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

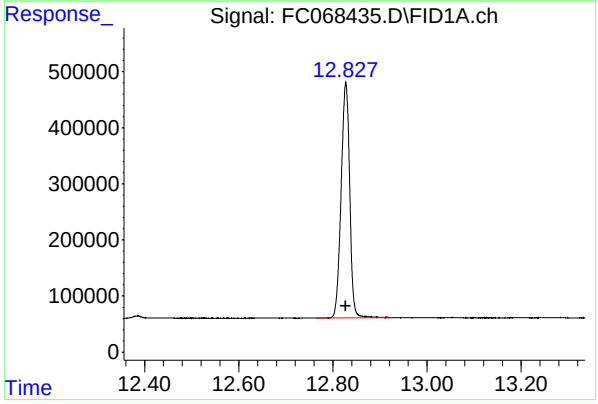




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-004-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 5296863
Conc: 35.53 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068435.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:02
Sample : Q1664-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.323	2.304	2.336	BV	114	1259	0.02%	0.009%
2	2.358	2.336	2.411	PV	1064	10326	0.19%	0.077%
3	2.430	2.411	2.458	VV	14767	117132	2.18%	0.872%
4	2.471	2.458	2.486	VV	1094	9407	0.18%	0.070%
5	2.494	2.486	2.544	VV	264	6110	0.11%	0.045%
6	2.590	2.544	2.624	VV	618	9949	0.19%	0.074%
7	2.656	2.624	2.695	VV	313	7828	0.15%	0.058%
8	2.704	2.695	2.721	VV	206	2278	0.04%	0.017%
9	2.749	2.721	2.771	VV	1142	20369	0.38%	0.152%
10	2.786	2.771	2.814	VV	3320	30146	0.56%	0.224%
11	2.836	2.814	2.884	VV	5687	55055	1.03%	0.410%
12	2.895	2.884	2.931	VV	208	4858	0.09%	0.036%
13	2.959	2.931	3.024	VV	938	15581	0.29%	0.116%
14	3.029	3.024	3.057	VV	220	2425	0.05%	0.018%
15	3.068	3.057	3.104	VV	171	2984	0.06%	0.022%
16	3.147	3.104	3.163	VV	162	4076	0.08%	0.030%
17	3.204	3.163	3.271	VV	810	14575	0.27%	0.109%
18	3.277	3.271	3.287	VV	85	1097	0.02%	0.008%
19	3.311	3.287	3.344	VV	180	4425	0.08%	0.033%
20	3.401	3.344	3.434	VV	239	7752	0.14%	0.058%
21	3.494	3.434	3.505	VV	692	12644	0.24%	0.094%
22	3.519	3.505	3.551	VV	799	10605	0.20%	0.079%
23	3.570	3.551	3.601	VV	526	7819	0.15%	0.058%
24	3.618	3.601	3.631	VV	262	3109	0.06%	0.023%
25	3.660	3.631	3.676	VV	236	4518	0.08%	0.034%
26	3.694	3.676	3.719	VV	295	5791	0.11%	0.043%
27	3.773	3.719	3.819	VV	373	13076	0.24%	0.097%
28	3.860	3.819	3.871	VV	1035	13289	0.25%	0.099%
29	3.888	3.871	3.934	VV	2766	31976	0.60%	0.238%
30	3.954	3.934	3.980	VV	381	6238	0.12%	0.046%
31	4.033	3.980	4.091	VV	2158	37632	0.70%	0.280%
32	4.098	4.091	4.112	VV	274	3088	0.06%	0.023%
33	4.195	4.112	4.233	VV	338	17381	0.32%	0.129%
34	4.258	4.233	4.338	VV	1842	36173	0.67%	0.269%
35	4.368	4.338	4.391	VV	866	14441	0.27%	0.108%
36	4.421	4.391	4.443	VV	3109	36985	0.69%	0.275%

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37	4.451	4.443	4.461	VV	576	5683	0.11%	0.042%
38	4.477	4.461	4.490	VV	2821	29161	0.54%	0.217%
39	4.506	4.490	4.591	VV	4209	52485	0.98%	0.391%
40	4.621	4.591	4.656	VV	564	10993	0.20%	0.082%
41	4.694	4.656	4.714	VV	305	6433	0.12%	0.048%
42	4.727	4.714	4.764	VV	192	3194	0.06%	0.024%
43	4.804	4.764	4.824	VV	629	10071	0.19%	0.075%
44	4.882	4.824	4.918	VV	9466	129925	2.42%	0.967%
45	4.938	4.918	4.977	VV	2097	26740	0.50%	0.199%
46	4.988	4.977	5.020	VV	278	4250	0.08%	0.032%
47	5.072	5.020	5.099	VV	557	12371	0.23%	0.092%
48	5.114	5.099	5.143	VV	267	4722	0.09%	0.035%
49	5.166	5.143	5.208	VV	329	7912	0.15%	0.059%
50	5.249	5.208	5.265	VV	432	7449	0.14%	0.055%
51	5.286	5.265	5.308	VV	1051	15340	0.29%	0.114%
52	5.323	5.308	5.360	VV	3426	39438	0.74%	0.294%
53	5.379	5.360	5.412	VV	851	12753	0.24%	0.095%
54	5.461	5.412	5.514	VV	428	13444	0.25%	0.100%
55	5.528	5.514	5.543	VV	178	1653	0.03%	0.012%
56	5.573	5.543	5.598	VV	466	6826	0.13%	0.051%
57	5.621	5.598	5.645	VV	166	3149	0.06%	0.023%
58	5.671	5.645	5.695	VV	128	2180	0.04%	0.016%
59	5.806	5.695	5.817	VV	235	9193	0.17%	0.068%
60	5.835	5.817	5.864	VV	484	8967	0.17%	0.067%
61	5.879	5.864	5.901	VV	709	9504	0.18%	0.071%
62	5.921	5.901	5.955	VV	1623	19591	0.37%	0.146%
63	5.983	5.955	6.008	VV	461	8045	0.15%	0.060%
64	6.052	6.008	6.115	VV	754	16145	0.30%	0.120%
65	6.148	6.115	6.181	PV	153	2915	0.05%	0.022%
66	6.191	6.181	6.228	VV	147	2086	0.04%	0.016%
67	6.261	6.228	6.318	VV	5974	74305	1.38%	0.553%
68	6.342	6.318	6.364	VV	1372	16772	0.31%	0.125%
69	6.378	6.364	6.390	VV	923	9007	0.17%	0.067%
70	6.408	6.390	6.428	VV	2535	29026	0.54%	0.216%
71	6.441	6.428	6.464	VV	839	10272	0.19%	0.076%
72	6.480	6.464	6.521	VV	1280	15565	0.29%	0.116%
73	6.529	6.521	6.560	VV	118	2489	0.05%	0.019%
74	6.575	6.560	6.608	VV	182	3226	0.06%	0.024%
75	6.624	6.608	6.642	VV	319	3598	0.07%	0.027%
76	6.655	6.642	6.672	VV	142	1883	0.04%	0.014%
77	6.699	6.672	6.728	PV	1438	16558	0.31%	0.123%
78	6.752	6.728	6.784	VV	1953	32195	0.60%	0.240%
79	6.800	6.784	6.848	VV	1391	32804	0.61%	0.244%
80	6.877	6.848	6.944	VV	2476	37973	0.71%	0.283%
81	6.982	6.944	7.008	VV	517	9870	0.18%	0.073%
82	7.038	7.008	7.078	VV	5722	64301	1.20%	0.479%
83	7.099	7.078	7.131	VV	764	16351	0.30%	0.122%
84	7.146	7.131	7.159	VV	1115	11997	0.22%	0.089%
85	7.180	7.159	7.201	VV	1691	25390	0.47%	0.189%
86	7.214	7.201	7.224	VV	584	5915	0.11%	0.044%
87	7.241	7.224	7.255	VV	943	13334	0.25%	0.099%
88	7.269	7.255	7.291	VV	1339	15503	0.29%	0.115%
89	7.305	7.291	7.314	VV	206	1942	0.04%	0.014%

90	7.335	7.314	7.370	VV	310	6298	0.12%	0.047%
91	7.386	7.370	7.408	VV	213	3068	0.06%	0.023%
92	7.439	7.408	7.474	VV	2364	27425	0.51%	0.204%
93	7.521	7.474	7.563	VV	665	22651	0.42%	0.169%
94	7.585	7.563	7.628	VV	423	12794	0.24%	0.095%
95	7.634	7.628	7.684	VV	328	8660	0.16%	0.064%
96	7.699	7.684	7.721	VV	429	5721	0.11%	0.043%
97	7.743	7.721	7.784	VV	1483	19470	0.36%	0.145%
98	7.799	7.784	7.819	VV	1072	11965	0.22%	0.089%
99	7.837	7.819	7.888	VV	405	9981	0.19%	0.074%
100	7.899	7.888	7.937	VV	141	2482	0.05%	0.018%
101	7.956	7.937	7.971	PV	663	6796	0.13%	0.051%
102	7.991	7.971	8.008	VV	303	4240	0.08%	0.032%
103	8.047	8.008	8.121	VV	5958	80075	1.49%	0.596%
104	8.145	8.121	8.177	VV	964	22893	0.43%	0.170%
105	8.194	8.177	8.218	VV	855	12208	0.23%	0.091%
106	8.241	8.218	8.260	VV	833	10334	0.19%	0.077%
107	8.278	8.260	8.318	VV	1028	11892	0.22%	0.089%
108	8.342	8.318	8.482	PV	41946	696631	12.98%	5.186%
109	8.503	8.482	8.519	VV	1721	31584	0.59%	0.235%
110	8.536	8.519	8.567	VV	1357	34157	0.64%	0.254%
111	8.587	8.567	8.626	VV	1946	46001	0.86%	0.342%
112	8.646	8.626	8.674	VV	1154	17931	0.33%	0.133%
113	8.697	8.674	8.720	VV	730	13480	0.25%	0.100%
114	8.766	8.720	8.786	VV	5288	71375	1.33%	0.531%
115	8.801	8.786	8.854	VV	1893	51318	0.96%	0.382%
116	8.880	8.854	8.931	VV	4631	79990	1.49%	0.595%
117	8.953	8.931	8.978	VV	1424	19777	0.37%	0.147%
118	9.000	8.978	9.023	VV	884	12927	0.24%	0.096%
119	9.051	9.023	9.066	VV	461	7936	0.15%	0.059%
120	9.080	9.066	9.124	VV	596	13781	0.26%	0.103%
121	9.166	9.124	9.202	VV	980	26302	0.49%	0.196%
122	9.230	9.202	9.271	VV	2040	33335	0.62%	0.248%
123	9.301	9.271	9.321	VV	457	11153	0.21%	0.083%
124	9.327	9.321	9.349	VV	299	3836	0.07%	0.029%
125	9.371	9.349	9.403	VV	907	13510	0.25%	0.101%
126	9.424	9.403	9.497	VV	884	19329	0.36%	0.144%
127	9.514	9.497	9.530	VV	201	2878	0.05%	0.021%
128	9.565	9.530	9.598	VV	594	11996	0.22%	0.089%
129	9.645	9.598	9.693	VV	2489	43533	0.81%	0.324%
130	9.715	9.693	9.767	VV	664	21443	0.40%	0.160%
131	9.786	9.767	9.804	VV	410	7090	0.13%	0.053%
132	9.813	9.804	9.852	VV	388	5409	0.10%	0.040%
133	9.872	9.852	9.877	VV	179	1767	0.03%	0.013%
134	9.918	9.877	9.932	VV	461	9510	0.18%	0.071%
135	9.960	9.932	9.978	VV	838	15031	0.28%	0.112%
136	10.034	9.978	10.053	VV	959	26693	0.50%	0.199%
137	10.068	10.053	10.092	VV	861	15250	0.28%	0.114%
138	10.116	10.092	10.135	VV	629	13332	0.25%	0.099%
139	10.147	10.135	10.208	VV	582	14665	0.27%	0.109%
140	10.240	10.208	10.254	VV	852	15468	0.29%	0.115%
141	10.274	10.254	10.292	VV	879	15517	0.29%	0.116%

142	10.319	10.292	10.341	VV	1034	21308	0.40%	0.159%
143	10.385	10.341	10.414	VV	1217	35901	0.67%	0.267%
144	10.433	10.414	10.447	VV	906	14102	0.26%	0.105%
145	10.459	10.447	10.475	VV	869	12163	0.23%	0.091%
146	10.503	10.475	10.528	VV	2404	42455	0.79%	0.316%
147	10.550	10.528	10.581	VV	626	17201	0.32%	0.128%
148	10.594	10.581	10.621	VV	637	11724	0.22%	0.087%
149	10.632	10.621	10.641	VV	388	4325	0.08%	0.032%
150	10.662	10.641	10.678	VV	516	9594	0.18%	0.071%
151	10.695	10.678	10.724	VV	633	13348	0.25%	0.099%
152	10.742	10.724	10.754	VV	496	7430	0.14%	0.055%
153	10.801	10.754	10.821	VV	1283	27675	0.52%	0.206%
154	10.832	10.821	10.854	VV	521	7013	0.13%	0.052%
155	10.870	10.854	10.891	VV	358	6217	0.12%	0.046%
156	10.893	10.891	10.919	VV	372	3224	0.06%	0.024%
157	10.934	10.919	10.945	VV	183	2001	0.04%	0.015%
158	10.957	10.945	10.978	VV	166	2608	0.05%	0.019%
159	11.013	10.978	11.050	VV	1302	22515	0.42%	0.168%
160	11.081	11.050	11.114	VV	2897	43883	0.82%	0.327%
161	11.127	11.114	11.142	VV	470	7670	0.14%	0.057%
162	11.150	11.142	11.214	VV	472	13743	0.26%	0.102%
163	11.234	11.214	11.264	VV	361	5142	0.10%	0.038%
164	11.296	11.264	11.341	VV	260	6166	0.11%	0.046%
165	11.401	11.341	11.421	PV	547	16282	0.30%	0.121%
166	11.437	11.421	11.447	VV	568	7687	0.14%	0.057%
167	11.466	11.447	11.517	VV	876	20184	0.38%	0.150%
168	11.548	11.517	11.578	VV	974	18901	0.35%	0.141%
169	11.604	11.578	11.617	VV	196	3665	0.07%	0.027%
170	11.677	11.617	11.688	VV	480	13735	0.26%	0.102%
171	11.734	11.688	11.773	VV	1339	46053	0.86%	0.343%
172	11.789	11.773	11.824	VV	700	16696	0.31%	0.124%
173	11.834	11.824	11.858	VV	553	8995	0.17%	0.067%
174	11.881	11.858	11.892	VV	740	11198	0.21%	0.083%
175	11.899	11.892	11.921	VV	651	9163	0.17%	0.068%
176	11.960	11.921	11.998	VV	1709	43107	0.80%	0.321%
177	12.023	11.998	12.044	VV	592	13594	0.25%	0.101%
178	12.056	12.044	12.098	VV	570	11588	0.22%	0.086%
179	12.155	12.098	12.175	VV	767	20890	0.39%	0.156%
180	12.247	12.175	12.281	VV	3055	68566	1.28%	0.510%
181	12.291	12.281	12.296	VV	196	1701	0.03%	0.013%
182	12.324	12.296	12.354	VV	1875	26531	0.49%	0.197%
183	12.384	12.354	12.441	VV	4080	59312	1.11%	0.442%
184	12.448	12.441	12.473	VV	418	5240	0.10%	0.039%
185	12.502	12.473	12.511	VV	212	3744	0.07%	0.028%
186	12.518	12.511	12.564	VV	246	3251	0.06%	0.024%
187	12.580	12.564	12.611	VV	105	1291	0.02%	0.010%
188	12.658	12.611	12.689	PV	430	12160	0.23%	0.091%
189	12.703	12.689	12.724	VV	315	4296	0.08%	0.032%
190	12.748	12.724	12.768	VV	353	6505	0.12%	0.048%
191	12.827	12.768	12.948	VV	419454	5365053	100.00%	39.938%
192	12.953	12.948	12.969	VV	823	9808	0.18%	0.073%
193	12.989	12.969	13.031	VV	1004	29549	0.55%	0.220%
194	13.054	13.031	13.090	VV	998	26938	0.50%	0.201%

195	13.104	13.090	13.168	VV	585	22645	0.42%	0.169%
196	13.204	13.168	13.228	VV	770	22088	0.41%	0.164%
197	13.280	13.228	13.302	VV	966	32387	0.60%	0.241%
198	13.328	13.302	13.361	VV	431	12089	0.23%	0.090%
199	13.375	13.361	13.399	VV	489	8762	0.16%	0.065%
200	13.435	13.399	13.474	VV	603	21460	0.40%	0.160%
201	13.528	13.474	13.554	VV	1719	36832	0.69%	0.274%
202	13.580	13.554	13.663	VV	3836	66813	1.25%	0.497%
203	13.677	13.663	13.697	VV	198	3041	0.06%	0.023%
204	13.713	13.697	13.742	VV	207	2833	0.05%	0.021%
205	13.751	13.742	13.764	VV	63	475	0.01%	0.004%
206	13.805	13.764	13.874	PV	325	12625	0.24%	0.094%
207	13.879	13.874	13.894	VV	234	2075	0.04%	0.015%
208	13.912	13.894	13.932	VV	277	4300	0.08%	0.032%
209	13.946	13.932	13.958	VV	184	2313	0.04%	0.017%
210	14.019	13.958	14.116	VV	2044	57832	1.08%	0.431%
211	14.138	14.116	14.177	VV	655	14724	0.27%	0.110%
212	14.288	14.177	14.305	VV	553	31669	0.59%	0.236%
213	14.316	14.305	14.341	VV	455	8436	0.16%	0.063%
214	14.344	14.341	14.374	VV	423	6466	0.12%	0.048%
215	14.394	14.374	14.410	VV	521	8473	0.16%	0.063%
216	14.451	14.410	14.476	VV	641	20588	0.38%	0.153%
217	14.488	14.476	14.518	VV	703	11628	0.22%	0.087%
218	14.534	14.518	14.597	VV	333	12763	0.24%	0.095%
219	14.636	14.597	14.658	VV	1448	26718	0.50%	0.199%
220	14.680	14.658	14.777	VV	3605	67695	1.26%	0.504%
221	14.791	14.777	14.817	VV	189	2096	0.04%	0.016%
222	14.854	14.817	14.898	PV	329	9002	0.17%	0.067%
223	14.912	14.898	14.974	VV	216	6131	0.11%	0.046%
224	14.997	14.974	15.021	VV	147	2679	0.05%	0.020%
225	15.076	15.021	15.088	VV	210	5674	0.11%	0.042%
226	15.105	15.088	15.148	VV	362	8862	0.17%	0.066%
227	15.202	15.148	15.261	VV	689	23749	0.44%	0.177%
228	15.265	15.261	15.303	VV	240	4531	0.08%	0.034%
229	15.330	15.303	15.363	VV	345	9752	0.18%	0.073%
230	15.388	15.363	15.474	VV	397	19171	0.36%	0.143%
231	15.515	15.474	15.524	VV	508	11772	0.22%	0.088%
232	15.554	15.524	15.625	VV	582	21808	0.41%	0.162%
233	15.661	15.625	15.675	VV	1158	18590	0.35%	0.138%
234	15.699	15.675	15.734	VV	3091	52753	0.98%	0.393%
235	15.744	15.734	15.815	VV	595	13152	0.25%	0.098%
236	15.825	15.815	15.849	PV	105	1679	0.03%	0.013%
237	15.867	15.849	15.888	VV	290	4345	0.08%	0.032%
238	15.899	15.888	15.930	VV	280	3899	0.07%	0.029%
239	15.939	15.930	15.970	VV	137	1692	0.03%	0.013%
240	15.991	15.970	16.031	PV	223	4460	0.08%	0.033%
241	16.047	16.031	16.067	VV	228	3038	0.06%	0.023%
242	16.077	16.067	16.107	VV	170	2261	0.04%	0.017%
243	16.116	16.107	16.120	VV	123	645	0.01%	0.005%
244	16.135	16.120	16.155	VV	177	2719	0.05%	0.020%
245	16.181	16.155	16.214	VV	722	14242	0.27%	0.106%
246	16.225	16.214	16.271	VV	228	6761	0.13%	0.050%

247	16.292	16.271	16.308	VV	213	3786	0.07%	0.028%
248	16.395	16.308	16.404	VV	428	15725	0.29%	0.117%
249	16.424	16.404	16.458	VV	269	7477	0.14%	0.056%
250	16.482	16.458	16.508	VV	418	9157	0.17%	0.068%
251	16.539	16.508	16.548	VV	389	7890	0.15%	0.059%
252	16.567	16.548	16.585	VV	463	8040	0.15%	0.060%
253	16.613	16.585	16.624	VV	1142	17290	0.32%	0.129%
254	16.646	16.624	16.737	VV	3051	61096	1.14%	0.455%
255	16.761	16.737	16.784	VV	332	7147	0.13%	0.053%
256	16.804	16.784	16.831	VV	289	5931	0.11%	0.044%
257	16.843	16.831	16.884	VV	277	5722	0.11%	0.043%
258	16.910	16.884	16.919	VV	235	4102	0.08%	0.031%
259	16.937	16.919	16.997	VV	270	10387	0.19%	0.077%
260	17.033	16.997	17.053	VV	434	9324	0.17%	0.069%
261	17.097	17.053	17.141	VV	1915	37607	0.70%	0.280%
262	17.150	17.141	17.158	VV	334	3174	0.06%	0.024%
263	17.166	17.158	17.174	VV	383	3246	0.06%	0.024%
264	17.202	17.174	17.261	VV	444	17757	0.33%	0.132%
265	17.276	17.261	17.324	VV	366	10766	0.20%	0.080%
266	17.333	17.324	17.364	VV	321	7065	0.13%	0.053%
267	17.377	17.364	17.397	VV	315	4725	0.09%	0.035%
268	17.407	17.397	17.455	VV	305	7211	0.13%	0.054%
269	17.532	17.455	17.591	VV	3439	81026	1.51%	0.603%
270	17.605	17.591	17.624	VV	243	4189	0.08%	0.031%
271	17.652	17.624	17.731	VV	431	17447	0.33%	0.130%
272	17.737	17.731	17.780	VV	107	1877	0.03%	0.014%
273	17.818	17.780	17.884	PV	288	7938	0.15%	0.059%
274	17.954	17.884	17.988	VV	2457	41806	0.78%	0.311%
275	18.009	17.988	18.030	VV	412	6505	0.12%	0.048%
276	18.048	18.030	18.060	VV	228	2913	0.05%	0.022%
277	18.084	18.060	18.184	VV	295	11728	0.22%	0.087%
278	18.227	18.184	18.271	VV	425	13452	0.25%	0.100%
279	18.281	18.271	18.304	VV	178	3233	0.06%	0.024%
280	18.364	18.304	18.424	VV	3407	75954	1.42%	0.565%
281	18.434	18.424	18.467	VV	296	6191	0.12%	0.046%
282	18.486	18.467	18.505	VV	397	6510	0.12%	0.048%
283	18.529	18.505	18.544	VV	289	5444	0.10%	0.041%
284	18.555	18.544	18.578	VV	207	3332	0.06%	0.025%
285	18.615	18.578	18.654	VV	278	6953	0.13%	0.052%
286	18.688	18.654	18.713	VV	175	4004	0.07%	0.030%
287	18.761	18.713	18.824	PV	1935	36771	0.69%	0.274%
288	18.838	18.824	18.859	VV	225	3407	0.06%	0.025%
289	18.892	18.859	18.908	VV	222	4807	0.09%	0.036%
290	18.943	18.908	18.981	VV	472	13249	0.25%	0.099%
291	19.007	18.981	19.033	VV	375	9331	0.17%	0.069%
292	19.064	19.033	19.078	VV	362	8264	0.15%	0.062%
293	19.144	19.078	19.218	VV	2901	79857	1.49%	0.594%
294	19.242	19.218	19.274	VV	468	12248	0.23%	0.091%
295	19.386	19.274	19.424	VV	752	48100	0.90%	0.358%
296	19.432	19.424	19.448	VV	594	7680	0.14%	0.057%
297	19.461	19.448	19.483	VV	628	10795	0.20%	0.080%
298	19.521	19.483	19.561	VV	1572	38571	0.72%	0.287%
299	19.704	19.561	19.739	VV	1131	78745	1.47%	0.586%

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300	19.781	19.739	19.812	VV	1715	52914	0.99%	0.394%
301	19.883	19.812	19.918	VV	2807	96747	1.80%	0.720%
302	19.948	19.918	20.004	VV	1479	68351	1.27%	0.509%
303	20.031	20.004	20.039	VV	1416	27957	0.52%	0.208%
304	20.174	20.039	20.184	VV	1711	131470	2.45%	0.979%
305	20.243	20.184	20.301	VV	2286	126760	2.36%	0.944%
306	20.412	20.301	20.471	VV	3183	229608	4.28%	1.709%
307	20.480	20.471	20.488	VV	2159	21494	0.40%	0.160%
308	20.595	20.488	20.632	VV	3493	220546	4.11%	1.642%
309	20.744	20.632	20.796	VV	3438	298304	5.56%	2.221%
310	20.818	20.796	20.901	VV	3052	171745	3.20%	1.278%
311	20.908	20.901	20.967	VV	2469	89212	1.66%	0.664%
312	20.994	20.967	21.054	VV	2113	100126	1.87%	0.745%
313	21.062	21.054	21.081	VV	1757	27102	0.51%	0.202%
314	21.117	21.081	21.142	VV	3274	65851	1.23%	0.490%
315	21.207	21.142	21.261	VV	1744	120836	2.25%	0.900%
316	21.275	21.261	21.308	VV	1666	44085	0.82%	0.328%
317	21.313	21.308	21.358	VV	1507	40489	0.75%	0.301%
318	21.375	21.358	21.386	VV	1346	22323	0.42%	0.166%
319	21.440	21.386	21.479	VV	1772	80768	1.51%	0.601%
320	21.515	21.479	21.581	VV	1307	70896	1.32%	0.528%
321	21.635	21.581	21.661	VV	1073	48407	0.90%	0.360%
322	21.672	21.661	21.681	VV	1003	11509	0.21%	0.086%
323	21.699	21.681	21.746	VV	1021	34380	0.64%	0.256%
324	21.769	21.746	21.795	VV	795	21294	0.40%	0.159%
325	21.803	21.795	21.868	VV	656	24726	0.46%	0.184%
326	21.890	21.868	21.908	VV	569	12282	0.23%	0.091%
327	21.948	21.908	22.001	VV	529	22586	0.42%	0.168%
328	22.009	22.001	22.022	VV	320	3630	0.07%	0.027%
329	22.048	22.022	22.061	VV	339	5507	0.10%	0.041%
330	22.077	22.061	22.131	VV	286	7964	0.15%	0.059%
331	22.143	22.131	22.169	VV	214	2155	0.04%	0.016%

Sum of corrected areas: 13433439

Aliphatic EPH 032625.M Sat Mar 29 02:54:08 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015583.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.61	J	0.13	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.75	J	0.24	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.45		0.42	1.75	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.25	U	1.25	2.79	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.7		40 - 140	97%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-13	Acq On:	28 Mar 2025 21:23
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP\AJ
Data file:	FG015583.D	Misc:	
Instrument:	FID_G	ALS Vial:	81
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1162573	8.676	200	ug/ml
Aromatic C12-C16	6.330	9.039	1467138	10.697	300	ug/ml
Aromatic C16-C21	9.040	13.371	4885475	35.044	500	ug/ml
Aromatic C21-C36	13.372	18.837	1899009	14.586	800	ug/ml
Aromatic EPH	4.449	18.837	9414195	69.003		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4161705	28.54		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	5952853	48.73		ug/ml
2-Flurobiphenyl (SURR)	8.842	8.842	3417363	41.34		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015583.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 21:23
Operator : YP\AJ
Sample : Q1664-13
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Mar 29 03:15:38 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...	7.964	5952853	48.732 ug/ml
Spiked Amount 50.000		Recovery =	97.46%
6) S 2-Flurobiphenyl (SURR)	8.842	3417363	41.344 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	82.69%
11) S ortho-Terphenyl (SURR)	11.914	4161705	28.538 ug/ml
Spiked Amount 50.000		Recovery =	57.08%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

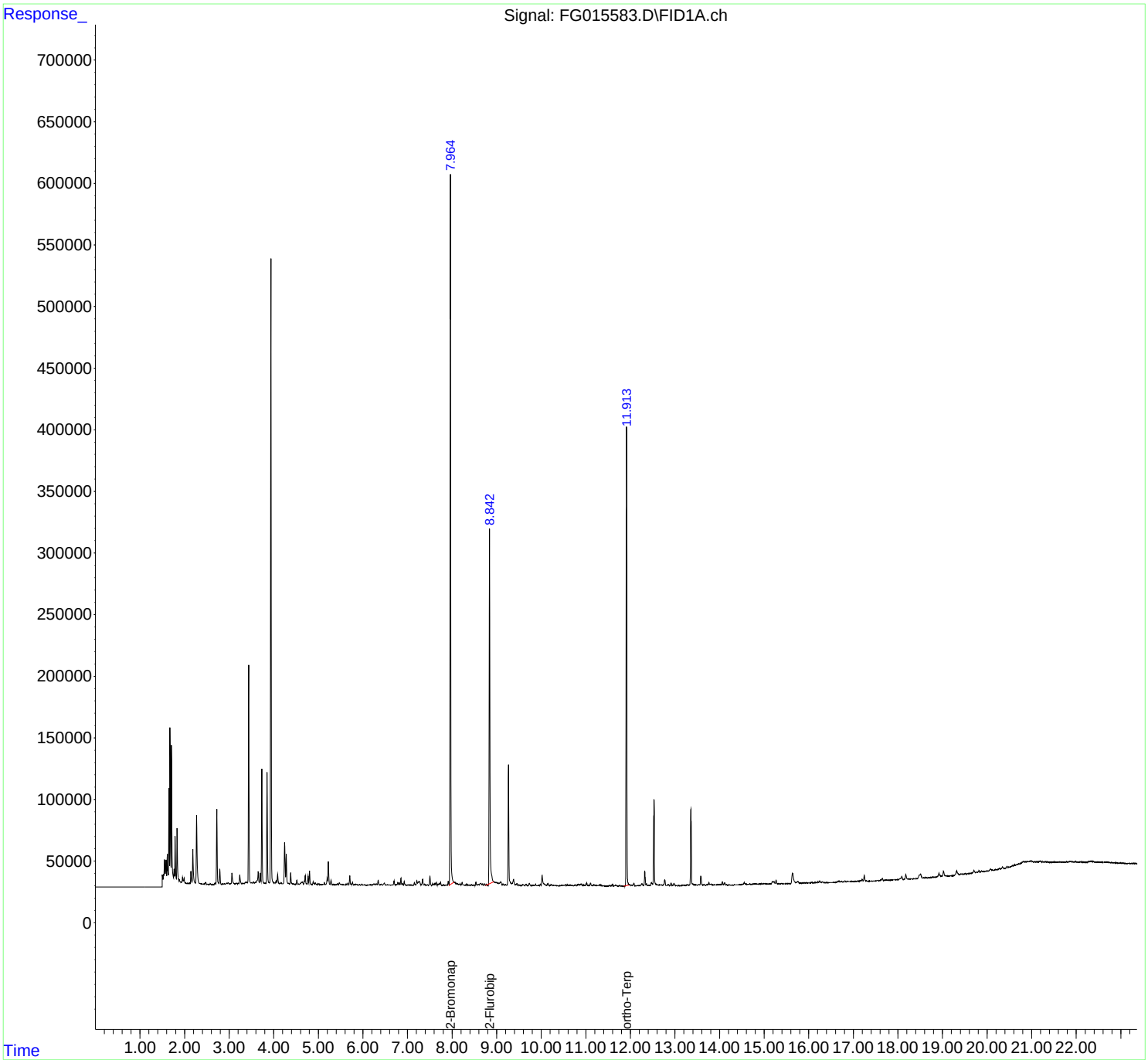
Quantitation Report (QT Reviewed)

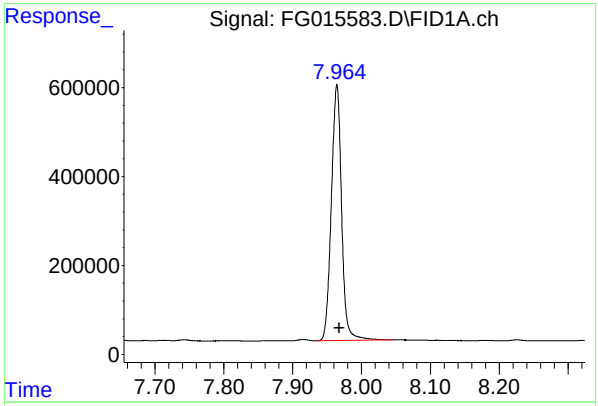
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015583.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 21:23
Operator : YP\AJ
Sample : Q1664-13
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Mar 29 03:15:38 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

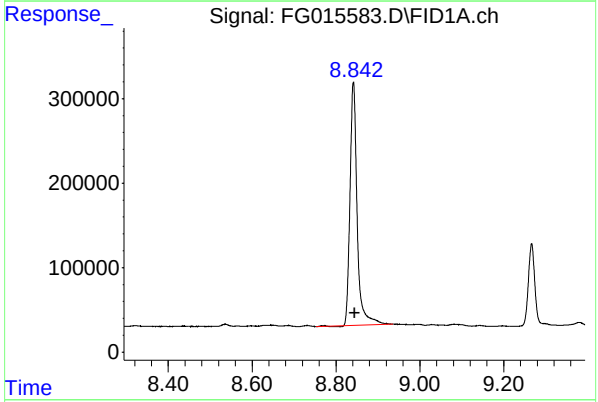




#4 2-Bromonaphthalene (SURR)

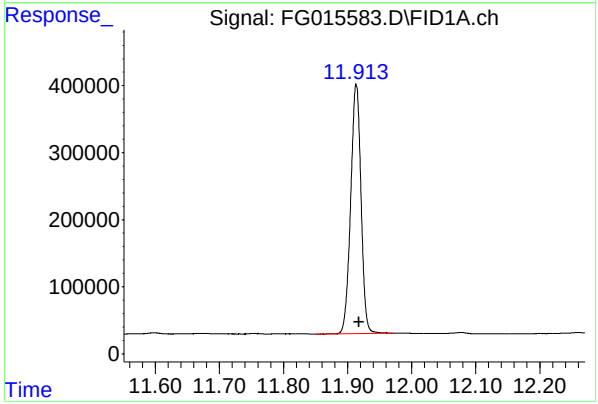
R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 5952853
Conc: 48.73 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-004-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 3417363
Conc: 41.34 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.004 min
Response: 4161705
Conc: 28.54 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015583.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 21:23
Sample : Q1664-13
Misc :
ALS Vial : 81 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	4.324	4.320	4.359	PV	117	1181	0.02%	0.005%
2	4.381	4.359	4.450	PV	9180	97539	1.59%	0.415%
3	4.457	4.450	4.486	VV	333	3655	0.06%	0.016%
4	4.518	4.486	4.543	PV	3590	39091	0.64%	0.166%
5	4.554	4.543	4.572	VV	350	3250	0.05%	0.014%
6	4.595	4.572	4.604	VV	786	9292	0.15%	0.040%
7	4.620	4.604	4.631	VV	1984	25065	0.41%	0.107%
8	4.645	4.631	4.670	VV	2217	32168	0.52%	0.137%
9	4.707	4.670	4.731	VV	7391	110479	1.80%	0.470%
10	4.745	4.731	4.752	VV	685	7362	0.12%	0.031%
11	4.770	4.752	4.786	VV	6728	72157	1.18%	0.307%
12	4.804	4.786	4.852	VV	11155	123291	2.01%	0.524%
13	4.885	4.852	4.902	VV	2383	28718	0.47%	0.122%
14	4.907	4.902	4.919	VV	827	7622	0.12%	0.032%
15	4.932	4.919	4.961	VV	1441	19074	0.31%	0.081%
16	4.978	4.961	4.997	VV	447	6149	0.10%	0.026%
17	5.015	4.997	5.051	VV	873	10854	0.18%	0.046%
18	5.068	5.051	5.088	VV	227	2790	0.05%	0.012%
19	5.104	5.088	5.116	VV	228	2621	0.04%	0.011%
20	5.137	5.116	5.165	VV	1042	16880	0.28%	0.072%
21	5.199	5.165	5.207	VV	4655	50144	0.82%	0.213%
22	5.224	5.207	5.261	VV	18843	240610	3.92%	1.023%
23	5.286	5.261	5.327	VV	3846	47724	0.78%	0.203%
24	5.342	5.327	5.387	VV	396	6355	0.10%	0.027%
25	5.398	5.387	5.410	PV	188	1840	0.03%	0.008%
26	5.433	5.410	5.451	VV	1107	13165	0.21%	0.056%
27	5.472	5.451	5.507	VV	1715	28070	0.46%	0.119%
28	5.528	5.507	5.598	VV	462	12994	0.21%	0.055%
29	5.626	5.606	5.643	VV	634	7631	0.12%	0.032%
30	5.664	5.643	5.687	VV	1581	20834	0.34%	0.089%
31	5.707	5.687	5.730	VV	7567	82408	1.34%	0.350%
32	5.738	5.730	5.752	VV	684	8068	0.13%	0.034%
33	5.768	5.752	5.796	VV	2092	24415	0.40%	0.104%
34	5.809	5.796	5.823	VV	340	4797	0.08%	0.020%
35	5.837	5.823	5.846	VV	781	8385	0.14%	0.036%
36	5.856	5.846	5.896	VV	676	9331	0.15%	0.040%

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37	5.926	5.896	5.950	PV	556	7289	0.12%	0.031%
38	5.976	5.950	6.003	VV	868	10288	0.17%	0.044%
39	6.039	6.018	6.073	VV	297	4784	0.08%	0.020%
40	6.184	6.107	6.204	VV	269	7712	0.13%	0.033%
41	6.244	6.204	6.280	VV	978	25166	0.41%	0.107%
42	6.299	6.280	6.322	VV	1402	20045	0.33%	0.085%
43	6.343	6.322	6.374	VV	4050	49371	0.80%	0.210%
44	6.382	6.374	6.391	VV	377	3447	0.06%	0.015%
45	6.411	6.391	6.439	VV	813	14381	0.23%	0.061%
46	6.482	6.439	6.522	VV	1693	36947	0.60%	0.157%
47	6.543	6.522	6.578	VV	405	9320	0.15%	0.040%
48	6.590	6.578	6.626	VV	307	6438	0.10%	0.027%
49	6.630	6.626	6.645	VV	243	2259	0.04%	0.010%
50	6.661	6.645	6.676	VV	341	4536	0.07%	0.019%
51	6.699	6.676	6.729	VV	3620	45917	0.75%	0.195%
52	6.741	6.729	6.751	VV	544	5785	0.09%	0.025%
53	6.757	6.751	6.765	VV	484	3662	0.06%	0.016%
54	6.786	6.765	6.805	VV	2508	31475	0.51%	0.134%
55	6.822	6.805	6.836	VV	1989	22552	0.37%	0.096%
56	6.854	6.836	6.874	VV	5792	65724	1.07%	0.279%
57	6.888	6.874	6.909	VV	1750	19342	0.32%	0.082%
58	6.929	6.909	6.951	VV	3338	35700	0.58%	0.152%
59	6.955	6.951	6.968	VV	415	3341	0.05%	0.014%
60	6.972	6.968	6.977	VV	262	1343	0.02%	0.006%
61	6.980	6.977	6.997	VV	292	2509	0.04%	0.011%
62	7.030	6.997	7.057	VV	460	9496	0.15%	0.040%
63	7.082	7.057	7.099	VV	507	7788	0.13%	0.033%
64	7.108	7.099	7.129	VV	295	3240	0.05%	0.014%
65	7.156	7.129	7.186	PV	2396	29742	0.48%	0.126%
66	7.211	7.186	7.227	VV	3950	53543	0.87%	0.228%
67	7.257	7.227	7.267	VV	3444	62212	1.01%	0.265%
68	7.276	7.267	7.307	VV	3055	40660	0.66%	0.173%
69	7.340	7.307	7.367	VV	5113	69543	1.13%	0.296%
70	7.387	7.367	7.406	VV	925	13610	0.22%	0.058%
71	7.411	7.406	7.427	VV	357	3978	0.06%	0.017%
72	7.447	7.427	7.468	VV	800	11596	0.19%	0.049%
73	7.505	7.468	7.539	VV	7664	89378	1.46%	0.380%
74	7.567	7.539	7.601	VV	1491	27731	0.45%	0.118%
75	7.616	7.601	7.630	VV	1978	21865	0.36%	0.093%
76	7.648	7.630	7.671	VV	2301	31686	0.52%	0.135%
77	7.686	7.671	7.698	VV	1015	12227	0.20%	0.052%
78	7.713	7.698	7.727	VV	1576	19065	0.31%	0.081%
79	7.743	7.727	7.774	VV	2744	32931	0.54%	0.140%
80	7.811	7.774	7.844	VV	527	10556	0.17%	0.045%
81	7.859	7.844	7.873	VV	343	4533	0.07%	0.019%
82	7.886	7.873	7.896	VV	526	5461	0.09%	0.023%
83	7.916	7.896	7.934	VV	3505	39629	0.65%	0.169%
84	7.964	7.934	8.106	VV	576745	6135190	100.00%	26.089%
85	8.110	8.106	8.166	VV	1723	41679	0.68%	0.177%
86	8.181	8.166	8.207	VV	1442	24051	0.39%	0.102%
87	8.226	8.207	8.246	VV	2789	34707	0.57%	0.148%
88	8.256	8.246	8.276	VV	553	9030	0.15%	0.038%
89	8.283	8.276	8.299	VV	546	6664	0.11%	0.028%

90	8.322	8.299	8.349	VV	1223	21467	0.35%	0.091%
91	8.354	8.349	8.381	VV	463	6700	0.11%	0.028%
92	8.388	8.381	8.401	VV	415	3925	0.06%	0.017%
93	8.438	8.401	8.464	VV	701	16994	0.28%	0.072%
94	8.482	8.464	8.490	VV	431	5286	0.09%	0.022%
95	8.536	8.490	8.557	VV	2977	44334	0.72%	0.189%
96	8.564	8.557	8.580	VV	808	9443	0.15%	0.040%
97	8.598	8.580	8.613	VV	1104	16248	0.26%	0.069%
98	8.634	8.613	8.639	VV	1771	21472	0.35%	0.091%
99	8.648	8.639	8.669	VV	1888	25879	0.42%	0.110%
100	8.686	8.669	8.710	VV	1456	22458	0.37%	0.095%
101	8.731	8.710	8.756	VV	1462	20766	0.34%	0.088%
102	8.770	8.756	8.809	VV	1367	16260	0.27%	0.069%
103	8.842	8.809	8.941	VV	291146	3595788	58.61%	15.290%
104	8.945	8.941	8.978	VV	3068	61099	1.00%	0.260%
105	8.997	8.978	9.013	VV	2837	53762	0.88%	0.229%
106	9.028	9.013	9.044	VV	2673	40395	0.66%	0.172%
107	9.052	9.044	9.063	VV	2218	23879	0.39%	0.102%
108	9.082	9.063	9.124	VV	3063	78068	1.27%	0.332%
109	9.143	9.124	9.178	VV	1579	29985	0.49%	0.128%
110	9.197	9.178	9.224	VV	1235	21681	0.35%	0.092%
111	9.267	9.224	9.335	VV	98467	1133511	18.48%	4.820%
112	9.380	9.335	9.412	VV	5308	129212	2.11%	0.549%
113	9.422	9.412	9.436	VV	1246	15199	0.25%	0.065%
114	9.453	9.436	9.482	VV	1845	28714	0.47%	0.122%
115	9.502	9.482	9.530	VV	1030	16681	0.27%	0.071%
116	9.554	9.530	9.567	VV	504	7870	0.13%	0.033%
117	9.591	9.567	9.627	VV	1227	23663	0.39%	0.101%
118	9.649	9.627	9.661	VV	1071	12859	0.21%	0.055%
119	9.671	9.661	9.695	VV	1064	13395	0.22%	0.057%
120	9.733	9.695	9.777	VV	2100	40013	0.65%	0.170%
121	9.806	9.777	9.822	VV	574	10438	0.17%	0.044%
122	9.831	9.822	9.854	VV	476	6279	0.10%	0.027%
123	9.874	9.854	9.912	VV	1433	18351	0.30%	0.078%
124	9.940	9.917	9.959	VV	538	8009	0.13%	0.034%
125	9.982	9.959	9.999	VV	1487	18642	0.30%	0.079%
126	10.022	9.999	10.129	VV	8330	182478	2.97%	0.776%
127	10.149	10.129	10.201	VV	2148	36319	0.59%	0.154%
128	10.224	10.201	10.272	VV	1025	30076	0.49%	0.128%
129	10.277	10.272	10.287	VV	480	3828	0.06%	0.016%
130	10.294	10.287	10.306	VV	508	5027	0.08%	0.021%
131	10.320	10.306	10.344	VV	612	8071	0.13%	0.034%
132	10.355	10.344	10.367	VV	245	2423	0.04%	0.010%
133	10.370	10.367	10.387	VV	173	1522	0.02%	0.006%
134	10.426	10.387	10.442	VV	436	8185	0.13%	0.035%
135	10.470	10.442	10.486	VV	835	15327	0.25%	0.065%
136	10.498	10.486	10.507	VV	633	7202	0.12%	0.031%
137	10.545	10.507	10.562	VV	1155	23742	0.39%	0.101%
138	10.581	10.562	10.601	VV	1125	18596	0.30%	0.079%
139	10.631	10.601	10.649	VV	865	18275	0.30%	0.078%
140	10.668	10.649	10.694	VV	847	13520	0.22%	0.057%
141	10.709	10.694	10.724	VV	350	4622	0.08%	0.020%

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142	10.754	10.724	10.764	VV	939	14566	0.24%	0.062%
143	10.776	10.764	10.804	VV	959	17126	0.28%	0.073%
144	10.822	10.804	10.832	VV	1354	17822	0.29%	0.076%
145	10.835	10.832	10.869	VV	1296	24151	0.39%	0.103%
146	10.890	10.869	10.927	VV	1803	41166	0.67%	0.175%
147	10.945	10.927	10.963	VV	1044	16049	0.26%	0.068%
148	10.976	10.963	10.990	VV	789	10712	0.17%	0.046%
149	11.020	10.990	11.042	VV	2410	42045	0.69%	0.179%
150	11.051	11.042	11.069	VV	583	7517	0.12%	0.032%
151	11.106	11.069	11.158	VV	2518	51430	0.84%	0.219%
152	11.178	11.158	11.199	VV	1124	19851	0.32%	0.084%
153	11.212	11.199	11.247	VV	992	19569	0.32%	0.083%
154	11.259	11.247	11.275	VV	606	8871	0.14%	0.038%
155	11.291	11.275	11.297	VV	741	8269	0.13%	0.035%
156	11.316	11.297	11.334	VV	1313	20936	0.34%	0.089%
157	11.346	11.334	11.370	VV	867	11127	0.18%	0.047%
158	11.381	11.370	11.409	VV	349	6308	0.10%	0.027%
159	11.416	11.409	11.421	VV	222	1142	0.02%	0.005%
160	11.452	11.437	11.462	PV	177	1372	0.02%	0.006%
161	11.471	11.462	11.492	VV	195	1922	0.03%	0.008%
162	11.527	11.492	11.550	VV	748	10535	0.17%	0.045%
163	11.570	11.550	11.577	VV	475	4160	0.07%	0.018%
164	11.598	11.577	11.626	VV	1740	23671	0.39%	0.101%
165	11.643	11.626	11.654	VV	468	5216	0.09%	0.022%
166	11.675	11.654	11.736	VV	901	19068	0.31%	0.081%
167	11.754	11.736	11.775	PV	724	7972	0.13%	0.034%
168	11.789	11.775	11.810	PV	261	3384	0.06%	0.014%
169	11.821	11.810	11.860	VV	252	3028	0.05%	0.013%
170	11.914	11.860	11.974	PV	370899	4202429	68.50%	17.870%
171	11.987	11.974	12.014	VV	1377	25540	0.42%	0.109%
172	12.036	12.014	12.046	VV	770	13853	0.23%	0.059%
173	12.078	12.046	12.109	VV	2242	39810	0.65%	0.169%
174	12.117	12.109	12.137	VV	276	3391	0.06%	0.014%
175	12.153	12.137	12.163	VV	302	3914	0.06%	0.017%
176	12.169	12.163	12.176	VV	356	2464	0.04%	0.010%
177	12.198	12.176	12.210	VV	510	8060	0.13%	0.034%
178	12.260	12.210	12.294	VV	2034	53104	0.87%	0.226%
179	12.322	12.294	12.347	VV	12372	156542	2.55%	0.666%
180	12.360	12.347	12.387	VV	1837	26163	0.43%	0.111%
181	12.404	12.387	12.415	VV	571	7234	0.12%	0.031%
182	12.426	12.415	12.446	VV	558	7457	0.12%	0.032%
183	12.471	12.446	12.499	VV	2718	52293	0.85%	0.222%
184	12.530	12.499	12.614	VV	69546	948820	15.47%	4.035%
185	12.636	12.614	12.657	VV	884	20475	0.33%	0.087%
186	12.685	12.657	12.706	VV	1010	24866	0.41%	0.106%
187	12.710	12.706	12.714	VV	704	3102	0.05%	0.013%
188	12.719	12.714	12.730	VV	789	7053	0.11%	0.030%
189	12.771	12.730	12.821	VV	4934	88293	1.44%	0.375%
190	12.849	12.821	12.882	VV	1304	24278	0.40%	0.103%
191	12.912	12.882	12.934	VV	2295	32341	0.53%	0.138%
192	12.977	12.934	13.039	VV	2141	43205	0.70%	0.184%
193	13.050	13.039	13.077	VV	222	3707	0.06%	0.016%
194	13.082	13.077	13.096	VV	205	1057	0.02%	0.004%

195	13.174	13.130	13.179	VV	466	6858	0.11%	0.029%
196	13.202	13.179	13.224	VV	483	10598	0.17%	0.045%
197	13.234	13.224	13.251	VV	407	5483	0.09%	0.023%
198	13.276	13.251	13.322	VV	980	23187	0.38%	0.099%
199	13.357	13.322	13.432	VV	62091	807680	13.16%	3.434%
200	13.456	13.432	13.486	VV	690	18189	0.30%	0.077%
201	13.492	13.486	13.498	VV	470	3190	0.05%	0.014%
202	13.522	13.498	13.556	VV	870	22292	0.36%	0.095%
203	13.580	13.556	13.623	VV	7724	109774	1.79%	0.467%
204	13.647	13.623	13.687	VV	659	18009	0.29%	0.077%
205	13.759	13.687	13.782	VV	2559	54691	0.89%	0.233%
206	13.796	13.782	13.808	VV	1013	14072	0.23%	0.060%
207	13.815	13.808	13.843	VV	1013	13240	0.22%	0.056%
208	13.863	13.843	13.888	VV	433	9607	0.16%	0.041%
209	13.910	13.888	13.916	VV	496	6964	0.11%	0.030%
210	13.930	13.916	13.949	VV	623	9707	0.16%	0.041%
211	13.969	13.949	13.973	VV	560	6910	0.11%	0.029%
212	13.984	13.973	14.006	VV	655	9786	0.16%	0.042%
213	14.031	14.006	14.034	VV	521	7075	0.12%	0.030%
214	14.065	14.034	14.092	VV	2632	42336	0.69%	0.180%
215	14.115	14.092	14.158	VV	2010	32564	0.53%	0.138%
216	14.174	14.158	14.192	VV	292	3842	0.06%	0.016%
217	14.214	14.192	14.244	VV	385	7041	0.11%	0.030%
218	14.280	14.258	14.305	VV	142	2014	0.03%	0.009%
219	14.343	14.305	14.354	PV	309	5535	0.09%	0.024%
220	14.365	14.354	14.370	VV	313	2589	0.04%	0.011%
221	14.377	14.370	14.389	VV	305	3068	0.05%	0.013%
222	14.407	14.395	14.426	VV	266	3872	0.06%	0.016%
223	14.446	14.426	14.457	VV	426	4981	0.08%	0.021%
224	14.460	14.457	14.465	VV	316	1368	0.02%	0.006%
225	14.479	14.465	14.497	VV	355	5196	0.08%	0.022%
226	14.517	14.497	14.522	VV	565	6886	0.11%	0.029%
227	14.551	14.522	14.578	VV	1914	35816	0.58%	0.152%
228	14.583	14.578	14.593	VV	602	4810	0.08%	0.020%
229	14.603	14.593	14.627	VV	543	9559	0.16%	0.041%
230	14.642	14.627	14.662	VV	421	7805	0.13%	0.033%
231	14.678	14.662	14.703	VV	716	12088	0.20%	0.051%
232	14.781	14.703	14.792	VV	674	25950	0.42%	0.110%
233	14.806	14.792	14.846	VV	675	17883	0.29%	0.076%
234	14.850	14.846	14.861	VV	466	3637	0.06%	0.015%
235	14.888	14.861	14.910	VV	540	11650	0.19%	0.050%
236	14.939	14.910	14.957	VV	457	10158	0.17%	0.043%
237	14.998	14.957	15.010	VV	662	16181	0.26%	0.069%
238	15.031	15.010	15.044	VV	659	10636	0.17%	0.045%
239	15.059	15.044	15.066	VV	458	4887	0.08%	0.021%
240	15.067	15.066	15.081	VV	455	2527	0.04%	0.011%
241	15.091	15.081	15.097	VV	256	2301	0.04%	0.010%
242	15.114	15.097	15.135	VV	306	5527	0.09%	0.024%
243	15.195	15.135	15.205	VV	2115	47372	0.77%	0.201%
244	15.219	15.205	15.244	VV	2108	34847	0.57%	0.148%
245	15.266	15.244	15.316	VV	3251	51436	0.84%	0.219%
246	15.328	15.316	15.341	VV	282	2798	0.05%	0.012%

247	15.349	15.341	15.367	VV	151	1538	0.03%	0.007%
248	15.386	15.367	15.402	PV	408	5096	0.08%	0.022%
249	15.413	15.402	15.427	VV	214	2954	0.05%	0.013%
250	15.431	15.427	15.459	VV	167	2740	0.04%	0.012%
251	15.466	15.459	15.472	VV	160	1009	0.02%	0.004%
252	15.476	15.472	15.506	VV	212	2480	0.04%	0.011%
253	15.528	15.506	15.545	PV	189	2947	0.05%	0.013%
254	15.633	15.545	15.712	VV	8519	247469	4.03%	1.052%
255	15.758	15.712	15.784	VV	1880	50795	0.83%	0.216%
256	15.790	15.784	15.843	VV	583	14227	0.23%	0.060%
257	15.893	15.843	15.936	VV	457	18951	0.31%	0.081%
258	15.955	15.936	16.012	VV	519	14374	0.23%	0.061%
259	16.067	16.012	16.076	VV	530	12880	0.21%	0.055%
260	16.103	16.076	16.139	VV	521	15140	0.25%	0.064%
261	16.158	16.139	16.180	VV	478	9196	0.15%	0.039%
262	16.206	16.180	16.224	VV	973	15917	0.26%	0.068%
263	16.245	16.224	16.273	VV	1661	27562	0.45%	0.117%
264	16.306	16.273	16.364	VV	755	19634	0.32%	0.083%
265	16.380	16.364	16.411	VV	129	2275	0.04%	0.010%
266	16.440	16.411	16.449	PV	190	2542	0.04%	0.011%
267	16.458	16.449	16.492	VV	103	1782	0.03%	0.008%
268	16.562	16.492	16.573	VV	100	3177	0.05%	0.014%
269	16.663	16.573	16.712	PV	953	35422	0.58%	0.151%
270	16.731	16.712	16.774	VV	693	15514	0.25%	0.066%
271	16.811	16.774	16.841	VV	915	19363	0.32%	0.082%
272	16.871	16.841	16.919	VV	637	20360	0.33%	0.087%
273	16.951	16.919	16.986	VV	495	15065	0.25%	0.064%
274	16.992	16.986	17.005	VV	288	2710	0.04%	0.012%
275	17.028	17.005	17.047	VV	300	5717	0.09%	0.024%
276	17.088	17.047	17.103	VV	426	10058	0.16%	0.043%
277	17.124	17.103	17.133	VV	431	6673	0.11%	0.028%
278	17.164	17.133	17.179	VV	990	17789	0.29%	0.076%
279	17.197	17.179	17.218	VV	1926	28060	0.46%	0.119%
280	17.244	17.218	17.316	VV	4896	81328	1.33%	0.346%
281	17.321	17.316	17.369	VV	238	4298	0.07%	0.018%
282	17.387	17.369	17.409	VV	251	2986	0.05%	0.013%
283	17.531	17.474	17.567	PV	531	10521	0.17%	0.045%
284	17.647	17.567	17.694	VV	1842	42108	0.69%	0.179%
285	17.735	17.694	17.807	VV	408	12537	0.20%	0.053%
286	17.932	17.807	17.948	VV	244	14179	0.23%	0.060%
287	17.970	17.948	17.995	VV	198	3690	0.06%	0.016%
288	18.053	17.995	18.066	VV	1135	24132	0.39%	0.103%
289	18.086	18.066	18.137	VV	2544	44676	0.73%	0.190%
290	18.176	18.137	18.254	VV	3985	75849	1.24%	0.323%
291	18.263	18.254	18.293	VV	381	5282	0.09%	0.022%
292	18.314	18.293	18.339	VV	317	4988	0.08%	0.021%
293	18.361	18.339	18.386	PV	338	4101	0.07%	0.017%
294	18.406	18.386	18.429	VV	556	8138	0.13%	0.035%
295	18.508	18.429	18.587	PV	3677	137435	2.24%	0.584%
296	18.609	18.587	18.667	VV	552	13614	0.22%	0.058%
297	18.776	18.667	18.812	VV	374	13084	0.21%	0.056%
298	18.821	18.812	18.843	VV	157	1981	0.03%	0.008%
299	18.920	18.843	18.990	PV	3020	70383	1.15%	0.299%

rteres
Sum of corrected areas: 23516704

Aromatic EPH 031725.M Sat Mar 29 04:48:52 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-14	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 21:42	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.32	J	1	8.28	30.0	ug/l	FC068478.D
Aliphatic C12-C16	Aliphatic C12-C16	43.3		1	13.5	20.0	ug/l	FC068478.D
Aliphatic C16-C21	Aliphatic C16-C21	15.6	J	1	8.34	30.0	ug/l	FC068478.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068478.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068478.D
Aromatic C10-C12	Aromatic C10-C12	21.4		1	2.07	20.0	ug/l	FG015604.D
Aromatic C12-C16	Aromatic C12-C16	126		1	4.26	30.0	ug/l	FG015604.D
Aromatic C16-C21	Aromatic C16-C21	94.7		1	8.27	50.0	ug/l	FG015604.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015604.D
Total AliphaticEPH	Total AliphaticEPH	68.2	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	242			38.4	180	ug/l	
Total EPH	Total EPH	310	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-004-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-14		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068478.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.32	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	43.3		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	15.6	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.1		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-14	Acq On:	01 Apr 2025 21:42
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP/AJ
Data file:	FC068478.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	756480	4.66	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3643012	21.66	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1339663	7.811	300	ug/ml
Aliphatic C21-C28	13.097	16.749	934721	5.535	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2375261	17.443	600	ug/ml
Aliphatic EPH	3.097	21.544	9049137	57.109		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	7917913	53.11		ug/ml
Aliphatic C9-C28	3.097	16.749	6673876	39.666	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068478.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:42
Operator : YP/AJ
Sample : Q1664-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.827	7917913	53.114 ug/ml
Spiked Amount 50.000		Recovery = 106.23%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

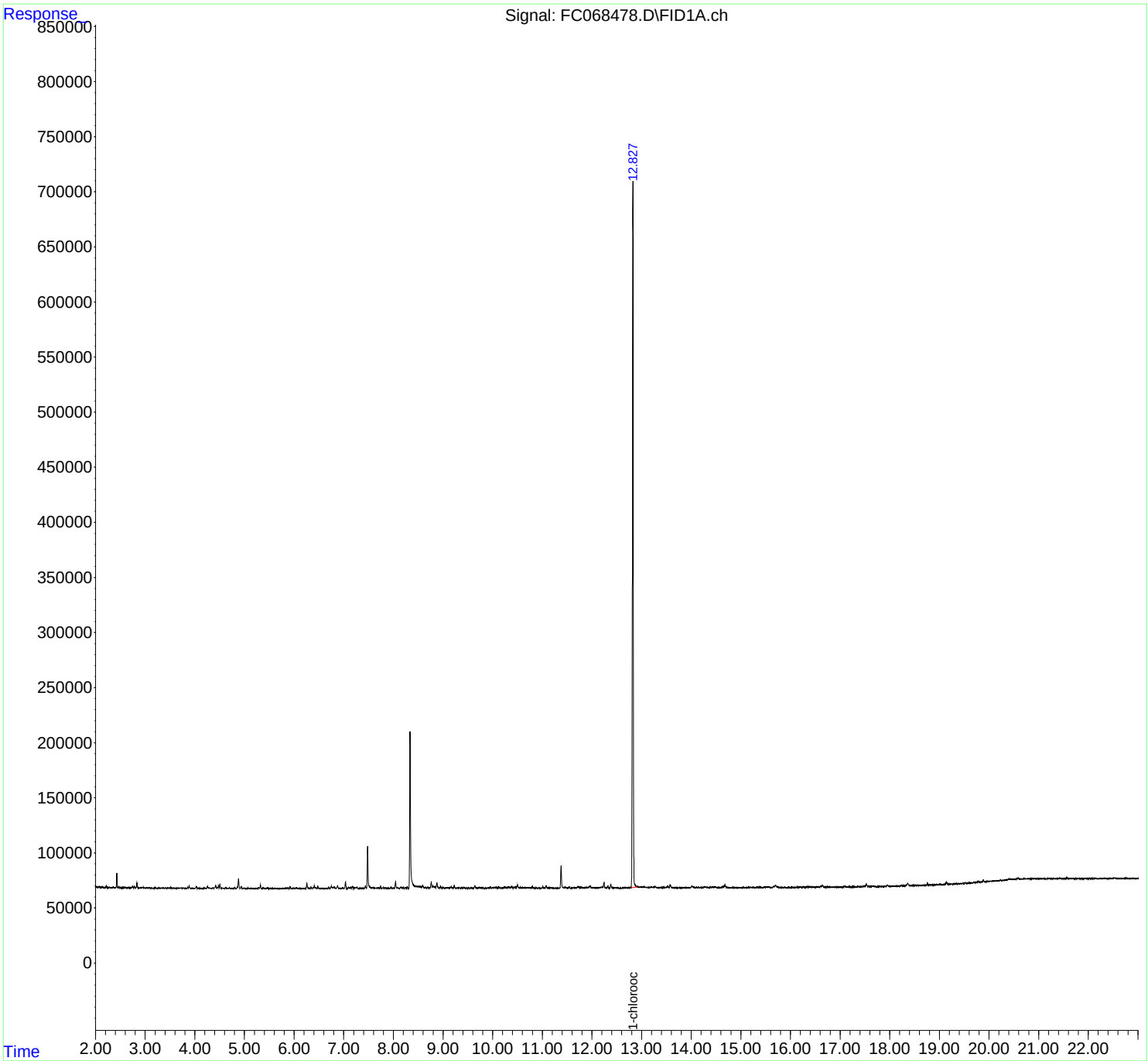
Quantitation Report (QT Reviewed)

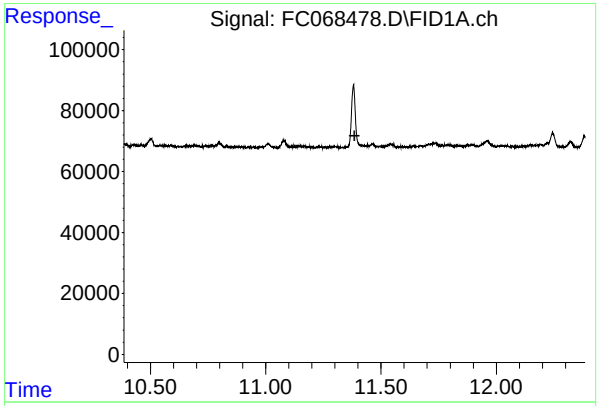
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068478.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:42
Operator : YP/AJ
Sample : Q1664-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

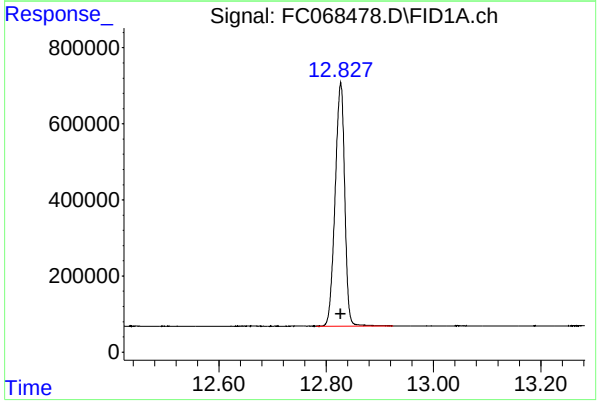




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-004-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 7917913
Conc: 53.11 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068478.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:42
Sample : Q1664-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.356	2.304	2.384	BV	1026	10055	0.13%	0.058%
2	2.428	2.384	2.451	PV	13344	102878	1.29%	0.589%
3	2.469	2.451	2.505	VV	723	10287	0.13%	0.059%
4	2.518	2.505	2.535	VV	140	1431	0.02%	0.008%
5	2.552	2.535	2.573	PV	303	3638	0.05%	0.021%
6	2.588	2.573	2.633	VV	483	5683	0.07%	0.033%
7	2.652	2.633	2.717	VV	423	8462	0.11%	0.048%
8	2.739	2.717	2.767	VV	1302	21129	0.26%	0.121%
9	2.784	2.767	2.814	VV	1705	17262	0.22%	0.099%
10	2.834	2.814	2.901	VV	4841	48749	0.61%	0.279%
11	2.912	2.901	2.941	VV	314	4931	0.06%	0.028%
12	2.956	2.941	2.994	VV	944	11498	0.14%	0.066%
13	3.012	2.994	3.042	VV	236	4980	0.06%	0.029%
14	3.051	3.042	3.075	VV	175	2472	0.03%	0.014%
15	3.089	3.075	3.104	VV	137	1807	0.02%	0.010%
16	3.109	3.104	3.131	VV	105	854	0.01%	0.005%
17	3.161	3.131	3.174	VV	169	1582	0.02%	0.009%
18	3.201	3.174	3.287	PV	839	12030	0.15%	0.069%
19	3.297	3.287	3.309	VV	176	1463	0.02%	0.008%
20	3.321	3.309	3.334	PV	56	615	0.01%	0.004%
21	3.354	3.334	3.387	VV	340	4285	0.05%	0.025%
22	3.400	3.387	3.412	VV	222	1671	0.02%	0.010%
23	3.472	3.412	3.484	VV	349	5248	0.07%	0.030%
24	3.493	3.484	3.503	VV	367	2841	0.04%	0.016%
25	3.518	3.503	3.550	VV	673	7510	0.09%	0.043%
26	3.565	3.550	3.584	VV	417	3946	0.05%	0.023%
27	3.606	3.584	3.646	VV	251	5792	0.07%	0.033%
28	3.692	3.646	3.748	VV	403	10488	0.13%	0.060%
29	3.765	3.748	3.814	VV	406	6246	0.08%	0.036%
30	3.858	3.814	3.870	PV	1016	10671	0.13%	0.061%
31	3.886	3.870	3.928	VV	2392	24649	0.31%	0.141%
32	3.951	3.928	3.969	VV	379	4802	0.06%	0.027%
33	4.031	3.969	4.104	PV	1857	30558	0.38%	0.175%
34	4.148	4.104	4.157	VV	145	2508	0.03%	0.014%
35	4.178	4.157	4.230	VV	243	5796	0.07%	0.033%
36	4.255	4.230	4.284	VV	1962	24314	0.30%	0.139%

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37	4.293	4.284	4.342	VV	454	7824	0.10%	0.045%
38	4.365	4.342	4.382	VV	721	8918	0.11%	0.051%
39	4.419	4.382	4.454	VV	2719	41418	0.52%	0.237%
40	4.475	4.454	4.491	VV	2482	27515	0.34%	0.158%
41	4.504	4.491	4.604	VV	3806	45539	0.57%	0.261%
42	4.619	4.604	4.657	VV	584	9129	0.11%	0.052%
43	4.692	4.657	4.758	VV	300	11104	0.14%	0.064%
44	4.771	4.758	4.784	VV	180	2234	0.03%	0.013%
45	4.803	4.784	4.828	VV	703	8995	0.11%	0.051%
46	4.880	4.828	4.911	VV	8783	118014	1.47%	0.676%
47	4.937	4.911	4.971	VV	2020	24539	0.31%	0.140%
48	4.986	4.971	5.022	VV	312	4930	0.06%	0.028%
49	5.071	5.022	5.097	PV	491	8958	0.11%	0.051%
50	5.110	5.097	5.134	VV	275	3326	0.04%	0.019%
51	5.150	5.134	5.233	VV	219	7998	0.10%	0.046%
52	5.247	5.233	5.264	VV	353	3376	0.04%	0.019%
53	5.283	5.264	5.304	VV	1093	14191	0.18%	0.081%
54	5.322	5.304	5.356	VV	3174	34497	0.43%	0.197%
55	5.378	5.356	5.423	VV	877	11792	0.15%	0.068%
56	5.457	5.423	5.492	VV	351	8742	0.11%	0.050%
57	5.527	5.492	5.542	VV	251	4192	0.05%	0.024%
58	5.571	5.542	5.601	VV	432	8068	0.10%	0.046%
59	5.627	5.601	5.671	VV	221	5458	0.07%	0.031%
60	5.686	5.671	5.705	VV	154	1891	0.02%	0.011%
61	5.733	5.705	5.761	PV	264	4351	0.05%	0.025%
62	5.831	5.761	5.858	VV	507	13390	0.17%	0.077%
63	5.877	5.858	5.898	VV	614	8568	0.11%	0.049%
64	5.919	5.898	5.960	VV	1501	19709	0.25%	0.113%
65	5.980	5.960	6.007	VV	549	7976	0.10%	0.046%
66	6.051	6.007	6.080	VV	859	17335	0.22%	0.099%
67	6.089	6.080	6.096	VV	210	1870	0.02%	0.011%
68	6.100	6.096	6.124	VV	211	2407	0.03%	0.014%
69	6.149	6.124	6.162	VV	241	3598	0.04%	0.021%
70	6.185	6.162	6.204	VV	219	3638	0.05%	0.021%
71	6.259	6.204	6.286	VV	4828	58835	0.74%	0.337%
72	6.295	6.286	6.321	VV	413	6765	0.08%	0.039%
73	6.340	6.321	6.360	VV	1550	17521	0.22%	0.100%
74	6.375	6.360	6.389	VV	895	9813	0.12%	0.056%
75	6.406	6.389	6.426	VV	2425	28406	0.35%	0.163%
76	6.440	6.426	6.461	VV	1000	10691	0.13%	0.061%
77	6.478	6.461	6.503	VV	1266	14954	0.19%	0.086%
78	6.520	6.503	6.548	VV	207	3435	0.04%	0.020%
79	6.569	6.548	6.601	VV	163	3496	0.04%	0.020%
80	6.624	6.601	6.641	VV	247	3562	0.04%	0.020%
81	6.654	6.641	6.674	VV	201	3015	0.04%	0.017%
82	6.697	6.674	6.726	VV	1426	16810	0.21%	0.096%
83	6.749	6.726	6.785	VV	2004	34647	0.43%	0.198%
84	6.800	6.785	6.844	VV	1421	31038	0.39%	0.178%
85	6.876	6.844	6.904	VV	2540	35414	0.44%	0.203%
86	6.910	6.904	6.941	VV	272	3643	0.05%	0.021%
87	6.979	6.941	7.003	VV	541	10937	0.14%	0.063%
88	7.036	7.003	7.069	VV	5957	66709	0.83%	0.382%
89	7.098	7.069	7.127	VV	792	17767	0.22%	0.102%

90	7.144	7.127	7.156	VV	1132	13212	0.17%	0.076%
91	7.177	7.156	7.199	VV	2062	28378	0.35%	0.162%
92	7.212	7.199	7.224	VV	520	7162	0.09%	0.041%
93	7.240	7.224	7.253	VV	1113	13501	0.17%	0.077%
94	7.268	7.253	7.300	VV	1395	18061	0.23%	0.103%
95	7.335	7.300	7.368	VV	362	9090	0.11%	0.052%
96	7.385	7.368	7.404	VV	349	4847	0.06%	0.028%
97	7.437	7.404	7.457	VV	2352	28463	0.36%	0.163%
98	7.482	7.457	7.570	VV	37868	452093	5.65%	2.588%
99	7.600	7.570	7.619	VV	653	16545	0.21%	0.095%
100	7.629	7.619	7.681	VV	482	13655	0.17%	0.078%
101	7.697	7.681	7.718	VV	506	7577	0.09%	0.043%
102	7.742	7.718	7.769	VV	1536	20082	0.25%	0.115%
103	7.797	7.769	7.817	VV	1170	15334	0.19%	0.088%
104	7.835	7.817	7.880	VV	549	13117	0.16%	0.075%
105	7.898	7.880	7.923	VV	284	5964	0.07%	0.034%
106	7.952	7.923	7.969	VV	807	11529	0.14%	0.066%
107	7.979	7.969	7.998	VV	316	4981	0.06%	0.029%
108	8.009	7.998	8.020	VV	369	4385	0.05%	0.025%
109	8.045	8.020	8.114	VV	5886	82038	1.03%	0.470%
110	8.154	8.114	8.177	VV	1052	25078	0.31%	0.144%
111	8.194	8.177	8.216	VV	897	13128	0.16%	0.075%
112	8.238	8.216	8.257	VV	786	11891	0.15%	0.068%
113	8.276	8.257	8.306	VV	1211	16024	0.20%	0.092%
114	8.337	8.306	8.481	VV	141647	1847767	23.09%	10.577%
115	8.502	8.481	8.519	VV	1990	38038	0.48%	0.218%
116	8.532	8.519	8.548	VV	1637	25472	0.32%	0.146%
117	8.554	8.548	8.565	VV	1459	13957	0.17%	0.080%
118	8.590	8.565	8.623	VV	2011	51814	0.65%	0.297%
119	8.643	8.623	8.669	VV	1352	21622	0.27%	0.124%
120	8.695	8.669	8.718	VV	1076	19258	0.24%	0.110%
121	8.764	8.718	8.784	VV	5734	81536	1.02%	0.467%
122	8.799	8.784	8.845	VV	2181	53191	0.66%	0.304%
123	8.878	8.845	8.929	VV	4982	92327	1.15%	0.529%
124	8.950	8.929	8.975	VV	1478	22088	0.28%	0.126%
125	8.999	8.975	9.028	VV	1037	17704	0.22%	0.101%
126	9.046	9.028	9.060	VV	444	7228	0.09%	0.041%
127	9.080	9.060	9.122	VV	735	18782	0.23%	0.108%
128	9.164	9.122	9.201	VV	1204	33013	0.41%	0.189%
129	9.227	9.201	9.270	VV	2283	38284	0.48%	0.219%
130	9.299	9.270	9.345	VV	555	16683	0.21%	0.096%
131	9.368	9.345	9.398	VV	995	15719	0.20%	0.090%
132	9.423	9.398	9.464	VV	987	19409	0.24%	0.111%
133	9.477	9.464	9.504	VV	376	5796	0.07%	0.033%
134	9.515	9.504	9.538	VV	268	3379	0.04%	0.019%
135	9.561	9.538	9.587	VV	517	8995	0.11%	0.051%
136	9.599	9.587	9.617	VV	317	4251	0.05%	0.024%
137	9.641	9.617	9.689	VV	2169	34554	0.43%	0.198%
138	9.715	9.689	9.758	VV	794	21673	0.27%	0.124%
139	9.785	9.758	9.801	VV	581	11316	0.14%	0.065%
140	9.810	9.801	9.844	VV	433	5888	0.07%	0.034%
141	9.856	9.844	9.868	VV	158	1509	0.02%	0.009%

142	9.915	9.868	9.931	VV	569	11829	0.15%	0.068%
143	9.958	9.931	9.979	VV	998	18699	0.23%	0.107%
144	10.032	9.979	10.047	VV	1058	26735	0.33%	0.153%
145	10.068	10.047	10.089	VV	1008	18981	0.24%	0.109%
146	10.118	10.089	10.135	VV	772	17552	0.22%	0.100%
147	10.145	10.135	10.166	VV	630	8684	0.11%	0.050%
148	10.195	10.166	10.210	VV	428	9321	0.12%	0.053%
149	10.238	10.210	10.250	VV	1178	18377	0.23%	0.105%
150	10.270	10.250	10.292	VV	1014	19639	0.25%	0.112%
151	10.316	10.292	10.338	VV	1210	24113	0.30%	0.138%
152	10.384	10.338	10.411	VV	1254	40133	0.50%	0.230%
153	10.429	10.411	10.445	VV	1094	16251	0.20%	0.093%
154	10.460	10.445	10.473	VV	970	13726	0.17%	0.079%
155	10.502	10.473	10.528	VV	2901	51254	0.64%	0.293%
156	10.542	10.528	10.581	VV	741	21201	0.26%	0.121%
157	10.591	10.581	10.613	VV	753	11089	0.14%	0.063%
158	10.625	10.613	10.639	VV	391	6019	0.08%	0.034%
159	10.661	10.639	10.672	VV	603	9930	0.12%	0.057%
160	10.693	10.672	10.721	VV	717	17535	0.22%	0.100%
161	10.741	10.721	10.752	VV	665	9784	0.12%	0.056%
162	10.797	10.752	10.821	VV	1639	33618	0.42%	0.192%
163	10.831	10.821	10.852	VV	469	6305	0.08%	0.036%
164	10.886	10.852	10.915	VV	288	8104	0.10%	0.046%
165	10.924	10.915	10.967	PV	204	3175	0.04%	0.018%
166	11.009	10.967	11.044	VV	1300	20412	0.26%	0.117%
167	11.078	11.044	11.111	VV	2322	34261	0.43%	0.196%
168	11.143	11.111	11.213	VV	576	18637	0.23%	0.107%
169	11.230	11.213	11.249	VV	328	4504	0.06%	0.026%
170	11.298	11.249	11.336	VV	304	8105	0.10%	0.046%
171	11.380	11.336	11.447	VV	20702	257809	3.22%	1.476%
172	11.463	11.447	11.508	VV	1161	21586	0.27%	0.124%
173	11.543	11.508	11.577	VV	1069	23595	0.29%	0.135%
174	11.595	11.577	11.608	VV	239	4068	0.05%	0.023%
175	11.670	11.608	11.684	VV	522	17478	0.22%	0.100%
176	11.734	11.684	11.770	VV	1369	47908	0.60%	0.274%
177	11.787	11.770	11.816	VV	844	18257	0.23%	0.105%
178	11.835	11.816	11.857	VV	641	11694	0.15%	0.067%
179	11.877	11.857	11.921	VV	761	23552	0.29%	0.135%
180	11.959	11.921	11.998	VV	2112	50024	0.63%	0.286%
181	12.026	11.998	12.086	VV	547	19441	0.24%	0.111%
182	12.122	12.086	12.130	VV	416	7550	0.09%	0.043%
183	12.152	12.130	12.173	VV	692	15207	0.19%	0.087%
184	12.192	12.173	12.203	VV	979	13855	0.17%	0.079%
185	12.244	12.203	12.298	VV	4827	84502	1.06%	0.484%
186	12.322	12.298	12.354	VV	1886	26391	0.33%	0.151%
187	12.382	12.354	12.429	VV	3694	50293	0.63%	0.288%
188	12.446	12.429	12.487	VV	426	10358	0.13%	0.059%
189	12.496	12.487	12.558	VV	303	7413	0.09%	0.042%
190	12.562	12.558	12.569	VV	102	337	0.00%	0.002%
191	12.583	12.569	12.597	PV	119	1178	0.01%	0.007%
192	12.664	12.597	12.692	PV	485	16065	0.20%	0.092%
193	12.705	12.692	12.721	VV	387	4239	0.05%	0.024%
194	12.746	12.721	12.781	VV	477	13880	0.17%	0.079%

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195	12.827	12.781	12.968	VV	643013	8002619	100.00%	45.810%
196	12.988	12.968	13.026	VV	1046	33393	0.42%	0.191%
197	13.046	13.026	13.085	VV	1174	32904	0.41%	0.188%
198	13.105	13.085	13.127	VV	762	15984	0.20%	0.092%
199	13.138	13.127	13.168	VV	614	13768	0.17%	0.079%
200	13.189	13.168	13.221	VV	1102	26306	0.33%	0.151%
201	13.279	13.221	13.308	VV	1246	43306	0.54%	0.248%
202	13.328	13.308	13.348	VV	627	10789	0.13%	0.062%
203	13.374	13.348	13.394	VV	484	10691	0.13%	0.061%
204	13.433	13.394	13.471	VV	639	23175	0.29%	0.133%
205	13.524	13.471	13.554	VV	1733	39876	0.50%	0.228%
206	13.578	13.554	13.650	VV	3165	56103	0.70%	0.321%
207	13.660	13.650	13.695	VV	265	5742	0.07%	0.033%
208	13.704	13.695	13.742	VV	295	4677	0.06%	0.027%
209	13.751	13.742	13.764	VV	161	1733	0.02%	0.010%
210	13.810	13.764	13.829	VV	379	10130	0.13%	0.058%
211	13.835	13.829	13.856	VV	280	4138	0.05%	0.024%
212	13.881	13.856	13.938	VV	373	12927	0.16%	0.074%
213	13.957	13.938	13.968	VV	292	4475	0.06%	0.026%
214	14.016	13.968	14.088	VV	1907	52309	0.65%	0.299%
215	14.106	14.088	14.117	VV	516	7573	0.09%	0.043%
216	14.134	14.117	14.176	VV	682	15431	0.19%	0.088%
217	14.277	14.176	14.324	VV	727	42438	0.53%	0.243%
218	14.330	14.324	14.374	VV	562	12530	0.16%	0.072%
219	14.392	14.374	14.410	VV	621	10612	0.13%	0.061%
220	14.448	14.410	14.466	VV	855	21524	0.27%	0.123%
221	14.485	14.466	14.511	VV	847	17119	0.21%	0.098%
222	14.522	14.511	14.571	VV	498	11869	0.15%	0.068%
223	14.582	14.571	14.589	VV	305	2531	0.03%	0.014%
224	14.635	14.589	14.655	VV	1447	28166	0.35%	0.161%
225	14.678	14.655	14.775	VV	2696	57585	0.72%	0.330%
226	14.787	14.775	14.820	VV	174	2701	0.03%	0.015%
227	14.845	14.820	14.888	PV	553	10183	0.13%	0.058%
228	14.903	14.888	14.945	VV	215	5107	0.06%	0.029%
229	14.953	14.945	14.970	VV	135	1643	0.02%	0.009%
230	14.990	14.970	15.028	VV	231	4274	0.05%	0.024%
231	15.160	15.028	15.174	VV	364	19618	0.25%	0.112%
232	15.200	15.174	15.222	VV	646	12274	0.15%	0.070%
233	15.230	15.222	15.281	VV	334	8221	0.10%	0.047%
234	15.332	15.281	15.375	VV	482	19861	0.25%	0.114%
235	15.390	15.375	15.460	VV	472	15587	0.19%	0.089%
236	15.504	15.460	15.528	VV	528	16380	0.20%	0.094%
237	15.548	15.528	15.638	VV	683	25442	0.32%	0.146%
238	15.659	15.638	15.674	VV	1040	16067	0.20%	0.092%
239	15.698	15.674	15.828	VV	2222	57616	0.72%	0.330%
240	15.839	15.828	15.852	VV	118	1265	0.02%	0.007%
241	15.887	15.852	15.911	VV	128	3266	0.04%	0.019%
242	15.918	15.911	15.956	VV	134	1534	0.02%	0.009%
243	15.983	15.956	16.014	PV	128	2630	0.03%	0.015%
244	16.068	16.014	16.083	VV	216	4519	0.06%	0.026%
245	16.094	16.083	16.111	VV	169	1877	0.02%	0.011%
246	16.181	16.111	16.259	VV	538	22877	0.29%	0.131%

247	16.390	16.259	16.424	VV	444	28687	0.36%	0.164%
248	16.428	16.424	16.451	VV	384	4602	0.06%	0.026%
249	16.484	16.451	16.508	VV	345	9178	0.11%	0.053%
250	16.564	16.508	16.588	VV	453	18128	0.23%	0.104%
251	16.646	16.588	16.698	VV	2042	53312	0.67%	0.305%
252	16.700	16.698	16.730	VV	300	4365	0.05%	0.025%
253	16.754	16.730	16.778	VV	392	6342	0.08%	0.036%
254	16.788	16.778	16.824	VV	185	3768	0.05%	0.022%
255	16.835	16.824	16.842	VV	78	555	0.01%	0.003%
256	16.855	16.842	16.888	VV	93	1995	0.02%	0.011%
257	16.899	16.888	16.914	VV	108	1085	0.01%	0.006%
258	16.934	16.914	16.943	VV	164	1634	0.02%	0.009%
259	16.975	16.943	17.001	PV	180	3545	0.04%	0.020%
260	17.008	17.001	17.014	VV	149	781	0.01%	0.004%
261	17.022	17.014	17.044	VV	180	2044	0.03%	0.012%
262	17.094	17.044	17.163	VV	1086	22700	0.28%	0.130%
263	17.226	17.163	17.258	VV	290	10023	0.13%	0.057%
264	17.276	17.258	17.291	VV	184	3107	0.04%	0.018%
265	17.351	17.291	17.394	VV	346	13457	0.17%	0.077%
266	17.433	17.394	17.448	VV	239	6328	0.08%	0.036%
267	17.530	17.448	17.584	VV	2525	65235	0.82%	0.373%
268	17.598	17.584	17.607	VV	216	2537	0.03%	0.015%
269	17.670	17.607	17.704	VV	256	11162	0.14%	0.064%
270	17.712	17.704	17.728	VV	119	1134	0.01%	0.006%
271	17.754	17.728	17.781	VV	91	1122	0.01%	0.006%
272	17.822	17.781	17.868	PV	138	2864	0.04%	0.016%
273	17.892	17.868	17.911	PV	96	1131	0.01%	0.006%
274	17.952	17.911	17.998	VV	1502	24772	0.31%	0.142%
275	18.009	17.998	18.026	VV	97	1583	0.02%	0.009%
276	18.080	18.026	18.120	VV	239	6292	0.08%	0.036%
277	18.242	18.120	18.253	PV	298	12435	0.16%	0.071%
278	18.261	18.253	18.301	VV	199	4187	0.05%	0.024%
279	18.361	18.301	18.425	VV	2407	55497	0.69%	0.318%
280	18.518	18.425	18.541	VV	237	10058	0.13%	0.058%
281	18.563	18.541	18.578	VV	128	2607	0.03%	0.015%
282	18.621	18.578	18.631	VV	198	3216	0.04%	0.018%
283	18.759	18.631	18.844	PV	1394	29536	0.37%	0.169%
284	18.940	18.844	18.972	VV	255	8614	0.11%	0.049%
285	19.000	18.972	19.050	VV	316	7897	0.10%	0.045%
286	19.078	19.050	19.091	VV	196	3696	0.05%	0.021%
287	19.144	19.091	19.224	VV	1897	46323	0.58%	0.265%
288	19.235	19.224	19.252	VV	219	2632	0.03%	0.015%
289	19.389	19.252	19.414	VV	339	19634	0.25%	0.112%
290	19.449	19.414	19.478	VV	322	8425	0.11%	0.048%
291	19.519	19.478	19.551	VV	1034	21954	0.27%	0.126%
292	19.654	19.551	19.663	VV	664	28985	0.36%	0.166%
293	19.706	19.663	19.719	VV	912	25351	0.32%	0.145%
294	19.777	19.719	19.811	VV	1198	52353	0.65%	0.300%
295	19.883	19.811	19.914	VV	2179	81999	1.02%	0.469%
296	19.985	19.914	20.007	VV	1314	67599	0.84%	0.387%
297	20.075	20.007	20.084	VV	1415	62534	0.78%	0.358%
298	20.239	20.084	20.262	VV	1996	165901	2.07%	0.950%
299	20.415	20.262	20.454	VV	2874	243981	3.05%	1.397%

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300	20.464	20.454	20.498	VV	2346	59114	0.74%	0.338%
301	20.590	20.498	20.636	VV	3027	204698	2.56%	1.172%
302	20.652	20.636	20.667	VV	2271	42208	0.53%	0.242%
303	20.681	20.667	20.754	VV	2365	118925	1.49%	0.681%
304	20.922	20.754	20.971	VV	2044	268820	3.36%	1.539%
305	20.993	20.971	21.010	VV	2011	45787	0.57%	0.262%
306	21.021	21.010	21.058	VV	1880	50697	0.63%	0.290%
307	21.125	21.058	21.151	VV	1734	93484	1.17%	0.535%
308	21.158	21.151	21.171	VV	1626	19462	0.24%	0.111%
309	21.217	21.171	21.234	VV	1701	60477	0.76%	0.346%
310	21.271	21.234	21.321	VV	1517	73919	0.92%	0.423%
311	21.373	21.321	21.387	VV	1364	51275	0.64%	0.294%
312	21.432	21.387	21.490	VV	1581	83699	1.05%	0.479%
313	21.504	21.490	21.558	VV	1138	42086	0.53%	0.241%
314	21.565	21.558	21.580	VV	1496	13849	0.17%	0.079%
315	21.589	21.580	21.600	VV	1002	11831	0.15%	0.068%
316	21.610	21.600	21.619	VV	905	10002	0.12%	0.057%
317	21.678	21.619	21.708	VV	917	44996	0.56%	0.258%
318	21.719	21.708	21.732	VV	758	10573	0.13%	0.061%
319	21.738	21.732	21.766	VV	732	13081	0.16%	0.075%
320	21.777	21.766	21.818	VV	614	17030	0.21%	0.097%
321	21.831	21.818	21.910	VV	568	23487	0.29%	0.134%
322	21.956	21.910	22.018	VV	310	15323	0.19%	0.088%
323	22.028	22.018	22.046	VV	185	1818	0.02%	0.010%

Sum of corrected areas: 17469010

Aliphatic EPH 032625.M Wed Apr 02 03:34:47 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-004-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-14		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015604.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	21.4		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	126		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	94.7		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.1		40 - 140	108%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.3		40 - 140	113%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-14	Acq On:	01 Apr 2025 20:25
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP\AJ
Data file:	FG015604.D	Misc:	
Instrument:	FID_G	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1437003	10.724	200	ug/ml
Aromatic C12-C16	6.330	9.035	8686933	63.338	300	ug/ml
Aromatic C16-C21	9.036	13.365	6599402	47.338	500	ug/ml
Aromatic C21-C36	13.366	18.829	2061184	15.832	800	ug/ml
Aromatic EPH	4.450	18.829	18784522	137.232		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	8207815	56.28		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6613750	54.14		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	3005093	36.36		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015604.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:25
Operator : YP\AJ
Sample : Q1664-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:20 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...	7.961	6613750	54.142 ug/ml
Spiked Amount 50.000		Recovery = 108.28%	
6) S 2-Flurobiphenyl (SURR)	8.838	3005093	36.356 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 72.71%	
11) S ortho-Terphenyl (SURR)	11.913	8207815	56.284 ug/ml
Spiked Amount 50.000		Recovery = 112.57%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

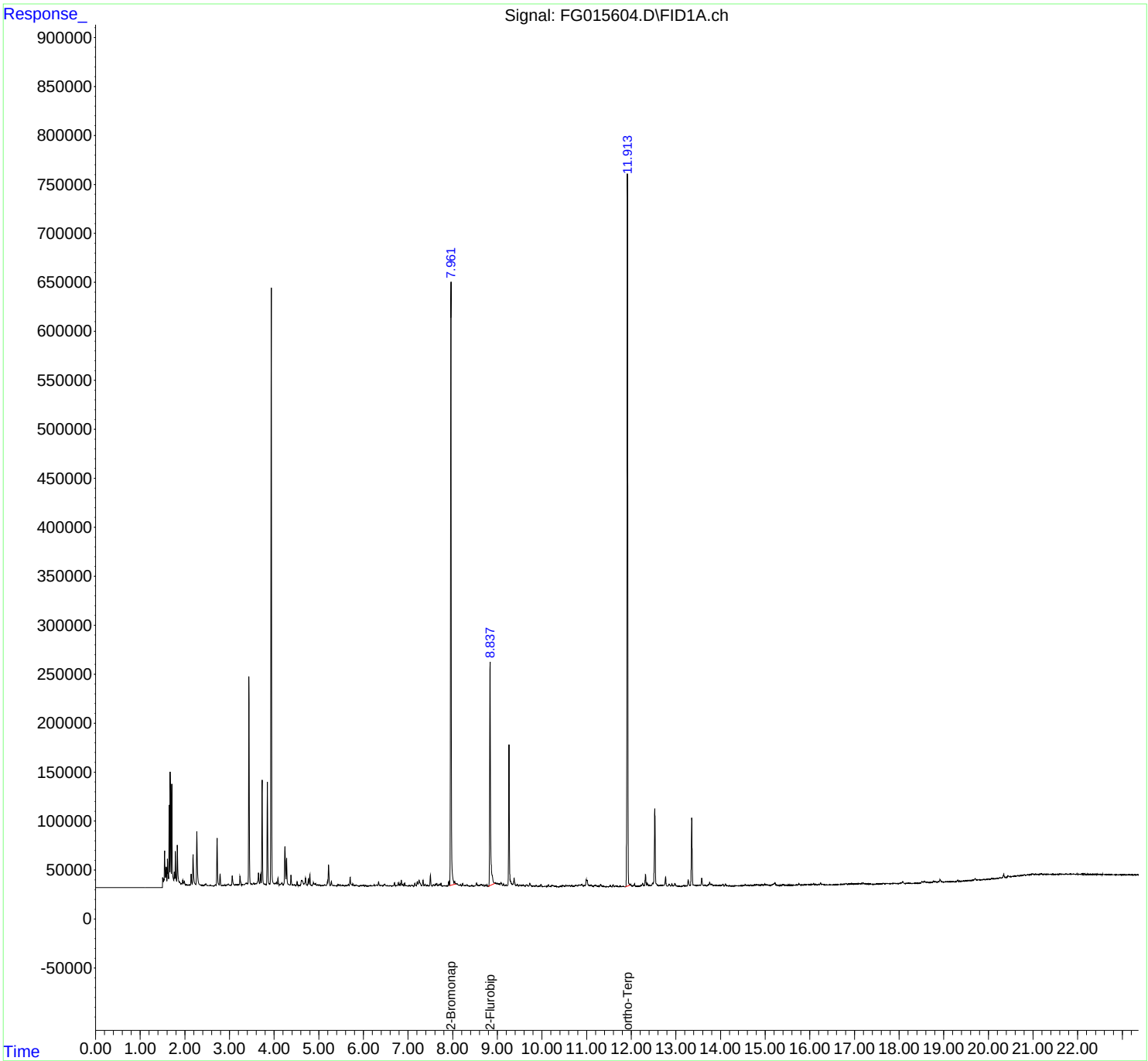
Quantitation Report (QT Reviewed)

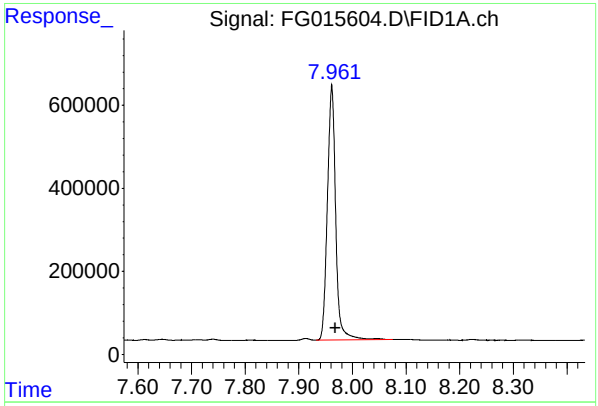
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015604.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:25
Operator : YP\AJ
Sample : Q1664-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-004-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:20 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

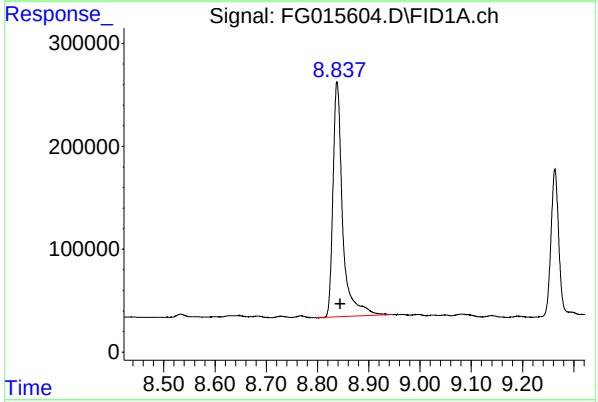




#4 2-Bromonaphthalene (SURR)

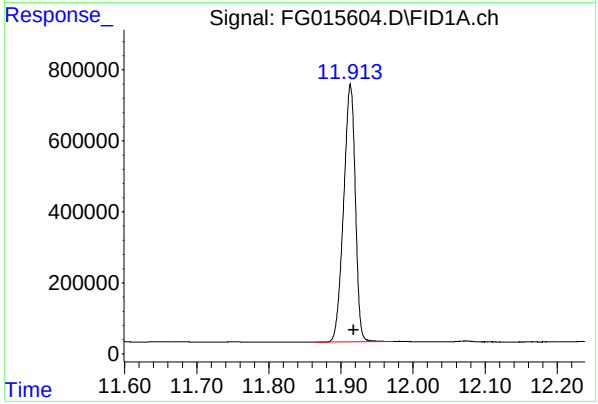
R.T.: 7.961 min
Delta R.T.: -0.006 min
Response: 6613750
Conc: 54.14 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-004-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 3005093
Conc: 36.36 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.005 min
Response: 8207815
Conc: 56.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015604.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:25
Sample : Q1664-14
Misc :
ALS Vial : 32 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	4.328	4.324	4.359	PV	106	1524	0.02%	0.005%
2	4.379	4.359	4.432	PV	10475	107315	1.30%	0.353%
3	4.441	4.432	4.445	VV	355	2241	0.03%	0.007%
4	4.460	4.445	4.479	VV	724	7617	0.09%	0.025%
5	4.516	4.494	4.541	PV	3952	43130	0.52%	0.142%
6	4.557	4.541	4.575	VV	398	4940	0.06%	0.016%
7	4.613	4.575	4.622	VV	5323	63343	0.77%	0.208%
8	4.630	4.622	4.662	VV	5182	86851	1.05%	0.286%
9	4.704	4.662	4.729	VV	7905	126114	1.53%	0.415%
10	4.768	4.729	4.785	VV	6844	85739	1.04%	0.282%
11	4.801	4.785	4.827	VV	11301	119698	1.45%	0.394%
12	4.833	4.827	4.854	VV	436	4702	0.06%	0.015%
13	4.882	4.854	4.897	VV	3190	43475	0.53%	0.143%
14	4.928	4.897	4.960	VV	2320	50772	0.61%	0.167%
15	4.978	4.960	4.997	VV	830	13900	0.17%	0.046%
16	5.012	4.997	5.054	VV	1080	15473	0.19%	0.051%
17	5.073	5.054	5.089	PV	220	2401	0.03%	0.008%
18	5.133	5.089	5.165	VV	1135	20974	0.25%	0.069%
19	5.196	5.165	5.203	VV	4601	46695	0.56%	0.154%
20	5.221	5.203	5.259	VV	21265	266950	3.23%	0.878%
21	5.284	5.259	5.325	VV	4388	56680	0.69%	0.186%
22	5.343	5.325	5.354	VV	357	4032	0.05%	0.013%
23	5.358	5.354	5.391	VV	259	1451	0.02%	0.005%
24	5.431	5.406	5.458	VV	1286	19149	0.23%	0.063%
25	5.475	5.458	5.508	VV	1238	20403	0.25%	0.067%
26	5.531	5.508	5.579	VV	672	15704	0.19%	0.052%
27	5.588	5.579	5.605	VV	347	4049	0.05%	0.013%
28	5.621	5.605	5.641	VV	867	9548	0.12%	0.031%
29	5.662	5.641	5.683	VV	1518	20031	0.24%	0.066%
30	5.704	5.683	5.750	VV	8867	119902	1.45%	0.395%
31	5.764	5.750	5.795	VV	2296	28915	0.35%	0.095%
32	5.807	5.795	5.822	VV	517	6607	0.08%	0.022%
33	5.834	5.822	5.846	VV	873	9548	0.12%	0.031%
34	5.854	5.846	5.885	VV	744	9005	0.11%	0.030%
35	5.939	5.905	5.955	PV	548	10310	0.12%	0.034%
36	5.973	5.955	5.990	VV	1011	11899	0.14%	0.039%

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37	6.008	5.990	6.029	VV	780	10578	0.13%	0.035%
38	6.036	6.029	6.090	VV	432	7630	0.09%	0.025%
39	6.105	6.090	6.122	VV	162	2399	0.03%	0.008%
40	6.138	6.122	6.146	VV	353	3792	0.05%	0.012%
41	6.153	6.146	6.160	VV	340	2702	0.03%	0.009%
42	6.165	6.160	6.170	VV	407	1822	0.02%	0.006%
43	6.177	6.170	6.207	VV	514	7616	0.09%	0.025%
44	6.245	6.207	6.280	VV	1080	28604	0.35%	0.094%
45	6.297	6.280	6.320	VV	1570	21853	0.26%	0.072%
46	6.342	6.320	6.372	VV	4271	56186	0.68%	0.185%
47	6.384	6.372	6.397	VV	795	9669	0.12%	0.032%
48	6.408	6.397	6.435	VV	710	12472	0.15%	0.041%
49	6.480	6.435	6.510	VV	2009	43513	0.53%	0.143%
50	6.527	6.510	6.544	VV	559	8651	0.10%	0.028%
51	6.550	6.544	6.570	VV	374	4626	0.06%	0.015%
52	6.582	6.570	6.599	VV	537	7011	0.08%	0.023%
53	6.606	6.599	6.640	VV	480	6850	0.08%	0.023%
54	6.657	6.640	6.672	VV	490	6089	0.07%	0.020%
55	6.697	6.672	6.721	VV	3662	46693	0.56%	0.154%
56	6.737	6.721	6.752	VV	811	11808	0.14%	0.039%
57	6.783	6.752	6.804	VV	3520	47873	0.58%	0.158%
58	6.819	6.804	6.833	VV	2043	22302	0.27%	0.073%
59	6.851	6.833	6.873	VV	6389	75795	0.92%	0.249%
60	6.885	6.873	6.905	VV	2044	22388	0.27%	0.074%
61	6.925	6.905	6.945	VV	3439	36971	0.45%	0.122%
62	6.955	6.945	6.972	VV	796	9077	0.11%	0.030%
63	6.982	6.972	6.997	VV	386	5141	0.06%	0.017%
64	7.029	6.997	7.052	VV	892	17286	0.21%	0.057%
65	7.080	7.052	7.125	VV	1169	25789	0.31%	0.085%
66	7.153	7.125	7.185	VV	3263	44535	0.54%	0.147%
67	7.208	7.185	7.224	VV	4605	63963	0.77%	0.210%
68	7.250	7.224	7.309	VV	6181	147812	1.79%	0.486%
69	7.337	7.309	7.361	VV	6233	86470	1.05%	0.285%
70	7.385	7.361	7.409	VV	2176	32778	0.40%	0.108%
71	7.445	7.409	7.467	VV	1202	23745	0.29%	0.078%
72	7.503	7.467	7.533	VV	11529	134361	1.63%	0.442%
73	7.563	7.533	7.576	VV	1781	25546	0.31%	0.084%
74	7.580	7.576	7.596	VV	1375	12287	0.15%	0.040%
75	7.613	7.596	7.626	VV	2366	25811	0.31%	0.085%
76	7.645	7.626	7.666	VV	2990	42881	0.52%	0.141%
77	7.683	7.666	7.694	VV	1349	17093	0.21%	0.056%
78	7.709	7.694	7.725	VV	2142	29078	0.35%	0.096%
79	7.740	7.725	7.777	VV	3319	40451	0.49%	0.133%
80	7.810	7.777	7.839	VV	822	18243	0.22%	0.060%
81	7.860	7.839	7.885	VV	585	11603	0.14%	0.038%
82	7.913	7.885	7.932	VV	4981	59190	0.72%	0.195%
83	7.962	7.932	8.033	VV	614883	6661414	80.58%	21.917%
84	8.046	8.033	8.075	VV	4971	95130	1.15%	0.313%
85	8.078	8.075	8.092	VV	2624	24679	0.30%	0.081%
86	8.104	8.092	8.162	VV	2858	72714	0.88%	0.239%
87	8.179	8.162	8.201	VV	1466	26227	0.32%	0.086%
88	8.224	8.201	8.270	VV	2958	54015	0.65%	0.178%
89	8.279	8.270	8.295	VV	916	11005	0.13%	0.036%

90	8.319	8.295	8.372	VV	1425	36255	0.44%	0.119%
91	8.389	8.372	8.399	VV	560	7761	0.09%	0.026%
92	8.436	8.399	8.458	VV	936	23047	0.28%	0.076%
93	8.533	8.458	8.553	VV	3623	65847	0.80%	0.217%
94	8.562	8.553	8.580	VV	1236	16622	0.20%	0.055%
95	8.599	8.580	8.612	VV	1126	17793	0.22%	0.059%
96	8.629	8.612	8.634	VV	2120	21469	0.26%	0.071%
97	8.646	8.634	8.666	VV	2249	34495	0.42%	0.113%
98	8.683	8.666	8.710	VV	1756	27292	0.33%	0.090%
99	8.730	8.710	8.750	VV	1675	23200	0.28%	0.076%
100	8.768	8.750	8.799	VV	2069	25370	0.31%	0.083%
101	8.838	8.799	8.952	VV	229105	3167127	38.31%	10.421%
102	8.963	8.952	8.980	VV	3406	54815	0.66%	0.180%
103	8.999	8.980	9.015	VV	3431	60739	0.73%	0.200%
104	9.025	9.015	9.038	VV	2829	35007	0.42%	0.115%
105	9.049	9.038	9.062	VV	2862	36376	0.44%	0.120%
106	9.082	9.062	9.120	VV	3674	92111	1.11%	0.303%
107	9.140	9.120	9.171	VV	2333	42221	0.51%	0.139%
108	9.192	9.171	9.222	VV	1723	33834	0.41%	0.111%
109	9.263	9.222	9.336	VV	144829	1661021	20.09%	5.465%
110	9.377	9.336	9.413	VV	8660	174817	2.11%	0.575%
111	9.419	9.413	9.431	VV	1098	11063	0.13%	0.036%
112	9.449	9.431	9.482	VV	2587	42371	0.51%	0.139%
113	9.501	9.482	9.514	VV	1624	23773	0.29%	0.078%
114	9.519	9.514	9.564	VV	1387	35349	0.43%	0.116%
115	9.583	9.564	9.627	VV	1599	36929	0.45%	0.122%
116	9.647	9.627	9.657	VV	1664	20211	0.24%	0.066%
117	9.667	9.657	9.692	VV	1771	24957	0.30%	0.082%
118	9.697	9.692	9.705	VV	573	3723	0.05%	0.012%
119	9.729	9.705	9.783	VV	3405	67297	0.81%	0.221%
120	9.807	9.783	9.820	VV	774	13500	0.16%	0.044%
121	9.827	9.820	9.850	VV	627	8000	0.10%	0.026%
122	9.871	9.850	9.894	VV	1612	20661	0.25%	0.068%
123	9.903	9.894	9.913	VV	304	3162	0.04%	0.010%
124	9.942	9.913	9.951	VV	763	11247	0.14%	0.037%
125	9.979	9.951	10.048	VV	2276	36912	0.45%	0.121%
126	10.067	10.048	10.111	VV	644	14041	0.17%	0.046%
127	10.114	10.111	10.127	VV	288	2363	0.03%	0.008%
128	10.147	10.127	10.180	VV	1972	26749	0.32%	0.088%
129	10.222	10.190	10.240	VV	1244	24833	0.30%	0.082%
130	10.248	10.240	10.279	VV	1189	21599	0.26%	0.071%
131	10.295	10.279	10.308	VV	716	9947	0.12%	0.033%
132	10.318	10.308	10.337	VV	634	6727	0.08%	0.022%
133	10.352	10.337	10.365	VV	201	1694	0.02%	0.006%
134	10.401	10.389	10.405	VV	225	1762	0.02%	0.006%
135	10.424	10.405	10.440	VV	669	9090	0.11%	0.030%
136	10.465	10.440	10.487	VV	1456	25626	0.31%	0.084%
137	10.494	10.487	10.505	VV	755	7045	0.09%	0.023%
138	10.517	10.505	10.523	VV	737	7109	0.09%	0.023%
139	10.543	10.523	10.558	VV	1345	19980	0.24%	0.066%
140	10.580	10.558	10.598	VV	1422	23957	0.29%	0.079%
141	10.616	10.598	10.620	VV	1047	11037	0.13%	0.036%

142	10.629	10.620	10.643	VV	1046	11563	0.14%	0.038%
143	10.662	10.643	10.684	VV	1340	21475	0.26%	0.071%
144	10.703	10.684	10.718	VV	523	8698	0.11%	0.029%
145	10.748	10.718	10.764	VV	1743	28141	0.34%	0.093%
146	10.775	10.764	10.800	VV	1482	25980	0.31%	0.085%
147	10.820	10.800	10.851	VV	2062	50039	0.61%	0.165%
148	10.856	10.851	10.860	VV	1479	8068	0.10%	0.027%
149	10.888	10.860	10.923	VV	2349	64169	0.78%	0.211%
150	10.943	10.923	10.960	VV	1741	25983	0.31%	0.085%
151	10.994	10.960	11.003	VV	7177	97920	1.18%	0.322%
152	11.013	11.003	11.068	VV	6745	123838	1.50%	0.407%
153	11.076	11.068	11.088	VV	1382	15845	0.19%	0.052%
154	11.103	11.088	11.155	VV	1820	44584	0.54%	0.147%
155	11.177	11.155	11.189	VV	1375	20753	0.25%	0.068%
156	11.204	11.189	11.238	VV	1328	30056	0.36%	0.099%
157	11.254	11.238	11.269	VV	899	13231	0.16%	0.044%
158	11.283	11.269	11.294	VV	997	12137	0.15%	0.040%
159	11.315	11.294	11.333	VV	2412	36466	0.44%	0.120%
160	11.344	11.333	11.365	VV	900	12571	0.15%	0.041%
161	11.378	11.365	11.418	VV	600	12203	0.15%	0.040%
162	11.425	11.418	11.436	VV	192	1379	0.02%	0.005%
163	11.459	11.436	11.490	VV	302	5929	0.07%	0.020%
164	11.527	11.490	11.558	VV	1377	22385	0.27%	0.074%
165	11.565	11.558	11.575	VV	321	2866	0.03%	0.009%
166	11.595	11.575	11.619	VV	2156	27718	0.34%	0.091%
167	11.644	11.619	11.653	VV	922	12342	0.15%	0.041%
168	11.664	11.653	11.732	VV	913	23729	0.29%	0.078%
169	11.751	11.732	11.772	VV	1256	14460	0.17%	0.048%
170	11.782	11.772	11.787	VV	284	1697	0.02%	0.006%
171	11.791	11.787	11.795	VV	347	1393	0.02%	0.005%
172	11.819	11.795	11.824	VV	427	5358	0.06%	0.018%
173	11.828	11.824	11.869	VV	355	3932	0.05%	0.013%
174	11.913	11.869	11.971	PV	723234	8266488	100.00%	27.199%
175	11.982	11.971	12.040	VV	2399	55893	0.68%	0.184%
176	12.074	12.040	12.133	VV	3337	70529	0.85%	0.232%
177	12.162	12.133	12.177	VV	676	14170	0.17%	0.047%
178	12.199	12.177	12.204	VV	819	10943	0.13%	0.036%
179	12.256	12.204	12.289	VV	3280	83894	1.01%	0.276%
180	12.318	12.289	12.341	VV	12441	170554	2.06%	0.561%
181	12.357	12.341	12.382	VV	3660	58702	0.71%	0.193%
182	12.394	12.382	12.411	VV	1517	23783	0.29%	0.078%
183	12.426	12.411	12.447	VV	1319	25535	0.31%	0.084%
184	12.484	12.447	12.496	VV	3745	77309	0.94%	0.254%
185	12.528	12.496	12.619	VV	79235	1108531	13.41%	3.647%
186	12.640	12.619	12.652	VV	1283	22761	0.28%	0.075%
187	12.682	12.652	12.695	VV	1596	35734	0.43%	0.118%
188	12.700	12.695	12.727	VV	1441	24691	0.30%	0.081%
189	12.767	12.727	12.817	VV	9897	171697	2.08%	0.565%
190	12.846	12.817	12.885	VV	2495	55803	0.68%	0.184%
191	12.908	12.885	12.953	VV	3015	55937	0.68%	0.184%
192	12.977	12.953	13.032	VV	3271	65573	0.79%	0.216%
193	13.037	13.032	13.042	VV	375	2233	0.03%	0.007%
194	13.050	13.042	13.062	VV	373	4269	0.05%	0.014%

195	13.080	13.062	13.110	VV	335	5735	0.07%	0.019%
196	13.166	13.110	13.174	VV	736	14053	0.17%	0.046%
197	13.188	13.174	13.212	VV	842	16988	0.21%	0.056%
198	13.232	13.212	13.247	VV	777	12852	0.16%	0.042%
199	13.273	13.247	13.324	VV	6822	122585	1.48%	0.403%
200	13.354	13.324	13.397	VV	70214	888646	10.75%	2.924%
201	13.408	13.397	13.434	VV	1409	26872	0.33%	0.088%
202	13.480	13.434	13.501	VV	1354	43077	0.52%	0.142%
203	13.521	13.501	13.552	VV	1187	33112	0.40%	0.109%
204	13.577	13.552	13.617	VV	8360	131633	1.59%	0.433%
205	13.640	13.617	13.649	VV	1100	18344	0.22%	0.060%
206	13.653	13.649	13.684	VV	1170	19913	0.24%	0.066%
207	13.755	13.684	13.775	VV	4188	99800	1.21%	0.328%
208	13.789	13.775	13.836	VV	1965	59029	0.71%	0.194%
209	13.860	13.836	13.879	VV	1171	23924	0.29%	0.079%
210	13.897	13.879	13.917	VV	1092	21712	0.26%	0.071%
211	13.929	13.917	13.945	VV	997	14094	0.17%	0.046%
212	13.979	13.945	14.003	VV	1197	31210	0.38%	0.103%
213	14.025	14.003	14.032	VV	1067	15676	0.19%	0.052%
214	14.054	14.032	14.087	VV	2134	41669	0.50%	0.137%
215	14.109	14.087	14.139	VV	2505	39578	0.48%	0.130%
216	14.146	14.139	14.158	VV	689	7223	0.09%	0.024%
217	14.160	14.158	14.185	VV	667	7638	0.09%	0.025%
218	14.204	14.185	14.274	VV	635	19037	0.23%	0.063%
219	14.279	14.274	14.299	VV	269	2185	0.03%	0.007%
220	14.342	14.299	14.368	PV	384	12289	0.15%	0.040%
221	14.382	14.368	14.387	VV	405	4469	0.05%	0.015%
222	14.405	14.387	14.415	VV	438	5858	0.07%	0.019%
223	14.423	14.415	14.427	VV	367	2008	0.02%	0.007%
224	14.450	14.427	14.461	VV	578	8903	0.11%	0.029%
225	14.467	14.461	14.471	VV	428	2138	0.03%	0.007%
226	14.474	14.471	14.489	VV	391	3827	0.05%	0.013%
227	14.522	14.489	14.527	VV	729	12852	0.16%	0.042%
228	14.550	14.527	14.573	VV	1582	30627	0.37%	0.101%
229	14.600	14.573	14.620	VV	945	21775	0.26%	0.072%
230	14.625	14.620	14.633	VV	769	5234	0.06%	0.017%
231	14.679	14.633	14.722	VV	939	34751	0.42%	0.114%
232	14.739	14.722	14.743	VV	683	7501	0.09%	0.025%
233	14.771	14.743	14.785	VV	1077	22469	0.27%	0.074%
234	14.814	14.785	14.850	VV	1325	39817	0.48%	0.131%
235	14.869	14.850	14.909	VV	1077	28988	0.35%	0.095%
236	14.935	14.909	14.955	VV	933	20836	0.25%	0.069%
237	14.991	14.955	15.011	VV	1581	34839	0.42%	0.115%
238	15.021	15.011	15.047	VV	1310	22254	0.27%	0.073%
239	15.055	15.047	15.118	VV	1010	22323	0.27%	0.073%
240	15.148	15.118	15.155	VV	707	11203	0.14%	0.037%
241	15.216	15.155	15.316	VV	2942	109850	1.33%	0.361%
242	15.321	15.316	15.325	VV	286	1298	0.02%	0.004%
243	15.328	15.325	15.334	VV	320	1136	0.01%	0.004%
244	15.338	15.334	15.359	VV	287	2181	0.03%	0.007%
245	15.384	15.367	15.400	VV	988	13581	0.16%	0.045%
246	15.410	15.400	15.456	VV	915	17101	0.21%	0.056%

247	15.461	15.456	15.472	VV	269	1783	0.02%	0.006%
248	15.479	15.472	15.507	VV	284	4099	0.05%	0.013%
249	15.523	15.507	15.547	VV	475	6580	0.08%	0.022%
250	15.559	15.555	15.596	VV	271	5024	0.06%	0.017%
251	15.602	15.596	15.610	VV	323	1802	0.02%	0.006%
252	15.640	15.610	15.664	VV	365	8191	0.10%	0.027%
253	15.701	15.664	15.720	VV	549	12692	0.15%	0.042%
254	15.755	15.720	15.824	VV	1760	45147	0.55%	0.149%
255	15.897	15.824	15.907	VV	715	23028	0.28%	0.076%
256	15.922	15.907	15.932	VV	673	9179	0.11%	0.030%
257	15.948	15.932	16.015	VV	700	25995	0.31%	0.086%
258	16.064	16.015	16.072	VV	849	23500	0.28%	0.077%
259	16.093	16.072	16.127	VV	1143	27386	0.33%	0.090%
260	16.131	16.127	16.172	VV	556	11078	0.13%	0.036%
261	16.203	16.172	16.218	VV	1011	16652	0.20%	0.055%
262	16.241	16.218	16.269	VV	1863	34440	0.42%	0.113%
263	16.289	16.269	16.324	VV	899	19860	0.24%	0.065%
264	16.327	16.324	16.369	VV	275	4780	0.06%	0.016%
265	16.382	16.369	16.406	VV	175	2241	0.03%	0.007%
266	16.418	16.406	16.432	VV	142	1501	0.02%	0.005%
267	16.449	16.432	16.465	PV	162	1925	0.02%	0.006%
268	16.487	16.465	16.505	PV	142	1885	0.02%	0.006%
269	16.531	16.505	16.555	VV	149	2122	0.03%	0.007%
270	16.622	16.555	16.634	VV	310	5863	0.07%	0.019%
271	16.725	16.634	16.759	VV	587	22335	0.27%	0.073%
272	16.809	16.759	16.841	VV	1280	32650	0.39%	0.107%
273	16.886	16.841	16.909	VV	708	22850	0.28%	0.075%
274	16.941	16.909	16.972	VV	832	25618	0.31%	0.084%
275	16.979	16.972	16.994	VV	581	6775	0.08%	0.022%
276	17.022	16.994	17.055	VV	622	18942	0.23%	0.062%
277	17.088	17.055	17.099	VV	771	16187	0.20%	0.053%
278	17.118	17.099	17.136	VV	894	16302	0.20%	0.054%
279	17.194	17.136	17.224	VV	1755	52425	0.63%	0.172%
280	17.239	17.224	17.287	VV	652	18919	0.23%	0.062%
281	17.300	17.287	17.326	VV	640	9902	0.12%	0.033%
282	17.349	17.326	17.444	VV	339	9719	0.12%	0.032%
283	17.492	17.444	17.514	PV	199	4632	0.06%	0.015%
284	17.523	17.514	17.542	VV	186	2522	0.03%	0.008%
285	17.577	17.542	17.594	VV	197	4161	0.05%	0.014%
286	17.644	17.594	17.685	VV	859	21052	0.25%	0.069%
287	17.692	17.685	17.702	VV	319	2853	0.03%	0.009%
288	17.732	17.702	17.762	VV	467	12928	0.16%	0.043%
289	17.770	17.762	17.805	VV	315	6602	0.08%	0.022%
290	17.902	17.805	17.961	VV	569	33222	0.40%	0.109%
291	18.081	17.961	18.145	VV	2285	72794	0.88%	0.240%
292	18.234	18.145	18.312	VV	451	25449	0.31%	0.084%
293	18.356	18.312	18.387	PV	153	4852	0.06%	0.016%
294	18.412	18.387	18.435	PV	137	2118	0.03%	0.007%
295	18.509	18.435	18.534	PV	1562	32226	0.39%	0.106%
296	18.562	18.534	18.629	VV	1599	63217	0.76%	0.208%
297	18.634	18.629	18.707	VV	751	17245	0.21%	0.057%
298	18.778	18.707	18.855	VV	1156	50100	0.61%	0.165%
299	18.918	18.855	18.992	VV	2618	63952	0.77%	0.210%

rteres
Sum of corrected areas: 30393172

Aromatic EPH 031725.M Wed Apr 02 02:32:33 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 18:39	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	1	0.15	1.09	mg/kg	FC068436.D
Aliphatic C12-C16	Aliphatic C12-C16	1.25		1	0.12	0.73	mg/kg	FC068436.D
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	1	0.14	1.09	mg/kg	FC068436.D
Aliphatic C21-C28	Aliphatic C21-C28	0.58	U	1	0.58	1.45	mg/kg	FC068436.D
Aliphatic C28-C40	Aliphatic C28-C40	1.28	U	1	1.28	2.18	mg/kg	FC068436.D
Aromatic C10-C12	Aromatic C10-C12	0.60	J	1	0.13	0.73	mg/kg	FG015586.D
Aromatic C12-C16	Aromatic C12-C16	0.78	J	1	0.25	1.09	mg/kg	FG015586.D
Aromatic C16-C21	Aromatic C16-C21	2.60		1	0.44	1.81	mg/kg	FG015586.D
Aromatic C21-C36	Aromatic C21-C36	1.30	U	1	1.30	2.90	mg/kg	FG015586.D
Total AliphaticEPH	Total AliphaticEPH	2.27	U		2.27	6.54	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.98	J		2.12	6.53	mg/kg	
Total EPH	Total EPH	5.93	J		4.39	13.1	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068436.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.30	J	0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.25		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.40	J	0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.58	U	0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.28	U	1.28	2.18	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.0		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-15	Acq On:	28 Mar 2025 18:39
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP/AJ
Data file:	FC068436.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	674846	4.158	300	ug/ml
Aliphatic C12-C16	6.361	9.742	2907493	17.287	200	ug/ml
Aliphatic C16-C21	9.743	13.094	948332	5.529	300	ug/ml
Aliphatic C21-C28	13.095	16.746	759499	4.498	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2358586	17.321	600	ug/ml
Aliphatic EPH	3.100	21.538	7648756	48.792		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	4174143	28		ug/ml
Aliphatic C9-C28	3.100	16.746	5290170	31.472	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068436.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:39
Operator : YP/AJ
Sample : Q1664-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.827	4174143	28.000 ug/ml
Spiked Amount 50.000		Recovery = 56.00%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

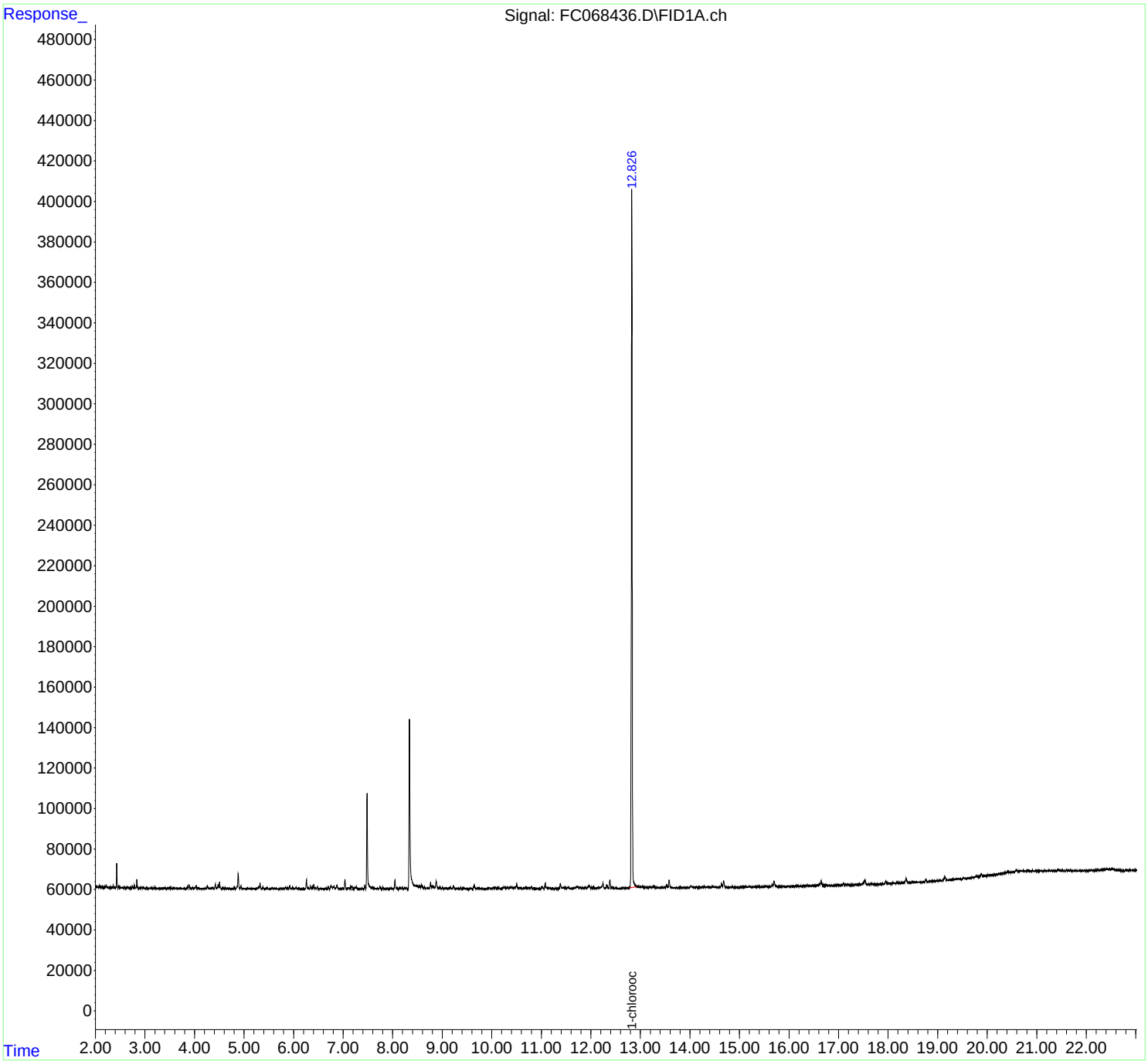
Quantitation Report (QT Reviewed)

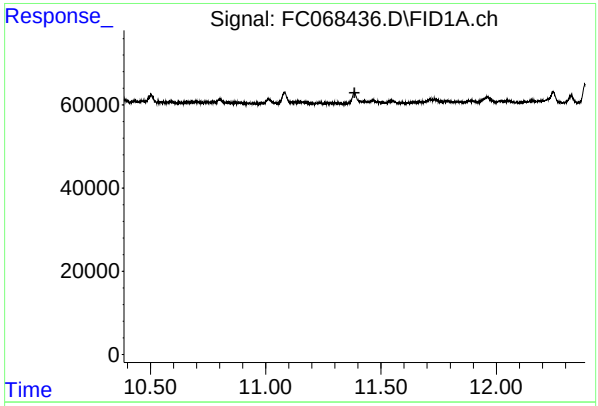
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068436.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:39
Operator : YP/AJ
Sample : Q1664-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Mar 29 02:30:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

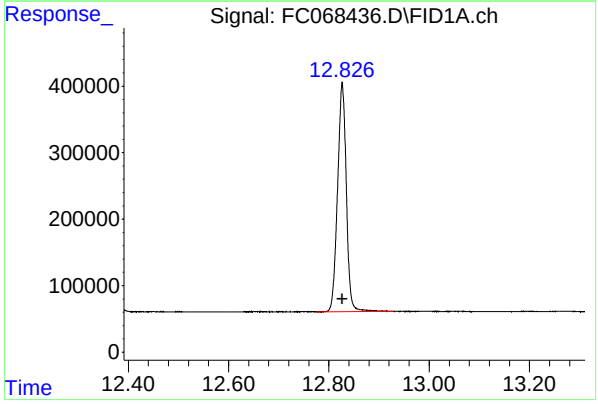




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-005-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 4174143
Conc: 28.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068436.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:39
Sample : Q1664-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.358	2.330	2.396	PV	878	8228	0.19%	0.067%
2	2.430	2.396	2.455	PV	11905	92838	2.19%	0.755%
3	2.471	2.455	2.516	VV	1041	11489	0.27%	0.093%
4	2.527	2.516	2.538	VV	166	1205	0.03%	0.010%
5	2.555	2.538	2.568	VV	165	2200	0.05%	0.018%
6	2.590	2.568	2.606	VV	479	4975	0.12%	0.040%
7	2.656	2.606	2.696	PV	194	5936	0.14%	0.048%
8	2.750	2.696	2.768	VV	712	13746	0.32%	0.112%
9	2.786	2.768	2.812	VV	1517	15376	0.36%	0.125%
10	2.836	2.812	2.891	VV	4365	42628	1.00%	0.347%
11	2.909	2.891	2.943	VV	173	4307	0.10%	0.035%
12	2.959	2.943	3.006	VV	618	8461	0.20%	0.069%
13	3.026	3.006	3.057	VV	155	2572	0.06%	0.021%
14	3.064	3.057	3.098	VV	102	1461	0.03%	0.012%
15	3.108	3.098	3.155	VV	77	1440	0.03%	0.012%
16	3.169	3.155	3.180	PV	95	776	0.02%	0.006%
17	3.204	3.180	3.287	VV	603	8015	0.19%	0.065%
18	3.297	3.287	3.338	VV	114	1253	0.03%	0.010%
19	3.343	3.338	3.388	PV	81	1173	0.03%	0.010%
20	3.400	3.388	3.427	VV	169	1842	0.04%	0.015%
21	3.437	3.427	3.465	PV	81	1676	0.04%	0.014%
22	3.494	3.465	3.507	VV	501	7093	0.17%	0.058%
23	3.519	3.507	3.549	VV	518	5614	0.13%	0.046%
24	3.568	3.549	3.641	VV	302	6003	0.14%	0.049%
25	3.651	3.641	3.678	VV	78	712	0.02%	0.006%
26	3.696	3.678	3.721	VV	216	2628	0.06%	0.021%
27	3.732	3.721	3.753	VV	154	1400	0.03%	0.011%
28	3.766	3.753	3.827	VV	172	3370	0.08%	0.027%
29	3.859	3.827	3.871	VV	734	7960	0.19%	0.065%
30	3.888	3.871	3.934	VV	2142	24262	0.57%	0.197%
31	3.953	3.934	3.988	VV	243	4745	0.11%	0.039%
32	4.033	3.988	4.139	VV	1624	28285	0.67%	0.230%
33	4.165	4.139	4.231	VV	164	6366	0.15%	0.052%
34	4.257	4.231	4.340	VV	1281	25702	0.61%	0.209%
35	4.366	4.340	4.389	VV	611	9179	0.22%	0.075%
36	4.421	4.389	4.443	VV	2382	28086	0.66%	0.228%

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37	4.477	4.443	4.491	VV	2252	26874	0.63%	0.218%
38	4.506	4.491	4.542	VV	3298	36148	0.85%	0.294%
39	4.561	4.542	4.581	VV	219	4332	0.10%	0.035%
40	4.588	4.581	4.606	VV	194	2516	0.06%	0.020%
41	4.622	4.606	4.659	VV	392	6335	0.15%	0.052%
42	4.695	4.659	4.741	VV	235	5474	0.13%	0.045%
43	4.804	4.741	4.830	PV	510	9812	0.23%	0.080%
44	4.882	4.830	4.915	VV	7557	104480	2.46%	0.849%
45	4.938	4.915	5.017	VV	1628	25367	0.60%	0.206%
46	5.072	5.017	5.125	VV	460	10021	0.24%	0.081%
47	5.166	5.125	5.219	VV	203	5372	0.13%	0.044%
48	5.248	5.219	5.266	VV	311	4433	0.10%	0.036%
49	5.286	5.266	5.303	VV	894	11696	0.28%	0.095%
50	5.323	5.303	5.361	VV	2984	35755	0.84%	0.291%
51	5.379	5.361	5.408	VV	790	9436	0.22%	0.077%
52	5.458	5.408	5.490	VV	421	11160	0.26%	0.091%
53	5.532	5.490	5.545	VV	165	2806	0.07%	0.023%
54	5.574	5.545	5.596	PV	456	7684	0.18%	0.062%
55	5.628	5.596	5.717	VV	351	9782	0.23%	0.080%
56	5.737	5.717	5.767	PV	127	2987	0.07%	0.024%
57	5.782	5.767	5.801	VV	268	3550	0.08%	0.029%
58	5.838	5.801	5.858	VV	669	12974	0.31%	0.105%
59	5.878	5.858	5.900	VV	843	12148	0.29%	0.099%
60	5.921	5.900	5.963	VV	1585	22601	0.53%	0.184%
61	5.981	5.963	6.018	VV	759	11744	0.28%	0.095%
62	6.051	6.018	6.108	VV	723	17890	0.42%	0.145%
63	6.110	6.108	6.121	VV	164	935	0.02%	0.008%
64	6.168	6.121	6.234	VV	196	8677	0.20%	0.071%
65	6.260	6.234	6.289	VV	4506	51892	1.22%	0.422%
66	6.298	6.289	6.319	VV	422	6165	0.15%	0.050%
67	6.341	6.319	6.364	VV	1323	16220	0.38%	0.132%
68	6.377	6.364	6.390	VV	827	8652	0.20%	0.070%
69	6.408	6.390	6.428	VV	2343	27067	0.64%	0.220%
70	6.441	6.428	6.460	VV	884	9886	0.23%	0.080%
71	6.480	6.460	6.516	VV	1245	15281	0.36%	0.124%
72	6.535	6.516	6.564	VV	269	4148	0.10%	0.034%
73	6.583	6.564	6.604	VV	201	3517	0.08%	0.029%
74	6.626	6.604	6.638	VV	222	3186	0.08%	0.026%
75	6.655	6.638	6.675	VV	250	3667	0.09%	0.030%
76	6.699	6.675	6.726	VV	1148	14908	0.35%	0.121%
77	6.752	6.726	6.788	VV	1768	33896	0.80%	0.276%
78	6.810	6.788	6.844	VV	1253	29417	0.69%	0.239%
79	6.877	6.844	6.902	VV	2198	33209	0.78%	0.270%
80	6.915	6.902	6.940	VV	413	5082	0.12%	0.041%
81	6.978	6.940	7.013	VV	555	11103	0.26%	0.090%
82	7.038	7.013	7.069	VV	4870	55464	1.31%	0.451%
83	7.098	7.069	7.129	VV	667	14547	0.34%	0.118%
84	7.146	7.129	7.158	VV	941	10466	0.25%	0.085%
85	7.178	7.158	7.200	VV	1565	21755	0.51%	0.177%
86	7.213	7.200	7.224	VV	398	4806	0.11%	0.039%
87	7.240	7.224	7.254	VV	790	10526	0.25%	0.086%
88	7.269	7.254	7.293	VV	1142	13994	0.33%	0.114%
89	7.337	7.293	7.365	VV	292	7305	0.17%	0.059%

90	7.386	7.365	7.408	VV	267	3873	0.09%	0.031%
91	7.439	7.408	7.461	VV	2080	23666	0.56%	0.192%
92	7.484	7.461	7.563	VV	47415	561712	13.23%	4.567%
93	7.581	7.563	7.622	VV	817	23595	0.56%	0.192%
94	7.635	7.622	7.646	VV	519	6609	0.16%	0.054%
95	7.652	7.646	7.684	VV	437	7784	0.18%	0.063%
96	7.702	7.684	7.720	VV	445	6801	0.16%	0.055%
97	7.744	7.720	7.780	VV	1293	18367	0.43%	0.149%
98	7.800	7.780	7.820	VV	909	11455	0.27%	0.093%
99	7.834	7.820	7.858	VV	485	7254	0.17%	0.059%
100	7.865	7.858	7.894	VV	259	3568	0.08%	0.029%
101	7.911	7.894	7.933	VV	226	3198	0.08%	0.026%
102	7.953	7.933	7.974	VV	475	6578	0.15%	0.053%
103	8.046	7.974	8.120	VV	4579	72335	1.70%	0.588%
104	8.155	8.120	8.181	VV	888	21844	0.51%	0.178%
105	8.194	8.181	8.216	VV	777	10608	0.25%	0.086%
106	8.239	8.216	8.260	VV	667	9972	0.23%	0.081%
107	8.278	8.260	8.310	VV	959	11397	0.27%	0.093%
108	8.340	8.310	8.481	PV	83745	1212203	28.56%	9.856%
109	8.501	8.481	8.518	VV	1663	33135	0.78%	0.269%
110	8.534	8.518	8.546	VV	1379	21076	0.50%	0.171%
111	8.551	8.546	8.566	VV	1302	14727	0.35%	0.120%
112	8.586	8.566	8.627	VV	1925	46012	1.08%	0.374%
113	8.645	8.627	8.678	VV	1124	20252	0.48%	0.165%
114	8.697	8.678	8.723	VV	863	15383	0.36%	0.125%
115	8.766	8.723	8.785	VV	3340	51031	1.20%	0.415%
116	8.801	8.785	8.844	VV	1720	42341	1.00%	0.344%
117	8.880	8.844	8.927	VV	3903	77379	1.82%	0.629%
118	8.952	8.927	8.981	VV	1183	20419	0.48%	0.166%
119	9.001	8.981	9.026	VV	872	13477	0.32%	0.110%
120	9.080	9.026	9.124	VV	601	22784	0.54%	0.185%
121	9.167	9.124	9.198	VV	870	25075	0.59%	0.204%
122	9.228	9.198	9.271	VV	1760	32398	0.76%	0.263%
123	9.304	9.271	9.318	VV	440	9369	0.22%	0.076%
124	9.323	9.318	9.350	VV	310	4721	0.11%	0.038%
125	9.373	9.350	9.408	VV	746	13315	0.31%	0.108%
126	9.425	9.408	9.468	VV	566	12345	0.29%	0.100%
127	9.476	9.468	9.495	VV	303	3568	0.08%	0.029%
128	9.507	9.495	9.532	VV	178	2344	0.06%	0.019%
129	9.566	9.532	9.617	PV	488	11305	0.27%	0.092%
130	9.645	9.617	9.686	VV	1987	32290	0.76%	0.263%
131	9.721	9.686	9.759	VV	594	18046	0.43%	0.147%
132	9.783	9.759	9.802	VV	388	8332	0.20%	0.068%
133	9.813	9.802	9.838	VV	319	4736	0.11%	0.039%
134	9.918	9.838	9.930	VV	444	11302	0.27%	0.092%
135	9.958	9.930	9.980	VV	816	15126	0.36%	0.123%
136	10.034	9.980	10.051	VV	744	21639	0.51%	0.176%
137	10.071	10.051	10.094	VV	760	14812	0.35%	0.120%
138	10.119	10.094	10.134	VV	583	11848	0.28%	0.096%
139	10.148	10.134	10.169	VV	613	9368	0.22%	0.076%
140	10.197	10.169	10.210	VV	408	7410	0.17%	0.060%
141	10.239	10.210	10.254	VV	811	13714	0.32%	0.111%

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142	10.275	10.254	10.293	VV	755	13268	0.31%	0.108%
143	10.318	10.293	10.339	VV	892	18158	0.43%	0.148%
144	10.385	10.339	10.412	VV	1037	32097	0.76%	0.261%
145	10.432	10.412	10.446	VV	782	12623	0.30%	0.103%
146	10.461	10.446	10.476	VV	811	11870	0.28%	0.097%
147	10.503	10.476	10.563	VV	2173	48220	1.14%	0.392%
148	10.591	10.563	10.615	VV	588	13751	0.32%	0.112%
149	10.629	10.615	10.640	VV	368	4660	0.11%	0.038%
150	10.660	10.640	10.671	VV	467	7336	0.17%	0.060%
151	10.699	10.671	10.728	VV	574	15388	0.36%	0.125%
152	10.743	10.728	10.765	VV	501	9305	0.22%	0.076%
153	10.800	10.765	10.822	VV	1145	22727	0.54%	0.185%
154	10.832	10.822	10.855	VV	447	5817	0.14%	0.047%
155	10.870	10.855	10.914	VV	349	8757	0.21%	0.071%
156	10.928	10.914	10.936	VV	166	1956	0.05%	0.016%
157	10.940	10.936	10.949	VV	162	913	0.02%	0.007%
158	11.013	10.949	11.048	VV	1153	21502	0.51%	0.175%
159	11.082	11.048	11.135	VV	2836	48746	1.15%	0.396%
160	11.150	11.135	11.216	VV	523	14169	0.33%	0.115%
161	11.236	11.216	11.258	VV	297	4033	0.10%	0.033%
162	11.267	11.258	11.278	VV	116	1346	0.03%	0.011%
163	11.297	11.278	11.345	VV	229	5230	0.12%	0.043%
164	11.384	11.345	11.417	PV	2621	40796	0.96%	0.332%
165	11.427	11.417	11.446	VV	563	8852	0.21%	0.072%
166	11.466	11.446	11.508	VV	807	18380	0.43%	0.149%
167	11.547	11.508	11.615	VV	707	20528	0.48%	0.167%
168	11.669	11.615	11.684	VV	417	12897	0.30%	0.105%
169	11.735	11.684	11.771	VV	1049	36828	0.87%	0.299%
170	11.787	11.771	11.812	VV	666	11977	0.28%	0.097%
171	11.832	11.812	11.860	VV	498	11214	0.26%	0.091%
172	11.879	11.860	11.891	VV	615	9290	0.22%	0.076%
173	11.898	11.891	11.919	VV	629	8032	0.19%	0.065%
174	11.960	11.919	11.997	VV	1525	40504	0.95%	0.329%
175	12.020	11.997	12.041	VV	643	13466	0.32%	0.109%
176	12.054	12.041	12.098	VV	579	12352	0.29%	0.100%
177	12.152	12.098	12.175	VV	636	19478	0.46%	0.158%
178	12.247	12.175	12.287	VV	2783	62106	1.46%	0.505%
179	12.324	12.287	12.353	VV	1847	27628	0.65%	0.225%
180	12.384	12.353	12.434	VV	4454	63474	1.50%	0.516%
181	12.447	12.434	12.605	VV	440	16096	0.38%	0.131%
182	12.650	12.605	12.691	PV	367	11189	0.26%	0.091%
183	12.703	12.691	12.724	VV	314	4117	0.10%	0.033%
184	12.750	12.724	12.762	VV	374	5968	0.14%	0.049%
185	12.768	12.762	12.775	VV	308	2113	0.05%	0.017%
186	12.827	12.775	12.966	VV	340813	4244201	100.00%	34.507%
187	12.989	12.966	13.029	VV	930	28671	0.68%	0.233%
188	13.052	13.029	13.086	VV	811	22217	0.52%	0.181%
189	13.109	13.086	13.165	VV	500	20529	0.48%	0.167%
190	13.198	13.165	13.232	VV	744	21017	0.50%	0.171%
191	13.274	13.232	13.313	VV	842	28582	0.67%	0.232%
192	13.328	13.313	13.356	VV	402	7891	0.19%	0.064%
193	13.432	13.356	13.469	VV	477	22663	0.53%	0.184%
194	13.489	13.469	13.501	VV	362	6090	0.14%	0.050%

195	13.528	13.501	13.553	VV	1762	28666	0.68%	0.233%
196	13.580	13.553	13.655	VV	3925	64423	1.52%	0.524%
197	13.663	13.655	13.688	VV	181	1858	0.04%	0.015%
198	13.708	13.688	13.751	PV	160	3099	0.07%	0.025%
199	13.804	13.751	13.813	VV	175	3637	0.09%	0.030%
200	13.828	13.813	13.894	VV	254	8616	0.20%	0.070%
201	13.908	13.894	13.939	VV	216	4010	0.09%	0.033%
202	13.958	13.939	13.977	VV	183	2772	0.07%	0.023%
203	14.020	13.977	14.087	VV	1054	29828	0.70%	0.243%
204	14.142	14.087	14.187	VV	405	15861	0.37%	0.129%
205	14.222	14.187	14.232	VV	370	6851	0.16%	0.056%
206	14.277	14.232	14.366	VV	490	26397	0.62%	0.215%
207	14.396	14.366	14.414	VV	413	9775	0.23%	0.079%
208	14.450	14.414	14.471	VV	615	15498	0.37%	0.126%
209	14.486	14.471	14.515	VV	524	9757	0.23%	0.079%
210	14.550	14.515	14.563	VV	256	6152	0.14%	0.050%
211	14.568	14.563	14.575	VV	204	1129	0.03%	0.009%
212	14.637	14.575	14.657	VV	1524	28691	0.68%	0.233%
213	14.681	14.657	14.791	VV	3361	64959	1.53%	0.528%
214	14.802	14.791	14.830	VV	138	1553	0.04%	0.013%
215	14.851	14.830	14.924	PV	336	8469	0.20%	0.069%
216	14.943	14.924	14.967	VV	170	2563	0.06%	0.021%
217	14.992	14.967	15.008	VV	181	2195	0.05%	0.018%
218	15.104	15.008	15.153	PV	246	11658	0.27%	0.095%
219	15.167	15.153	15.181	VV	268	2983	0.07%	0.024%
220	15.202	15.181	15.242	VV	520	10186	0.24%	0.083%
221	15.258	15.242	15.278	VV	212	3478	0.08%	0.028%
222	15.307	15.278	15.324	VV	183	3534	0.08%	0.029%
223	15.393	15.324	15.451	VV	306	15677	0.37%	0.127%
224	15.548	15.451	15.627	VV	504	28695	0.68%	0.233%
225	15.661	15.627	15.677	VV	1226	18225	0.43%	0.148%
226	15.700	15.677	15.805	VV	2863	58756	1.38%	0.478%
227	15.808	15.805	15.838	VV	148	1371	0.03%	0.011%
228	15.874	15.838	15.902	VV	249	5215	0.12%	0.042%
229	15.914	15.902	15.924	VV	173	1896	0.04%	0.015%
230	15.939	15.924	15.959	VV	140	1811	0.04%	0.015%
231	15.988	15.959	16.025	PV	196	4698	0.11%	0.038%
232	16.060	16.025	16.095	VV	208	5298	0.12%	0.043%
233	16.142	16.095	16.151	VV	221	4302	0.10%	0.035%
234	16.184	16.151	16.203	VV	488	9876	0.23%	0.080%
235	16.226	16.203	16.238	VV	312	4640	0.11%	0.038%
236	16.364	16.238	16.391	VV	344	18434	0.43%	0.150%
237	16.413	16.391	16.464	VV	334	10167	0.24%	0.083%
238	16.486	16.464	16.512	VV	384	8134	0.19%	0.066%
239	16.565	16.512	16.587	VV	377	12451	0.29%	0.101%
240	16.614	16.587	16.625	VV	1125	15494	0.37%	0.126%
241	16.648	16.625	16.727	VV	2390	48989	1.15%	0.398%
242	16.754	16.727	16.788	VV	264	5686	0.13%	0.046%
243	16.796	16.788	16.845	VV	148	3753	0.09%	0.031%
244	16.855	16.845	16.883	VV	186	2377	0.06%	0.019%
245	16.942	16.883	16.996	VV	201	7259	0.17%	0.059%
246	17.034	16.996	17.051	PV	232	4427	0.10%	0.036%

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247	17.097	17.051	17.136	VV	1042	22005	0.52%	0.179%
248	17.206	17.136	17.224	VV	322	13275	0.31%	0.108%
249	17.241	17.224	17.261	VV	287	5383	0.13%	0.044%
250	17.294	17.261	17.326	VV	318	9770	0.23%	0.079%
251	17.336	17.326	17.397	VV	260	10292	0.24%	0.084%
252	17.417	17.397	17.438	VV	363	5939	0.14%	0.048%
253	17.532	17.438	17.591	VV	2639	74827	1.76%	0.608%
254	17.650	17.591	17.774	VV	508	28903	0.68%	0.235%
255	17.819	17.774	17.897	PV	242	9337	0.22%	0.076%
256	17.956	17.897	17.994	PV	1304	28153	0.66%	0.229%
257	18.013	17.994	18.057	VV	414	11385	0.27%	0.093%
258	18.091	18.057	18.115	VV	386	9908	0.23%	0.081%
259	18.213	18.115	18.291	VV	372	31406	0.74%	0.255%
260	18.363	18.291	18.461	VV	2439	66181	1.56%	0.538%
261	18.485	18.461	18.552	VV	433	14241	0.34%	0.116%
262	18.566	18.552	18.594	VV	243	4191	0.10%	0.034%
263	18.618	18.594	18.644	VV	166	3452	0.08%	0.028%
264	18.762	18.644	18.814	PV	1118	23018	0.54%	0.187%
265	18.836	18.814	18.854	VV	224	4168	0.10%	0.034%
266	18.867	18.854	18.891	VV	237	2719	0.06%	0.022%
267	18.939	18.891	18.983	PV	333	9411	0.22%	0.077%
268	19.147	18.983	19.224	VV	2061	65464	1.54%	0.532%
269	19.397	19.224	19.444	VV	593	47633	1.12%	0.387%
270	19.462	19.444	19.484	VV	486	8360	0.20%	0.068%
271	19.522	19.484	19.564	VV	900	24627	0.58%	0.200%
272	19.781	19.564	19.818	VV	1223	100111	2.36%	0.814%
273	19.884	19.818	19.921	VV	2015	77271	1.82%	0.628%
274	19.952	19.921	19.991	VV	1201	47247	1.11%	0.384%
275	20.415	19.991	20.490	VV	2368	467076	11.01%	3.798%
276	20.594	20.490	20.644	VV	3038	209609	4.94%	1.704%
277	20.738	20.644	20.804	VV	2255	210442	4.96%	1.711%
278	20.824	20.804	20.874	VV	2128	86302	2.03%	0.702%
279	20.921	20.874	20.968	VV	2007	106452	2.51%	0.865%
280	20.996	20.968	21.045	VV	1877	78657	1.85%	0.640%
281	21.237	21.045	21.264	VV	1650	205883	4.85%	1.674%
282	21.276	21.264	21.367	VV	1474	81274	1.91%	0.661%
283	21.438	21.367	21.510	VV	1615	108920	2.57%	0.886%
284	21.526	21.510	21.544	VV	1122	21792	0.51%	0.177%
285	21.562	21.544	21.580	VV	1002	20764	0.49%	0.169%
286	21.629	21.580	21.644	VV	945	35528	0.84%	0.289%
287	21.693	21.644	21.734	VV	867	44635	1.05%	0.363%
288	21.762	21.734	21.808	VV	726	28048	0.66%	0.228%
289	21.899	21.808	21.983	VV	474	42992	1.01%	0.350%
290	22.138	21.983	22.168	VV	146	19211	0.45%	0.156%

Sum of corrected areas: 12299564

Aliphatic EPH 032625.M Sat Mar 29 02:55:08 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015586.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.60	J	0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.78	J	0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.60		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.30	U	1.30	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.7		40 - 140	95%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-15	Acq On:	29 Mar 2025 00:19
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP\AJ
Data file:	FG015586.D	Misc:	
Instrument:	FID_G	ALS Vial:	82
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1107750	8.267	200	ug/ml
Aromatic C12-C16	6.330	9.039	1468990	10.711	300	ug/ml
Aromatic C16-C21	9.040	13.371	4994329	35.825	500	ug/ml
Aromatic C21-C36	13.372	18.837	2062024	15.838	800	ug/ml
Aromatic EPH	4.449	18.837	9633093	70.64		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	5830250	47.73		ug/ml
2-Flurobiphenyl (SURR)	8.841	8.841	3038736	36.76		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4135520	28.36		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015586.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 00:19
Operator : YP\AJ
Sample : Q1664-15
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Mar 29 03:16:34 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...	7.964	5830250	47.728 ug/ml
Spiked Amount 50.000		Recovery =	95.46%
6) S 2-Flurobiphenyl (SURR)	8.841	3038736	36.763 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	73.53%
11) S ortho-Terphenyl (SURR)	11.914	4135520	28.359 ug/ml
Spiked Amount 50.000		Recovery =	56.72%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

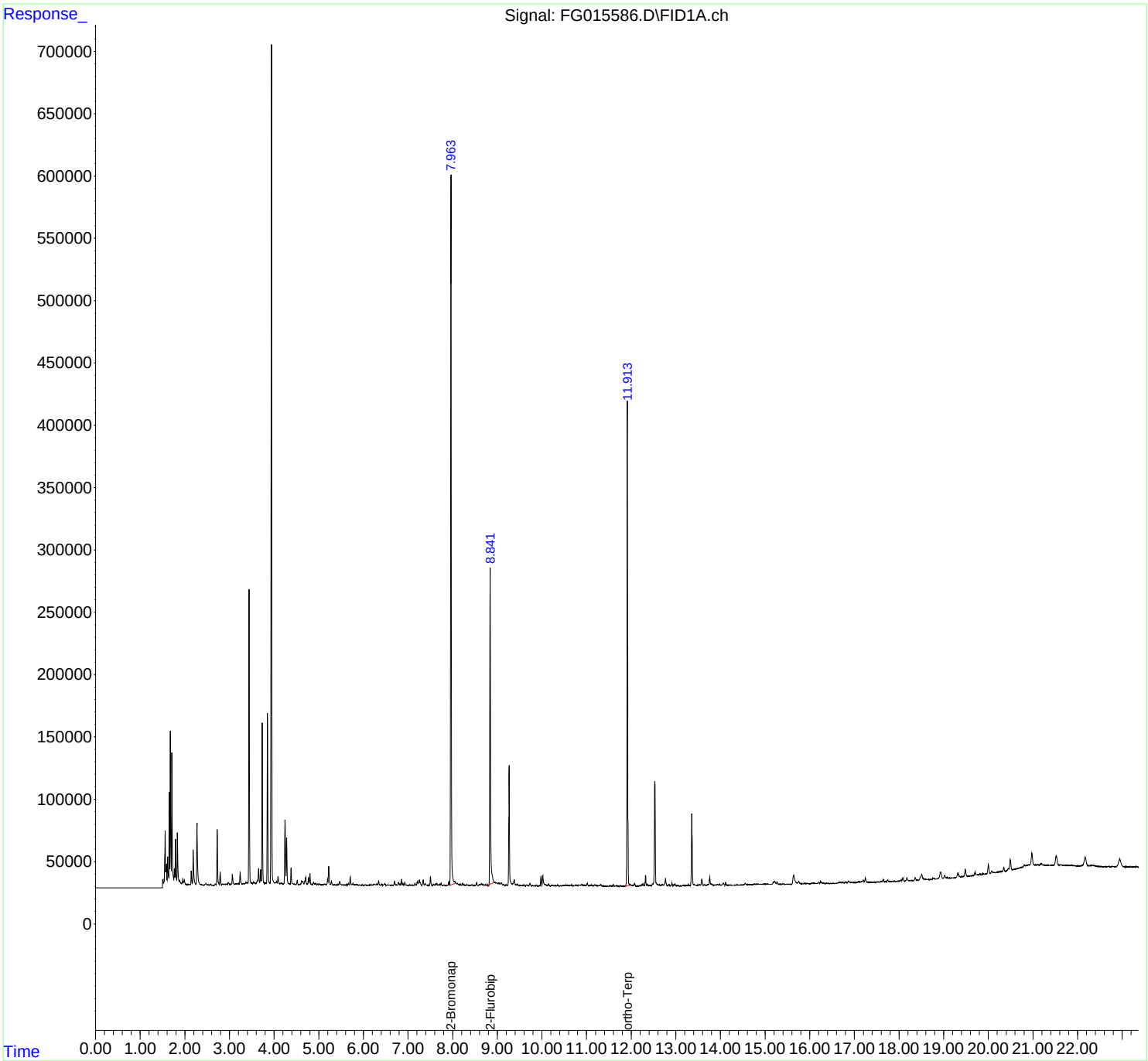
Quantitation Report (QT Reviewed)

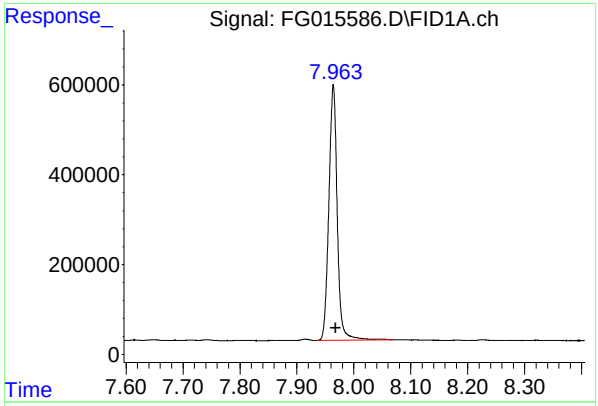
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015586.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 00:19
Operator : YP\AJ
Sample : Q1664-15
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Mar 29 03:16:34 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

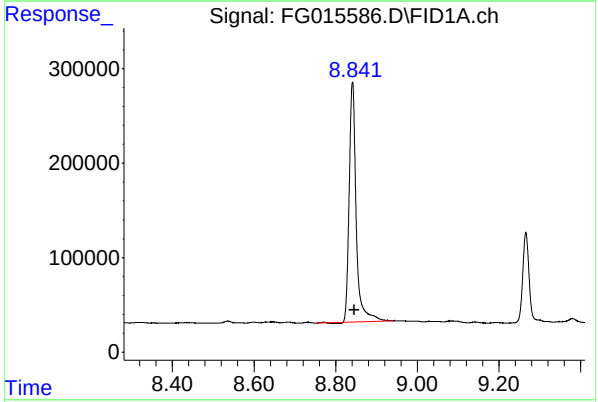




#4 2-Bromonaphthalene (SURR)

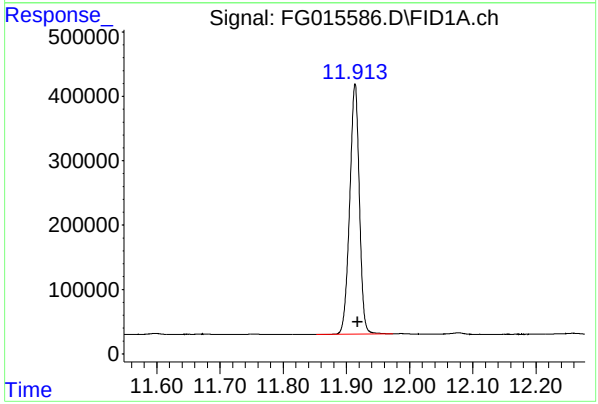
R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 5830250
Conc: 47.73 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-005-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.004 min
Response: 3038736
Conc: 36.76 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.004 min
Response: 4135520
Conc: 28.36 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015586.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 00:19
Sample : Q1664-15
Misc :
ALS Vial : 82 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	4.381	4.359	4.454	PV	13346	142616	2.43%	0.615%
2	4.460	4.454	4.497	VV	420	3867	0.07%	0.017%
3	4.518	4.497	4.574	PV	3452	40644	0.69%	0.175%
4	4.617	4.574	4.633	VV	2811	44976	0.77%	0.194%
5	4.645	4.633	4.670	VV	2660	37233	0.63%	0.161%
6	4.689	4.670	4.693	VV	3096	26588	0.45%	0.115%
7	4.708	4.693	4.730	VV	6084	72794	1.24%	0.314%
8	4.742	4.730	4.752	VV	762	7652	0.13%	0.033%
9	4.771	4.752	4.787	VV	5339	60274	1.03%	0.260%
10	4.804	4.787	4.860	VV	8996	107337	1.83%	0.463%
11	4.886	4.860	4.914	VV	2202	32803	0.56%	0.142%
12	4.932	4.914	4.965	VV	1363	22599	0.38%	0.097%
13	4.979	4.965	4.996	VV	970	11960	0.20%	0.052%
14	5.014	4.996	5.041	VV	1019	14174	0.24%	0.061%
15	5.073	5.041	5.087	VV	293	5960	0.10%	0.026%
16	5.105	5.087	5.111	VV	376	4111	0.07%	0.018%
17	5.136	5.111	5.169	VV	1001	19603	0.33%	0.085%
18	5.199	5.169	5.207	VV	4235	45070	0.77%	0.194%
19	5.224	5.207	5.263	VV	15038	196359	3.34%	0.847%
20	5.286	5.263	5.328	VV	3158	39819	0.68%	0.172%
21	5.343	5.328	5.381	VV	438	7375	0.13%	0.032%
22	5.432	5.404	5.449	VV	1019	10755	0.18%	0.046%
23	5.471	5.449	5.524	VV	2954	47844	0.81%	0.206%
24	5.526	5.524	5.571	VV	430	7363	0.13%	0.032%
25	5.576	5.571	5.599	VV	223	2306	0.04%	0.010%
26	5.625	5.599	5.641	VV	546	7149	0.12%	0.031%
27	5.664	5.641	5.683	VV	1407	17490	0.30%	0.075%
28	5.707	5.683	5.729	VV	6529	73149	1.25%	0.316%
29	5.739	5.729	5.752	VV	587	7278	0.12%	0.031%
30	5.768	5.752	5.793	VV	1683	20522	0.35%	0.089%
31	5.806	5.793	5.825	VV	482	6938	0.12%	0.030%
32	5.838	5.825	5.847	VV	681	6706	0.11%	0.029%
33	5.859	5.847	5.900	VV	624	9211	0.16%	0.040%
34	5.924	5.900	5.949	VV	477	6780	0.12%	0.029%
35	5.976	5.949	5.996	PV	742	9495	0.16%	0.041%
36	6.014	5.996	6.021	VV	209	2106	0.04%	0.009%

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37	6.044	6.021	6.079	VV	416	7317	0.12%	0.032%
38	6.098	6.079	6.123	PV	170	2581	0.04%	0.011%
39	6.152	6.123	6.157	VV	374	4854	0.08%	0.021%
40	6.161	6.157	6.168	VV	384	2283	0.04%	0.010%
41	6.180	6.168	6.211	VV	427	8297	0.14%	0.036%
42	6.245	6.211	6.280	VV	1040	26324	0.45%	0.114%
43	6.299	6.280	6.320	VV	1414	19804	0.34%	0.085%
44	6.343	6.320	6.386	VV	3651	47607	0.81%	0.205%
45	6.413	6.386	6.437	VV	1147	19169	0.33%	0.083%
46	6.481	6.437	6.513	VV	1372	31819	0.54%	0.137%
47	6.542	6.513	6.584	VV	541	15713	0.27%	0.068%
48	6.589	6.584	6.594	VV	356	1810	0.03%	0.008%
49	6.599	6.594	6.604	VV	338	1795	0.03%	0.008%
50	6.608	6.604	6.629	VV	312	3466	0.06%	0.015%
51	6.639	6.629	6.646	VV	255	2233	0.04%	0.010%
52	6.659	6.646	6.674	VV	336	4380	0.07%	0.019%
53	6.700	6.674	6.725	VV	3299	42880	0.73%	0.185%
54	6.738	6.725	6.754	VV	541	8197	0.14%	0.035%
55	6.759	6.754	6.763	VV	415	2096	0.04%	0.009%
56	6.787	6.763	6.808	VV	2534	35021	0.60%	0.151%
57	6.822	6.808	6.836	VV	1543	17513	0.30%	0.076%
58	6.854	6.836	6.874	VV	4661	52052	0.89%	0.225%
59	6.888	6.874	6.907	VV	1344	15450	0.26%	0.067%
60	6.929	6.907	6.947	VV	2528	28202	0.48%	0.122%
61	6.955	6.947	6.972	VV	476	5542	0.09%	0.024%
62	6.984	6.972	6.998	VV	324	3616	0.06%	0.016%
63	7.033	6.998	7.059	VV	513	10544	0.18%	0.045%
64	7.083	7.059	7.128	VV	747	14118	0.24%	0.061%
65	7.155	7.128	7.189	PV	2084	28088	0.48%	0.121%
66	7.211	7.189	7.227	VV	3447	45736	0.78%	0.197%
67	7.252	7.227	7.270	VV	4597	79305	1.35%	0.342%
68	7.275	7.270	7.308	VV	2669	30659	0.52%	0.132%
69	7.340	7.308	7.365	VV	4491	63499	1.08%	0.274%
70	7.388	7.365	7.413	VV	1854	27747	0.47%	0.120%
71	7.419	7.413	7.433	VV	499	5133	0.09%	0.022%
72	7.447	7.433	7.468	VV	684	9152	0.16%	0.039%
73	7.505	7.468	7.541	VV	7411	85299	1.45%	0.368%
74	7.567	7.541	7.580	VV	1204	15093	0.26%	0.065%
75	7.585	7.580	7.598	VV	900	6990	0.12%	0.030%
76	7.615	7.598	7.630	VV	1665	18675	0.32%	0.081%
77	7.648	7.630	7.670	VV	2082	28604	0.49%	0.123%
78	7.685	7.670	7.697	VV	891	10720	0.18%	0.046%
79	7.715	7.697	7.728	VV	1449	19161	0.33%	0.083%
80	7.742	7.728	7.774	VV	2242	25842	0.44%	0.111%
81	7.810	7.774	7.841	VV	626	12634	0.22%	0.055%
82	7.863	7.841	7.872	VV	408	4859	0.08%	0.021%
83	7.885	7.872	7.897	VV	475	5785	0.10%	0.025%
84	7.915	7.897	7.934	VV	3362	36407	0.62%	0.157%
85	7.964	7.934	8.036	VV	570256	5873609	100.00%	25.337%
86	8.049	8.036	8.100	VV	3681	97630	1.66%	0.421%
87	8.109	8.100	8.159	VV	1782	43582	0.74%	0.188%
88	8.181	8.159	8.204	VV	1290	24043	0.41%	0.104%
89	8.226	8.204	8.275	VV	2206	40807	0.69%	0.176%

90	8.282	8.275	8.295	VV	621	6189	0.11%	0.027%
91	8.320	8.295	8.347	VV	1068	21106	0.36%	0.091%
92	8.356	8.347	8.366	VV	452	4541	0.08%	0.020%
93	8.370	8.366	8.377	VV	385	2050	0.03%	0.009%
94	8.383	8.377	8.386	VV	347	1753	0.03%	0.008%
95	8.433	8.386	8.473	VV	872	24729	0.42%	0.107%
96	8.536	8.473	8.556	VV	2497	40921	0.70%	0.177%
97	8.567	8.556	8.579	VV	678	7787	0.13%	0.034%
98	8.601	8.579	8.615	VV	1293	18598	0.32%	0.080%
99	8.631	8.615	8.637	VV	1431	14936	0.25%	0.064%
100	8.644	8.637	8.666	VV	1590	22322	0.38%	0.096%
101	8.685	8.666	8.712	VV	1280	22203	0.38%	0.096%
102	8.731	8.712	8.754	VV	1209	16954	0.29%	0.073%
103	8.770	8.754	8.812	VV	1410	16099	0.27%	0.069%
104	8.841	8.812	8.955	VV	256436	3216335	54.76%	13.874%
105	8.965	8.955	8.982	VV	2817	42414	0.72%	0.183%
106	8.997	8.982	9.015	VV	2533	44231	0.75%	0.191%
107	9.028	9.015	9.042	VV	2241	33484	0.57%	0.144%
108	9.050	9.042	9.063	VV	2153	24363	0.41%	0.105%
109	9.083	9.063	9.127	VV	2627	70634	1.20%	0.305%
110	9.142	9.127	9.177	VV	1550	26843	0.46%	0.116%
111	9.193	9.177	9.218	VV	1073	18220	0.31%	0.079%
112	9.266	9.218	9.315	VV	96065	1084289	18.46%	4.677%
113	9.320	9.315	9.333	VV	2184	19761	0.34%	0.085%
114	9.347	9.333	9.351	VV	1908	19365	0.33%	0.084%
115	9.380	9.351	9.411	VV	5317	100576	1.71%	0.434%
116	9.423	9.411	9.436	VV	1177	15470	0.26%	0.067%
117	9.452	9.436	9.479	VV	1618	24273	0.41%	0.105%
118	9.502	9.479	9.529	VV	963	14124	0.24%	0.061%
119	9.554	9.529	9.570	VV	437	7960	0.14%	0.034%
120	9.587	9.570	9.627	VV	997	18824	0.32%	0.081%
121	9.652	9.627	9.662	VV	927	11494	0.20%	0.050%
122	9.668	9.662	9.689	VV	902	10021	0.17%	0.043%
123	9.732	9.689	9.779	VV	2150	41748	0.71%	0.180%
124	9.807	9.779	9.821	VV	475	7373	0.13%	0.032%
125	9.830	9.821	9.848	VV	359	4512	0.08%	0.019%
126	9.873	9.848	9.900	VV	1066	14095	0.24%	0.061%
127	9.906	9.900	9.919	VV	181	1221	0.02%	0.005%
128	9.943	9.919	9.955	VV	478	6517	0.11%	0.028%
129	9.981	9.955	10.001	VV	7925	92686	1.58%	0.400%
130	10.021	10.001	10.107	VV	8516	167227	2.85%	0.721%
131	10.112	10.107	10.126	VV	662	6773	0.12%	0.029%
132	10.149	10.126	10.186	VV	1854	29062	0.49%	0.125%
133	10.225	10.186	10.285	VV	799	28720	0.49%	0.124%
134	10.298	10.285	10.309	VV	472	5359	0.09%	0.023%
135	10.318	10.309	10.332	VV	471	5236	0.09%	0.023%
136	10.351	10.332	10.397	VV	1177	19521	0.33%	0.084%
137	10.430	10.397	10.443	VV	458	8191	0.14%	0.035%
138	10.470	10.443	10.509	VV	905	23127	0.39%	0.100%
139	10.519	10.509	10.527	VV	580	5712	0.10%	0.025%
140	10.545	10.527	10.559	VV	961	13815	0.24%	0.060%
141	10.577	10.559	10.602	VV	1098	19501	0.33%	0.084%

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142	10.617	10.602	10.622	VV	648	6823	0.12%	0.029%
143	10.626	10.622	10.650	VV	655	8745	0.15%	0.038%
144	10.666	10.650	10.695	VV	1452	19272	0.33%	0.083%
145	10.711	10.695	10.725	VV	491	6549	0.11%	0.028%
146	10.753	10.725	10.764	VV	1012	15795	0.27%	0.068%
147	10.778	10.764	10.803	VV	994	18562	0.32%	0.080%
148	10.823	10.803	10.832	VV	1174	16112	0.27%	0.070%
149	10.834	10.832	10.857	VV	1174	14488	0.25%	0.062%
150	10.888	10.857	10.928	VV	1458	42482	0.72%	0.183%
151	10.946	10.928	10.964	VV	1039	15602	0.27%	0.067%
152	10.975	10.964	10.990	VV	725	10610	0.18%	0.046%
153	11.019	10.990	11.056	VV	2610	48029	0.82%	0.207%
154	11.108	11.056	11.156	VV	1210	37083	0.63%	0.160%
155	11.177	11.156	11.195	VV	1315	20891	0.36%	0.090%
156	11.205	11.195	11.247	VV	943	21041	0.36%	0.091%
157	11.262	11.247	11.274	VV	626	8216	0.14%	0.035%
158	11.289	11.274	11.297	VV	712	8742	0.15%	0.038%
159	11.317	11.297	11.339	VV	1525	23725	0.40%	0.102%
160	11.348	11.339	11.369	VV	660	7528	0.13%	0.032%
161	11.382	11.369	11.419	VV	350	6649	0.11%	0.029%
162	11.422	11.419	11.437	VV	179	1331	0.02%	0.006%
163	11.457	11.437	11.492	VV	165	2582	0.04%	0.011%
164	11.528	11.492	11.555	PV	768	10631	0.18%	0.046%
165	11.598	11.555	11.625	VV	1636	25137	0.43%	0.108%
166	11.646	11.625	11.657	VV	471	5618	0.10%	0.024%
167	11.672	11.657	11.725	VV	911	16373	0.28%	0.071%
168	11.753	11.725	11.775	PV	827	10015	0.17%	0.043%
169	11.792	11.775	11.813	VV	311	4653	0.08%	0.020%
170	11.820	11.813	11.854	VV	227	3333	0.06%	0.014%
171	11.914	11.854	11.974	PV	389843	4176294	71.10%	18.015%
172	11.986	11.974	12.027	VV	1463	33003	0.56%	0.142%
173	12.033	12.027	12.045	VV	736	7510	0.13%	0.032%
174	12.077	12.045	12.105	VV	2501	44311	0.75%	0.191%
175	12.110	12.105	12.136	VV	359	4888	0.08%	0.021%
176	12.154	12.136	12.161	VV	384	4556	0.08%	0.020%
177	12.168	12.161	12.175	VV	425	3100	0.05%	0.013%
178	12.201	12.175	12.210	VV	556	9078	0.15%	0.039%
179	12.259	12.210	12.284	VV	1843	47727	0.81%	0.206%
180	12.289	12.284	12.294	VV	646	3708	0.06%	0.016%
181	12.321	12.294	12.346	VV	8673	113760	1.94%	0.491%
182	12.361	12.346	12.389	VV	1619	25608	0.44%	0.110%
183	12.402	12.389	12.414	VV	731	9212	0.16%	0.040%
184	12.424	12.414	12.446	VV	706	10680	0.18%	0.046%
185	12.486	12.446	12.497	VV	2046	41627	0.71%	0.180%
186	12.530	12.497	12.613	VV	83362	1150216	19.58%	4.962%
187	12.626	12.613	12.634	VV	978	11465	0.20%	0.049%
188	12.638	12.634	12.659	VV	971	13402	0.23%	0.058%
189	12.683	12.659	12.730	VV	1159	39462	0.67%	0.170%
190	12.769	12.730	12.801	VV	6216	106098	1.81%	0.458%
191	12.807	12.801	12.822	VV	475	4752	0.08%	0.020%
192	12.848	12.822	12.885	VV	1452	27186	0.46%	0.117%
193	12.911	12.885	12.940	VV	2347	34446	0.59%	0.149%
194	12.944	12.940	12.951	VV	503	2665	0.05%	0.011%

195	12.977	12.951	13.045	VV	1758	37865	0.64%	0.163%
196	13.051	13.045	13.070	VV	309	3212	0.05%	0.014%
197	13.075	13.070	13.094	VV	159	1343	0.02%	0.006%
198	13.170	13.094	13.176	PV	537	8886	0.15%	0.038%
199	13.184	13.176	13.219	VV	564	10642	0.18%	0.046%
200	13.229	13.219	13.234	VV	405	2880	0.05%	0.012%
201	13.241	13.234	13.248	VV	365	2451	0.04%	0.011%
202	13.278	13.248	13.322	VV	977	23060	0.39%	0.099%
203	13.357	13.322	13.438	VV	58112	752300	12.81%	3.245%
204	13.443	13.438	13.502	VV	592	20059	0.34%	0.087%
205	13.522	13.502	13.544	VV	896	17910	0.30%	0.077%
206	13.548	13.544	13.555	VV	704	3798	0.06%	0.016%
207	13.580	13.555	13.619	VV	5500	83652	1.42%	0.361%
208	13.647	13.619	13.684	VV	666	18898	0.32%	0.082%
209	13.757	13.684	13.785	VV	7043	113739	1.94%	0.491%
210	13.794	13.785	13.807	VV	1203	15013	0.26%	0.065%
211	13.812	13.807	13.840	VV	1194	15388	0.26%	0.066%
212	13.862	13.840	13.885	VV	523	11323	0.19%	0.049%
213	13.903	13.885	13.917	VV	576	9173	0.16%	0.040%
214	13.933	13.917	13.954	VV	1053	16274	0.28%	0.070%
215	13.982	13.954	14.005	VV	909	19106	0.33%	0.082%
216	14.026	14.005	14.038	VV	576	9484	0.16%	0.041%
217	14.062	14.038	14.089	VV	2062	34995	0.60%	0.151%
218	14.114	14.089	14.192	VV	2222	38269	0.65%	0.165%
219	14.224	14.192	14.232	VV	364	6273	0.11%	0.027%
220	14.235	14.232	14.260	VV	306	2877	0.05%	0.012%
221	14.333	14.304	14.349	PV	335	5133	0.09%	0.022%
222	14.375	14.349	14.397	VV	287	6763	0.12%	0.029%
223	14.408	14.397	14.430	VV	287	3472	0.06%	0.015%
224	14.451	14.430	14.465	VV	346	5111	0.09%	0.022%
225	14.552	14.465	14.594	VV	1616	44817	0.76%	0.193%
226	14.603	14.594	14.629	VV	538	9245	0.16%	0.040%
227	14.638	14.629	14.659	VV	438	6564	0.11%	0.028%
228	14.680	14.659	14.712	VV	641	13792	0.23%	0.059%
229	14.719	14.712	14.724	VV	293	1923	0.03%	0.008%
230	14.752	14.724	14.769	VV	832	15901	0.27%	0.069%
231	14.778	14.769	14.800	VV	731	12120	0.21%	0.052%
232	14.843	14.800	14.870	VV	850	26925	0.46%	0.116%
233	14.886	14.870	14.901	VV	552	9007	0.15%	0.039%
234	14.933	14.901	14.954	VV	615	13964	0.24%	0.060%
235	14.993	14.954	15.013	VV	749	20206	0.34%	0.087%
236	15.030	15.013	15.047	VV	683	11764	0.20%	0.051%
237	15.060	15.047	15.099	VV	792	15346	0.26%	0.066%
238	15.115	15.099	15.132	VV	290	5331	0.09%	0.023%
239	15.197	15.132	15.203	VV	2166	47012	0.80%	0.203%
240	15.220	15.203	15.244	VV	2552	42837	0.73%	0.185%
241	15.267	15.244	15.335	VV	2400	44221	0.75%	0.191%
242	15.360	15.335	15.371	VV	367	6133	0.10%	0.026%
243	15.389	15.371	15.405	VV	618	8630	0.15%	0.037%
244	15.412	15.405	15.416	VV	297	1773	0.03%	0.008%
245	15.424	15.416	15.441	VV	317	3320	0.06%	0.014%
246	15.463	15.441	15.478	VV	139	2636	0.04%	0.011%

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247	15.483	15.478	15.505	VV	145	1520	0.03%	0.007%
248	15.527	15.505	15.564	VV	264	4306	0.07%	0.019%
249	15.587	15.564	15.594	PV	189	1945	0.03%	0.008%
250	15.637	15.594	15.720	VV	7183	231929	3.95%	1.000%
251	15.756	15.720	15.789	VV	1982	52458	0.89%	0.226%
252	15.795	15.789	15.844	VV	531	12781	0.22%	0.055%
253	15.883	15.844	15.934	VV	539	21254	0.36%	0.092%
254	15.951	15.934	16.007	VV	591	15495	0.26%	0.067%
255	16.064	16.007	16.075	VV	579	15767	0.27%	0.068%
256	16.099	16.075	16.137	VV	625	17340	0.30%	0.075%
257	16.163	16.137	16.182	VV	441	10089	0.17%	0.044%
258	16.205	16.182	16.222	VV	1031	16131	0.27%	0.070%
259	16.243	16.222	16.273	VV	1899	33038	0.56%	0.143%
260	16.298	16.273	16.360	VV	661	19549	0.33%	0.084%
261	16.383	16.360	16.409	VV	369	5847	0.10%	0.025%
262	16.440	16.409	16.489	PV	175	5008	0.09%	0.022%
263	16.533	16.511	16.567	VV	202	2712	0.05%	0.012%
264	16.684	16.567	16.707	PV	827	30136	0.51%	0.130%
265	16.730	16.707	16.779	VV	805	22913	0.39%	0.099%
266	16.811	16.779	16.844	VV	1074	22820	0.39%	0.098%
267	16.868	16.844	16.918	VV	1351	33772	0.57%	0.146%
268	16.942	16.918	17.010	VV	519	21565	0.37%	0.093%
269	17.018	17.010	17.042	VV	325	5547	0.09%	0.024%
270	17.087	17.042	17.109	VV	961	21647	0.37%	0.093%
271	17.163	17.109	17.175	VV	1190	27441	0.47%	0.118%
272	17.196	17.175	17.220	VV	2125	35968	0.61%	0.155%
273	17.244	17.220	17.369	VV	3381	68351	1.16%	0.295%
274	17.387	17.369	17.410	VV	234	3124	0.05%	0.013%
275	17.464	17.434	17.477	PV	132	1413	0.02%	0.006%
276	17.531	17.477	17.568	VV	358	8594	0.15%	0.037%
277	17.647	17.568	17.703	VV	1826	42104	0.72%	0.182%
278	17.745	17.703	17.782	VV	1407	27241	0.46%	0.118%
279	17.798	17.782	17.808	VV	115	1390	0.02%	0.006%
280	17.898	17.808	17.969	VV	326	16384	0.28%	0.071%
281	18.053	17.984	18.065	VV	1074	20911	0.36%	0.090%
282	18.086	18.065	18.142	VV	3027	47069	0.80%	0.203%
283	18.176	18.142	18.243	VV	2553	48628	0.83%	0.210%
284	18.261	18.243	18.290	VV	337	6706	0.11%	0.029%
285	18.312	18.290	18.332	PV	259	3820	0.07%	0.016%
286	18.361	18.332	18.390	VV	2481	41426	0.71%	0.179%
287	18.407	18.390	18.430	VV	531	6669	0.11%	0.029%
288	18.508	18.430	18.595	VV	4569	167027	2.84%	0.720%
289	18.607	18.595	18.689	VV	599	15860	0.27%	0.068%
290	18.760	18.689	18.832	PV	765	26152	0.45%	0.113%
291	18.934	18.832	18.985	VV	5191	140250	2.39%	0.605%

Sum of corrected areas: 23182198

Aromatic EPH 031725.M Sat Mar 29 04:49:36 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-16	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 22:19	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.19	J	1	8.28	30.0	ug/l	FC068479.D
Aliphatic C12-C16	Aliphatic C12-C16	23.6		1	13.5	20.0	ug/l	FC068479.D
Aliphatic C16-C21	Aliphatic C16-C21	9.01	J	1	8.34	30.0	ug/l	FC068479.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068479.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068479.D
Aromatic C10-C12	Aromatic C10-C12	17.9	J	1	2.07	20.0	ug/l	FG015605.D
Aromatic C12-C16	Aromatic C12-C16	23.8	J	1	4.26	30.0	ug/l	FG015605.D
Aromatic C16-C21	Aromatic C16-C21	181		1	8.27	50.0	ug/l	FG015605.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015605.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	223			38.4	180	ug/l	
Total EPH	Total EPH	262	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-005-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-16		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068479.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.19	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	23.6		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	9.01	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-16	Acq On:	01 Apr 2025 22:19
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP/AJ
Data file:	FC068479.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	502047	3.093	300	ug/ml
Aliphatic C12-C16	6.360	9.742	1984739	11.8	200	ug/ml
Aliphatic C16-C21	9.743	13.096	772231	4.503	300	ug/ml
Aliphatic C21-C28	13.097	16.749	545814	3.232	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2042778	15.001	600	ug/ml
Aliphatic EPH	3.097	21.544	5847609	37.629		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	7259966	48.7		ug/ml
Aliphatic C9-C28	3.097	16.749	3804831	22.628	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068479.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:19
Operator : YP/AJ
Sample : Q1664-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	7259966	48.700 ug/ml
Spiked Amount 50.000		Recovery = 97.40%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

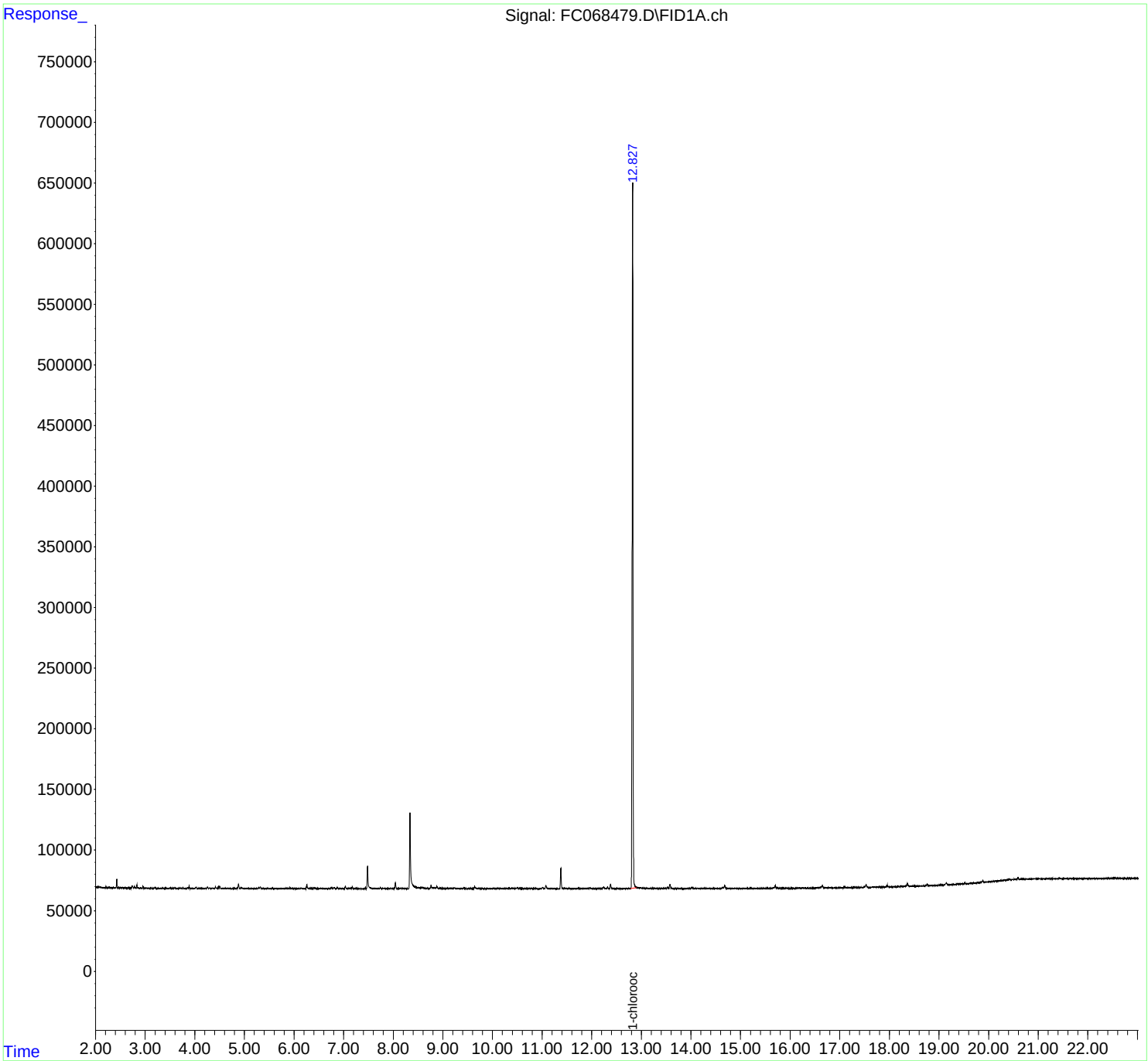
Quantitation Report (QT Reviewed)

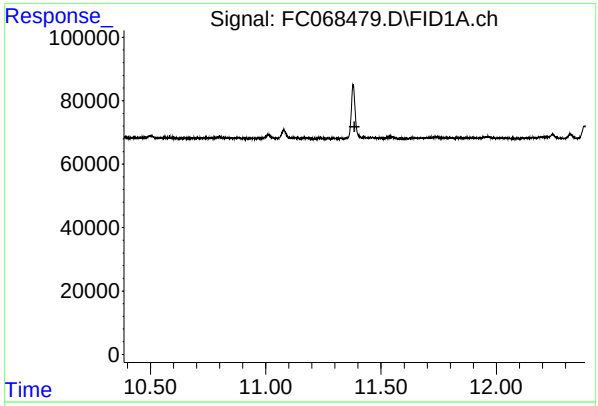
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068479.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:19
Operator : YP/AJ
Sample : Q1664-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

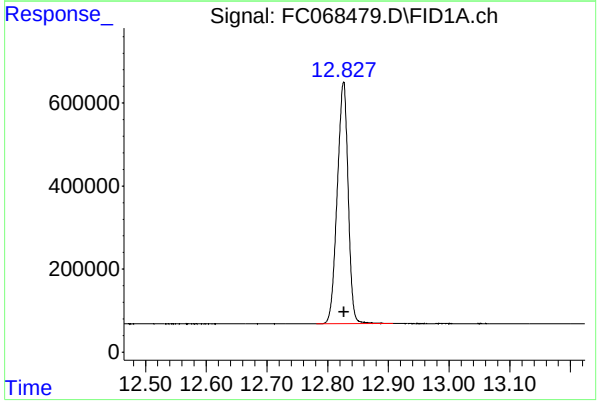




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-005-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 7259966
Conc: 48.70 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068479.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:19
Sample : Q1664-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.355	2.304	2.399	BV	543	5400	0.07%	0.040%
2	2.427	2.399	2.454	PV	7214	56091	0.77%	0.415%
3	2.467	2.454	2.534	VV	678	9331	0.13%	0.069%
4	2.551	2.534	2.574	PV	259	2714	0.04%	0.020%
5	2.587	2.574	2.625	VV	255	2982	0.04%	0.022%
6	2.652	2.625	2.699	VV	533	7637	0.10%	0.057%
7	2.710	2.699	2.717	VV	102	816	0.01%	0.006%
8	2.738	2.717	2.766	VV	1967	28929	0.39%	0.214%
9	2.783	2.766	2.810	VV	1594	15999	0.22%	0.118%
10	2.833	2.810	2.869	VV	2782	26548	0.36%	0.197%
11	2.909	2.869	2.934	VV	287	4969	0.07%	0.037%
12	2.955	2.934	3.003	VV	1706	18628	0.25%	0.138%
13	3.019	3.003	3.040	VV	173	2108	0.03%	0.016%
14	3.052	3.040	3.081	VV	119	1914	0.03%	0.014%
15	3.083	3.081	3.151	VV	88	1901	0.03%	0.014%
16	3.158	3.151	3.178	PV	72	984	0.01%	0.007%
17	3.200	3.178	3.281	VV	716	10456	0.14%	0.077%
18	3.299	3.281	3.338	PV	146	2505	0.03%	0.019%
19	3.356	3.338	3.382	VV	303	3725	0.05%	0.028%
20	3.399	3.382	3.411	VV	148	1559	0.02%	0.012%
21	3.421	3.411	3.441	VV	181	1968	0.03%	0.015%
22	3.491	3.441	3.504	VV	280	5165	0.07%	0.038%
23	3.518	3.504	3.548	VV	404	4501	0.06%	0.033%
24	3.564	3.548	3.577	VV	276	2636	0.04%	0.020%
25	3.594	3.577	3.648	VV	360	8060	0.11%	0.060%
26	3.660	3.648	3.670	PV	91	600	0.01%	0.004%
27	3.695	3.670	3.740	VV	309	7623	0.10%	0.056%
28	3.764	3.740	3.825	VV	525	7767	0.11%	0.058%
29	3.857	3.825	3.869	PV	754	7922	0.11%	0.059%
30	3.885	3.869	3.936	VV	1538	18073	0.25%	0.134%
31	3.951	3.936	3.970	VV	250	3179	0.04%	0.024%
32	4.029	3.970	4.054	VV	1143	19704	0.27%	0.146%
33	4.060	4.054	4.121	VV	182	4525	0.06%	0.034%
34	4.126	4.121	4.168	VV	91	2305	0.03%	0.017%
35	4.181	4.168	4.206	VV	146	2497	0.03%	0.018%
36	4.218	4.206	4.238	VV	210	2641	0.04%	0.020%

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37	4.255	4.238	4.281	VV	1336	16717	0.23%	0.124%
38	4.296	4.281	4.339	VV	413	7203	0.10%	0.053%
39	4.364	4.339	4.386	VV	514	7709	0.11%	0.057%
40	4.419	4.386	4.439	VV	1358	17691	0.24%	0.131%
41	4.475	4.439	4.488	VV	1171	15514	0.21%	0.115%
42	4.504	4.488	4.558	VV	1968	24521	0.33%	0.182%
43	4.567	4.558	4.591	VV	205	2479	0.03%	0.018%
44	4.618	4.591	4.674	VV	260	8638	0.12%	0.064%
45	4.692	4.674	4.747	VV	252	5786	0.08%	0.043%
46	4.799	4.747	4.833	PV	273	6220	0.08%	0.046%
47	4.880	4.833	4.914	VV	3696	55896	0.76%	0.414%
48	4.936	4.914	4.952	VV	875	11601	0.16%	0.086%
49	4.963	4.952	5.027	VV	323	7054	0.10%	0.052%
50	5.042	5.027	5.064	VV	178	3130	0.04%	0.023%
51	5.078	5.064	5.122	VV	275	4126	0.06%	0.031%
52	5.163	5.122	5.219	VV	254	7343	0.10%	0.054%
53	5.248	5.219	5.264	VV	171	2989	0.04%	0.022%
54	5.284	5.264	5.300	VV	919	10829	0.15%	0.080%
55	5.321	5.300	5.345	VV	1594	19824	0.27%	0.147%
56	5.379	5.345	5.427	VV	352	6737	0.09%	0.050%
57	5.471	5.427	5.488	VV	255	5626	0.08%	0.042%
58	5.524	5.488	5.542	VV	116	1345	0.02%	0.010%
59	5.569	5.542	5.595	PV	313	5244	0.07%	0.039%
60	5.612	5.595	5.634	VV	221	3604	0.05%	0.027%
61	5.649	5.634	5.709	VV	183	4474	0.06%	0.033%
62	5.734	5.709	5.761	VV	555	6916	0.09%	0.051%
63	5.780	5.761	5.814	VV	129	3343	0.05%	0.025%
64	5.833	5.814	5.860	VV	435	7997	0.11%	0.059%
65	5.878	5.860	5.900	VV	460	6497	0.09%	0.048%
66	5.918	5.900	5.957	VV	829	11992	0.16%	0.089%
67	5.979	5.957	6.004	VV	420	5973	0.08%	0.044%
68	6.050	6.004	6.124	VV	458	12042	0.16%	0.089%
69	6.149	6.124	6.218	VV	671	11247	0.15%	0.083%
70	6.259	6.218	6.324	VV	3536	48329	0.66%	0.358%
71	6.340	6.324	6.361	VV	621	7016	0.10%	0.052%
72	6.375	6.361	6.388	VV	371	4836	0.07%	0.036%
73	6.406	6.388	6.426	VV	1225	14114	0.19%	0.105%
74	6.440	6.426	6.460	VV	436	5083	0.07%	0.038%
75	6.478	6.460	6.512	VV	560	7566	0.10%	0.056%
76	6.526	6.512	6.557	VV	139	2260	0.03%	0.017%
77	6.570	6.557	6.628	VV	157	4477	0.06%	0.033%
78	6.645	6.628	6.671	VV	221	3332	0.05%	0.025%
79	6.696	6.671	6.723	VV	563	7679	0.10%	0.057%
80	6.749	6.723	6.786	VV	698	15334	0.21%	0.114%
81	6.813	6.786	6.845	VV	724	15351	0.21%	0.114%
82	6.876	6.845	6.900	VV	1132	17127	0.23%	0.127%
83	6.917	6.900	6.936	VV	313	3845	0.05%	0.028%
84	6.956	6.936	6.967	VV	332	3573	0.05%	0.026%
85	6.977	6.967	7.006	VV	307	4389	0.06%	0.032%
86	7.036	7.006	7.065	VV	2237	26918	0.37%	0.199%
87	7.098	7.065	7.131	VV	358	9692	0.13%	0.072%
88	7.143	7.131	7.161	VV	505	6444	0.09%	0.048%
89	7.177	7.161	7.224	VV	1345	20353	0.28%	0.151%

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90	7.237	7.224	7.253	VV	318	4594	0.06%	0.034%
91	7.267	7.253	7.294	VV	506	6301	0.09%	0.047%
92	7.338	7.294	7.413	PV	176	6123	0.08%	0.045%
93	7.436	7.413	7.457	VV	871	10307	0.14%	0.076%
94	7.483	7.457	7.584	VV	18849	249434	3.40%	1.847%
95	7.598	7.584	7.674	VV	503	16663	0.23%	0.123%
96	7.696	7.674	7.719	VV	333	6071	0.08%	0.045%
97	7.741	7.719	7.774	VV	902	12643	0.17%	0.094%
98	7.797	7.774	7.824	VV	814	11279	0.15%	0.084%
99	7.835	7.824	7.881	VV	261	7033	0.10%	0.052%
100	7.900	7.881	7.926	VV	304	4456	0.06%	0.033%
101	7.951	7.926	7.994	VV	748	13578	0.19%	0.101%
102	8.044	7.994	8.119	VV	5151	76049	1.04%	0.563%
103	8.139	8.119	8.181	VV	605	15604	0.21%	0.116%
104	8.192	8.181	8.218	VV	534	6741	0.09%	0.050%
105	8.236	8.218	8.261	VV	404	6203	0.08%	0.046%
106	8.276	8.261	8.299	VV	556	6559	0.09%	0.049%
107	8.338	8.299	8.484	PV	62540	926263	12.64%	6.859%
108	8.495	8.484	8.520	VV	1184	22394	0.31%	0.166%
109	8.532	8.520	8.564	VV	1000	23898	0.33%	0.177%
110	8.583	8.564	8.628	VV	1081	30902	0.42%	0.229%
111	8.644	8.628	8.678	VV	641	14661	0.20%	0.109%
112	8.693	8.678	8.711	VV	552	8975	0.12%	0.066%
113	8.728	8.711	8.741	VV	475	6906	0.09%	0.051%
114	8.764	8.741	8.787	VV	3164	43600	0.60%	0.323%
115	8.798	8.787	8.828	VV	988	19490	0.27%	0.144%
116	8.837	8.828	8.849	VV	732	9453	0.13%	0.070%
117	8.877	8.849	8.934	VV	2042	47260	0.65%	0.350%
118	8.948	8.934	8.984	VV	681	13825	0.19%	0.102%
119	8.999	8.984	9.034	VV	659	11738	0.16%	0.087%
120	9.046	9.034	9.058	VV	341	4252	0.06%	0.031%
121	9.081	9.058	9.123	VV	402	13697	0.19%	0.101%
122	9.158	9.123	9.208	VV	650	21369	0.29%	0.158%
123	9.227	9.208	9.270	VV	977	18516	0.25%	0.137%
124	9.282	9.270	9.287	VV	358	3378	0.05%	0.025%
125	9.300	9.287	9.337	VV	401	8437	0.12%	0.062%
126	9.372	9.337	9.395	VV	548	11846	0.16%	0.088%
127	9.421	9.395	9.488	VV	748	20287	0.28%	0.150%
128	9.511	9.488	9.537	VV	302	5047	0.07%	0.037%
129	9.564	9.537	9.617	VV	478	14890	0.20%	0.110%
130	9.642	9.617	9.693	VV	1801	34040	0.46%	0.252%
131	9.710	9.693	9.800	VV	366	17604	0.24%	0.130%
132	9.810	9.800	9.827	VV	257	2629	0.04%	0.019%
133	9.839	9.827	9.873	VV	135	2981	0.04%	0.022%
134	9.888	9.873	9.899	VV	209	2183	0.03%	0.016%
135	9.955	9.899	9.978	VV	335	9268	0.13%	0.069%
136	9.985	9.978	9.992	VV	234	1940	0.03%	0.014%
137	10.032	9.992	10.051	VV	457	10588	0.14%	0.078%
138	10.064	10.051	10.094	VV	495	8072	0.11%	0.060%
139	10.144	10.094	10.199	VV	330	14173	0.19%	0.105%
140	10.237	10.199	10.250	VV	413	8677	0.12%	0.064%
141	10.273	10.250	10.294	VV	406	7681	0.10%	0.057%

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142	10.317	10.294	10.341	VV	572	10168	0.14%	0.075%
143	10.380	10.341	10.410	VV	622	16995	0.23%	0.126%
144	10.429	10.410	10.446	VV	414	7107	0.10%	0.053%
145	10.501	10.446	10.624	VV	1008	40815	0.56%	0.302%
146	10.635	10.624	10.644	VV	172	1739	0.02%	0.013%
147	10.658	10.644	10.674	VV	178	2983	0.04%	0.022%
148	10.702	10.674	10.734	VV	316	7775	0.11%	0.058%
149	10.741	10.734	10.752	VV	243	2499	0.03%	0.019%
150	10.799	10.752	10.818	VV	567	12266	0.17%	0.091%
151	10.833	10.818	10.861	VV	255	6153	0.08%	0.046%
152	10.880	10.861	10.920	VV	366	6761	0.09%	0.050%
153	10.935	10.920	10.944	VV	147	1552	0.02%	0.011%
154	10.955	10.944	10.987	VV	145	3538	0.05%	0.026%
155	11.009	10.987	11.050	VV	1296	21285	0.29%	0.158%
156	11.078	11.050	11.157	VV	2726	47969	0.65%	0.355%
157	11.171	11.157	11.217	VV	338	5997	0.08%	0.044%
158	11.233	11.217	11.250	VV	285	3399	0.05%	0.025%
159	11.261	11.250	11.269	VV	163	1233	0.02%	0.009%
160	11.275	11.269	11.298	VV	114	1579	0.02%	0.012%
161	11.325	11.298	11.335	VV	161	2311	0.03%	0.017%
162	11.379	11.335	11.514	PV	17067	218152	2.98%	1.615%
163	11.538	11.514	11.578	VV	583	12018	0.16%	0.089%
164	11.589	11.578	11.617	VV	128	1970	0.03%	0.015%
165	11.640	11.617	11.658	VV	200	3733	0.05%	0.028%
166	11.741	11.658	11.773	VV	532	22238	0.30%	0.165%
167	11.786	11.773	11.824	VV	316	7906	0.11%	0.059%
168	11.831	11.824	11.855	VV	327	4211	0.06%	0.031%
169	11.879	11.855	11.890	VV	344	5861	0.08%	0.043%
170	11.898	11.890	11.928	VV	367	5308	0.07%	0.039%
171	11.960	11.928	11.998	VV	678	15611	0.21%	0.116%
172	12.023	11.998	12.032	VV	273	3738	0.05%	0.028%
173	12.037	12.032	12.061	VV	209	2634	0.04%	0.020%
174	12.071	12.061	12.095	VV	180	1872	0.03%	0.014%
175	12.125	12.095	12.133	VV	214	3418	0.05%	0.025%
176	12.159	12.133	12.171	VV	253	5849	0.08%	0.043%
177	12.192	12.171	12.218	VV	540	11732	0.16%	0.087%
178	12.245	12.218	12.282	VV	1416	22060	0.30%	0.163%
179	12.321	12.282	12.351	VV	1330	19996	0.27%	0.148%
180	12.381	12.351	12.434	VV	3937	56705	0.77%	0.420%
181	12.446	12.434	12.477	VV	217	3288	0.04%	0.024%
182	12.498	12.477	12.558	PV	227	5242	0.07%	0.039%
183	12.560	12.558	12.603	VV	127	965	0.01%	0.007%
184	12.631	12.603	12.648	PV	183	2613	0.04%	0.019%
185	12.658	12.648	12.686	VV	246	3519	0.05%	0.026%
186	12.703	12.686	12.724	VV	224	3130	0.04%	0.023%
187	12.748	12.724	12.781	VV	251	5686	0.08%	0.042%
188	12.826	12.781	12.947	VV	588910	7326050	100.00%	54.246%
189	12.956	12.947	12.970	VV	734	8847	0.12%	0.066%
190	12.991	12.970	13.022	VV	931	19935	0.27%	0.148%
191	13.050	13.022	13.101	VV	612	21678	0.30%	0.161%
192	13.113	13.101	13.151	VV	413	10090	0.14%	0.075%
193	13.161	13.151	13.167	VV	307	2737	0.04%	0.020%
194	13.184	13.167	13.228	VV	406	12734	0.17%	0.094%

195	13.277	13.228	13.331	VV	533	22246	0.30%	0.165%
196	13.341	13.331	13.381	VV	267	6225	0.08%	0.046%
197	13.434	13.381	13.463	VV	326	12371	0.17%	0.092%
198	13.482	13.463	13.501	VV	281	4239	0.06%	0.031%
199	13.526	13.501	13.554	VV	1286	21122	0.29%	0.156%
200	13.577	13.554	13.679	VV	3591	56913	0.78%	0.421%
201	13.702	13.679	13.760	VV	175	4574	0.06%	0.034%
202	13.806	13.760	13.818	VV	194	3802	0.05%	0.028%
203	13.833	13.818	13.894	VV	231	5245	0.07%	0.039%
204	13.909	13.894	13.921	VV	141	1379	0.02%	0.010%
205	13.927	13.921	13.943	VV	158	1476	0.02%	0.011%
206	13.951	13.943	13.958	VV	138	855	0.01%	0.006%
207	14.017	13.958	14.058	VV	1246	26734	0.36%	0.198%
208	14.061	14.058	14.093	VV	311	4457	0.06%	0.033%
209	14.143	14.093	14.166	VV	276	8536	0.12%	0.063%
210	14.235	14.166	14.264	VV	227	8655	0.12%	0.064%
211	14.283	14.264	14.296	VV	288	4160	0.06%	0.031%
212	14.305	14.296	14.319	VV	283	2952	0.04%	0.022%
213	14.331	14.319	14.362	VV	220	4753	0.06%	0.035%
214	14.395	14.362	14.412	VV	196	4646	0.06%	0.034%
215	14.454	14.412	14.469	VV	277	6892	0.09%	0.051%
216	14.489	14.469	14.506	VV	302	4805	0.07%	0.036%
217	14.525	14.506	14.538	VV	303	4485	0.06%	0.033%
218	14.541	14.538	14.579	VV	276	4079	0.06%	0.030%
219	14.638	14.579	14.656	VV	1200	21353	0.29%	0.158%
220	14.680	14.656	14.830	VV	2691	55520	0.76%	0.411%
221	14.847	14.830	14.964	VV	253	9779	0.13%	0.072%
222	14.984	14.964	15.011	PV	194	2344	0.03%	0.017%
223	15.019	15.011	15.025	VV	73	478	0.01%	0.004%
224	15.034	15.025	15.059	VV	130	1474	0.02%	0.011%
225	15.075	15.059	15.109	VV	172	3355	0.05%	0.025%
226	15.128	15.109	15.136	VV	164	1710	0.02%	0.013%
227	15.146	15.136	15.180	VV	208	3795	0.05%	0.028%
228	15.198	15.180	15.239	VV	331	6362	0.09%	0.047%
229	15.246	15.239	15.302	VV	149	3255	0.04%	0.024%
230	15.314	15.302	15.323	VV	142	1162	0.02%	0.009%
231	15.341	15.323	15.473	VV	209	9494	0.13%	0.070%
232	15.544	15.473	15.584	VV	223	10199	0.14%	0.076%
233	15.591	15.584	15.622	VV	143	2093	0.03%	0.016%
234	15.659	15.622	15.677	PV	896	14709	0.20%	0.109%
235	15.699	15.677	15.814	VV	2177	45863	0.63%	0.340%
236	15.907	15.814	15.958	VV	146	7398	0.10%	0.055%
237	15.971	15.958	15.991	VV	68	868	0.01%	0.006%
238	16.016	15.991	16.071	PV	155	3287	0.04%	0.024%
239	16.091	16.071	16.120	VV	119	1782	0.02%	0.013%
240	16.181	16.120	16.233	VV	334	9463	0.13%	0.070%
241	16.258	16.233	16.311	VV	173	4237	0.06%	0.031%
242	16.332	16.311	16.387	VV	148	4304	0.06%	0.032%
243	16.400	16.387	16.441	VV	153	2300	0.03%	0.017%
244	16.493	16.441	16.511	VV	180	3926	0.05%	0.029%
245	16.646	16.511	16.818	VV	2015	64142	0.88%	0.475%
246	16.854	16.818	16.881	VV	74	2440	0.03%	0.018%

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247	16.936	16.881	17.003	VV	171	6424	0.09%	0.048%
248	17.032	17.003	17.061	PV	164	3283	0.04%	0.024%
249	17.097	17.061	17.158	VV	805	16821	0.23%	0.125%
250	17.287	17.158	17.341	VV	158	10458	0.14%	0.077%
251	17.373	17.341	17.406	VV	142	3724	0.05%	0.028%
252	17.426	17.406	17.439	VV	139	1385	0.02%	0.010%
253	17.532	17.439	17.623	VV	2280	52003	0.71%	0.385%
254	17.693	17.623	17.718	VV	144	4390	0.06%	0.033%
255	17.792	17.718	17.874	VV	158	7029	0.10%	0.052%
256	17.954	17.874	18.010	PV	1381	24344	0.33%	0.180%
257	18.028	18.010	18.051	PV	134	2273	0.03%	0.017%
258	18.222	18.051	18.258	VV	150	10933	0.15%	0.081%
259	18.362	18.258	18.431	VV	2341	49643	0.68%	0.368%
260	18.684	18.431	18.711	VV	137	12899	0.18%	0.096%
261	18.760	18.711	18.824	PV	1055	20428	0.28%	0.151%
262	19.008	18.824	19.035	VV	165	7995	0.11%	0.059%
263	19.145	19.035	19.204	VV	1810	37974	0.52%	0.281%
264	19.521	19.204	19.555	PV	907	41780	0.57%	0.309%
265	19.780	19.555	19.818	VV	1037	84310	1.15%	0.624%
266	19.883	19.818	19.918	VV	2067	70268	0.96%	0.520%
267	20.240	19.918	20.269	VV	1864	263452	3.60%	1.951%
268	20.416	20.269	20.454	VV	2320	209351	2.86%	1.550%
269	20.467	20.454	20.488	VV	2049	40618	0.55%	0.301%
270	20.593	20.488	20.634	VV	2852	195663	2.67%	1.449%
271	20.915	20.634	20.961	VV	1907	378528	5.17%	2.803%
272	20.993	20.961	21.054	VV	1900	98086	1.34%	0.726%
273	21.231	21.054	21.341	VV	1537	247152	3.37%	1.830%
274	21.355	21.341	21.380	VV	1226	26678	0.36%	0.198%
275	21.442	21.380	21.486	VV	1409	76858	1.05%	0.569%
276	21.511	21.486	21.549	VV	1019	35588	0.49%	0.264%
277	21.638	21.549	21.667	VV	802	55188	0.75%	0.409%
278	21.702	21.667	21.728	VV	722	24552	0.34%	0.182%
279	21.755	21.728	21.836	VV	612	33145	0.45%	0.245%
280	21.850	21.836	21.896	VV	417	13167	0.18%	0.097%
281	21.974	21.896	22.083	VV	273	19632	0.27%	0.145%

Sum of corrected areas: 13505321

Aliphatic EPH 032625.M Wed Apr 02 03:35:11 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-005-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-16		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015605.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.9	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	23.8	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	181		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.2		40 - 140	108%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.8		40 - 140	114%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-16	Acq On:	01 Apr 2025 20:54
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP\AJ
Data file:	FG015605.D	Misc:	
Instrument:	FID_G	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1199635	8.953	200	ug/ml
Aromatic C12-C16	6.330	9.035	1635450	11.924	300	ug/ml
Aromatic C16-C21	9.036	13.365	12630852	90.602	500	ug/ml
Aromatic C21-C36	13.366	18.829	1175312	9.027	800	ug/ml
Aromatic EPH	4.450	18.829	16641249	120.506		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	8284246	56.81		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6617414	54.17		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	3509453	42.46		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015605.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:54
Operator : YP\AJ
Sample : Q1664-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:36 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...	7.961	6617414	54.172 ug/ml
Spiked Amount 50.000		Recovery = 108.34%	
6) S 2-Flurobiphenyl (SURR)	8.838	3509453	42.458 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 84.92%	
11) S ortho-Terphenyl (SURR)	11.913	8284246	56.808 ug/ml
Spiked Amount 50.000		Recovery = 113.62%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

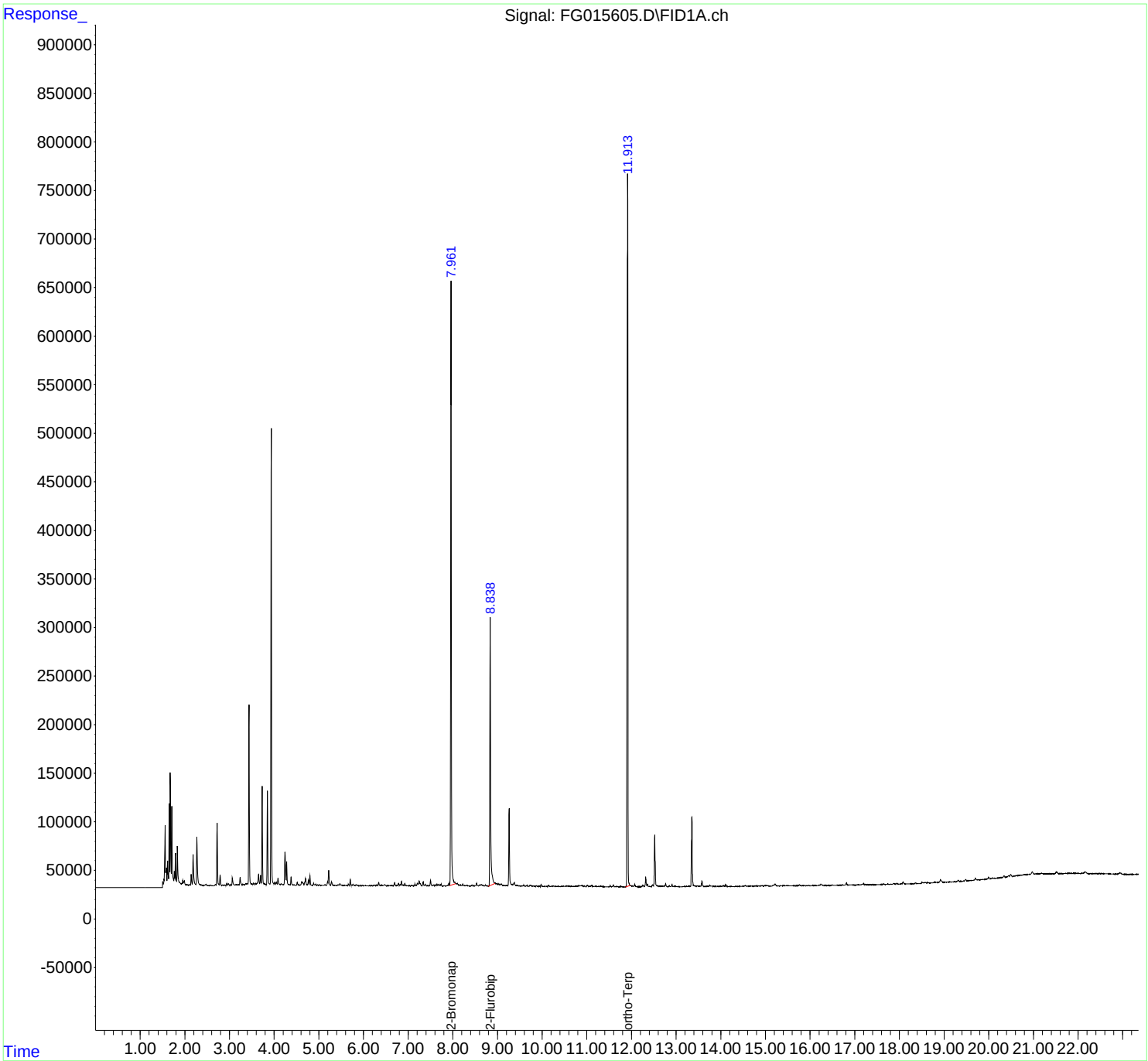
Quantitation Report (QT Reviewed)

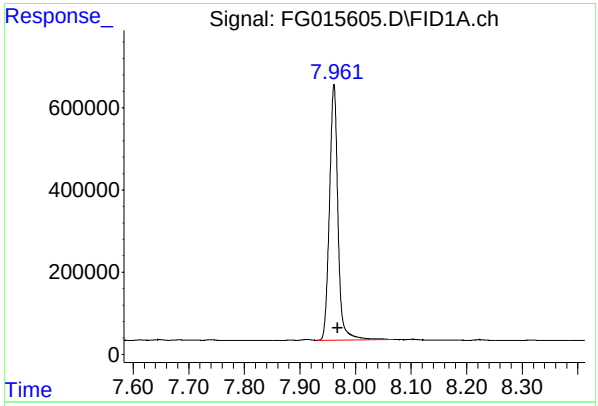
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015605.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:54
Operator : YP\AJ
Sample : Q1664-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-005-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:36 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

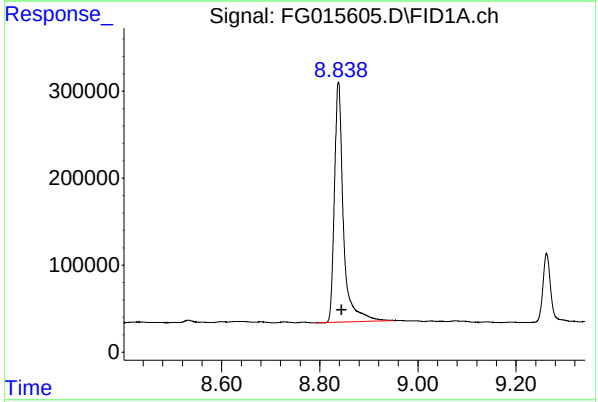




#4 2-Bromonaphthalene (SURR)

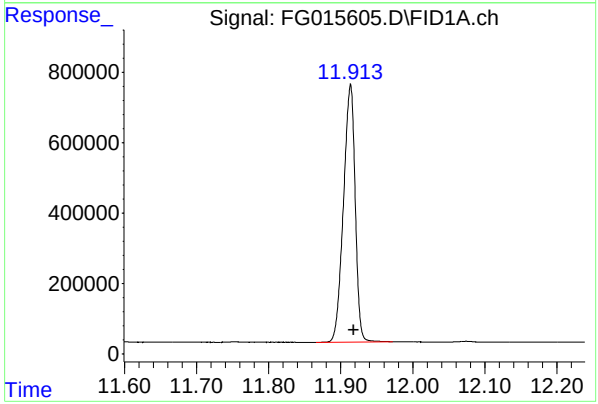
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 6617414
Conc: 54.17 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-005-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 3509453
Conc: 42.46 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.004 min
Response: 8284246
Conc: 56.81 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015605.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 20:54
Sample : Q1664-16
Misc :
ALS Vial : 33 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	4.379	4.357	4.438	PV	8618	89846	1.07%	0.330%
2	4.456	4.438	4.483	VV	282	3704	0.04%	0.014%
3	4.517	4.495	4.540	VV	3251	36741	0.44%	0.135%
4	4.553	4.540	4.569	VV	479	5417	0.06%	0.020%
5	4.615	4.569	4.632	VV	3866	59626	0.71%	0.219%
6	4.642	4.632	4.667	VV	3185	45755	0.55%	0.168%
7	4.704	4.667	4.729	VV	7165	122331	1.46%	0.450%
8	4.738	4.729	4.748	VV	803	7752	0.09%	0.028%
9	4.768	4.748	4.783	VV	5733	64494	0.77%	0.237%
10	4.802	4.783	4.826	VV	9998	111197	1.33%	0.409%
11	4.833	4.826	4.849	VV	463	4728	0.06%	0.017%
12	4.883	4.849	4.912	VV	2371	34086	0.41%	0.125%
13	4.930	4.912	4.962	VV	1168	19880	0.24%	0.073%
14	4.976	4.962	4.996	VV	651	9080	0.11%	0.033%
15	5.012	4.996	5.041	VV	918	11809	0.14%	0.043%
16	5.073	5.041	5.091	VV	276	6082	0.07%	0.022%
17	5.106	5.091	5.112	VV	325	2955	0.04%	0.011%
18	5.132	5.112	5.163	VV	871	15781	0.19%	0.058%
19	5.196	5.163	5.204	VV	3959	40980	0.49%	0.151%
20	5.222	5.204	5.262	VV	15838	208919	2.49%	0.768%
21	5.286	5.262	5.325	VV	4018	61788	0.74%	0.227%
22	5.342	5.325	5.347	VV	461	4437	0.05%	0.016%
23	5.359	5.347	5.381	VV	599	7792	0.09%	0.029%
24	5.401	5.395	5.411	VV	181	1322	0.02%	0.005%
25	5.432	5.411	5.452	VV	1176	16130	0.19%	0.059%
26	5.472	5.452	5.512	VV	2107	37451	0.45%	0.138%
27	5.523	5.512	5.551	VV	477	8147	0.10%	0.030%
28	5.557	5.551	5.576	VV	330	3415	0.04%	0.013%
29	5.592	5.576	5.608	VV	353	5107	0.06%	0.019%
30	5.622	5.608	5.639	VV	566	5547	0.07%	0.020%
31	5.661	5.639	5.683	VV	1550	19625	0.23%	0.072%
32	5.705	5.683	5.726	VV	6297	71378	0.85%	0.262%
33	5.738	5.726	5.751	VV	952	11900	0.14%	0.044%
34	5.765	5.751	5.796	VV	1720	22208	0.27%	0.082%
35	5.835	5.796	5.851	VV	1198	21738	0.26%	0.080%
36	5.854	5.851	5.882	VV	947	9464	0.11%	0.035%

37	5.890	5.882	5.904	VV	218	1631	0.02%	0.006%
38	5.923	5.904	5.950	VV	731	10110	0.12%	0.037%
39	5.974	5.950	5.997	VV	809	9729	0.12%	0.036%
40	6.023	5.997	6.027	VV	261	3050	0.04%	0.011%
41	6.033	6.027	6.078	VV	318	4302	0.05%	0.016%
42	6.136	6.121	6.172	VV	313	5686	0.07%	0.021%
43	6.184	6.172	6.210	VV	270	4599	0.05%	0.017%
44	6.246	6.210	6.272	VV	929	20354	0.24%	0.075%
45	6.296	6.272	6.319	VV	1427	21408	0.26%	0.079%
46	6.341	6.319	6.368	VV	3745	47138	0.56%	0.173%
47	6.373	6.368	6.375	VV	426	1832	0.02%	0.007%
48	6.383	6.375	6.396	VV	622	6696	0.08%	0.025%
49	6.416	6.396	6.437	VV	810	14902	0.18%	0.055%
50	6.479	6.437	6.508	VV	1434	32929	0.39%	0.121%
51	6.546	6.508	6.568	VV	415	10534	0.13%	0.039%
52	6.585	6.568	6.599	VV	489	6571	0.08%	0.024%
53	6.603	6.599	6.612	VV	281	1878	0.02%	0.007%
54	6.615	6.612	6.622	VV	260	1251	0.01%	0.005%
55	6.626	6.622	6.631	VV	252	1132	0.01%	0.004%
56	6.634	6.631	6.653	VV	244	3053	0.04%	0.011%
57	6.698	6.653	6.726	VV	3412	50023	0.60%	0.184%
58	6.739	6.726	6.750	VV	574	7033	0.08%	0.026%
59	6.753	6.750	6.761	VV	563	3436	0.04%	0.013%
60	6.785	6.761	6.804	VV	2620	36814	0.44%	0.135%
61	6.820	6.804	6.834	VV	1814	21725	0.26%	0.080%
62	6.851	6.834	6.872	VV	5067	60169	0.72%	0.221%
63	6.885	6.872	6.907	VV	1551	18847	0.22%	0.069%
64	6.926	6.907	6.944	VV	2732	31704	0.38%	0.117%
65	6.954	6.944	6.981	VV	736	10681	0.13%	0.039%
66	6.984	6.981	6.993	VV	279	1542	0.02%	0.006%
67	7.016	6.993	7.024	VV	433	6120	0.07%	0.022%
68	7.030	7.024	7.052	VV	474	5002	0.06%	0.018%
69	7.083	7.052	7.132	VV	646	16112	0.19%	0.059%
70	7.153	7.132	7.186	VV	2138	29849	0.36%	0.110%
71	7.209	7.186	7.224	VV	3187	44201	0.53%	0.162%
72	7.249	7.224	7.305	VV	5265	124315	1.48%	0.457%
73	7.337	7.305	7.364	VV	4521	64307	0.77%	0.236%
74	7.385	7.364	7.406	VV	2016	27476	0.33%	0.101%
75	7.418	7.406	7.426	VV	501	5606	0.07%	0.021%
76	7.444	7.426	7.464	VV	756	10546	0.13%	0.039%
77	7.503	7.464	7.542	VV	6210	83951	1.00%	0.309%
78	7.564	7.542	7.575	VV	1258	15379	0.18%	0.057%
79	7.578	7.575	7.597	VV	882	8506	0.10%	0.031%
80	7.613	7.597	7.626	VV	1668	18801	0.22%	0.069%
81	7.646	7.626	7.664	VV	2371	33561	0.40%	0.123%
82	7.683	7.664	7.697	VV	1766	24305	0.29%	0.089%
83	7.711	7.697	7.725	VV	1441	18388	0.22%	0.068%
84	7.740	7.725	7.771	VV	2329	28729	0.34%	0.106%
85	7.808	7.771	7.839	VV	730	18115	0.22%	0.067%
86	7.884	7.839	7.894	VV	1156	20047	0.24%	0.074%
87	7.913	7.894	7.929	VV	2826	34856	0.42%	0.128%
88	7.961	7.929	8.035	VV	623274	6689320	79.86%	24.587%
89	8.045	8.035	8.090	VV	4480	106569	1.27%	0.392%

90	8.103	8.090	8.158	VV	3282	79026	0.94%	0.290%
91	8.177	8.158	8.201	VV	1510	29456	0.35%	0.108%
92	8.224	8.201	8.271	VV	2443	47860	0.57%	0.176%
93	8.274	8.271	8.296	VV	702	9300	0.11%	0.034%
94	8.317	8.296	8.344	VV	1195	23004	0.27%	0.085%
95	8.351	8.344	8.375	VV	563	9057	0.11%	0.033%
96	8.383	8.375	8.395	VV	458	4965	0.06%	0.018%
97	8.434	8.395	8.453	VV	1182	28317	0.34%	0.104%
98	8.462	8.453	8.488	VV	675	12611	0.15%	0.046%
99	8.532	8.488	8.578	VV	3236	63704	0.76%	0.234%
100	8.600	8.578	8.614	VV	1626	24964	0.30%	0.092%
101	8.629	8.614	8.634	VV	1819	18774	0.22%	0.069%
102	8.645	8.634	8.665	VV	1807	27409	0.33%	0.101%
103	8.682	8.665	8.710	VV	1337	23337	0.28%	0.086%
104	8.730	8.710	8.750	VV	1322	19677	0.23%	0.072%
105	8.767	8.750	8.793	VV	1143	14735	0.18%	0.054%
106	8.801	8.793	8.804	VV	212	1091	0.01%	0.004%
107	8.838	8.804	8.980	VV	277727	3715111	44.35%	13.655%
108	8.989	8.980	9.014	VV	2713	49102	0.59%	0.180%
109	9.027	9.014	9.040	VV	2464	34430	0.41%	0.127%
110	9.048	9.040	9.060	VV	2095	23839	0.28%	0.088%
111	9.077	9.060	9.122	VV	2574	70489	0.84%	0.259%
112	9.141	9.122	9.171	VV	1411	30058	0.36%	0.110%
113	9.193	9.171	9.222	VV	1131	27994	0.33%	0.103%
114	9.262	9.222	9.332	VV	80169	948558	11.32%	3.486%
115	9.377	9.332	9.410	VV	4155	115149	1.37%	0.423%
116	9.420	9.410	9.433	VV	1392	16565	0.20%	0.061%
117	9.448	9.433	9.484	VV	1588	31238	0.37%	0.115%
118	9.501	9.484	9.526	VV	1005	16861	0.20%	0.062%
119	9.546	9.526	9.568	VV	738	14995	0.18%	0.055%
120	9.592	9.568	9.626	VV	1410	26907	0.32%	0.099%
121	9.647	9.626	9.661	VV	997	14084	0.17%	0.052%
122	9.666	9.661	9.706	VV	955	13947	0.17%	0.051%
123	9.730	9.706	9.744	VV	1533	22952	0.27%	0.084%
124	9.750	9.744	9.789	VV	1192	19701	0.24%	0.072%
125	9.803	9.789	9.851	VV	642	16244	0.19%	0.060%
126	9.872	9.851	9.920	VV	1113	18743	0.22%	0.069%
127	9.940	9.920	9.957	VV	472	7805	0.09%	0.029%
128	9.978	9.957	10.029	VV	2331	31177	0.37%	0.115%
129	10.067	10.029	10.088	VV	519	10319	0.12%	0.038%
130	10.094	10.088	10.106	VV	394	3720	0.04%	0.014%
131	10.112	10.106	10.126	VV	316	2765	0.03%	0.010%
132	10.148	10.126	10.177	VV	1738	24343	0.29%	0.089%
133	10.182	10.177	10.192	VV	155	1295	0.02%	0.005%
134	10.219	10.192	10.238	VV	678	13470	0.16%	0.050%
135	10.254	10.238	10.287	VV	814	17815	0.21%	0.065%
136	10.291	10.287	10.305	VV	421	4095	0.05%	0.015%
137	10.317	10.305	10.340	VV	488	7348	0.09%	0.027%
138	10.352	10.340	10.388	VV	519	10741	0.13%	0.039%
139	10.421	10.388	10.438	VV	343	7298	0.09%	0.027%
140	10.465	10.438	10.486	VV	636	12904	0.15%	0.047%
141	10.497	10.486	10.503	VV	530	4706	0.06%	0.017%

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142	10.516	10.503	10.526	VV	545	6492	0.08%	0.024%
143	10.543	10.526	10.557	VV	803	11824	0.14%	0.043%
144	10.576	10.557	10.599	VV	811	15467	0.18%	0.057%
145	10.605	10.599	10.620	VV	720	7877	0.09%	0.029%
146	10.629	10.620	10.644	VV	666	7501	0.09%	0.028%
147	10.663	10.644	10.692	VV	974	16025	0.19%	0.059%
148	10.703	10.692	10.710	VV	340	3322	0.04%	0.012%
149	10.749	10.710	10.761	VV	778	16446	0.20%	0.060%
150	10.773	10.761	10.799	VV	870	14736	0.18%	0.054%
151	10.817	10.799	10.842	VV	1344	25434	0.30%	0.093%
152	10.850	10.842	10.856	VV	1095	8378	0.10%	0.031%
153	10.887	10.856	10.926	VV	1647	45482	0.54%	0.167%
154	10.943	10.926	10.962	VV	909	14050	0.17%	0.052%
155	10.974	10.962	10.987	VV	558	8020	0.10%	0.029%
156	11.016	10.987	11.052	VV	1829	36747	0.44%	0.135%
157	11.081	11.052	11.089	VV	699	12462	0.15%	0.046%
158	11.105	11.089	11.154	VV	1591	30981	0.37%	0.114%
159	11.182	11.154	11.188	VV	680	10454	0.12%	0.038%
160	11.194	11.188	11.198	VV	714	4079	0.05%	0.015%
161	11.209	11.198	11.243	VV	813	15583	0.19%	0.057%
162	11.257	11.243	11.269	VV	506	5946	0.07%	0.022%
163	11.287	11.269	11.296	VV	586	7712	0.09%	0.028%
164	11.315	11.296	11.331	VV	1007	14803	0.18%	0.054%
165	11.342	11.331	11.369	VV	650	10213	0.12%	0.038%
166	11.383	11.369	11.391	VV	319	3666	0.04%	0.013%
167	11.396	11.391	11.405	VV	266	1763	0.02%	0.006%
168	11.413	11.405	11.421	VV	190	1273	0.02%	0.005%
169	11.424	11.421	11.446	VV	204	2051	0.02%	0.008%
170	11.454	11.446	11.466	VV	182	1560	0.02%	0.006%
171	11.526	11.493	11.551	VV	1374	19797	0.24%	0.073%
172	11.595	11.551	11.620	VV	2219	34519	0.41%	0.127%
173	11.644	11.620	11.653	VV	435	6297	0.08%	0.023%
174	11.675	11.653	11.731	VV	685	16240	0.19%	0.060%
175	11.754	11.731	11.780	VV	1287	16652	0.20%	0.061%
176	11.787	11.780	11.808	VV	248	3249	0.04%	0.012%
177	11.824	11.821	11.854	VV	189	1887	0.02%	0.007%
178	11.914	11.854	12.025	PV	733669	8376396	100.00%	30.788%
179	12.029	12.025	12.044	VV	778	8375	0.10%	0.031%
180	12.075	12.044	12.101	VV	2881	47062	0.56%	0.173%
181	12.111	12.101	12.136	VV	409	6464	0.08%	0.024%
182	12.151	12.136	12.157	VV	443	4005	0.05%	0.015%
183	12.164	12.157	12.177	VV	382	4017	0.05%	0.015%
184	12.196	12.177	12.206	VV	426	6081	0.07%	0.022%
185	12.257	12.206	12.291	VV	1833	42837	0.51%	0.157%
186	12.319	12.291	12.346	VV	10413	138829	1.66%	0.510%
187	12.359	12.346	12.389	VV	2900	39538	0.47%	0.145%
188	12.399	12.389	12.414	VV	560	6793	0.08%	0.025%
189	12.423	12.414	12.449	VV	477	7391	0.09%	0.027%
190	12.470	12.449	12.495	VV	2045	37114	0.44%	0.136%
191	12.523	12.495	12.631	VV	53350	681998	8.14%	2.507%
192	12.637	12.631	12.657	VV	818	11339	0.14%	0.042%
193	12.680	12.657	12.714	VV	854	24237	0.29%	0.089%
194	12.766	12.714	12.801	VV	3460	67671	0.81%	0.249%

195	12.805	12.801	12.813	VV	316	1806	0.02%	0.007%
196	12.847	12.813	12.880	VV	1235	22859	0.27%	0.084%
197	12.908	12.880	12.944	VV	2696	40098	0.48%	0.147%
198	12.949	12.944	12.952	VV	378	1818	0.02%	0.007%
199	12.973	12.952	13.003	VV	1035	18425	0.22%	0.068%
200	13.008	13.003	13.022	VV	318	3335	0.04%	0.012%
201	13.029	13.022	13.061	VV	352	5716	0.07%	0.021%
202	13.158	13.122	13.168	PV	321	4136	0.05%	0.015%
203	13.191	13.168	13.217	VV	519	10393	0.12%	0.038%
204	13.232	13.217	13.249	VV	352	5260	0.06%	0.019%
205	13.278	13.249	13.319	VV	960	23932	0.29%	0.088%
206	13.353	13.319	13.442	VV	71099	935814	11.17%	3.440%
207	13.477	13.442	13.507	VV	993	27596	0.33%	0.101%
208	13.519	13.507	13.550	VV	715	14357	0.17%	0.053%
209	13.577	13.550	13.623	VV	6039	90156	1.08%	0.331%
210	13.652	13.623	13.681	VV	554	15127	0.18%	0.056%
211	13.700	13.681	13.702	VV	381	3982	0.05%	0.015%
212	13.754	13.702	13.785	VV	1560	36446	0.44%	0.134%
213	13.790	13.785	13.796	VV	685	4076	0.05%	0.015%
214	13.810	13.796	13.838	VV	708	12243	0.15%	0.045%
215	13.846	13.838	13.855	VV	269	2300	0.03%	0.008%
216	13.861	13.855	13.877	VV	316	3343	0.04%	0.012%
217	13.930	13.877	13.947	VV	598	14936	0.18%	0.055%
218	13.951	13.947	13.956	VV	352	1633	0.02%	0.006%
219	13.979	13.956	14.003	VV	551	10368	0.12%	0.038%
220	14.057	14.003	14.083	VV	1348	26938	0.32%	0.099%
221	14.110	14.083	14.150	VV	2263	34025	0.41%	0.125%
222	14.155	14.150	14.162	VV	189	1075	0.01%	0.004%
223	14.168	14.162	14.190	VV	171	1977	0.02%	0.007%
224	14.212	14.190	14.238	VV	214	4301	0.05%	0.016%
225	14.256	14.248	14.279	VV	133	1296	0.02%	0.005%
226	14.327	14.308	14.354	VV	210	4084	0.05%	0.015%
227	14.362	14.354	14.368	VV	225	1472	0.02%	0.005%
228	14.409	14.368	14.428	VV	218	5507	0.07%	0.020%
229	14.457	14.428	14.466	VV	268	4539	0.05%	0.017%
230	14.520	14.466	14.526	VV	583	11813	0.14%	0.043%
231	14.549	14.526	14.581	VV	1122	22407	0.27%	0.082%
232	14.590	14.581	14.620	VV	430	8401	0.10%	0.031%
233	14.627	14.620	14.644	VV	335	4150	0.05%	0.015%
234	14.647	14.644	14.653	VV	286	1394	0.02%	0.005%
235	14.674	14.653	14.716	VV	454	11632	0.14%	0.043%
236	14.729	14.716	14.748	VV	279	4499	0.05%	0.017%
237	14.774	14.748	14.790	VV	406	7561	0.09%	0.028%
238	14.797	14.790	14.802	VV	386	2457	0.03%	0.009%
239	14.832	14.802	14.851	VV	489	12070	0.14%	0.044%
240	14.856	14.851	14.861	VV	367	1830	0.02%	0.007%
241	14.882	14.861	14.894	VV	500	7614	0.09%	0.028%
242	14.914	14.894	14.955	VV	795	19504	0.23%	0.072%
243	14.993	14.955	15.040	VV	1089	31354	0.37%	0.115%
244	15.055	15.040	15.085	VV	630	11369	0.14%	0.042%
245	15.089	15.085	15.099	VV	251	1542	0.02%	0.006%
246	15.102	15.099	15.116	VV	189	1163	0.01%	0.004%

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247	15.127	15.116	15.135	VV	177	1257	0.02%	0.005%
248	15.175	15.135	15.183	VV	1202	16184	0.19%	0.059%
249	15.215	15.183	15.305	VV	2272	58981	0.70%	0.217%
250	15.334	15.305	15.346	VV	382	6149	0.07%	0.023%
251	15.351	15.346	15.359	VV	268	1751	0.02%	0.006%
252	15.381	15.359	15.394	VV	429	6586	0.08%	0.024%
253	15.412	15.394	15.450	VV	688	12981	0.15%	0.048%
254	15.484	15.458	15.514	VV	758	13436	0.16%	0.049%
255	15.525	15.514	15.547	VV	290	3693	0.04%	0.014%
256	15.575	15.559	15.609	VV	208	3835	0.05%	0.014%
257	15.628	15.609	15.660	VV	222	5548	0.07%	0.020%
258	15.666	15.660	15.675	VV	170	1527	0.02%	0.006%
259	15.681	15.675	15.692	VV	229	1928	0.02%	0.007%
260	15.701	15.692	15.717	VV	279	3138	0.04%	0.012%
261	15.759	15.717	15.823	VV	1273	28539	0.34%	0.105%
262	15.867	15.823	15.874	VV	228	4310	0.05%	0.016%
263	15.886	15.874	15.915	VV	244	4414	0.05%	0.016%
264	15.929	15.924	15.938	VV	198	1603	0.02%	0.006%
265	15.959	15.938	16.022	VV	321	8622	0.10%	0.032%
266	16.032	16.022	16.038	VV	205	1515	0.02%	0.006%
267	16.081	16.038	16.086	VV	341	7641	0.09%	0.028%
268	16.105	16.086	16.132	VV	353	7412	0.09%	0.027%
269	16.136	16.132	16.164	VV	241	2493	0.03%	0.009%
270	16.203	16.164	16.222	PV	802	12843	0.15%	0.047%
271	16.242	16.222	16.274	VV	1620	26684	0.32%	0.098%
272	16.289	16.274	16.311	VV	345	6068	0.07%	0.022%
273	16.322	16.311	16.342	VV	178	2541	0.03%	0.009%
274	16.382	16.342	16.403	VV	201	4269	0.05%	0.016%
275	16.458	16.403	16.476	VV	118	2733	0.03%	0.010%
276	16.500	16.476	16.522	VV	470	7749	0.09%	0.028%
277	16.524	16.522	16.547	VV	200	1457	0.02%	0.005%
278	16.609	16.593	16.632	VV	133	2240	0.03%	0.008%
279	16.653	16.638	16.664	VV	157	1950	0.02%	0.007%
280	16.728	16.679	16.750	VV	369	8403	0.10%	0.031%
281	16.810	16.750	16.869	VV	2456	48380	0.58%	0.178%
282	16.900	16.869	16.913	VV	407	8698	0.10%	0.032%
283	16.918	16.913	16.936	VV	347	4208	0.05%	0.015%
284	16.944	16.936	16.950	VV	439	2945	0.04%	0.011%
285	16.953	16.950	16.965	VV	369	2652	0.03%	0.010%
286	16.969	16.965	16.984	VV	264	2683	0.03%	0.010%
287	16.999	16.984	17.009	VV	267	3249	0.04%	0.012%
288	17.044	17.009	17.049	VV	226	4499	0.05%	0.017%
289	17.084	17.049	17.111	VV	443	11279	0.13%	0.041%
290	17.123	17.111	17.137	VV	300	3506	0.04%	0.013%
291	17.160	17.137	17.172	VV	757	10997	0.13%	0.040%
292	17.195	17.172	17.232	VV	1767	32783	0.39%	0.120%
293	17.237	17.232	17.264	VV	486	6769	0.08%	0.025%
294	17.270	17.264	17.277	VV	247	1547	0.02%	0.006%
295	17.284	17.277	17.292	VV	239	1777	0.02%	0.007%
296	17.296	17.292	17.302	VV	278	1236	0.01%	0.005%
297	17.307	17.302	17.315	VV	269	1539	0.02%	0.006%
298	17.329	17.324	17.342	VV	198	1770	0.02%	0.007%
299	17.349	17.342	17.356	VV	197	1215	0.01%	0.004%

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300	17.371	17.365	17.379	VV	188	1220	0.01%	0.004%
301	17.382	17.379	17.407	VV	135	1898	0.02%	0.007%
302	17.445	17.423	17.451	PV	122	1432	0.02%	0.005%
303	17.492	17.451	17.501	VV	214	3937	0.05%	0.014%
304	17.509	17.501	17.516	VV	180	1311	0.02%	0.005%
305	17.526	17.516	17.541	VV	218	1970	0.02%	0.007%
306	17.577	17.557	17.584	VV	142	1475	0.02%	0.005%
307	17.609	17.584	17.621	VV	186	2880	0.03%	0.011%
308	17.647	17.621	17.681	VV	776	13305	0.16%	0.049%
309	17.743	17.681	17.776	VV	536	13444	0.16%	0.049%
310	17.869	17.834	17.902	VV	992	20127	0.24%	0.074%
311	17.938	17.902	18.016	VV	1211	28146	0.34%	0.103%
312	18.083	18.027	18.120	VV	2169	40786	0.49%	0.150%
313	18.140	18.120	18.152	VV	144	2120	0.03%	0.008%
314	18.203	18.187	18.218	VV	162	1901	0.02%	0.007%
315	18.261	18.218	18.281	VV	195	3825	0.05%	0.014%
316	18.288	18.281	18.324	PV	89	1070	0.01%	0.004%
317	18.361	18.324	18.391	PV	849	15215	0.18%	0.056%
318	18.409	18.391	18.436	VV	202	2553	0.03%	0.009%
319	18.506	18.471	18.535	PV	1432	25695	0.31%	0.094%
320	18.573	18.535	18.647	VV	1004	42926	0.51%	0.158%
321	18.653	18.647	18.677	VV	351	4058	0.05%	0.015%
322	18.685	18.677	18.694	VV	192	1320	0.02%	0.005%
323	18.718	18.709	18.726	VV	171	1187	0.01%	0.004%
324	18.780	18.726	18.811	VV	671	18927	0.23%	0.070%
325	18.815	18.811	18.850	VV	493	7835	0.09%	0.029%
326	18.854	18.850	18.865	VV	232	1714	0.02%	0.006%
327	18.921	18.865	18.979	VV	2896	69747	0.83%	0.256%

Sum of corrected areas: 27206983

Aromatic EPH 031725.M Wed Apr 02 02:32:56 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 19:16	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	1	0.15	1.06	mg/kg	FC068437.D
Aliphatic C12-C16	Aliphatic C12-C16	0.72		1	0.12	0.71	mg/kg	FC068437.D
Aliphatic C16-C21	Aliphatic C16-C21	0.39	J	1	0.14	1.06	mg/kg	FC068437.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.42	mg/kg	FC068437.D
Aliphatic C28-C40	Aliphatic C28-C40	1.26	U	1	1.26	2.13	mg/kg	FC068437.D
Aromatic C10-C12	Aromatic C10-C12	0.49	J	1	0.13	0.71	mg/kg	FG015587.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.25	1.06	mg/kg	FG015587.D
Aromatic C16-C21	Aromatic C16-C21	2.39		1	0.43	1.77	mg/kg	FG015587.D
Aromatic C21-C36	Aromatic C21-C36	1.27	U	1	1.27	2.84	mg/kg	FG015587.D
Total AliphaticEPH	Total AliphaticEPH	2.23	U		2.23	6.38	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.53	J		2.07	6.38	mg/kg	
Total EPH	Total EPH	4.94	J		4.30	12.8	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068437.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.31	J	0.15	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.72		0.12	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.39	J	0.14	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.56	U	0.56	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.26	U	1.26	2.13	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-17	Acq On:	28 Mar 2025 19:16
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP/AJ
Data file:	FC068437.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	701504	4.322	300	ug/ml
Aliphatic C12-C16	6.361	9.742	1695160	10.079	200	ug/ml
Aliphatic C16-C21	9.743	13.094	934344	5.448	300	ug/ml
Aliphatic C21-C28	13.095	16.746	855865	5.068	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2195115	16.12	600	ug/ml
Aliphatic EPH	3.100	21.538	6381988	41.036		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	4946063	33.18		ug/ml
Aliphatic C9-C28	3.100	16.746	4186873	24.917	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068437.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:16
Operator : YP/AJ
Sample : Q1664-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Mar 29 02:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.827	4946063	33.178 ug/ml
Spiked Amount 50.000		Recovery = 66.36%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

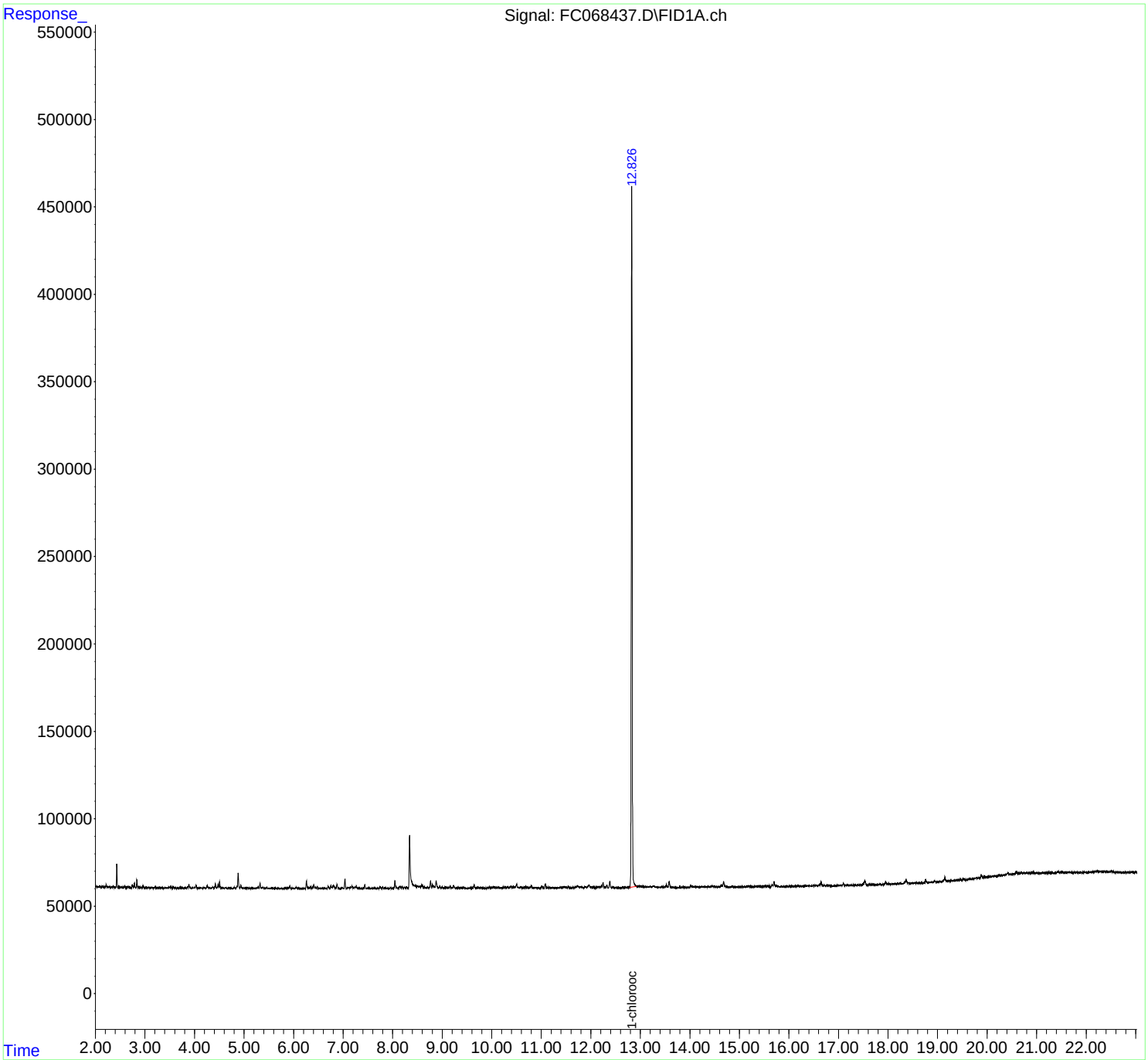
Quantitation Report (QT Reviewed)

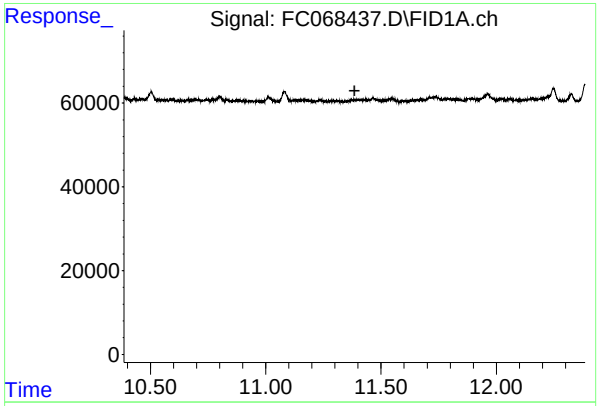
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068437.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:16
Operator : YP/AJ
Sample : Q1664-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Mar 29 02:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

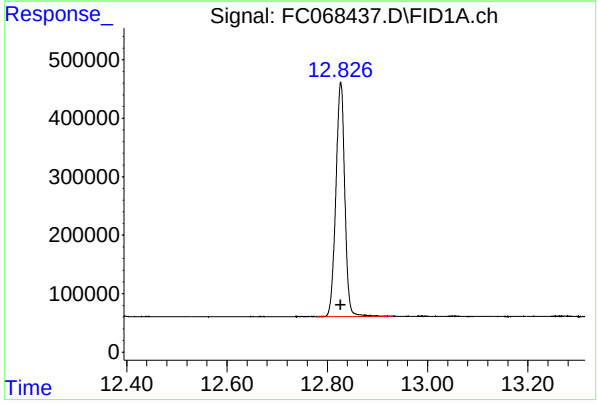




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-006-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 4946063
Conc: 33.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068437.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:16
Sample : Q1664-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.359	2.304	2.408	BV	887	7688	0.15%	0.066%
2	2.431	2.408	2.458	PV	13560	102628	2.05%	0.875%
3	2.472	2.458	2.518	VV	924	9627	0.19%	0.082%
4	2.525	2.518	2.541	VV	114	1009	0.02%	0.009%
5	2.555	2.541	2.571	VV	188	1751	0.03%	0.015%
6	2.591	2.571	2.637	VV	409	4597	0.09%	0.039%
7	2.655	2.637	2.694	VV	344	4421	0.09%	0.038%
8	2.744	2.694	2.770	VV	1174	20500	0.41%	0.175%
9	2.787	2.770	2.818	VV	2751	24291	0.48%	0.207%
10	2.836	2.818	2.884	VV	4650	44344	0.88%	0.378%
11	2.915	2.884	2.941	VV	201	4240	0.08%	0.036%
12	2.959	2.941	3.065	VV	1052	15028	0.30%	0.128%
13	3.075	3.065	3.108	PV	98	1071	0.02%	0.009%
14	3.119	3.108	3.158	VV	151	1703	0.03%	0.015%
15	3.205	3.158	3.231	VV	720	7818	0.16%	0.067%
16	3.302	3.276	3.312	VV	98	1118	0.02%	0.010%
17	3.319	3.312	3.334	VV	99	597	0.01%	0.005%
18	3.351	3.334	3.362	VV	94	962	0.02%	0.008%
19	3.376	3.362	3.388	VV	76	741	0.01%	0.006%
20	3.404	3.388	3.425	VV	197	1995	0.04%	0.017%
21	3.494	3.425	3.507	VV	515	8935	0.18%	0.076%
22	3.520	3.507	3.553	VV	671	6819	0.14%	0.058%
23	3.568	3.553	3.581	VV	350	3232	0.06%	0.028%
24	3.583	3.581	3.638	VV	320	2006	0.04%	0.017%
25	3.655	3.638	3.680	VV	76	1194	0.02%	0.010%
26	3.704	3.680	3.719	VV	197	2491	0.05%	0.021%
27	3.769	3.719	3.791	VV	204	4732	0.09%	0.040%
28	3.800	3.791	3.831	VV	145	1515	0.03%	0.013%
29	3.859	3.831	3.872	PV	920	9856	0.20%	0.084%
30	3.888	3.872	3.933	VV	2302	25993	0.52%	0.222%
31	3.954	3.933	3.976	VV	290	4249	0.08%	0.036%
32	4.033	3.976	4.067	VV	1804	27102	0.54%	0.231%
33	4.082	4.067	4.161	VV	182	7640	0.15%	0.065%
34	4.207	4.161	4.231	VV	323	7805	0.16%	0.067%
35	4.257	4.231	4.342	VV	1434	29034	0.58%	0.247%
36	4.367	4.342	4.398	VV	740	12154	0.24%	0.104%

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37	4.421	4.398	4.443	VV	2710	31131	0.62%	0.265%
38	4.477	4.443	4.490	VV	2359	29005	0.58%	0.247%
39	4.506	4.490	4.588	VV	3776	45844	0.91%	0.391%
40	4.622	4.588	4.661	VV	501	9158	0.18%	0.078%
41	4.672	4.661	4.680	VV	126	1326	0.03%	0.011%
42	4.696	4.680	4.775	VV	240	6540	0.13%	0.056%
43	4.803	4.775	4.833	PV	542	8769	0.17%	0.075%
44	4.882	4.833	4.914	VV	8758	114191	2.28%	0.973%
45	4.938	4.914	4.961	VV	1873	22558	0.45%	0.192%
46	4.977	4.961	5.021	VV	260	5776	0.12%	0.049%
47	5.072	5.021	5.104	VV	526	9706	0.19%	0.083%
48	5.113	5.104	5.144	VV	173	2632	0.05%	0.022%
49	5.160	5.144	5.207	VV	166	4220	0.08%	0.036%
50	5.250	5.207	5.268	VV	433	5835	0.12%	0.050%
51	5.286	5.268	5.303	VV	752	10965	0.22%	0.093%
52	5.324	5.303	5.360	VV	3061	36571	0.73%	0.312%
53	5.380	5.360	5.403	VV	870	10867	0.22%	0.093%
54	5.418	5.403	5.426	VV	237	2446	0.05%	0.021%
55	5.450	5.426	5.499	VV	409	10934	0.22%	0.093%
56	5.529	5.499	5.547	PV	228	3802	0.08%	0.032%
57	5.575	5.547	5.605	VV	402	6836	0.14%	0.058%
58	5.628	5.605	5.671	VV	297	6390	0.13%	0.054%
59	5.681	5.671	5.692	VV	176	1252	0.02%	0.011%
60	5.718	5.692	5.752	VV	133	2597	0.05%	0.022%
61	5.760	5.752	5.774	VV	79	549	0.01%	0.005%
62	5.837	5.774	5.861	VV	389	10091	0.20%	0.086%
63	5.879	5.861	5.900	VV	542	7972	0.16%	0.068%
64	5.921	5.900	5.967	VV	1252	18326	0.37%	0.156%
65	5.982	5.967	6.021	VV	373	6781	0.14%	0.058%
66	6.052	6.021	6.122	VV	708	15401	0.31%	0.131%
67	6.135	6.122	6.145	VV	174	1334	0.03%	0.011%
68	6.155	6.145	6.168	VV	160	1389	0.03%	0.012%
69	6.170	6.168	6.188	VV	116	932	0.02%	0.008%
70	6.194	6.188	6.201	VV	106	564	0.01%	0.005%
71	6.261	6.201	6.324	VV	4417	62778	1.25%	0.535%
72	6.342	6.324	6.362	VV	1428	16345	0.33%	0.139%
73	6.378	6.362	6.390	VV	779	9118	0.18%	0.078%
74	6.408	6.390	6.427	VV	2341	26379	0.53%	0.225%
75	6.440	6.427	6.460	VV	854	9923	0.20%	0.085%
76	6.479	6.460	6.561	VV	1347	19879	0.40%	0.169%
77	6.577	6.561	6.610	VV	188	4036	0.08%	0.034%
78	6.628	6.610	6.646	VV	331	4291	0.09%	0.037%
79	6.654	6.646	6.678	VV	199	1870	0.04%	0.016%
80	6.699	6.678	6.727	PV	1437	17258	0.34%	0.147%
81	6.752	6.727	6.788	VV	1765	33397	0.67%	0.285%
82	6.801	6.788	6.845	VV	1441	31106	0.62%	0.265%
83	6.878	6.845	6.937	VV	2469	39166	0.78%	0.334%
84	6.981	6.937	7.006	VV	574	11114	0.22%	0.095%
85	7.038	7.006	7.070	VV	5532	63158	1.26%	0.538%
86	7.099	7.070	7.129	VV	811	16805	0.34%	0.143%
87	7.146	7.129	7.160	VV	960	12190	0.24%	0.104%
88	7.179	7.160	7.201	VV	1447	21464	0.43%	0.183%
89	7.214	7.201	7.224	VV	535	5966	0.12%	0.051%

90	7.241	7.224	7.255	VV	955	12255	0.24%	0.104%
91	7.270	7.255	7.306	VV	1209	15654	0.31%	0.133%
92	7.336	7.306	7.371	VV	265	6702	0.13%	0.057%
93	7.386	7.371	7.414	VV	289	4358	0.09%	0.037%
94	7.439	7.414	7.474	VV	2236	26947	0.54%	0.230%
95	7.526	7.474	7.558	VV	492	11511	0.23%	0.098%
96	7.582	7.558	7.623	VV	331	9312	0.19%	0.079%
97	7.634	7.623	7.649	VV	302	3173	0.06%	0.027%
98	7.656	7.649	7.680	VV	268	2655	0.05%	0.023%
99	7.701	7.680	7.721	VV	341	4604	0.09%	0.039%
100	7.744	7.721	7.774	VV	1185	14884	0.30%	0.127%
101	7.800	7.774	7.818	VV	847	9550	0.19%	0.081%
102	7.838	7.818	7.879	VV	487	8965	0.18%	0.076%
103	7.897	7.879	7.934	PV	129	3371	0.07%	0.029%
104	7.955	7.934	7.975	VV	446	5685	0.11%	0.048%
105	7.992	7.975	8.016	VV	238	4186	0.08%	0.036%
106	8.047	8.016	8.121	VV	4371	65500	1.31%	0.558%
107	8.158	8.121	8.177	VV	915	22734	0.45%	0.194%
108	8.195	8.177	8.218	VV	874	13556	0.27%	0.116%
109	8.241	8.218	8.260	VV	718	11290	0.23%	0.096%
110	8.277	8.260	8.311	VV	1081	13794	0.28%	0.118%
111	8.343	8.311	8.483	VV	29664	558436	11.14%	4.760%
112	8.503	8.483	8.521	VV	1547	28982	0.58%	0.247%
113	8.534	8.521	8.566	VV	1204	29164	0.58%	0.249%
114	8.589	8.566	8.625	VV	1787	44288	0.88%	0.378%
115	8.645	8.625	8.674	VV	1117	17360	0.35%	0.148%
116	8.696	8.674	8.728	VV	777	15451	0.31%	0.132%
117	8.766	8.728	8.786	VV	4323	58603	1.17%	0.500%
118	8.803	8.786	8.818	VV	1906	25632	0.51%	0.218%
119	8.821	8.818	8.851	VV	1395	20795	0.41%	0.177%
120	8.880	8.851	8.931	VV	4395	79296	1.58%	0.676%
121	8.954	8.931	8.981	VV	1319	21065	0.42%	0.180%
122	9.001	8.981	9.032	VV	842	14919	0.30%	0.127%
123	9.056	9.032	9.067	VV	480	8328	0.17%	0.071%
124	9.083	9.067	9.127	VV	608	15144	0.30%	0.129%
125	9.166	9.127	9.204	VV	953	25970	0.52%	0.221%
126	9.229	9.204	9.278	VV	1834	31346	0.63%	0.267%
127	9.293	9.278	9.348	VV	394	11886	0.24%	0.101%
128	9.371	9.348	9.399	VV	719	10859	0.22%	0.093%
129	9.426	9.399	9.472	VV	532	12270	0.24%	0.105%
130	9.484	9.472	9.515	VV	217	3331	0.07%	0.028%
131	9.568	9.515	9.604	VV	459	9932	0.20%	0.085%
132	9.645	9.604	9.694	VV	1959	31684	0.63%	0.270%
133	9.717	9.694	9.802	VV	557	22613	0.45%	0.193%
134	9.813	9.802	9.845	VV	332	3224	0.06%	0.027%
135	9.852	9.845	9.860	PV	44	222	0.00%	0.002%
136	9.919	9.860	9.938	VV	471	9121	0.18%	0.078%
137	9.959	9.938	9.984	VV	802	13451	0.27%	0.115%
138	9.990	9.984	9.998	VV	289	2253	0.04%	0.019%
139	10.036	9.998	10.051	VV	734	16682	0.33%	0.142%
140	10.069	10.051	10.091	VV	732	12760	0.25%	0.109%
141	10.119	10.091	10.136	VV	581	12357	0.25%	0.105%

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142	10.148	10.136	10.170	VV	396	5673	0.11%	0.048%
143	10.184	10.170	10.214	VV	304	6013	0.12%	0.051%
144	10.240	10.214	10.253	VV	776	12031	0.24%	0.103%
145	10.271	10.253	10.292	VV	744	12665	0.25%	0.108%
146	10.319	10.292	10.344	VV	893	17170	0.34%	0.146%
147	10.387	10.344	10.418	VV	998	29021	0.58%	0.247%
148	10.431	10.418	10.445	VV	764	9952	0.20%	0.085%
149	10.463	10.445	10.478	VV	747	11742	0.23%	0.100%
150	10.503	10.478	10.558	VV	2482	48124	0.96%	0.410%
151	10.567	10.558	10.577	VV	438	4826	0.10%	0.041%
152	10.595	10.577	10.617	VV	580	10818	0.22%	0.092%
153	10.631	10.617	10.641	VV	366	4327	0.09%	0.037%
154	10.662	10.641	10.674	VV	513	7636	0.15%	0.065%
155	10.696	10.674	10.727	VV	569	14078	0.28%	0.120%
156	10.744	10.727	10.758	VV	532	7697	0.15%	0.066%
157	10.800	10.758	10.821	VV	1308	26445	0.53%	0.225%
158	10.830	10.821	10.851	VV	406	5142	0.10%	0.044%
159	10.877	10.851	10.922	VV	306	9161	0.18%	0.078%
160	10.933	10.922	10.958	VV	161	2639	0.05%	0.022%
161	11.012	10.958	11.050	VV	1104	20274	0.40%	0.173%
162	11.081	11.050	11.111	VV	2464	37255	0.74%	0.318%
163	11.126	11.111	11.218	VV	459	18209	0.36%	0.155%
164	11.235	11.218	11.255	VV	369	5046	0.10%	0.043%
165	11.292	11.255	11.348	VV	224	7360	0.15%	0.063%
166	11.387	11.348	11.443	VV	436	20074	0.40%	0.171%
167	11.466	11.443	11.502	VV	870	18103	0.36%	0.154%
168	11.548	11.502	11.579	VV	784	17723	0.35%	0.151%
169	11.598	11.579	11.611	PV	154	1927	0.04%	0.016%
170	11.671	11.611	11.683	VV	462	13963	0.28%	0.119%
171	11.737	11.683	11.771	VV	1163	41533	0.83%	0.354%
172	11.788	11.771	11.811	VV	721	14084	0.28%	0.120%
173	11.818	11.811	11.825	VV	576	4252	0.08%	0.036%
174	11.833	11.825	11.856	VV	548	8227	0.16%	0.070%
175	11.894	11.856	11.923	VV	654	21056	0.42%	0.179%
176	11.963	11.923	11.999	VV	1821	44867	0.90%	0.382%
177	12.018	11.999	12.043	VV	629	13736	0.27%	0.117%
178	12.056	12.043	12.079	VV	592	9333	0.19%	0.080%
179	12.088	12.079	12.098	VV	320	3230	0.06%	0.028%
180	12.155	12.098	12.171	VV	678	19830	0.40%	0.169%
181	12.248	12.171	12.294	VV	3127	73563	1.47%	0.627%
182	12.324	12.294	12.351	VV	1753	25223	0.50%	0.215%
183	12.384	12.351	12.435	VV	4004	58546	1.17%	0.499%
184	12.443	12.435	12.487	VV	423	8920	0.18%	0.076%
185	12.506	12.487	12.599	VV	290	11436	0.23%	0.097%
186	12.604	12.599	12.613	VV	65	517	0.01%	0.004%
187	12.667	12.613	12.690	PV	419	13437	0.27%	0.115%
188	12.705	12.690	12.722	VV	324	4629	0.09%	0.039%
189	12.749	12.722	12.781	VV	470	12286	0.25%	0.105%
190	12.827	12.781	12.945	VV	402799	5011980	100.00%	42.721%
191	12.959	12.945	12.978	VV	923	16135	0.32%	0.138%
192	12.993	12.978	13.027	VV	1031	25940	0.52%	0.221%
193	13.052	13.027	13.088	VV	974	28400	0.57%	0.242%
194	13.110	13.088	13.159	VV	670	23216	0.46%	0.198%

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195	13.191	13.159	13.231	VV	865	27684	0.55%	0.236%
196	13.275	13.231	13.307	VV	1011	34528	0.69%	0.294%
197	13.326	13.307	13.359	VV	487	11768	0.23%	0.100%
198	13.375	13.359	13.394	VV	402	6830	0.14%	0.058%
199	13.449	13.394	13.471	VV	644	21121	0.42%	0.180%
200	13.527	13.471	13.553	VV	1835	37368	0.75%	0.319%
201	13.582	13.553	13.622	VV	3614	58161	1.16%	0.496%
202	13.633	13.622	13.661	VV	338	6678	0.13%	0.057%
203	13.670	13.661	13.726	VV	245	6081	0.12%	0.052%
204	13.741	13.726	13.773	PV	96	1458	0.03%	0.012%
205	13.800	13.773	13.835	VV	274	7918	0.16%	0.067%
206	13.845	13.835	13.865	VV	273	4265	0.09%	0.036%
207	13.874	13.865	13.898	VV	285	4202	0.08%	0.036%
208	13.913	13.898	13.938	VV	237	4866	0.10%	0.041%
209	14.019	13.938	14.096	VV	1198	40249	0.80%	0.343%
210	14.147	14.096	14.185	VV	490	17893	0.36%	0.153%
211	14.287	14.185	14.367	VV	557	43129	0.86%	0.368%
212	14.394	14.367	14.411	VV	530	10612	0.21%	0.090%
213	14.453	14.411	14.475	VV	786	21263	0.42%	0.181%
214	14.486	14.475	14.514	VV	639	11724	0.23%	0.100%
215	14.536	14.514	14.591	VV	370	12651	0.25%	0.108%
216	14.602	14.591	14.614	VV	243	3440	0.07%	0.029%
217	14.637	14.614	14.657	VV	1485	25064	0.50%	0.214%
218	14.680	14.657	14.822	VV	3312	69549	1.39%	0.593%
219	14.850	14.822	14.894	PV	385	8585	0.17%	0.073%
220	14.906	14.894	14.914	VV	217	2005	0.04%	0.017%
221	14.917	14.914	14.953	VV	228	2984	0.06%	0.025%
222	14.988	14.953	15.021	VV	210	4805	0.10%	0.041%
223	15.042	15.021	15.054	VV	157	2055	0.04%	0.018%
224	15.115	15.054	15.135	VV	281	9686	0.19%	0.083%
225	15.202	15.135	15.238	VV	470	17021	0.34%	0.145%
226	15.248	15.238	15.254	VV	259	2065	0.04%	0.018%
227	15.261	15.254	15.314	VV	179	6174	0.12%	0.053%
228	15.340	15.314	15.371	VV	353	9552	0.19%	0.081%
229	15.403	15.371	15.421	VV	380	9643	0.19%	0.082%
230	15.439	15.421	15.474	VV	277	7235	0.14%	0.062%
231	15.506	15.474	15.533	VV	512	12740	0.25%	0.109%
232	15.560	15.533	15.629	VV	549	17177	0.34%	0.146%
233	15.662	15.629	15.677	VV	1131	17612	0.35%	0.150%
234	15.700	15.677	15.781	VV	2863	57494	1.15%	0.490%
235	15.790	15.781	15.804	VV	236	1965	0.04%	0.017%
236	15.807	15.804	15.834	VV	121	1138	0.02%	0.010%
237	15.889	15.834	15.905	PV	208	5195	0.10%	0.044%
238	15.914	15.905	15.921	VV	92	1046	0.02%	0.009%
239	15.945	15.921	15.964	VV	146	2246	0.04%	0.019%
240	15.981	15.964	16.031	VV	126	3616	0.07%	0.031%
241	16.041	16.031	16.104	PV	150	3986	0.08%	0.034%
242	16.124	16.104	16.134	VV	146	2092	0.04%	0.018%
243	16.184	16.134	16.227	VV	539	13125	0.26%	0.112%
244	16.237	16.227	16.250	VV	244	2328	0.05%	0.020%
245	16.265	16.250	16.298	VV	270	4174	0.08%	0.036%
246	16.347	16.298	16.363	VV	378	9031	0.18%	0.077%

247	16.380	16.363	16.463	VV	405	15413	0.31%	0.131%
248	16.487	16.463	16.514	VV	356	8230	0.16%	0.070%
249	16.561	16.514	16.588	VV	387	14155	0.28%	0.121%
250	16.614	16.588	16.627	VV	1103	17650	0.35%	0.150%
251	16.648	16.627	16.735	VV	2604	51924	1.04%	0.443%
252	16.750	16.735	16.771	VV	352	5017	0.10%	0.043%
253	16.786	16.771	16.842	VV	194	6472	0.13%	0.055%
254	16.868	16.842	16.902	VV	237	3178	0.06%	0.027%
255	16.912	16.902	16.920	VV	128	709	0.01%	0.006%
256	16.929	16.920	16.938	PV	171	957	0.02%	0.008%
257	16.960	16.938	16.981	VV	201	2671	0.05%	0.023%
258	17.035	16.981	17.050	VV	176	4973	0.10%	0.042%
259	17.060	17.050	17.068	VV	98	1048	0.02%	0.009%
260	17.098	17.068	17.134	VV	1098	19717	0.39%	0.168%
261	17.201	17.134	17.218	VV	319	10689	0.21%	0.091%
262	17.247	17.218	17.267	VV	230	5593	0.11%	0.048%
263	17.279	17.267	17.285	VV	226	1927	0.04%	0.016%
264	17.297	17.285	17.311	VV	238	2972	0.06%	0.025%
265	17.348	17.311	17.401	VV	256	9517	0.19%	0.081%
266	17.445	17.401	17.461	VV	223	5188	0.10%	0.044%
267	17.533	17.461	17.608	VV	2701	66314	1.32%	0.565%
268	17.644	17.608	17.658	VV	413	7411	0.15%	0.063%
269	17.674	17.658	17.704	VV	359	7794	0.16%	0.066%
270	17.707	17.704	17.755	VV	208	4160	0.08%	0.035%
271	17.818	17.755	17.868	VV	308	10023	0.20%	0.085%
272	17.892	17.868	17.901	PV	136	1981	0.04%	0.017%
273	17.955	17.901	17.988	VV	1494	28145	0.56%	0.240%
274	18.015	17.988	18.074	VV	467	9878	0.20%	0.084%
275	18.098	18.074	18.114	VV	213	3522	0.07%	0.030%
276	18.220	18.114	18.252	VV	324	16518	0.33%	0.141%
277	18.260	18.252	18.269	VV	204	1733	0.03%	0.015%
278	18.366	18.269	18.453	VV	2592	72192	1.44%	0.615%
279	18.489	18.453	18.523	VV	313	9042	0.18%	0.077%
280	18.532	18.523	18.538	VV	258	1658	0.03%	0.014%
281	18.567	18.538	18.597	VV	234	4926	0.10%	0.042%
282	18.621	18.597	18.631	PV	204	2589	0.05%	0.022%
283	18.637	18.631	18.648	VV	99	619	0.01%	0.005%
284	18.676	18.648	18.701	VV	142	2538	0.05%	0.022%
285	18.762	18.701	18.807	PV	1218	22240	0.44%	0.190%
286	18.816	18.807	18.828	VV	154	1362	0.03%	0.012%
287	18.939	18.828	18.978	VV	556	15866	0.32%	0.135%
288	19.055	18.978	19.084	VV	291	11081	0.22%	0.094%
289	19.148	19.084	19.199	VV	2280	54581	1.09%	0.465%
290	19.281	19.199	19.299	VV	293	13103	0.26%	0.112%
291	19.385	19.299	19.408	VV	523	20101	0.40%	0.171%
292	19.456	19.408	19.488	VV	661	20945	0.42%	0.179%
293	19.520	19.488	19.564	VV	989	22844	0.46%	0.195%
294	19.589	19.564	19.604	VV	339	6707	0.13%	0.057%
295	19.654	19.604	19.679	VV	674	20482	0.41%	0.175%
296	19.784	19.679	19.811	VV	1052	55695	1.11%	0.475%
297	19.819	19.811	19.826	VV	737	6916	0.14%	0.059%
298	19.885	19.826	19.916	VV	2152	68155	1.36%	0.581%
299	19.946	19.916	19.971	VV	1489	40426	0.81%	0.345%

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300	19.984	19.971	19.991	VV	1092	12247	0.24%	0.104%
301	20.115	19.991	20.126	VV	1257	89411	1.78%	0.762%
302	20.247	20.126	20.274	VV	1664	118510	2.36%	1.010%
303	20.417	20.274	20.484	VV	2579	223932	4.47%	1.909%
304	20.595	20.484	20.638	VV	2799	193653	3.86%	1.651%
305	20.701	20.638	20.714	VV	2102	93665	1.87%	0.798%
306	20.753	20.714	20.773	VV	2066	70863	1.41%	0.604%
307	20.804	20.773	20.880	VV	2029	123512	2.46%	1.053%
308	20.921	20.880	20.974	VV	2133	104204	2.08%	0.888%
309	20.996	20.974	21.047	VV	1662	65346	1.30%	0.557%
310	21.122	21.047	21.160	VV	1385	92160	1.84%	0.786%
311	21.195	21.160	21.225	VV	1407	52815	1.05%	0.450%
312	21.244	21.225	21.261	VV	1356	27568	0.55%	0.235%
313	21.269	21.261	21.319	VV	1282	40036	0.80%	0.341%
314	21.328	21.319	21.348	VV	1081	18681	0.37%	0.159%
315	21.358	21.348	21.368	VV	1035	11624	0.23%	0.099%
316	21.446	21.368	21.483	VV	1429	78338	1.56%	0.668%
317	21.520	21.483	21.602	VV	1220	66375	1.32%	0.566%
318	21.640	21.602	21.738	VV	802	52725	1.05%	0.449%
319	21.752	21.738	21.787	VV	491	12336	0.25%	0.105%
320	21.799	21.787	21.821	VV	409	7528	0.15%	0.064%
321	21.833	21.821	21.849	VV	339	4999	0.10%	0.043%
322	21.889	21.849	21.920	VV	310	9682	0.19%	0.083%
323	21.935	21.920	21.971	VV	223	4726	0.09%	0.040%
324	22.000	21.971	22.048	VV	159	3173	0.06%	0.027%
325	22.059	22.048	22.070	VV	71	511	0.01%	0.004%
326	22.097	22.070	22.108	PV	100	1099	0.02%	0.009%

Sum of corrected areas: 11731947

Aliphatic EPH 032625.M Sat Mar 29 02:55:34 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015587.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.49	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.65	J	0.25	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.39		0.43	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.27	U	1.27	2.84	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.3		40 - 140	105%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	45.3		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-17	Acq On:	29 Mar 2025 00:48
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP\AJ
Data file:	FG015587.D	Misc:	
Instrument:	FID_G	ALS Vial:	83
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	926105	6.911	200	ug/ml
Aromatic C12-C16	6.330	9.039	1255874	9.157	300	ug/ml
Aromatic C16-C21	9.040	13.371	4689455	33.638	500	ug/ml
Aromatic C21-C36	13.372	18.837	1822278	13.997	800	ug/ml
Aromatic EPH	4.449	18.837	8693712	63.703		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	6388259	52.3		ug/ml
2-Flurobiphenyl (SURR)	8.842	8.842	3740447	45.25		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4681327	32.1		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015587.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 00:48
Operator : YP\AJ
Sample : Q1664-17
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Mar 29 03:16:49 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...	7.964	6388259	52.296 ug/ml
Spiked Amount 50.000		Recovery = 104.59%	
6) S 2-Flurobiphenyl (SURR)	8.842	3740447	45.253 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 90.51%	
11) S ortho-Terphenyl (SURR)	11.914	4681327	32.102 ug/ml
Spiked Amount 50.000		Recovery = 64.20%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

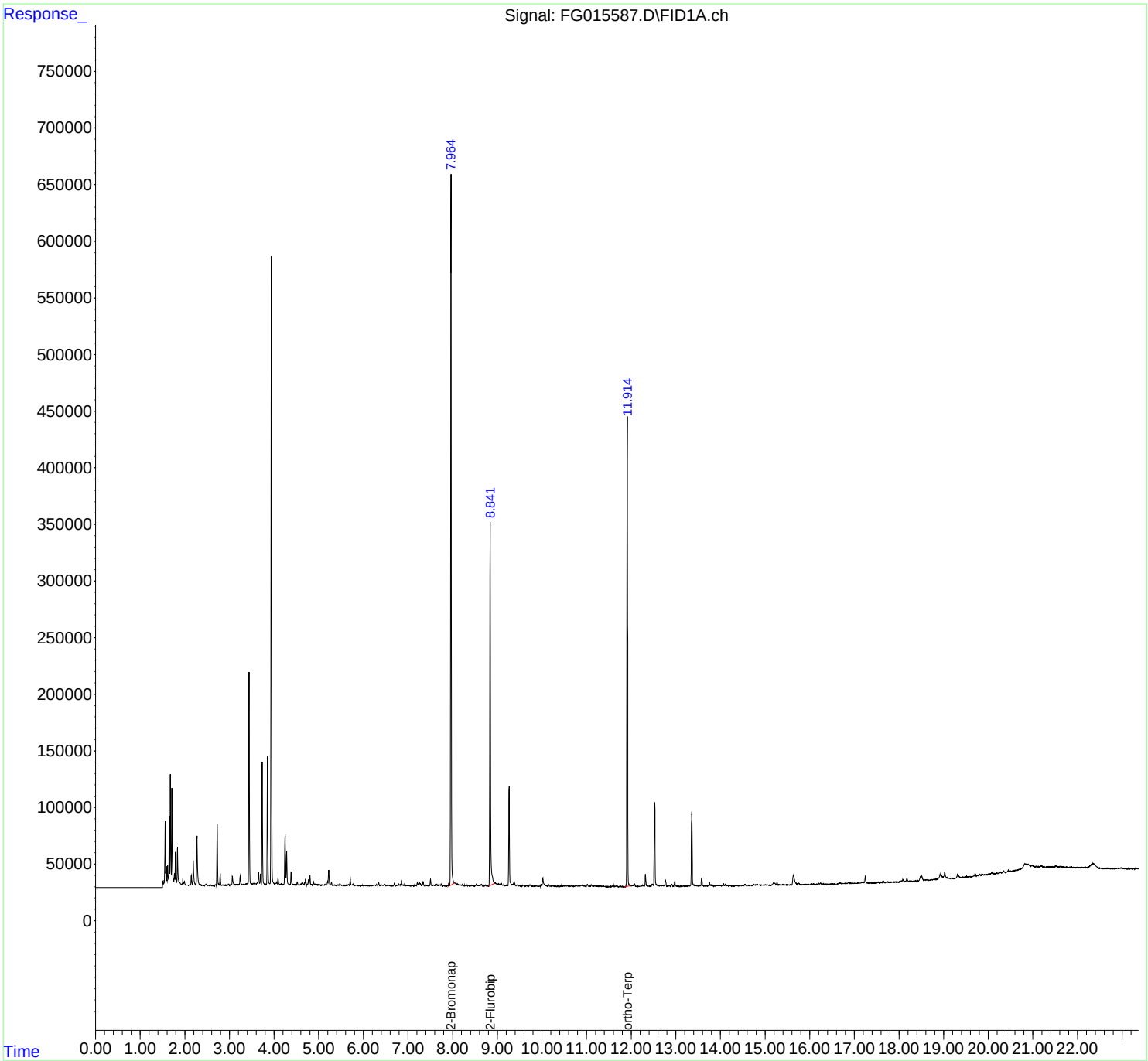
Quantitation Report (QT Reviewed)

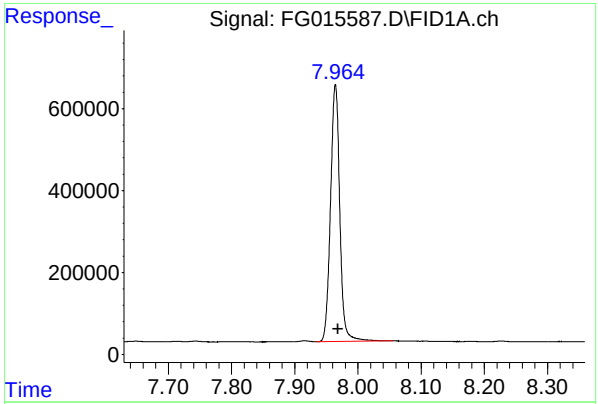
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015587.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 00:48
Operator : YP\AJ
Sample : Q1664-17
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Mar 29 03:16:49 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

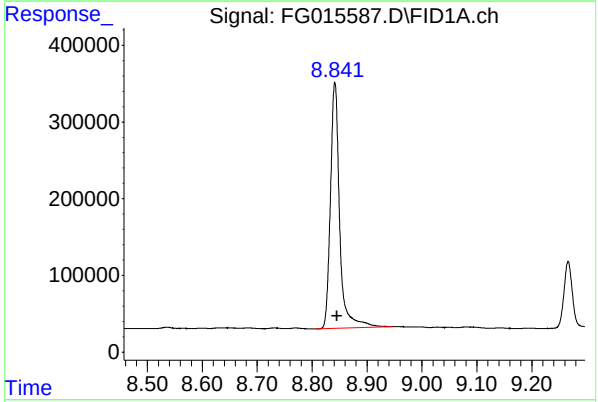




#4 2-Bromonaphthalene (SURR)

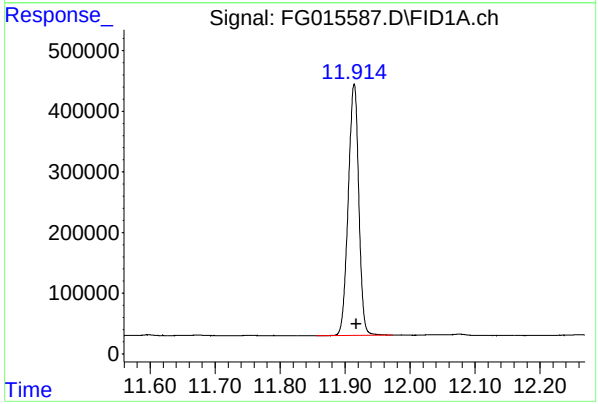
R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 6388259
Conc: 52.30 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-006-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 3740447
Conc: 45.25 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.004 min
Response: 4681327
Conc: 32.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015587.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 00:48
Sample : Q1664-17
Misc :
ALS Vial : 83 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	4.381	4.359	4.444	PV	11284	119022	1.84%	0.496%
2	4.459	4.444	4.486	VV	325	4007	0.06%	0.017%
3	4.519	4.486	4.545	PV	2866	32434	0.50%	0.135%
4	4.554	4.545	4.572	VV	252	2547	0.04%	0.011%
5	4.596	4.572	4.602	VV	762	8314	0.13%	0.035%
6	4.620	4.602	4.633	VV	1800	24334	0.38%	0.101%
7	4.645	4.633	4.670	VV	1874	26529	0.41%	0.110%
8	4.707	4.670	4.732	VV	5527	85168	1.32%	0.355%
9	4.742	4.732	4.750	VV	585	4996	0.08%	0.021%
10	4.771	4.750	4.786	VV	4801	51951	0.80%	0.216%
11	4.804	4.786	4.852	VV	8527	95958	1.48%	0.400%
12	4.856	4.852	4.867	VV	306	1925	0.03%	0.008%
13	4.885	4.867	4.913	VV	2829	35233	0.54%	0.147%
14	4.931	4.913	4.962	VV	1181	18893	0.29%	0.079%
15	4.979	4.962	5.000	VV	504	7779	0.12%	0.032%
16	5.014	5.000	5.054	VV	774	10045	0.16%	0.042%
17	5.067	5.054	5.094	PV	200	3021	0.05%	0.013%
18	5.103	5.094	5.119	VV	260	2740	0.04%	0.011%
19	5.136	5.119	5.164	VV	792	12435	0.19%	0.052%
20	5.199	5.164	5.207	VV	3624	37484	0.58%	0.156%
21	5.224	5.207	5.265	VV	13662	178509	2.76%	0.743%
22	5.286	5.265	5.332	VV	2782	34393	0.53%	0.143%
23	5.344	5.332	5.376	VV	302	4376	0.07%	0.018%
24	5.401	5.387	5.415	VV	148	1323	0.02%	0.006%
25	5.433	5.415	5.450	VV	838	8484	0.13%	0.035%
26	5.471	5.450	5.515	VV	1740	29495	0.46%	0.123%
27	5.523	5.515	5.547	VV	352	4942	0.08%	0.021%
28	5.554	5.547	5.580	VV	192	2518	0.04%	0.010%
29	5.587	5.580	5.609	VV	144	1438	0.02%	0.006%
30	5.626	5.609	5.644	VV	498	5088	0.08%	0.021%
31	5.663	5.644	5.687	VV	1164	14939	0.23%	0.062%
32	5.707	5.687	5.730	VV	5410	60780	0.94%	0.253%
33	5.740	5.730	5.752	VV	692	7202	0.11%	0.030%
34	5.768	5.752	5.793	VV	1450	17950	0.28%	0.075%
35	5.811	5.793	5.824	VV	349	4745	0.07%	0.020%
36	5.836	5.824	5.848	VV	613	6820	0.11%	0.028%

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37	5.857	5.848	5.888	VV	517	6642	0.10%	0.028%
38	5.923	5.888	5.954	PV	497	7201	0.11%	0.030%
39	5.976	5.954	5.997	PV	683	8064	0.12%	0.034%
40	6.038	6.014	6.073	VV	291	5534	0.09%	0.023%
41	6.135	6.086	6.170	VV	220	5815	0.09%	0.024%
42	6.182	6.170	6.197	VV	284	3244	0.05%	0.014%
43	6.204	6.197	6.212	VV	220	1468	0.02%	0.006%
44	6.244	6.212	6.280	VV	932	22129	0.34%	0.092%
45	6.297	6.280	6.320	VV	1209	17213	0.27%	0.072%
46	6.343	6.320	6.379	VV	3165	41999	0.65%	0.175%
47	6.388	6.379	6.394	VV	442	3347	0.05%	0.014%
48	6.413	6.394	6.437	VV	905	14097	0.22%	0.059%
49	6.481	6.437	6.526	VV	1330	32534	0.50%	0.135%
50	6.543	6.526	6.580	VV	420	10167	0.16%	0.042%
51	6.586	6.580	6.623	VV	335	5488	0.08%	0.023%
52	6.634	6.623	6.647	VV	225	2413	0.04%	0.010%
53	6.658	6.647	6.675	VV	271	3306	0.05%	0.014%
54	6.700	6.675	6.729	VV	2717	34931	0.54%	0.145%
55	6.739	6.729	6.765	VV	465	7429	0.11%	0.031%
56	6.787	6.765	6.806	VV	2015	26299	0.41%	0.110%
57	6.822	6.806	6.836	VV	1405	16188	0.25%	0.067%
58	6.854	6.836	6.875	VV	4283	47231	0.73%	0.197%
59	6.888	6.875	6.908	VV	1232	13569	0.21%	0.057%
60	6.929	6.908	6.949	VV	2346	25999	0.40%	0.108%
61	6.960	6.949	7.000	VV	414	6306	0.10%	0.026%
62	7.032	7.000	7.051	VV	374	6165	0.10%	0.026%
63	7.082	7.058	7.102	VV	451	7352	0.11%	0.031%
64	7.111	7.102	7.120	VV	251	1718	0.03%	0.007%
65	7.156	7.120	7.188	VV	1899	24001	0.37%	0.100%
66	7.210	7.188	7.227	VV	2975	39546	0.61%	0.165%
67	7.252	7.227	7.269	VV	3457	62889	0.97%	0.262%
68	7.276	7.269	7.310	VV	2284	28560	0.44%	0.119%
69	7.341	7.310	7.366	VV	3909	55094	0.85%	0.229%
70	7.388	7.366	7.412	VV	1262	19199	0.30%	0.080%
71	7.423	7.412	7.435	VV	454	4965	0.08%	0.021%
72	7.447	7.435	7.474	VV	699	8199	0.13%	0.034%
73	7.505	7.474	7.539	VV	6258	73038	1.13%	0.304%
74	7.567	7.539	7.598	VV	1058	19983	0.31%	0.083%
75	7.616	7.598	7.630	VV	1489	16636	0.26%	0.069%
76	7.649	7.630	7.669	VV	1767	24195	0.37%	0.101%
77	7.686	7.669	7.698	VV	763	9576	0.15%	0.040%
78	7.714	7.698	7.727	VV	1105	14973	0.23%	0.062%
79	7.743	7.727	7.776	VV	2026	22779	0.35%	0.095%
80	7.809	7.776	7.841	VV	445	9331	0.14%	0.039%
81	7.866	7.841	7.872	VV	276	3225	0.05%	0.013%
82	7.888	7.872	7.896	VV	531	5087	0.08%	0.021%
83	7.916	7.896	7.934	VV	2716	31132	0.48%	0.130%
84	7.964	7.934	8.039	VV	628499	6473365	100.00%	26.958%
85	8.043	8.039	8.098	VV	3164	85192	1.32%	0.355%
86	8.105	8.098	8.167	VV	1797	50802	0.78%	0.212%
87	8.179	8.167	8.206	VV	1189	21101	0.33%	0.088%
88	8.227	8.206	8.262	VV	2170	33567	0.52%	0.140%
89	8.272	8.262	8.300	VV	772	11141	0.17%	0.046%

90	8.322	8.300	8.382	VV	959	25146	0.39%	0.105%
91	8.387	8.382	8.402	VV	374	3924	0.06%	0.016%
92	8.433	8.402	8.469	VV	699	17124	0.26%	0.071%
93	8.477	8.469	8.497	VV	365	5057	0.08%	0.021%
94	8.536	8.497	8.555	VV	2194	32443	0.50%	0.135%
95	8.565	8.555	8.579	VV	671	8278	0.13%	0.034%
96	8.600	8.579	8.612	VV	784	11343	0.18%	0.047%
97	8.631	8.612	8.638	VV	1301	14778	0.23%	0.062%
98	8.647	8.638	8.666	VV	1387	19833	0.31%	0.083%
99	8.686	8.666	8.711	VV	1218	20479	0.32%	0.085%
100	8.732	8.711	8.752	VV	1200	15240	0.24%	0.063%
101	8.770	8.752	8.809	VV	1129	14437	0.22%	0.060%
102	8.842	8.809	8.977	PV	321178	3912286	60.44%	16.292%
103	8.988	8.977	9.013	VV	2531	50970	0.79%	0.212%
104	9.028	9.013	9.043	VV	2354	36073	0.56%	0.150%
105	9.051	9.043	9.065	VV	2101	24558	0.38%	0.102%
106	9.079	9.065	9.125	VV	2493	65404	1.01%	0.272%
107	9.142	9.125	9.176	VV	1402	27005	0.42%	0.112%
108	9.194	9.176	9.217	VV	1057	18621	0.29%	0.078%
109	9.266	9.217	9.332	VV	88310	1013103	15.65%	4.219%
110	9.344	9.332	9.351	VV	1911	20500	0.32%	0.085%
111	9.380	9.351	9.411	VV	4440	90076	1.39%	0.375%
112	9.421	9.411	9.437	VV	1175	16650	0.26%	0.069%
113	9.452	9.437	9.483	VV	1488	24320	0.38%	0.101%
114	9.502	9.483	9.530	VV	957	13652	0.21%	0.057%
115	9.556	9.530	9.568	VV	671	9070	0.14%	0.038%
116	9.595	9.568	9.630	VV	1094	22813	0.35%	0.095%
117	9.650	9.630	9.660	VV	830	9775	0.15%	0.041%
118	9.670	9.660	9.707	VV	817	12356	0.19%	0.051%
119	9.733	9.707	9.775	VV	1705	31384	0.48%	0.131%
120	9.809	9.775	9.829	VV	465	9921	0.15%	0.041%
121	9.830	9.829	9.854	VV	419	3396	0.05%	0.014%
122	9.873	9.854	9.898	VV	1005	12780	0.20%	0.053%
123	9.903	9.898	9.916	VV	196	1365	0.02%	0.006%
124	9.938	9.916	9.944	VV	416	4212	0.07%	0.018%
125	9.945	9.944	9.962	VV	402	2893	0.04%	0.012%
126	9.982	9.962	10.000	VV	1941	23158	0.36%	0.096%
127	10.022	10.000	10.128	VV	7589	164689	2.54%	0.686%
128	10.149	10.128	10.197	VV	1635	28536	0.44%	0.119%
129	10.221	10.203	10.286	VV	805	27064	0.42%	0.113%
130	10.296	10.286	10.306	VV	408	4185	0.06%	0.017%
131	10.320	10.306	10.340	VV	506	6881	0.11%	0.029%
132	10.354	10.340	10.359	VV	252	2065	0.03%	0.009%
133	10.363	10.359	10.377	VV	264	1849	0.03%	0.008%
134	10.427	10.377	10.443	VV	531	7961	0.12%	0.033%
135	10.472	10.443	10.486	VV	763	12670	0.20%	0.053%
136	10.495	10.486	10.514	VV	623	8839	0.14%	0.037%
137	10.520	10.514	10.532	VV	535	5359	0.08%	0.022%
138	10.545	10.532	10.561	VV	880	11584	0.18%	0.048%
139	10.583	10.561	10.600	VV	828	14279	0.22%	0.059%
140	10.617	10.600	10.625	VV	547	7558	0.12%	0.031%
141	10.631	10.625	10.652	VV	583	7679	0.12%	0.032%

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142	10.666	10.652	10.688	VV	831	11409	0.18%	0.048%
143	10.713	10.688	10.722	VV	375	5627	0.09%	0.023%
144	10.751	10.722	10.763	VV	800	12711	0.20%	0.053%
145	10.777	10.763	10.804	VV	775	14702	0.23%	0.061%
146	10.824	10.804	10.833	VV	965	13160	0.20%	0.055%
147	10.837	10.833	10.854	VV	1029	10967	0.17%	0.046%
148	10.888	10.854	10.927	VV	1357	39285	0.61%	0.164%
149	10.946	10.927	10.970	VV	923	16468	0.25%	0.069%
150	10.977	10.970	10.994	VV	644	7980	0.12%	0.033%
151	11.020	10.994	11.042	VV	2156	36074	0.56%	0.150%
152	11.048	11.042	11.067	VV	440	5826	0.09%	0.024%
153	11.083	11.067	11.089	VV	607	6510	0.10%	0.027%
154	11.107	11.089	11.157	VV	1924	35432	0.55%	0.148%
155	11.179	11.157	11.200	VV	1138	19549	0.30%	0.081%
156	11.208	11.200	11.245	VV	853	17067	0.26%	0.071%
157	11.263	11.245	11.272	VV	602	8073	0.12%	0.034%
158	11.293	11.272	11.298	VV	630	8801	0.14%	0.037%
159	11.319	11.298	11.337	VV	1165	18491	0.29%	0.077%
160	11.348	11.337	11.367	VV	590	7804	0.12%	0.032%
161	11.385	11.367	11.422	VV	383	7927	0.12%	0.033%
162	11.426	11.422	11.441	VV	204	1636	0.03%	0.007%
163	11.458	11.441	11.466	VV	197	1918	0.03%	0.008%
164	11.475	11.466	11.480	VV	184	1033	0.02%	0.004%
165	11.488	11.480	11.497	VV	126	1113	0.02%	0.005%
166	11.529	11.497	11.550	VV	633	9917	0.15%	0.041%
167	11.598	11.550	11.616	VV	1490	24838	0.38%	0.103%
168	11.620	11.616	11.653	VV	491	6410	0.10%	0.027%
169	11.675	11.653	11.734	VV	1078	20913	0.32%	0.087%
170	11.754	11.734	11.774	VV	710	8917	0.14%	0.037%
171	11.789	11.774	11.812	VV	290	4952	0.08%	0.021%
172	11.815	11.812	11.857	VV	192	3669	0.06%	0.015%
173	11.914	11.857	11.974	PV	414523	4722029	72.95%	19.664%
174	11.987	11.974	12.007	VV	1347	21841	0.34%	0.091%
175	12.029	12.007	12.035	VV	1602	20854	0.32%	0.087%
176	12.036	12.035	12.049	VV	1567	11823	0.18%	0.049%
177	12.077	12.049	12.140	VV	2585	60605	0.94%	0.252%
178	12.149	12.140	12.159	VV	429	4247	0.07%	0.018%
179	12.168	12.159	12.176	VV	417	3673	0.06%	0.015%
180	12.200	12.176	12.207	VV	479	7551	0.12%	0.031%
181	12.261	12.207	12.284	VV	1611	41943	0.65%	0.175%
182	12.288	12.284	12.293	VV	594	2985	0.05%	0.012%
183	12.321	12.293	12.352	VV	11034	147363	2.28%	0.614%
184	12.360	12.352	12.384	VV	1223	16607	0.26%	0.069%
185	12.403	12.384	12.415	VV	755	10198	0.16%	0.042%
186	12.428	12.415	12.447	VV	597	8992	0.14%	0.037%
187	12.471	12.447	12.498	VV	2322	45546	0.70%	0.190%
188	12.528	12.498	12.610	VV	74220	969354	14.97%	4.037%
189	12.617	12.610	12.653	VV	974	22466	0.35%	0.094%
190	12.682	12.653	12.722	VV	927	33254	0.51%	0.138%
191	12.726	12.722	12.731	VV	784	3979	0.06%	0.017%
192	12.770	12.731	12.816	VV	5426	95108	1.47%	0.396%
193	12.847	12.816	12.877	VV	1301	25029	0.39%	0.104%
194	12.881	12.877	12.885	VV	306	1320	0.02%	0.005%

195	12.910	12.885	12.935	VV	1924	28022	0.43%	0.117%
196	12.941	12.935	12.945	VV	427	2328	0.04%	0.010%
197	12.976	12.945	13.028	VV	4788	72457	1.12%	0.302%
198	13.032	13.028	13.045	VV	314	2544	0.04%	0.011%
199	13.051	13.045	13.070	VV	243	2695	0.04%	0.011%
200	13.078	13.070	13.089	VV	162	1037	0.02%	0.004%
201	13.130	13.089	13.140	PV	211	2397	0.04%	0.010%
202	13.164	13.140	13.175	VV	417	5904	0.09%	0.025%
203	13.191	13.175	13.224	VV	493	10617	0.16%	0.044%
204	13.234	13.224	13.255	VV	410	5331	0.08%	0.022%
205	13.277	13.255	13.319	VV	723	17853	0.28%	0.074%
206	13.357	13.319	13.446	VV	63370	826143	12.76%	3.440%
207	13.451	13.446	13.470	VV	630	7688	0.12%	0.032%
208	13.477	13.470	13.499	VV	518	7836	0.12%	0.033%
209	13.525	13.499	13.552	VV	769	18684	0.29%	0.078%
210	13.579	13.552	13.619	VV	6766	98001	1.51%	0.408%
211	13.647	13.619	13.653	VV	549	8836	0.14%	0.037%
212	13.658	13.653	13.694	VV	481	7740	0.12%	0.032%
213	13.757	13.694	13.789	VV	3356	62384	0.96%	0.260%
214	13.795	13.789	13.801	VV	943	6543	0.10%	0.027%
215	13.812	13.801	13.837	VV	886	14209	0.22%	0.059%
216	13.862	13.837	13.886	VV	459	8890	0.14%	0.037%
217	13.908	13.886	13.919	VV	428	7007	0.11%	0.029%
218	13.935	13.919	13.949	VV	614	8399	0.13%	0.035%
219	13.985	13.949	14.007	VV	705	16410	0.25%	0.068%
220	14.066	14.007	14.089	VV	2579	46620	0.72%	0.194%
221	14.114	14.089	14.161	VV	1708	29161	0.45%	0.121%
222	14.168	14.161	14.195	VV	252	3317	0.05%	0.014%
223	14.210	14.195	14.267	VV	316	6439	0.10%	0.027%
224	14.338	14.285	14.342	PV	246	3472	0.05%	0.014%
225	14.350	14.342	14.353	VV	216	1353	0.02%	0.006%
226	14.370	14.353	14.386	VV	286	4574	0.07%	0.019%
227	14.390	14.386	14.402	VV	242	2055	0.03%	0.009%
228	14.406	14.402	14.426	VV	215	2783	0.04%	0.012%
229	14.453	14.426	14.492	VV	344	8886	0.14%	0.037%
230	14.549	14.492	14.600	VV	1288	38368	0.59%	0.160%
231	14.607	14.600	14.615	VV	440	3482	0.05%	0.015%
232	14.624	14.615	14.661	VV	368	8700	0.13%	0.036%
233	14.680	14.661	14.699	VV	555	8904	0.14%	0.037%
234	14.705	14.699	14.725	VV	345	4237	0.07%	0.018%
235	14.753	14.725	14.759	VV	835	12300	0.19%	0.051%
236	14.768	14.759	14.796	VV	791	14460	0.22%	0.060%
237	14.820	14.796	14.861	VV	581	19689	0.30%	0.082%
238	14.886	14.861	14.917	VV	495	12783	0.20%	0.053%
239	14.928	14.917	14.957	VV	408	7755	0.12%	0.032%
240	14.992	14.957	15.010	VV	559	14148	0.22%	0.059%
241	15.026	15.010	15.049	VV	557	10276	0.16%	0.043%
242	15.058	15.049	15.112	VV	460	10883	0.17%	0.045%
243	15.131	15.112	15.145	VV	287	4067	0.06%	0.017%
244	15.194	15.145	15.205	VV	1871	43731	0.68%	0.182%
245	15.217	15.205	15.243	VV	1812	30391	0.47%	0.127%
246	15.266	15.243	15.310	VV	2566	42846	0.66%	0.178%

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247	15.315	15.310	15.359	VV	283	5419	0.08%	0.023%
248	15.387	15.359	15.460	VV	428	12027	0.19%	0.050%
249	15.486	15.460	15.507	VV	233	2969	0.05%	0.012%
250	15.522	15.507	15.562	PV	226	3909	0.06%	0.016%
251	15.633	15.562	15.722	PV	8638	267131	4.13%	1.112%
252	15.757	15.722	15.849	VV	1445	47915	0.74%	0.200%
253	15.878	15.849	15.896	VV	416	8238	0.13%	0.034%
254	15.904	15.896	15.930	VV	271	5710	0.09%	0.024%
255	15.955	15.930	16.001	VV	374	10058	0.16%	0.042%
256	16.063	16.001	16.080	VV	421	12582	0.19%	0.052%
257	16.097	16.080	16.142	VV	555	12481	0.19%	0.052%
258	16.161	16.142	16.184	VV	427	8284	0.13%	0.034%
259	16.205	16.184	16.223	VV	781	13135	0.20%	0.055%
260	16.244	16.223	16.277	VV	1404	24566	0.38%	0.102%
261	16.303	16.277	16.364	VV	648	15360	0.24%	0.064%
262	16.382	16.364	16.414	VV	231	2669	0.04%	0.011%
263	16.458	16.414	16.475	PV	130	3059	0.05%	0.013%
264	16.681	16.475	16.714	VV	934	35137	0.54%	0.146%
265	16.728	16.714	16.780	VV	601	13970	0.22%	0.058%
266	16.810	16.780	16.842	VV	1007	18920	0.29%	0.079%
267	16.868	16.842	16.907	VV	1213	27396	0.42%	0.114%
268	16.927	16.907	16.993	VV	572	18631	0.29%	0.078%
269	17.030	16.993	17.064	VV	284	9154	0.14%	0.038%
270	17.089	17.064	17.107	VV	493	9474	0.15%	0.039%
271	17.115	17.107	17.134	VV	441	5552	0.09%	0.023%
272	17.163	17.134	17.179	VV	969	16683	0.26%	0.069%
273	17.197	17.179	17.217	VV	1558	24105	0.37%	0.100%
274	17.244	17.217	17.367	VV	6102	98766	1.53%	0.411%
275	17.386	17.367	17.409	VV	250	3062	0.05%	0.013%
276	17.426	17.409	17.455	VV	170	2420	0.04%	0.010%
277	17.465	17.455	17.483	VV	144	1139	0.02%	0.005%
278	17.530	17.483	17.576	PV	586	12179	0.19%	0.051%
279	17.646	17.576	17.699	VV	1516	39543	0.61%	0.165%
280	17.736	17.699	17.807	VV	481	15139	0.23%	0.063%
281	17.875	17.807	17.896	VV	391	9401	0.15%	0.039%
282	17.910	17.896	17.965	VV	302	6286	0.10%	0.026%
283	18.051	17.965	18.065	PV	923	19881	0.31%	0.083%
284	18.085	18.065	18.135	VV	2020	33834	0.52%	0.141%
285	18.176	18.135	18.247	VV	3007	56360	0.87%	0.235%
286	18.266	18.247	18.281	VV	304	4278	0.07%	0.018%
287	18.310	18.281	18.328	VV	248	3797	0.06%	0.016%
288	18.365	18.328	18.385	PV	330	6195	0.10%	0.026%
289	18.406	18.385	18.432	VV	474	6212	0.10%	0.026%
290	18.507	18.432	18.584	PV	3974	163399	2.52%	0.680%
291	18.606	18.584	18.640	VV	692	15381	0.24%	0.064%
292	18.643	18.640	18.669	VV	364	3174	0.05%	0.013%
293	18.722	18.669	18.740	PV	281	6423	0.10%	0.027%
294	18.775	18.740	18.834	VV	375	12568	0.19%	0.052%
295	18.921	18.834	18.989	PV	3106	92678	1.43%	0.386%

Sum of corrected areas: 24013090

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-18	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 22:56	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.17	J	1	8.28	30.0	ug/l	FC068480.D
Aliphatic C12-C16	Aliphatic C12-C16	28.2		1	13.5	20.0	ug/l	FC068480.D
Aliphatic C16-C21	Aliphatic C16-C21	7.69	J	1	8.34	30.0	ug/l	FC068480.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068480.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068480.D
Aromatic C10-C12	Aromatic C10-C12	13.6	J	1	2.07	20.0	ug/l	FG015606.D
Aromatic C12-C16	Aromatic C12-C16	18.8	J	1	4.26	30.0	ug/l	FG015606.D
Aromatic C16-C21	Aromatic C16-C21	50.8		1	8.27	50.0	ug/l	FG015606.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015606.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	83.2	J		38.4	180	ug/l	
Total EPH	Total EPH	126	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-006-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-18		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068480.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.17	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	28.2		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	7.69	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-18	Acq On:	01 Apr 2025 22:56
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP/AJ
Data file:	FC068480.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	581669	3.583	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2368018	14.079	200	ug/ml
Aliphatic C16-C21	9.743	13.096	659583	3.846	300	ug/ml
Aliphatic C21-C28	13.097	16.749	665760	3.942	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2072921	15.223	600	ug/ml
Aliphatic EPH	3.097	21.544	6347951	40.674		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	7255926	48.67		ug/ml
Aliphatic C9-C28	3.097	16.749	4275030	25.45	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068480.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:56
Operator : YP/AJ
Sample : Q1664-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.827	7255926	48.673 ug/ml
Spiked Amount 50.000		Recovery = 97.35%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

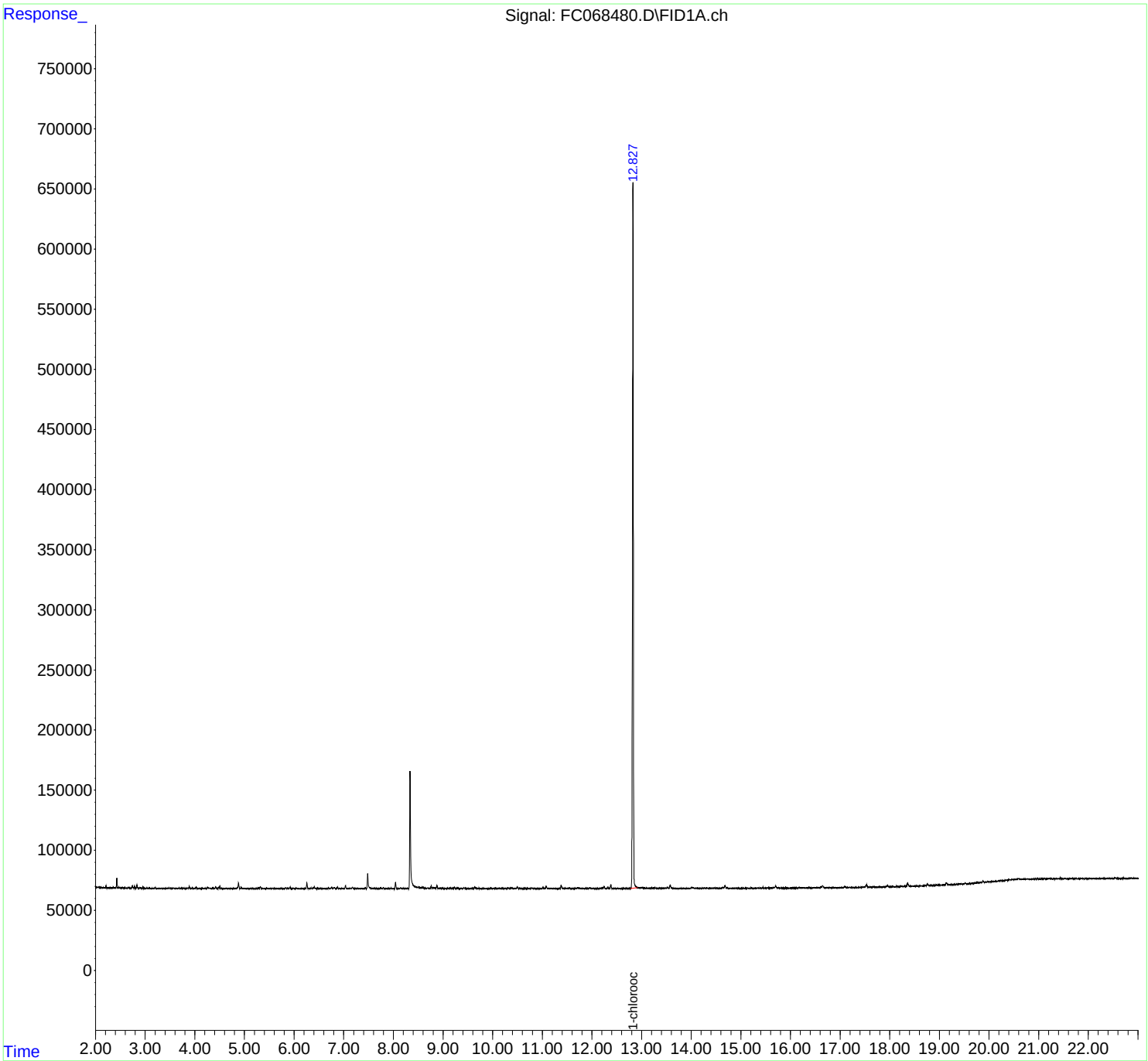
Quantitation Report (QT Reviewed)

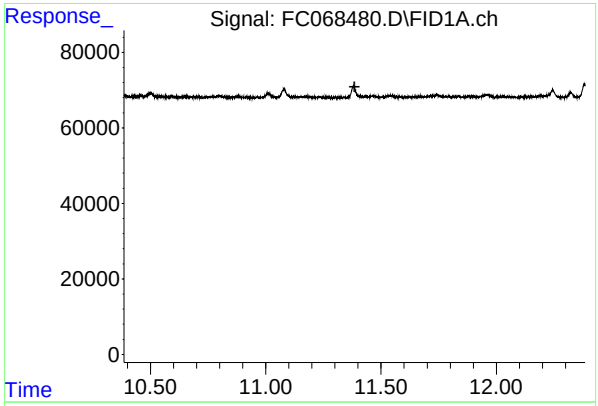
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068480.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:56
Operator : YP/AJ
Sample : Q1664-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Apr 02 03:01:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

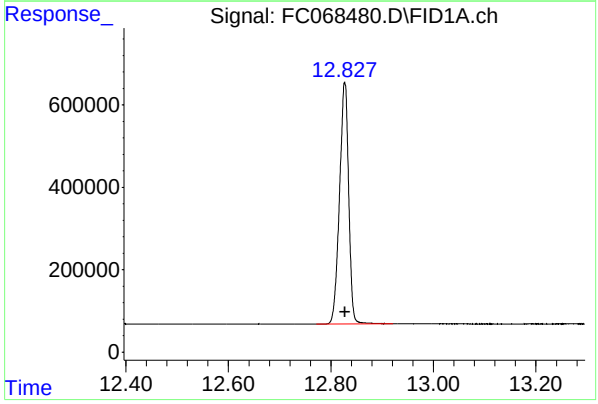




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-006-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 7255926
Conc: 48.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068480.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:56
Sample : Q1664-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.355	2.304	2.411	BV	562	5110	0.07%	0.036%
2	2.428	2.411	2.453	PV	8389	64888	0.89%	0.463%
3	2.469	2.453	2.537	VV	633	10198	0.14%	0.073%
4	2.551	2.537	2.571	PV	273	3062	0.04%	0.022%
5	2.588	2.571	2.634	VV	298	4319	0.06%	0.031%
6	2.653	2.634	2.718	VV	451	8506	0.12%	0.061%
7	2.739	2.718	2.768	VV	1842	27720	0.38%	0.198%
8	2.784	2.768	2.811	VV	1220	13057	0.18%	0.093%
9	2.833	2.811	2.893	VV	3030	30651	0.42%	0.219%
10	2.909	2.893	2.926	VV	292	3432	0.05%	0.025%
11	2.956	2.926	2.992	VV	1383	16547	0.23%	0.118%
12	3.022	2.992	3.041	VV	253	4230	0.06%	0.030%
13	3.091	3.065	3.161	PV	153	4560	0.06%	0.033%
14	3.201	3.161	3.231	VV	699	9715	0.13%	0.069%
15	3.240	3.231	3.266	VV	155	1827	0.02%	0.013%
16	3.295	3.266	3.396	VV	160	5446	0.07%	0.039%
17	3.414	3.396	3.454	VV	158	4154	0.06%	0.030%
18	3.492	3.454	3.508	VV	421	7444	0.10%	0.053%
19	3.518	3.508	3.543	VV	504	5167	0.07%	0.037%
20	3.565	3.543	3.631	PV	388	9641	0.13%	0.069%
21	3.637	3.631	3.671	VV	167	3052	0.04%	0.022%
22	3.688	3.671	3.719	VV	446	6705	0.09%	0.048%
23	3.728	3.719	3.746	VV	268	3065	0.04%	0.022%
24	3.768	3.746	3.824	VV	348	7626	0.10%	0.054%
25	3.859	3.824	3.870	VV	717	9367	0.13%	0.067%
26	3.886	3.870	3.932	VV	1648	19468	0.27%	0.139%
27	3.953	3.932	3.968	VV	352	4109	0.06%	0.029%
28	3.982	3.968	3.990	VV	171	1755	0.02%	0.013%
29	4.030	3.990	4.052	VV	1151	18860	0.26%	0.135%
30	4.071	4.052	4.148	VV	266	7009	0.10%	0.050%
31	4.159	4.148	4.168	VV	120	1167	0.02%	0.008%
32	4.177	4.168	4.194	VV	171	2479	0.03%	0.018%
33	4.205	4.194	4.230	VV	280	3247	0.04%	0.023%
34	4.254	4.230	4.284	VV	1486	19331	0.26%	0.138%
35	4.292	4.284	4.338	VV	412	7720	0.11%	0.055%
36	4.365	4.338	4.391	VV	463	8304	0.11%	0.059%

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37	4.419	4.391	4.442	VV	1596	19961	0.27%	0.143%
38	4.474	4.442	4.491	VV	1310	16481	0.22%	0.118%
39	4.504	4.491	4.538	VV	2263	22524	0.31%	0.161%
40	4.574	4.538	4.608	VV	160	3966	0.05%	0.028%
41	4.618	4.608	4.649	VV	271	3986	0.05%	0.028%
42	4.659	4.649	4.681	VV	105	1597	0.02%	0.011%
43	4.703	4.681	4.738	VV	210	3927	0.05%	0.028%
44	4.802	4.738	4.838	VV	326	8067	0.11%	0.058%
45	4.880	4.838	4.912	VV	4683	65840	0.90%	0.470%
46	4.936	4.912	5.024	VV	1040	20150	0.27%	0.144%
47	5.048	5.024	5.061	VV	177	2503	0.03%	0.018%
48	5.072	5.061	5.099	VV	349	4583	0.06%	0.033%
49	5.132	5.099	5.144	VV	244	4823	0.07%	0.034%
50	5.149	5.144	5.162	VV	215	1988	0.03%	0.014%
51	5.190	5.162	5.211	VV	244	4550	0.06%	0.032%
52	5.244	5.211	5.263	VV	231	3800	0.05%	0.027%
53	5.282	5.263	5.300	VV	856	10826	0.15%	0.077%
54	5.321	5.300	5.354	VV	1773	23205	0.32%	0.166%
55	5.379	5.354	5.411	VV	401	6394	0.09%	0.046%
56	5.462	5.411	5.510	VV	378	9788	0.13%	0.070%
57	5.529	5.510	5.542	VV	231	2367	0.03%	0.017%
58	5.571	5.542	5.600	VV	409	7828	0.11%	0.056%
59	5.624	5.600	5.668	VV	218	5804	0.08%	0.041%
60	5.687	5.668	5.718	VV	148	1887	0.03%	0.013%
61	5.731	5.718	5.751	PV	255	2977	0.04%	0.021%
62	5.782	5.751	5.793	VV	235	3286	0.04%	0.023%
63	5.836	5.793	5.856	VV	651	12880	0.18%	0.092%
64	5.876	5.856	5.898	VV	747	10091	0.14%	0.072%
65	5.919	5.898	5.962	VV	1383	19986	0.27%	0.143%
66	5.980	5.962	6.026	VV	642	11748	0.16%	0.084%
67	6.049	6.026	6.089	VV	468	9989	0.14%	0.071%
68	6.098	6.089	6.118	VV	164	1614	0.02%	0.012%
69	6.153	6.118	6.194	VV	215	7020	0.10%	0.050%
70	6.212	6.194	6.233	VV	228	4244	0.06%	0.030%
71	6.258	6.233	6.320	VV	5038	63896	0.87%	0.456%
72	6.340	6.320	6.359	VV	814	10435	0.14%	0.075%
73	6.375	6.359	6.388	VV	626	7143	0.10%	0.051%
74	6.405	6.388	6.427	VV	1632	19633	0.27%	0.140%
75	6.439	6.427	6.458	VV	627	7218	0.10%	0.052%
76	6.478	6.458	6.502	VV	929	11803	0.16%	0.084%
77	6.536	6.502	6.568	VV	231	6989	0.10%	0.050%
78	6.573	6.568	6.621	VV	215	5491	0.07%	0.039%
79	6.629	6.621	6.678	VV	265	6757	0.09%	0.048%
80	6.697	6.678	6.725	PV	754	9627	0.13%	0.069%
81	6.750	6.725	6.788	VV	1063	22481	0.31%	0.161%
82	6.814	6.788	6.841	VV	860	18265	0.25%	0.130%
83	6.876	6.841	6.904	VV	1304	22901	0.31%	0.164%
84	6.917	6.904	6.937	VV	403	4137	0.06%	0.030%
85	6.976	6.937	7.001	VV	313	8064	0.11%	0.058%
86	7.036	7.001	7.066	VV	2866	33324	0.45%	0.238%
87	7.097	7.066	7.127	VV	414	8860	0.12%	0.063%
88	7.144	7.127	7.155	VV	510	6226	0.08%	0.044%
89	7.177	7.155	7.199	VV	1500	19910	0.27%	0.142%

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90	7.212	7.199	7.224	VV	309	4022	0.05%	0.029%
91	7.239	7.224	7.252	VV	456	6146	0.08%	0.044%
92	7.266	7.252	7.321	VV	625	11434	0.16%	0.082%
93	7.341	7.321	7.365	VV	212	4185	0.06%	0.030%
94	7.388	7.365	7.408	VV	175	2764	0.04%	0.020%
95	7.436	7.408	7.461	VV	1078	13992	0.19%	0.100%
96	7.484	7.461	7.564	VV	12491	170074	2.32%	1.214%
97	7.573	7.564	7.620	VV	408	11309	0.15%	0.081%
98	7.631	7.620	7.684	VV	371	9653	0.13%	0.069%
99	7.695	7.684	7.712	VV	357	3837	0.05%	0.027%
100	7.741	7.712	7.767	VV	1028	13558	0.18%	0.097%
101	7.797	7.767	7.820	VV	1178	14585	0.20%	0.104%
102	7.832	7.820	7.855	VV	349	4928	0.07%	0.035%
103	7.863	7.855	7.880	VV	160	1975	0.03%	0.014%
104	7.898	7.880	7.934	VV	278	4084	0.06%	0.029%
105	7.951	7.934	7.991	VV	692	10186	0.14%	0.073%
106	8.044	7.991	8.111	VV	5319	73001	1.00%	0.521%
107	8.146	8.111	8.174	VV	633	14388	0.20%	0.103%
108	8.193	8.174	8.214	VV	493	7339	0.10%	0.052%
109	8.237	8.214	8.256	VV	411	5745	0.08%	0.041%
110	8.275	8.256	8.307	VV	611	7369	0.10%	0.053%
111	8.338	8.307	8.487	VV	97671	1344511	18.35%	9.599%
112	8.500	8.487	8.521	VV	1373	24206	0.33%	0.173%
113	8.531	8.521	8.568	VV	1075	27647	0.38%	0.197%
114	8.585	8.568	8.630	VV	1279	34290	0.47%	0.245%
115	8.644	8.630	8.678	VV	710	13379	0.18%	0.096%
116	8.694	8.678	8.721	VV	700	11828	0.16%	0.084%
117	8.763	8.721	8.782	VV	2133	33056	0.45%	0.236%
118	8.799	8.782	8.812	VV	1155	15556	0.21%	0.111%
119	8.820	8.812	8.846	VV	922	15298	0.21%	0.109%
120	8.877	8.846	8.914	VV	2437	45967	0.63%	0.328%
121	8.950	8.914	8.974	VV	811	15891	0.22%	0.113%
122	8.998	8.974	9.030	VV	586	11005	0.15%	0.079%
123	9.051	9.030	9.064	VV	328	5520	0.08%	0.039%
124	9.101	9.064	9.130	VV	429	13279	0.18%	0.095%
125	9.164	9.130	9.208	VV	650	17313	0.24%	0.124%
126	9.227	9.208	9.262	VV	1106	18740	0.26%	0.134%
127	9.286	9.262	9.315	VV	490	9965	0.14%	0.071%
128	9.324	9.315	9.347	VV	273	4324	0.06%	0.031%
129	9.371	9.347	9.401	VV	606	11048	0.15%	0.079%
130	9.421	9.401	9.501	VV	922	19851	0.27%	0.142%
131	9.511	9.501	9.531	VV	244	2962	0.04%	0.021%
132	9.563	9.531	9.598	VV	542	10926	0.15%	0.078%
133	9.642	9.598	9.691	VV	1737	33854	0.46%	0.242%
134	9.713	9.691	9.769	VV	390	14199	0.19%	0.101%
135	9.781	9.769	9.799	VV	232	3940	0.05%	0.028%
136	9.807	9.799	9.863	VV	249	5026	0.07%	0.036%
137	9.921	9.863	9.934	VV	302	6756	0.09%	0.048%
138	9.957	9.934	9.993	VV	509	11332	0.15%	0.081%
139	10.032	9.993	10.051	VV	491	11857	0.16%	0.085%
140	10.065	10.051	10.088	VV	479	8033	0.11%	0.057%
141	10.116	10.088	10.131	VV	349	7619	0.10%	0.054%

142	10.148	10.131	10.165	VV	558	8111	0.11%	0.058%
143	10.174	10.165	10.214	VV	258	6034	0.08%	0.043%
144	10.237	10.214	10.249	VV	468	6768	0.09%	0.048%
145	10.268	10.249	10.286	VV	413	7754	0.11%	0.055%
146	10.313	10.286	10.354	VV	570	16467	0.22%	0.118%
147	10.381	10.354	10.411	VV	695	16531	0.23%	0.118%
148	10.429	10.411	10.444	VV	469	7486	0.10%	0.053%
149	10.460	10.444	10.471	VV	473	6621	0.09%	0.047%
150	10.500	10.471	10.525	VV	1294	23433	0.32%	0.167%
151	10.548	10.525	10.564	VV	401	6971	0.10%	0.050%
152	10.597	10.564	10.612	VV	384	7461	0.10%	0.053%
153	10.622	10.612	10.635	VV	248	2770	0.04%	0.020%
154	10.662	10.635	10.676	VV	335	5324	0.07%	0.038%
155	10.697	10.676	10.709	VV	279	4225	0.06%	0.030%
156	10.716	10.709	10.731	VV	237	2130	0.03%	0.015%
157	10.745	10.731	10.754	VV	242	2672	0.04%	0.019%
158	10.797	10.754	10.818	VV	524	12550	0.17%	0.090%
159	10.828	10.818	10.870	VV	217	5390	0.07%	0.038%
160	10.880	10.870	10.905	VV	279	3426	0.05%	0.024%
161	10.917	10.905	10.934	VV	107	1261	0.02%	0.009%
162	10.946	10.934	10.950	PV	94	425	0.01%	0.003%
163	11.011	10.950	11.046	VV	1142	20846	0.28%	0.149%
164	11.079	11.046	11.141	VV	2256	39359	0.54%	0.281%
165	11.173	11.141	11.218	VV	323	9800	0.13%	0.070%
166	11.232	11.218	11.254	VV	238	3124	0.04%	0.022%
167	11.264	11.254	11.278	VV	119	940	0.01%	0.007%
168	11.285	11.278	11.351	VV	111	3258	0.04%	0.023%
169	11.381	11.351	11.447	VV	3108	48867	0.67%	0.349%
170	11.462	11.447	11.498	VV	460	9881	0.13%	0.071%
171	11.542	11.498	11.631	VV	605	21079	0.29%	0.150%
172	11.668	11.631	11.681	VV	301	6643	0.09%	0.047%
173	11.741	11.681	11.788	VV	808	26504	0.36%	0.189%
174	11.793	11.788	11.811	VV	318	3876	0.05%	0.028%
175	11.834	11.811	11.860	VV	359	7557	0.10%	0.054%
176	11.879	11.860	11.922	VV	396	11231	0.15%	0.080%
177	11.959	11.922	11.994	VV	839	19455	0.27%	0.139%
178	12.022	11.994	12.090	VV	336	12419	0.17%	0.089%
179	12.193	12.090	12.210	VV	619	21360	0.29%	0.153%
180	12.244	12.210	12.291	VV	2013	35113	0.48%	0.251%
181	12.322	12.291	12.354	VV	1407	20778	0.28%	0.148%
182	12.381	12.354	12.471	VV	3492	52447	0.72%	0.374%
183	12.497	12.471	12.571	VV	279	8908	0.12%	0.064%
184	12.589	12.571	12.601	VV	151	1958	0.03%	0.014%
185	12.663	12.601	12.728	PV	387	15604	0.21%	0.111%
186	12.751	12.728	12.773	VV	220	4919	0.07%	0.035%
187	12.827	12.773	12.971	VV	590832	7328947	100.00%	52.326%
188	12.991	12.971	13.045	VV	1034	31589	0.43%	0.226%
189	13.055	13.045	13.089	VV	634	13695	0.19%	0.098%
190	13.104	13.089	13.139	VV	529	12735	0.17%	0.091%
191	13.152	13.139	13.163	VV	400	4999	0.07%	0.036%
192	13.189	13.163	13.237	VV	582	19078	0.26%	0.136%
193	13.261	13.237	13.304	VV	601	19735	0.27%	0.141%
194	13.367	13.304	13.398	VV	394	17620	0.24%	0.126%

195	13.436	13.398	13.480	VV	454	17843	0.24%	0.127%
196	13.527	13.480	13.551	VV	1213	26330	0.36%	0.188%
197	13.578	13.551	13.649	VV	3048	55267	0.75%	0.395%
198	13.689	13.649	13.711	VV	245	6704	0.09%	0.048%
199	13.721	13.711	13.729	VV	216	1767	0.02%	0.013%
200	13.743	13.729	13.762	VV	199	2721	0.04%	0.019%
201	13.826	13.762	13.854	VV	299	10876	0.15%	0.078%
202	13.871	13.854	13.897	VV	235	4734	0.06%	0.034%
203	13.911	13.897	13.924	VV	212	3182	0.04%	0.023%
204	13.949	13.924	13.958	VV	202	3631	0.05%	0.026%
205	13.969	13.958	13.973	VV	179	1641	0.02%	0.012%
206	14.016	13.973	14.123	VV	1226	37004	0.50%	0.264%
207	14.143	14.123	14.181	VV	461	9492	0.13%	0.068%
208	14.283	14.181	14.369	VV	394	31801	0.43%	0.227%
209	14.395	14.369	14.416	VV	381	8958	0.12%	0.064%
210	14.463	14.416	14.521	VV	447	19697	0.27%	0.141%
211	14.534	14.521	14.543	VV	282	3192	0.04%	0.023%
212	14.555	14.543	14.572	VV	274	3772	0.05%	0.027%
213	14.579	14.572	14.589	VV	248	1875	0.03%	0.013%
214	14.635	14.589	14.655	VV	905	18437	0.25%	0.132%
215	14.680	14.655	14.766	VV	2458	51801	0.71%	0.370%
216	14.782	14.766	14.831	VV	230	5807	0.08%	0.041%
217	14.855	14.831	14.901	VV	304	9059	0.12%	0.065%
218	14.917	14.901	14.951	VV	231	4634	0.06%	0.033%
219	14.987	14.951	15.006	VV	245	5309	0.07%	0.038%
220	15.012	15.006	15.032	VV	192	2217	0.03%	0.016%
221	15.067	15.032	15.098	PV	186	4831	0.07%	0.034%
222	15.115	15.098	15.149	VV	226	4572	0.06%	0.033%
223	15.200	15.149	15.244	VV	300	12523	0.17%	0.089%
224	15.251	15.244	15.274	VV	184	2541	0.03%	0.018%
225	15.401	15.274	15.418	VV	271	15845	0.22%	0.113%
226	15.425	15.418	15.434	VV	252	1666	0.02%	0.012%
227	15.453	15.434	15.484	VV	440	6447	0.09%	0.046%
228	15.551	15.484	15.632	VV	311	19798	0.27%	0.141%
229	15.660	15.632	15.676	VV	781	12277	0.17%	0.088%
230	15.698	15.676	15.770	VV	2054	40695	0.56%	0.291%
231	15.780	15.770	15.789	VV	185	1941	0.03%	0.014%
232	15.813	15.789	15.858	VV	190	5361	0.07%	0.038%
233	15.866	15.858	15.877	VV	168	1710	0.02%	0.012%
234	15.888	15.877	15.898	VV	170	1436	0.02%	0.010%
235	15.911	15.898	15.988	VV	210	5144	0.07%	0.037%
236	16.011	15.988	16.050	PV	149	3284	0.04%	0.023%
237	16.077	16.050	16.128	VV	201	4703	0.06%	0.034%
238	16.136	16.128	16.145	VV	148	940	0.01%	0.007%
239	16.183	16.145	16.250	VV	429	12063	0.16%	0.086%
240	16.258	16.250	16.330	VV	189	6748	0.09%	0.048%
241	16.339	16.330	16.345	VV	166	1249	0.02%	0.009%
242	16.371	16.345	16.409	VV	221	6339	0.09%	0.045%
243	16.422	16.409	16.464	VV	247	4158	0.06%	0.030%
244	16.479	16.464	16.488	VV	221	2405	0.03%	0.017%
245	16.496	16.488	16.517	VV	195	2588	0.04%	0.018%
246	16.531	16.517	16.544	VV	262	3299	0.05%	0.024%

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247	16.568	16.544	16.586	VV	275	5941	0.08%	0.042%
248	16.646	16.586	16.707	VV	1931	50651	0.69%	0.362%
249	16.719	16.707	16.734	VV	193	2687	0.04%	0.019%
250	16.752	16.734	16.778	VV	197	3593	0.05%	0.026%
251	16.798	16.778	16.809	VV	103	1389	0.02%	0.010%
252	16.862	16.809	16.906	VV	173	3686	0.05%	0.026%
253	16.928	16.906	16.958	PV	79	1546	0.02%	0.011%
254	16.990	16.958	17.028	VV	192	2893	0.04%	0.021%
255	17.040	17.028	17.058	VV	121	1102	0.02%	0.008%
256	17.095	17.058	17.136	VV	900	17597	0.24%	0.126%
257	17.169	17.136	17.241	VV	214	9147	0.12%	0.065%
258	17.362	17.241	17.391	VV	169	10709	0.15%	0.076%
259	17.531	17.391	17.584	VV	2408	57749	0.79%	0.412%
260	17.683	17.584	17.767	VV	230	13438	0.18%	0.096%
261	17.821	17.767	17.878	VV	201	7595	0.10%	0.054%
262	17.889	17.878	17.901	VV	134	1320	0.02%	0.009%
263	17.953	17.901	18.061	PV	1405	30706	0.42%	0.219%
264	18.075	18.061	18.106	VV	222	3535	0.05%	0.025%
265	18.223	18.106	18.261	VV	242	11474	0.16%	0.082%
266	18.362	18.261	18.468	VV	2394	56687	0.77%	0.405%
267	18.555	18.468	18.595	VV	123	6911	0.09%	0.049%
268	18.619	18.595	18.641	PV	142	2314	0.03%	0.017%
269	18.759	18.641	18.828	VV	1268	26645	0.36%	0.190%
270	18.840	18.828	18.857	VV	107	1461	0.02%	0.010%
271	18.956	18.857	18.973	PV	213	8047	0.11%	0.057%
272	19.143	18.973	19.200	VV	2037	51595	0.70%	0.368%
273	19.519	19.200	19.563	VV	899	44033	0.60%	0.314%
274	19.882	19.563	19.921	VV	1953	141710	1.93%	1.012%
275	20.241	19.921	20.271	VV	1890	257907	3.52%	1.841%
276	20.417	20.271	20.440	VV	2067	180136	2.46%	1.286%
277	20.593	20.440	20.644	VV	2835	266010	3.63%	1.899%
278	20.758	20.644	20.811	VV	2048	198735	2.71%	1.419%
279	20.925	20.811	20.954	VV	1791	157505	2.15%	1.125%
280	20.993	20.954	21.061	VV	1862	108404	1.48%	0.774%
281	21.198	21.061	21.294	VV	1503	200491	2.74%	1.431%
282	21.335	21.294	21.367	VV	1197	50825	0.69%	0.363%
283	21.437	21.367	21.488	VV	1474	86478	1.18%	0.617%
284	21.529	21.488	21.578	VV	970	49548	0.68%	0.354%
285	21.605	21.578	21.631	VV	837	26141	0.36%	0.187%
286	21.681	21.631	21.734	VV	814	44275	0.60%	0.316%
287	21.748	21.734	21.770	VV	615	11329	0.15%	0.081%
288	21.828	21.770	21.847	VV	473	19866	0.27%	0.142%
289	21.867	21.847	21.891	VV	417	9033	0.12%	0.064%
290	21.949	21.891	22.014	VV	294	17509	0.24%	0.125%
291	22.042	22.014	22.098	VV	153	4915	0.07%	0.035%

Sum of corrected areas: 14006252

Aliphatic EPH 032625.M Wed Apr 02 03:36:07 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-006-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-18		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015606.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		13.6	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16		18.8	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21		50.8		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36		23.8	U	23.8	80.0	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		49.6		40 - 140	99%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		51.5		40 - 140	103%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-18	Acq On:	01 Apr 2025 21:23
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP\AJ
Data file:	FG015606.D	Misc:	
Instrument:	FID_G	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	910836	6.797	200	ug/ml
Aromatic C12-C16	6.330	9.035	1288592	9.395	300	ug/ml
Aromatic C16-C21	9.036	13.365	3540653	25.397	500	ug/ml
Aromatic C21-C36	13.366	18.829	865341	6.647	800	ug/ml
Aromatic EPH	4.450	18.829	6605422	48.237		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	7503240	51.45		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6063779	49.64		ug/ml
2-Flurobiphenyl (SURR)	8.839	8.839	2920469	35.33		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015606.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:23
Operator : YP\AJ
Sample : Q1664-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:51 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...	7.961	6063779	49.640 ug/ml
Spiked Amount 50.000		Recovery =	99.28%
6) S 2-Flurobiphenyl (SURR)	8.839	2920469	35.332 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	70.66%
11) S ortho-Terphenyl (SURR)	11.912	7503240	51.452 ug/ml
Spiked Amount 50.000		Recovery =	102.90%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

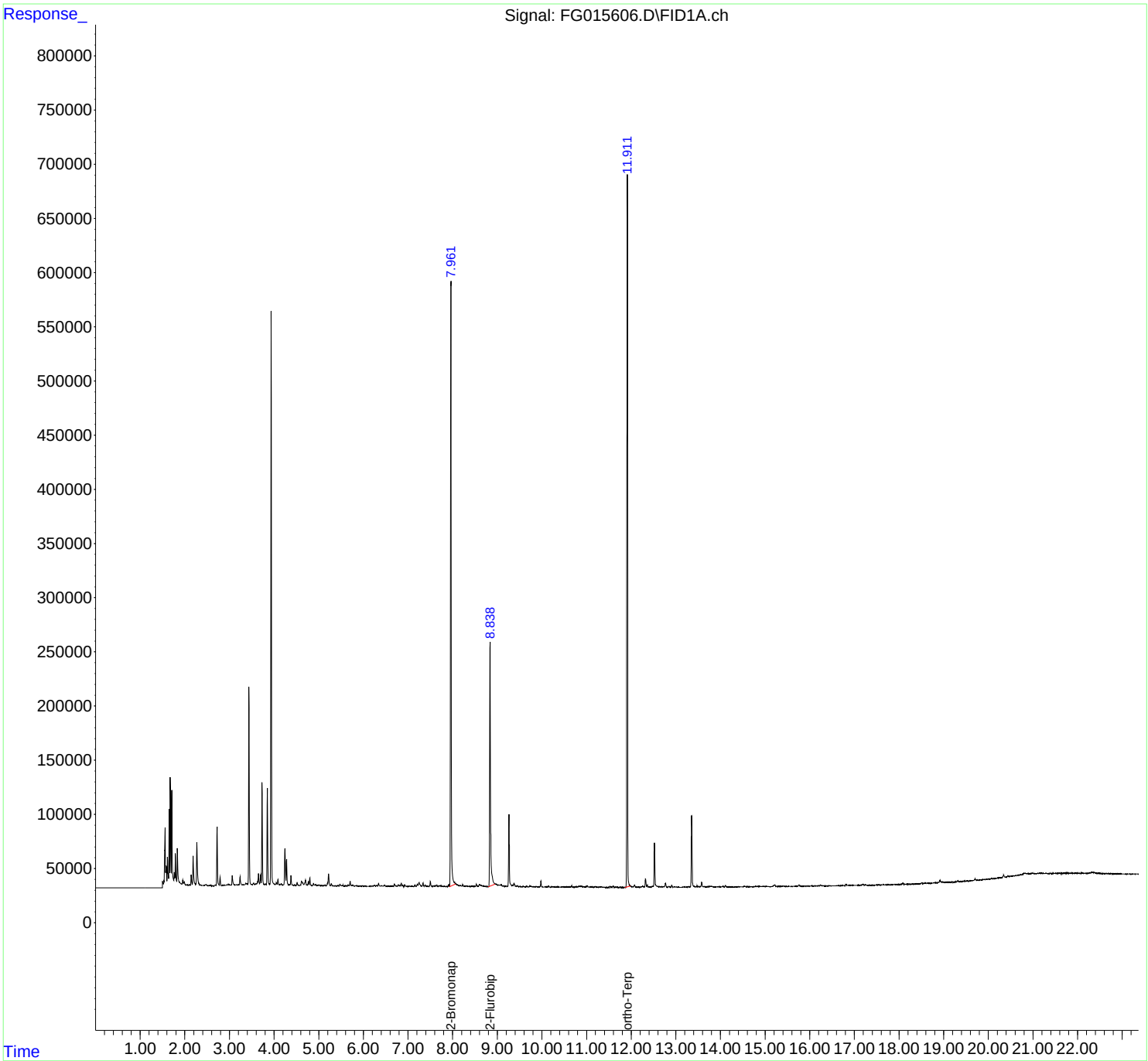
Quantitation Report (QT Reviewed)

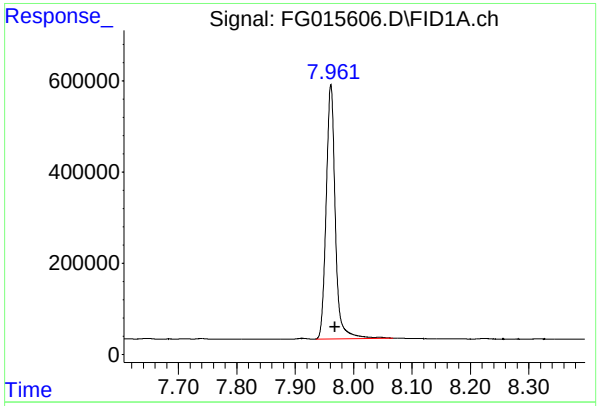
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015606.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:23
Operator : YP\AJ
Sample : Q1664-18
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-006-01

Integration File: autoint1.e
Quant Time: Apr 02 01:18:51 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

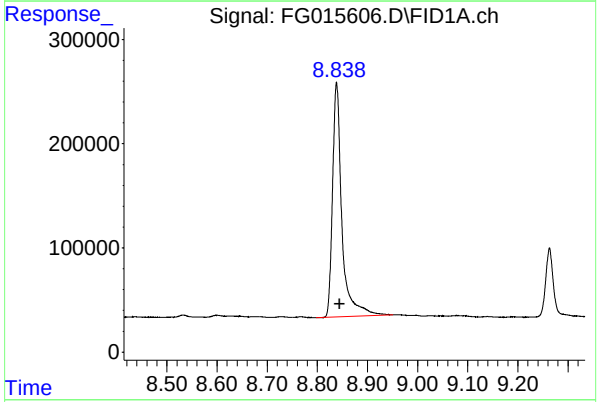




#4 2-Bromonaphthalene (SURR)

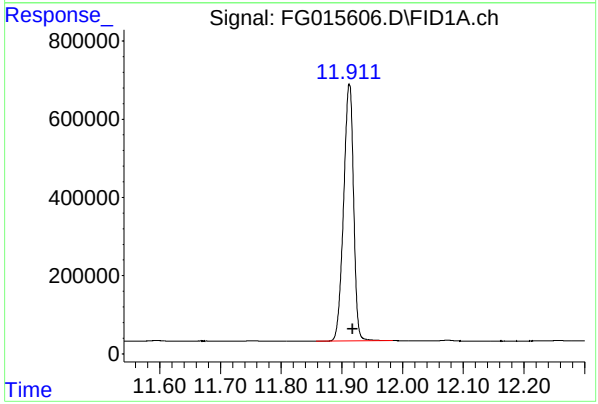
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 6063779
Conc: 49.64 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-006-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.839 min
Delta R.T.: -0.006 min
Response: 2920469
Conc: 35.33 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.005 min
Response: 7503240
Conc: 51.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015606.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:23
Sample : Q1664-18
Misc :
ALS Vial : 34 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	4.379	4.358	4.439	PV	8836	91688	1.21%	0.390%
2	4.459	4.446	4.493	VV	364	3674	0.05%	0.016%
3	4.516	4.493	4.569	PV	2706	33982	0.45%	0.145%
4	4.615	4.569	4.668	PV	4164	107136	1.41%	0.456%
5	4.705	4.668	4.729	VV	5276	93545	1.23%	0.398%
6	4.735	4.729	4.749	VV	664	6899	0.09%	0.029%
7	4.768	4.749	4.783	VV	3938	43769	0.58%	0.186%
8	4.801	4.783	4.864	VV	7378	88709	1.17%	0.378%
9	4.883	4.864	4.908	VV	2321	29937	0.40%	0.128%
10	4.930	4.908	4.961	VV	1083	21499	0.28%	0.092%
11	4.979	4.961	4.994	VV	608	8393	0.11%	0.036%
12	5.010	4.994	5.043	VV	811	12140	0.16%	0.052%
13	5.067	5.056	5.091	VV	199	2672	0.04%	0.011%
14	5.104	5.091	5.116	VV	204	2006	0.03%	0.009%
15	5.133	5.116	5.165	VV	696	11216	0.15%	0.048%
16	5.197	5.165	5.204	VV	2783	29510	0.39%	0.126%
17	5.222	5.204	5.258	VV	11264	147752	1.95%	0.629%
18	5.283	5.258	5.317	VV	2244	29582	0.39%	0.126%
19	5.337	5.327	5.380	VV	263	5154	0.07%	0.022%
20	5.394	5.380	5.416	PV	95	1378	0.02%	0.006%
21	5.429	5.416	5.451	VV	575	5984	0.08%	0.025%
22	5.474	5.451	5.517	VV	1512	29096	0.38%	0.124%
23	5.523	5.517	5.537	VV	387	4112	0.05%	0.018%
24	5.539	5.537	5.558	VV	743	3213	0.04%	0.014%
25	5.564	5.558	5.576	VV	202	1871	0.02%	0.008%
26	5.587	5.576	5.607	VV	295	3273	0.04%	0.014%
27	5.623	5.607	5.642	VV	381	4094	0.05%	0.017%
28	5.661	5.642	5.680	VV	1097	14057	0.19%	0.060%
29	5.704	5.680	5.727	VV	4457	52190	0.69%	0.222%
30	5.740	5.727	5.752	VV	679	9124	0.12%	0.039%
31	5.764	5.752	5.787	VV	1057	13489	0.18%	0.057%
32	5.814	5.787	5.820	VV	373	5195	0.07%	0.022%
33	5.834	5.820	5.846	VV	492	5881	0.08%	0.025%
34	5.856	5.846	5.907	VV	497	6324	0.08%	0.027%
35	5.926	5.907	5.949	VV	416	5174	0.07%	0.022%
36	5.973	5.949	5.997	VV	632	8034	0.11%	0.034%

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37	6.007	5.997	6.022	VV	164	1737	0.02%	0.007%
38	6.038	6.022	6.086	VV	301	5469	0.07%	0.023%
39	6.145	6.118	6.170	PV	299	5688	0.08%	0.024%
40	6.184	6.170	6.212	VV	316	6582	0.09%	0.028%
41	6.244	6.212	6.279	VV	936	23730	0.31%	0.101%
42	6.296	6.279	6.321	VV	1175	17566	0.23%	0.075%
43	6.341	6.321	6.383	VV	2806	41375	0.55%	0.176%
44	6.406	6.383	6.431	VV	753	14135	0.19%	0.060%
45	6.479	6.431	6.509	VV	1158	28559	0.38%	0.122%
46	6.524	6.509	6.541	VV	362	5669	0.07%	0.024%
47	6.552	6.541	6.586	VV	390	7629	0.10%	0.032%
48	6.591	6.586	6.600	VV	267	1976	0.03%	0.008%
49	6.616	6.600	6.649	VV	258	5992	0.08%	0.026%
50	6.697	6.649	6.724	VV	2458	37481	0.49%	0.160%
51	6.735	6.724	6.761	VV	504	8152	0.11%	0.035%
52	6.784	6.761	6.805	VV	1890	25748	0.34%	0.110%
53	6.819	6.805	6.833	VV	1217	13597	0.18%	0.058%
54	6.851	6.833	6.871	VV	3370	39130	0.52%	0.167%
55	6.884	6.871	6.907	VV	989	12087	0.16%	0.051%
56	6.926	6.907	6.946	VV	1891	21267	0.28%	0.091%
57	6.957	6.946	6.975	VV	455	5929	0.08%	0.025%
58	6.982	6.975	6.998	VV	273	2421	0.03%	0.010%
59	7.031	6.998	7.053	VV	529	8990	0.12%	0.038%
60	7.082	7.053	7.099	VV	633	9829	0.13%	0.042%
61	7.105	7.099	7.124	VV	260	2187	0.03%	0.009%
62	7.152	7.124	7.189	VV	1502	21761	0.29%	0.093%
63	7.210	7.189	7.224	VV	2195	30185	0.40%	0.129%
64	7.249	7.224	7.269	VV	3912	67453	0.89%	0.287%
65	7.272	7.269	7.306	VV	1946	21780	0.29%	0.093%
66	7.338	7.306	7.365	VV	3322	51165	0.68%	0.218%
67	7.385	7.365	7.409	VV	1499	22427	0.30%	0.096%
68	7.416	7.409	7.434	VV	447	5725	0.08%	0.024%
69	7.445	7.434	7.466	VV	524	6288	0.08%	0.027%
70	7.502	7.466	7.542	VV	4916	63272	0.84%	0.269%
71	7.565	7.542	7.595	VV	846	16680	0.22%	0.071%
72	7.613	7.595	7.627	VV	1079	13090	0.17%	0.056%
73	7.647	7.627	7.666	VV	1800	24235	0.32%	0.103%
74	7.685	7.666	7.694	VV	699	8384	0.11%	0.036%
75	7.710	7.694	7.724	VV	976	13010	0.17%	0.055%
76	7.740	7.724	7.764	VV	1549	18493	0.24%	0.079%
77	7.768	7.764	7.779	VV	221	1568	0.02%	0.007%
78	7.813	7.779	7.841	VV	433	10855	0.14%	0.046%
79	7.849	7.841	7.854	VV	305	1861	0.02%	0.008%
80	7.860	7.854	7.873	VV	344	3376	0.04%	0.014%
81	7.882	7.873	7.894	VV	376	4011	0.05%	0.017%
82	7.912	7.894	7.931	VV	2066	24692	0.33%	0.105%
83	7.961	7.931	8.035	VV	557875	6108768	80.64%	26.017%
84	8.045	8.035	8.095	VV	4466	110307	1.46%	0.470%
85	8.104	8.095	8.165	VV	1914	55448	0.73%	0.236%
86	8.178	8.165	8.205	VV	1157	21302	0.28%	0.091%
87	8.224	8.205	8.250	VV	1840	29224	0.39%	0.124%
88	8.257	8.250	8.273	VV	698	8644	0.11%	0.037%
89	8.282	8.273	8.295	VV	665	7534	0.10%	0.032%

90	8.317	8.295	8.341	VV	917	18388	0.24%	0.078%
91	8.355	8.341	8.396	VV	475	12875	0.17%	0.055%
92	8.437	8.396	8.469	VV	847	22057	0.29%	0.094%
93	8.470	8.469	8.494	VV	462	6084	0.08%	0.026%
94	8.532	8.494	8.577	VV	2459	46861	0.62%	0.200%
95	8.600	8.577	8.617	VV	2366	36407	0.48%	0.155%
96	8.627	8.617	8.641	VV	1649	21036	0.28%	0.090%
97	8.645	8.641	8.664	VV	1435	15981	0.21%	0.068%
98	8.682	8.664	8.712	VV	1058	19999	0.26%	0.085%
99	8.728	8.712	8.749	VV	997	14005	0.18%	0.060%
100	8.767	8.749	8.809	VV	923	13675	0.18%	0.058%
101	8.839	8.809	8.956	VV	225381	3061861	40.42%	13.040%
102	8.963	8.956	8.984	VV	2846	43099	0.57%	0.184%
103	8.993	8.984	9.014	VV	2312	36818	0.49%	0.157%
104	9.026	9.014	9.038	VV	1919	26384	0.35%	0.112%
105	9.046	9.038	9.061	VV	1839	23538	0.31%	0.100%
106	9.080	9.061	9.124	VV	2097	59054	0.78%	0.252%
107	9.140	9.124	9.175	VV	1229	25473	0.34%	0.108%
108	9.191	9.175	9.217	VV	970	18584	0.25%	0.079%
109	9.263	9.217	9.334	VV	66994	776763	10.25%	3.308%
110	9.376	9.334	9.410	VV	3570	89538	1.18%	0.381%
111	9.425	9.410	9.434	VV	994	12408	0.16%	0.053%
112	9.449	9.434	9.482	VV	1324	22786	0.30%	0.097%
113	9.497	9.482	9.532	VV	739	13719	0.18%	0.058%
114	9.547	9.532	9.569	VV	558	9718	0.13%	0.041%
115	9.587	9.569	9.627	VV	692	15198	0.20%	0.065%
116	9.648	9.627	9.656	VV	723	8257	0.11%	0.035%
117	9.667	9.656	9.696	VV	753	11249	0.15%	0.048%
118	9.702	9.696	9.707	VV	290	1604	0.02%	0.007%
119	9.730	9.707	9.746	VV	1239	18533	0.24%	0.079%
120	9.750	9.746	9.783	VV	699	10948	0.14%	0.047%
121	9.804	9.783	9.821	VV	422	8100	0.11%	0.034%
122	9.828	9.821	9.850	VV	424	5131	0.07%	0.022%
123	9.871	9.850	9.911	VV	791	12246	0.16%	0.052%
124	9.934	9.911	9.952	VV	389	6436	0.08%	0.027%
125	9.979	9.952	10.007	VV	5927	70489	0.93%	0.300%
126	10.014	10.007	10.047	VV	220	3390	0.04%	0.014%
127	10.069	10.047	10.127	VV	455	12751	0.17%	0.054%
128	10.148	10.127	10.180	VV	1291	18147	0.24%	0.077%
129	10.216	10.196	10.235	VV	479	7924	0.10%	0.034%
130	10.250	10.235	10.286	VV	472	10654	0.14%	0.045%
131	10.292	10.286	10.304	VV	284	2636	0.03%	0.011%
132	10.318	10.304	10.335	VV	362	4588	0.06%	0.020%
133	10.360	10.335	10.381	VV	567	9866	0.13%	0.042%
134	10.385	10.381	10.393	VV	246	1517	0.02%	0.006%
135	10.426	10.393	10.439	VV	293	5845	0.08%	0.025%
136	10.468	10.439	10.492	VV	530	11362	0.15%	0.048%
137	10.497	10.492	10.509	VV	367	2946	0.04%	0.013%
138	10.541	10.509	10.557	VV	583	12068	0.16%	0.051%
139	10.575	10.557	10.602	VV	642	11751	0.16%	0.050%
140	10.610	10.602	10.643	VV	468	9677	0.13%	0.041%
141	10.663	10.643	10.688	VV	1368	17702	0.23%	0.075%

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142	10.698	10.688	10.711	VV	243	2846	0.04%	0.012%
143	10.745	10.718	10.764	VV	627	11385	0.15%	0.048%
144	10.776	10.764	10.798	VV	663	10274	0.14%	0.044%
145	10.820	10.798	10.847	VV	1095	23432	0.31%	0.100%
146	10.854	10.847	10.862	VV	893	8026	0.11%	0.034%
147	10.868	10.862	10.872	VV	919	4830	0.06%	0.021%
148	10.888	10.872	10.924	VV	1231	27807	0.37%	0.118%
149	10.945	10.924	10.965	VV	728	12724	0.17%	0.054%
150	10.971	10.965	10.982	VV	492	4452	0.06%	0.019%
151	11.015	10.982	11.061	VV	1654	35345	0.47%	0.151%
152	11.080	11.061	11.090	VV	490	7396	0.10%	0.031%
153	11.105	11.090	11.134	VV	756	13853	0.18%	0.059%
154	11.139	11.134	11.157	VV	341	3352	0.04%	0.014%
155	11.199	11.157	11.242	VV	666	23666	0.31%	0.101%
156	11.252	11.242	11.269	VV	444	5545	0.07%	0.024%
157	11.288	11.269	11.293	VV	452	5334	0.07%	0.023%
158	11.315	11.293	11.331	VV	817	13457	0.18%	0.057%
159	11.341	11.331	11.367	VV	495	7198	0.10%	0.031%
160	11.393	11.367	11.445	VV	270	6521	0.09%	0.028%
161	11.462	11.445	11.487	PV	139	1452	0.02%	0.006%
162	11.525	11.497	11.553	PV	1096	15309	0.20%	0.065%
163	11.595	11.553	11.621	VV	1615	25714	0.34%	0.110%
164	11.668	11.629	11.734	VV	525	16356	0.22%	0.070%
165	11.752	11.734	11.781	VV	1015	12749	0.17%	0.054%
166	11.819	11.802	11.858	VV	163	3083	0.04%	0.013%
167	11.912	11.858	12.004	PV	656944	7575711	100.00%	32.265%
168	12.007	12.004	12.042	VV	1170	18926	0.25%	0.081%
169	12.074	12.042	12.101	VV	2395	41709	0.55%	0.178%
170	12.105	12.101	12.117	VV	372	3147	0.04%	0.013%
171	12.122	12.117	12.141	VV	364	4092	0.05%	0.017%
172	12.163	12.141	12.173	VV	390	6344	0.08%	0.027%
173	12.179	12.173	12.186	VV	325	2401	0.03%	0.010%
174	12.194	12.186	12.204	VV	384	3743	0.05%	0.016%
175	12.256	12.204	12.291	VV	1522	38999	0.51%	0.166%
176	12.320	12.291	12.346	VV	7906	107871	1.42%	0.459%
177	12.359	12.346	12.387	VV	2122	30675	0.40%	0.131%
178	12.396	12.387	12.419	VV	559	8826	0.12%	0.038%
179	12.422	12.419	12.447	VV	455	5557	0.07%	0.024%
180	12.478	12.447	12.495	VV	1273	26192	0.35%	0.112%
181	12.520	12.495	12.622	VV	41146	533111	7.04%	2.270%
182	12.638	12.622	12.656	VV	732	13048	0.17%	0.056%
183	12.675	12.656	12.707	VV	698	18046	0.24%	0.077%
184	12.715	12.707	12.719	VV	551	3661	0.05%	0.016%
185	12.724	12.719	12.729	VV	617	3315	0.04%	0.014%
186	12.767	12.729	12.804	VV	3954	66480	0.88%	0.283%
187	12.809	12.804	12.816	VV	257	1467	0.02%	0.006%
188	12.844	12.816	12.877	VV	987	17402	0.23%	0.074%
189	12.908	12.877	12.935	VV	1998	28363	0.37%	0.121%
190	12.944	12.935	12.949	VV	332	2362	0.03%	0.010%
191	12.971	12.949	12.994	VV	764	12651	0.17%	0.054%
192	13.002	12.994	13.014	VV	312	3089	0.04%	0.013%
193	13.024	13.014	13.065	VV	365	6441	0.09%	0.027%
194	13.164	13.137	13.170	VV	259	3213	0.04%	0.014%

195	13.191	13.170	13.216	VV	408	7793	0.10%	0.033%
196	13.230	13.216	13.249	VV	343	5012	0.07%	0.021%
197	13.278	13.255	13.318	VV	713	16602	0.22%	0.071%
198	13.353	13.318	13.437	VV	66425	835413	11.03%	3.558%
199	13.441	13.437	13.453	VV	530	4617	0.06%	0.020%
200	13.479	13.453	13.506	VV	1401	19951	0.26%	0.085%
201	13.522	13.506	13.549	VV	639	13217	0.17%	0.056%
202	13.577	13.549	13.621	VV	4732	71538	0.94%	0.305%
203	13.642	13.621	13.702	VV	580	18059	0.24%	0.077%
204	13.755	13.702	13.777	VV	1073	27357	0.36%	0.117%
205	13.783	13.777	13.785	VV	635	2951	0.04%	0.013%
206	13.791	13.785	13.807	VV	644	8366	0.11%	0.036%
207	13.810	13.807	13.837	VV	711	7458	0.10%	0.032%
208	13.842	13.837	13.847	VV	197	1135	0.01%	0.005%
209	13.861	13.847	13.889	VV	307	6146	0.08%	0.026%
210	13.913	13.889	13.916	VV	350	4618	0.06%	0.020%
211	13.923	13.916	13.949	VV	423	6450	0.09%	0.027%
212	13.973	13.949	14.009	VV	535	12346	0.16%	0.053%
213	14.022	14.009	14.026	VV	308	2802	0.04%	0.012%
214	14.059	14.026	14.084	VV	952	17435	0.23%	0.074%
215	14.110	14.084	14.151	VV	1709	26994	0.36%	0.115%
216	14.156	14.151	14.202	VV	252	4211	0.06%	0.018%
217	14.207	14.202	14.243	VV	235	3891	0.05%	0.017%
218	14.300	14.276	14.306	VV	119	1159	0.02%	0.005%
219	14.334	14.306	14.352	PV	212	3797	0.05%	0.016%
220	14.378	14.352	14.396	VV	216	4384	0.06%	0.019%
221	14.401	14.396	14.425	VV	271	3289	0.04%	0.014%
222	14.443	14.425	14.459	VV	228	4018	0.05%	0.017%
223	14.526	14.459	14.536	VV	498	12797	0.17%	0.055%
224	14.549	14.536	14.592	VV	653	14523	0.19%	0.062%
225	14.598	14.592	14.628	VV	299	5758	0.08%	0.025%
226	14.633	14.628	14.655	VV	246	3483	0.05%	0.015%
227	14.672	14.655	14.686	VV	360	4900	0.06%	0.021%
228	14.695	14.686	14.706	VV	264	2721	0.04%	0.012%
229	14.710	14.706	14.718	VV	221	1303	0.02%	0.006%
230	14.734	14.726	14.744	VV	218	1841	0.02%	0.008%
231	14.773	14.752	14.792	VV	410	7741	0.10%	0.033%
232	14.800	14.792	14.811	VV	448	4664	0.06%	0.020%
233	14.817	14.811	14.829	VV	443	4381	0.06%	0.019%
234	14.835	14.829	14.866	VV	443	8029	0.11%	0.034%
235	14.884	14.866	14.899	VV	410	6253	0.08%	0.027%
236	14.928	14.908	14.937	VV	331	4511	0.06%	0.019%
237	14.940	14.937	14.957	VV	311	2961	0.04%	0.013%
238	14.973	14.957	14.977	VV	359	3478	0.05%	0.015%
239	14.988	14.977	15.007	VV	410	5990	0.08%	0.026%
240	15.025	15.007	15.041	VV	350	5618	0.07%	0.024%
241	15.054	15.041	15.061	VV	381	3634	0.05%	0.015%
242	15.063	15.061	15.078	VV	401	2397	0.03%	0.010%
243	15.088	15.078	15.116	VV	181	2130	0.03%	0.009%
244	15.132	15.116	15.145	VV	178	1309	0.02%	0.006%
245	15.215	15.145	15.256	VV	1715	49993	0.66%	0.213%
246	15.274	15.256	15.281	VV	253	3117	0.04%	0.013%

247	15.289	15.281	15.297	VV	229	1741	0.02%	0.007%
248	15.301	15.297	15.314	VV	150	1178	0.02%	0.005%
249	15.331	15.326	15.357	VV	165	2266	0.03%	0.010%
250	15.382	15.357	15.397	VV	469	6550	0.09%	0.028%
251	15.411	15.397	15.452	VV	472	9205	0.12%	0.039%
252	15.490	15.467	15.502	VV	164	1705	0.02%	0.007%
253	15.525	15.502	15.548	VV	289	4737	0.06%	0.020%
254	15.554	15.548	15.563	VV	216	1226	0.02%	0.005%
255	15.587	15.571	15.594	VV	215	1501	0.02%	0.006%
256	15.631	15.605	15.637	VV	203	2128	0.03%	0.009%
257	15.643	15.637	15.656	VV	156	1386	0.02%	0.006%
258	15.662	15.656	15.679	VV	124	1494	0.02%	0.006%
259	15.700	15.687	15.703	VV	236	1756	0.02%	0.007%
260	15.710	15.703	15.727	VV	169	2237	0.03%	0.010%
261	15.758	15.727	15.820	VV	1441	30561	0.40%	0.130%
262	15.834	15.820	15.849	VV	193	1983	0.03%	0.008%
263	15.886	15.849	15.897	VV	219	3899	0.05%	0.017%
264	15.905	15.897	15.918	VV	222	2205	0.03%	0.009%
265	15.924	15.918	15.949	VV	234	3214	0.04%	0.014%
266	15.958	15.949	15.964	VV	327	2223	0.03%	0.009%
267	15.970	15.964	15.993	VV	276	3332	0.04%	0.014%
268	16.001	15.993	16.019	VV	142	1912	0.03%	0.008%
269	16.039	16.019	16.044	VV	264	2834	0.04%	0.012%
270	16.068	16.044	16.086	VV	321	6216	0.08%	0.026%
271	16.089	16.086	16.096	VV	339	1823	0.02%	0.008%
272	16.099	16.096	16.114	VV	321	2744	0.04%	0.012%
273	16.126	16.114	16.132	VV	264	2309	0.03%	0.010%
274	16.137	16.132	16.153	VV	194	2008	0.03%	0.009%
275	16.203	16.166	16.221	VV	527	8747	0.12%	0.037%
276	16.242	16.221	16.271	VV	1234	20541	0.27%	0.087%
277	16.272	16.271	16.277	VV	357	1233	0.02%	0.005%
278	16.286	16.277	16.302	VV	333	4321	0.06%	0.018%
279	16.307	16.302	16.344	VV	273	3419	0.05%	0.015%
280	16.379	16.356	16.408	VV	181	3392	0.04%	0.014%
281	16.416	16.408	16.437	PV	84	1125	0.01%	0.005%
282	16.451	16.437	16.457	VV	131	1178	0.02%	0.005%
283	16.463	16.457	16.484	VV	115	1369	0.02%	0.006%
284	16.498	16.484	16.501	VV	130	1012	0.01%	0.004%
285	16.527	16.517	16.539	VV	186	1423	0.02%	0.006%
286	16.551	16.539	16.563	VV	115	1294	0.02%	0.006%
287	16.640	16.611	16.660	VV	167	2885	0.04%	0.012%
288	16.729	16.660	16.755	VV	298	9473	0.13%	0.040%
289	16.758	16.755	16.774	VV	189	1433	0.02%	0.006%
290	16.812	16.774	16.859	VV	1175	26383	0.35%	0.112%
291	16.884	16.859	16.917	VV	462	12957	0.17%	0.055%
292	16.919	16.917	16.944	VV	405	5598	0.07%	0.024%
293	16.948	16.944	16.972	VV	465	5637	0.07%	0.024%
294	16.979	16.972	16.993	VV	316	3149	0.04%	0.013%
295	17.014	16.993	17.041	VV	275	6466	0.09%	0.028%
296	17.047	17.041	17.059	VV	251	1974	0.03%	0.008%
297	17.080	17.059	17.105	VV	308	7476	0.10%	0.032%
298	17.112	17.105	17.117	VV	296	1845	0.02%	0.008%
299	17.121	17.117	17.140	VV	289	3286	0.04%	0.014%

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300	17.164	17.140	17.174	VV	572	8451	0.11%	0.036%
301	17.194	17.174	17.232	VV	1244	23820	0.31%	0.101%
302	17.237	17.232	17.289	VV	353	8663	0.11%	0.037%
303	17.298	17.289	17.326	VV	264	3123	0.04%	0.013%
304	17.336	17.326	17.349	VV	152	1528	0.02%	0.007%
305	17.356	17.349	17.404	VV	198	3077	0.04%	0.013%
306	17.524	17.483	17.546	VV	211	4583	0.06%	0.020%
307	17.588	17.546	17.600	VV	164	2859	0.04%	0.012%
308	17.622	17.600	17.628	VV	166	1953	0.03%	0.008%
309	17.647	17.628	17.679	VV	505	8055	0.11%	0.034%
310	17.706	17.679	17.726	VV	182	3152	0.04%	0.013%
311	17.739	17.726	17.761	VV	293	3602	0.05%	0.015%
312	17.844	17.826	17.858	VV	174	1664	0.02%	0.007%
313	17.874	17.858	17.880	VV	143	1626	0.02%	0.007%
314	17.907	17.880	17.926	VV	214	4011	0.05%	0.017%
315	17.945	17.926	17.964	VV	166	2716	0.04%	0.012%
316	17.993	17.988	18.009	VV	152	1362	0.02%	0.006%
317	18.084	18.009	18.116	VV	1409	30511	0.40%	0.130%
318	18.122	18.116	18.132	VV	186	1164	0.02%	0.005%
319	18.136	18.132	18.149	VV	92	1003	0.01%	0.004%
320	18.180	18.149	18.206	VV	198	4078	0.05%	0.017%
321	18.227	18.206	18.237	VV	164	2209	0.03%	0.009%
322	18.249	18.237	18.291	VV	133	2914	0.04%	0.012%
323	18.354	18.291	18.383	PV	195	4260	0.06%	0.018%
324	18.405	18.383	18.423	PV	134	1681	0.02%	0.007%
325	18.508	18.423	18.532	PV	847	13037	0.17%	0.056%
326	18.585	18.532	18.631	VV	594	23473	0.31%	0.100%
327	18.641	18.631	18.671	VV	337	4672	0.06%	0.020%
328	18.784	18.671	18.842	PV	339	8384	0.11%	0.036%
329	18.918	18.842	18.973	PV	1714	36551	0.48%	0.156%

Sum of corrected areas: 23479999

Aromatic EPH 031725.M Wed Apr 02 02:33:17 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
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
03/28/25 08:10	03/28/25 19:53	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.98	J	1	0.15	1.08	mg/kg	FC068438.D
Aliphatic C12-C16	Aliphatic C12-C16	3.25		1	0.12	0.72	mg/kg	FC068438.D
Aliphatic C16-C21	Aliphatic C16-C21	1.57		1	0.14	1.08	mg/kg	FC068438.D
Aliphatic C21-C28	Aliphatic C21-C28	0.57	U	1	0.57	1.43	mg/kg	FC068438.D
Aliphatic C28-C40	Aliphatic C28-C40	1.32	J	1	1.27	2.15	mg/kg	FC068438.D
Aromatic C10-C12	Aromatic C10-C12	0.40	J	1	0.13	0.72	mg/kg	FG015588.D
Aromatic C12-C16	Aromatic C12-C16	0.50	J	1	0.25	1.08	mg/kg	FG015588.D
Aromatic C16-C21	Aromatic C16-C21	1.61	J	1	0.43	1.79	mg/kg	FG015588.D
Aromatic C21-C36	Aromatic C21-C36	1.28	U	1	1.28	2.87	mg/kg	FG015588.D
Total AliphaticEPH	Total AliphaticEPH	7.12			2.25	6.46	mg/kg	
Total AromaticEPH	Total AromaticEPH	2.51	J		2.09	6.46	mg/kg	
Total EPH	Total EPH	9.63	J		4.34	12.9	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
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
FC068438.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.98	J	0.15	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		3.25		0.12	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		1.57		0.14	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.57	U	0.57	1.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.32	J	1.27	2.15	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		47.1		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-19	Acq On:	28 Mar 2025 19:53
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP/AJ
Data file:	FC068438.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	2219989	13.677	300	ug/ml
Aliphatic C12-C16	6.361	9.742	7630758	45.369	200	ug/ml
Aliphatic C16-C21	9.743	13.094	3751721	21.875	300	ug/ml
Aliphatic C21-C28	13.095	16.746	753659	4.463	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2497427	18.34	600	ug/ml
Aliphatic EPH	3.100	21.538	16853554	103.723		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	7019416	47.09		ug/ml
Aliphatic C9-C28	3.100	16.746	14356127	85.384	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068438.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:53
Operator : YP/AJ
Sample : Q1664-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-007-01

Integration File: autoint1.e
Quant Time: Mar 29 02:31:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.828	7019416	47.087 ug/ml
Spiked Amount 50.000		Recovery = 94.17%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

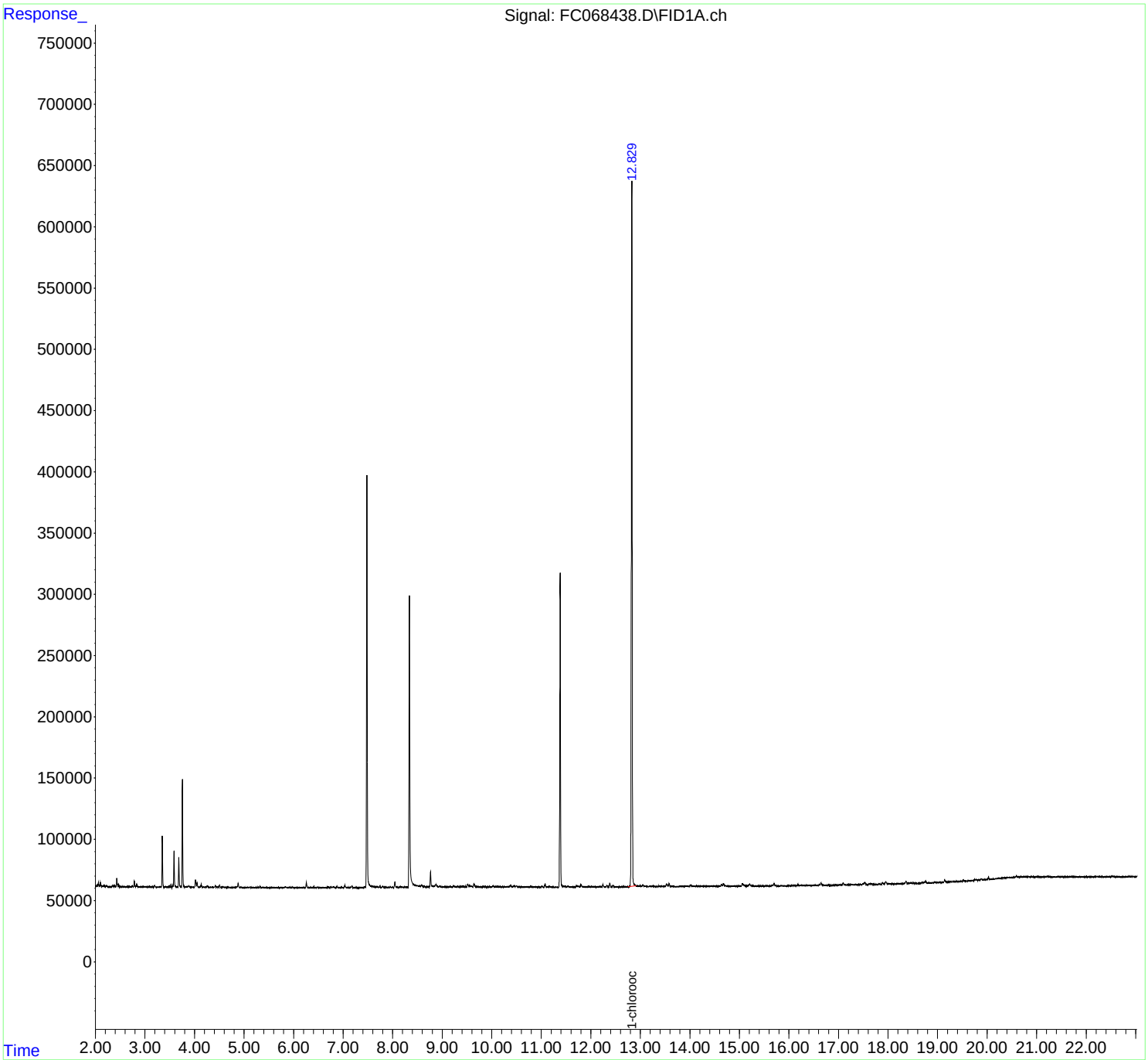
Quantitation Report (QT Reviewed)

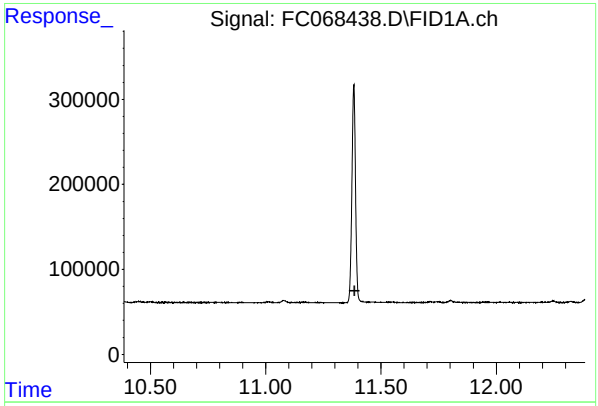
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068438.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:53
Operator : YP/AJ
Sample : Q1664-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-007-01

Integration File: autoint1.e
Quant Time: Mar 29 02:31:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

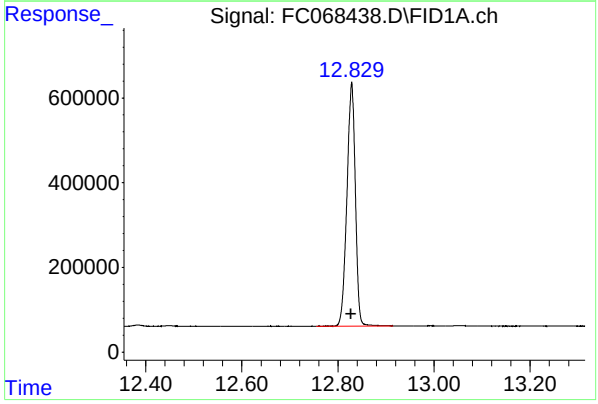




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-007-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.001 min
Response: 7019416
Conc: 47.09 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068438.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:53
Sample : Q1664-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.340	2.305	2.371	BV	802	11389	0.16%	0.047%
2	2.381	2.371	2.411	VV	1292	14383	0.20%	0.059%
3	2.431	2.411	2.460	VV	6937	68632	0.97%	0.281%
4	2.470	2.460	2.538	VV	1352	14631	0.21%	0.060%
5	2.555	2.538	2.572	PV	315	2482	0.03%	0.010%
6	2.590	2.572	2.606	VV	242	2665	0.04%	0.011%
7	2.617	2.606	2.648	VV	115	1790	0.03%	0.007%
8	2.682	2.648	2.715	VV	229	4396	0.06%	0.018%
9	2.745	2.715	2.768	VV	545	9979	0.14%	0.041%
10	2.786	2.768	2.809	VV	5123	49264	0.69%	0.202%
11	2.836	2.809	2.902	VV	2387	31337	0.44%	0.128%
12	2.919	2.902	2.942	VV	228	3839	0.05%	0.016%
13	2.960	2.942	3.064	VV	513	14006	0.20%	0.057%
14	3.081	3.064	3.131	VV	498	10442	0.15%	0.043%
15	3.136	3.131	3.174	VV	253	4192	0.06%	0.017%
16	3.192	3.174	3.238	VV	1489	19049	0.27%	0.078%
17	3.285	3.238	3.301	PV	268	4498	0.06%	0.018%
18	3.311	3.301	3.326	VV	189	1869	0.03%	0.008%
19	3.350	3.326	3.445	VV	41119	348640	4.91%	1.429%
20	3.453	3.445	3.464	VV	162	1874	0.03%	0.008%
21	3.492	3.464	3.506	VV	644	8263	0.12%	0.034%
22	3.524	3.506	3.544	VV	2230	20259	0.29%	0.083%
23	3.561	3.544	3.570	VV	1943	15577	0.22%	0.064%
24	3.587	3.570	3.661	VV	29248	260669	3.67%	1.069%
25	3.683	3.661	3.738	VV	23878	217708	3.07%	0.893%
26	3.755	3.738	3.825	VV	87513	746220	10.51%	3.059%
27	3.858	3.825	3.871	VV	717	12322	0.17%	0.051%
28	3.887	3.871	3.938	VV	1487	21496	0.30%	0.088%
29	3.953	3.938	3.990	VV	259	5358	0.08%	0.022%
30	4.020	3.990	4.039	VV	6267	78250	1.10%	0.321%
31	4.052	4.039	4.104	VV	4064	47267	0.67%	0.194%
32	4.136	4.104	4.191	VV	2691	34398	0.48%	0.141%
33	4.204	4.191	4.232	VV	292	5787	0.08%	0.024%
34	4.256	4.232	4.310	VV	1379	23267	0.33%	0.095%
35	4.357	4.310	4.392	VV	419	13002	0.18%	0.053%
36	4.421	4.392	4.445	VV	1397	19291	0.27%	0.079%

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37	4.451	4.445	4.460	VV	337	2893	0.04%	0.012%
38	4.475	4.460	4.491	VV	1011	10754	0.15%	0.044%
39	4.506	4.491	4.549	VV	2016	22610	0.32%	0.093%
40	4.571	4.549	4.607	VV	505	8110	0.11%	0.033%
41	4.622	4.607	4.678	VV	236	4890	0.07%	0.020%
42	4.692	4.678	4.735	VV	315	3933	0.06%	0.016%
43	4.737	4.735	4.788	PV	70	1741	0.02%	0.007%
44	4.804	4.788	4.831	VV	250	3607	0.05%	0.015%
45	4.881	4.831	4.914	VV	3648	48720	0.69%	0.200%
46	4.937	4.914	4.968	VV	703	9532	0.13%	0.039%
47	4.988	4.968	5.003	VV	242	2933	0.04%	0.012%
48	5.014	5.003	5.026	VV	136	1226	0.02%	0.005%
49	5.070	5.026	5.090	VV	251	3327	0.05%	0.014%
50	5.117	5.090	5.191	VV	454	10559	0.15%	0.043%
51	5.200	5.191	5.221	VV	159	1544	0.02%	0.006%
52	5.229	5.221	5.241	VV	133	1283	0.02%	0.005%
53	5.250	5.241	5.268	VV	217	1888	0.03%	0.008%
54	5.283	5.268	5.305	VV	713	7837	0.11%	0.032%
55	5.323	5.305	5.361	VV	1119	13327	0.19%	0.055%
56	5.381	5.361	5.405	VV	267	3691	0.05%	0.015%
57	5.461	5.405	5.475	VV	239	4375	0.06%	0.018%
58	5.481	5.475	5.508	VV	133	1571	0.02%	0.006%
59	5.524	5.508	5.551	VV	277	3413	0.05%	0.014%
60	5.574	5.551	5.608	VV	235	4074	0.06%	0.017%
61	5.616	5.608	5.625	VV	151	1318	0.02%	0.005%
62	5.631	5.625	5.645	VV	178	1394	0.02%	0.006%
63	5.650	5.645	5.718	VV	209	3552	0.05%	0.015%
64	5.729	5.718	5.745	VV	201	2234	0.03%	0.009%
65	5.764	5.745	5.797	PV	155	3376	0.05%	0.014%
66	5.831	5.797	5.865	VV	557	11815	0.17%	0.048%
67	5.877	5.865	5.895	VV	390	4743	0.07%	0.019%
68	5.921	5.895	5.953	VV	761	11201	0.16%	0.046%
69	5.984	5.953	6.020	VV	579	11679	0.16%	0.048%
70	6.038	6.020	6.090	VV	372	8074	0.11%	0.033%
71	6.099	6.090	6.115	VV	198	1615	0.02%	0.007%
72	6.144	6.115	6.174	VV	204	4998	0.07%	0.020%
73	6.186	6.174	6.208	VV	154	2203	0.03%	0.009%
74	6.224	6.208	6.234	VV	173	1639	0.02%	0.007%
75	6.259	6.234	6.325	VV	4481	55308	0.78%	0.227%
76	6.342	6.325	6.362	VV	613	7746	0.11%	0.032%
77	6.380	6.362	6.390	VV	384	4311	0.06%	0.018%
78	6.407	6.390	6.431	VV	941	12485	0.18%	0.051%
79	6.439	6.431	6.461	VV	416	4179	0.06%	0.017%
80	6.480	6.461	6.501	VV	574	6270	0.09%	0.026%
81	6.512	6.501	6.545	VV	188	3660	0.05%	0.015%
82	6.549	6.545	6.555	VV	208	1062	0.01%	0.004%
83	6.567	6.555	6.608	VV	254	5085	0.07%	0.021%
84	6.631	6.608	6.645	VV	263	3599	0.05%	0.015%
85	6.653	6.645	6.671	VV	265	2296	0.03%	0.009%
86	6.699	6.671	6.730	PV	629	9776	0.14%	0.040%
87	6.752	6.730	6.768	VV	653	9633	0.14%	0.039%
88	6.776	6.768	6.785	VV	387	3883	0.05%	0.016%
89	6.802	6.785	6.845	VV	632	15345	0.22%	0.063%

90	6.877	6.845	6.935	VV	1113	21608	0.30%	0.089%
91	6.953	6.935	7.007	VV	334	9245	0.13%	0.038%
92	7.037	7.007	7.081	VV	2146	27819	0.39%	0.114%
93	7.145	7.081	7.161	VV	406	12490	0.18%	0.051%
94	7.179	7.161	7.205	VV	1578	19437	0.27%	0.080%
95	7.215	7.205	7.225	VV	246	2203	0.03%	0.009%
96	7.241	7.225	7.254	VV	442	5283	0.07%	0.022%
97	7.268	7.254	7.308	VV	436	5965	0.08%	0.024%
98	7.345	7.308	7.364	VV	220	4237	0.06%	0.017%
99	7.392	7.364	7.410	VV	179	3865	0.05%	0.016%
100	7.438	7.410	7.453	VV	815	10417	0.15%	0.043%
101	7.482	7.453	7.591	VV	335037	3453949	48.64%	14.161%
102	7.596	7.591	7.646	VV	1111	26966	0.38%	0.111%
103	7.661	7.646	7.683	VV	655	12442	0.18%	0.051%
104	7.697	7.683	7.723	VV	606	11995	0.17%	0.049%
105	7.744	7.723	7.777	VV	1275	20525	0.29%	0.084%
106	7.799	7.777	7.821	VV	1252	17255	0.24%	0.071%
107	7.840	7.821	7.852	VV	464	7118	0.10%	0.029%
108	7.865	7.852	7.886	VV	528	7889	0.11%	0.032%
109	7.899	7.886	7.931	VV	350	7865	0.11%	0.032%
110	7.953	7.931	7.988	VV	760	14078	0.20%	0.058%
111	7.993	7.988	8.002	VV	266	2236	0.03%	0.009%
112	8.046	8.002	8.088	VV	4901	67666	0.95%	0.277%
113	8.096	8.088	8.121	VV	413	6625	0.09%	0.027%
114	8.142	8.121	8.175	VV	639	16582	0.23%	0.068%
115	8.194	8.175	8.221	VV	776	13269	0.19%	0.054%
116	8.240	8.221	8.260	VV	517	9024	0.13%	0.037%
117	8.278	8.260	8.306	VV	662	10733	0.15%	0.044%
118	8.339	8.306	8.485	VV	235830	2868507	40.40%	11.761%
119	8.493	8.485	8.519	VV	1662	31042	0.44%	0.127%
120	8.533	8.519	8.563	VV	1330	32421	0.46%	0.133%
121	8.581	8.563	8.626	VV	2012	51763	0.73%	0.212%
122	8.645	8.626	8.675	VV	975	22022	0.31%	0.090%
123	8.700	8.675	8.739	VV	771	24521	0.35%	0.101%
124	8.766	8.739	8.815	VV	13114	168070	2.37%	0.689%
125	8.839	8.815	8.851	VV	1244	24094	0.34%	0.099%
126	8.874	8.851	8.911	VV	2751	61873	0.87%	0.254%
127	8.921	8.911	8.933	VV	902	10548	0.15%	0.043%
128	8.951	8.933	8.976	VV	1097	20386	0.29%	0.084%
129	9.002	8.976	9.035	VV	761	19339	0.27%	0.079%
130	9.057	9.035	9.072	VV	695	13039	0.18%	0.053%
131	9.100	9.072	9.131	VV	676	21305	0.30%	0.087%
132	9.162	9.131	9.203	VV	859	26897	0.38%	0.110%
133	9.231	9.203	9.271	VV	1515	34108	0.48%	0.140%
134	9.293	9.271	9.303	VV	755	13101	0.18%	0.054%
135	9.317	9.303	9.346	VV	842	16873	0.24%	0.069%
136	9.370	9.346	9.405	VV	1066	25398	0.36%	0.104%
137	9.421	9.405	9.450	VV	1267	22504	0.32%	0.092%
138	9.473	9.450	9.493	VV	1031	18164	0.26%	0.074%
139	9.516	9.493	9.555	VV	2862	62895	0.89%	0.258%
140	9.561	9.555	9.585	VV	1336	20672	0.29%	0.085%
141	9.593	9.585	9.621	VV	1113	19600	0.28%	0.080%

142	9.642	9.621	9.697	VV	3279	61453	0.87%	0.252%
143	9.709	9.697	9.771	VV	805	29793	0.42%	0.122%
144	9.781	9.771	9.801	VV	526	8642	0.12%	0.035%
145	9.809	9.801	9.844	VV	478	11427	0.16%	0.047%
146	9.917	9.844	9.931	VV	732	24761	0.35%	0.102%
147	9.961	9.931	9.974	VV	663	14540	0.20%	0.060%
148	9.984	9.974	9.996	VV	598	7592	0.11%	0.031%
149	10.029	9.996	10.051	VV	1439	30827	0.43%	0.126%
150	10.071	10.051	10.098	VV	732	17752	0.25%	0.073%
151	10.117	10.098	10.135	VV	667	12962	0.18%	0.053%
152	10.149	10.135	10.214	VV	858	25168	0.35%	0.103%
153	10.241	10.214	10.255	VV	545	11363	0.16%	0.047%
154	10.263	10.255	10.291	VV	564	11366	0.16%	0.047%
155	10.316	10.291	10.341	VV	700	17451	0.25%	0.072%
156	10.379	10.341	10.418	VV	1848	42936	0.60%	0.176%
157	10.450	10.418	10.478	VV	1485	34346	0.48%	0.141%
158	10.501	10.478	10.541	VV	1314	28152	0.40%	0.115%
159	10.547	10.541	10.585	VV	451	10366	0.15%	0.043%
160	10.598	10.585	10.622	VV	403	8014	0.11%	0.033%
161	10.660	10.622	10.675	VV	404	11042	0.16%	0.045%
162	10.703	10.675	10.735	VV	503	14143	0.20%	0.058%
163	10.767	10.735	10.780	VV	555	12127	0.17%	0.050%
164	10.797	10.780	10.817	VV	532	10158	0.14%	0.042%
165	10.831	10.817	10.863	VV	469	8195	0.12%	0.034%
166	10.882	10.863	10.928	VV	366	9708	0.14%	0.040%
167	10.940	10.928	10.981	VV	205	4614	0.06%	0.019%
168	11.011	10.981	11.044	VV	1248	21063	0.30%	0.086%
169	11.078	11.044	11.118	VV	2871	43561	0.61%	0.179%
170	11.168	11.118	11.208	VV	766	20866	0.29%	0.086%
171	11.231	11.208	11.253	VV	419	6862	0.10%	0.028%
172	11.273	11.253	11.300	VV	195	3456	0.05%	0.014%
173	11.311	11.300	11.334	VV	119	1751	0.02%	0.007%
174	11.382	11.334	11.447	PV	255587	2827771	39.82%	11.594%
175	11.463	11.447	11.508	VV	956	24212	0.34%	0.099%
176	11.549	11.508	11.608	VV	814	26260	0.37%	0.108%
177	11.642	11.608	11.675	VV	262	8502	0.12%	0.035%
178	11.714	11.675	11.731	VV	1111	20231	0.28%	0.083%
179	11.745	11.731	11.769	VV	1168	17659	0.25%	0.072%
180	11.801	11.769	11.861	VV	2529	48073	0.68%	0.197%
181	11.880	11.861	11.921	VV	380	9333	0.13%	0.038%
182	11.959	11.921	11.997	VV	678	18304	0.26%	0.075%
183	12.015	11.997	12.041	VV	470	9117	0.13%	0.037%
184	12.056	12.041	12.075	VV	487	7074	0.10%	0.029%
185	12.089	12.075	12.105	VV	285	4269	0.06%	0.018%
186	12.149	12.105	12.169	VV	365	10410	0.15%	0.043%
187	12.197	12.169	12.225	VV	561	13403	0.19%	0.055%
188	12.246	12.225	12.277	VV	2017	28292	0.40%	0.116%
189	12.323	12.277	12.357	VV	1440	22635	0.32%	0.093%
190	12.384	12.357	12.416	VV	3141	42339	0.60%	0.174%
191	12.448	12.416	12.478	VV	1393	22972	0.32%	0.094%
192	12.503	12.478	12.571	VV	334	10856	0.15%	0.045%
193	12.599	12.571	12.612	PV	133	1938	0.03%	0.008%
194	12.661	12.612	12.686	VV	264	8373	0.12%	0.034%

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195	12.701	12.686	12.728	VV	308	4506	0.06%	0.018%
196	12.741	12.728	12.753	VV	230	2890	0.04%	0.012%
197	12.828	12.753	12.973	VV	569537	7100767	100.00%	29.113%
198	12.994	12.973	13.025	VV	1196	24120	0.34%	0.099%
199	13.052	13.025	13.168	VV	1625	52971	0.75%	0.217%
200	13.208	13.168	13.230	VV	430	13686	0.19%	0.056%
201	13.261	13.230	13.301	VV	545	18717	0.26%	0.077%
202	13.336	13.301	13.357	VV	336	8425	0.12%	0.035%
203	13.373	13.357	13.381	VV	594	4844	0.07%	0.020%
204	13.433	13.381	13.464	VV	466	18376	0.26%	0.075%
205	13.531	13.464	13.557	VV	2389	50086	0.71%	0.205%
206	13.580	13.557	13.712	VV	2644	55141	0.78%	0.226%
207	13.741	13.712	13.762	VV	172	3471	0.05%	0.014%
208	13.814	13.762	13.855	VV	337	12346	0.17%	0.051%
209	13.870	13.855	13.895	VV	314	5338	0.08%	0.022%
210	13.902	13.895	13.928	VV	238	3879	0.05%	0.016%
211	14.014	13.928	14.092	VV	1345	42844	0.60%	0.176%
212	14.141	14.092	14.185	VV	688	18103	0.25%	0.074%
213	14.200	14.185	14.222	VV	355	6204	0.09%	0.025%
214	14.229	14.222	14.251	VV	274	4182	0.06%	0.017%
215	14.268	14.251	14.285	VV	269	4955	0.07%	0.020%
216	14.302	14.285	14.325	VV	349	5771	0.08%	0.024%
217	14.401	14.325	14.408	VV	366	14649	0.21%	0.060%
218	14.443	14.408	14.510	VV	399	18473	0.26%	0.076%
219	14.525	14.510	14.562	VV	356	8006	0.11%	0.033%
220	14.570	14.562	14.607	VV	296	5280	0.07%	0.022%
221	14.639	14.607	14.658	VV	1655	28509	0.40%	0.117%
222	14.680	14.658	14.711	VV	2363	40825	0.57%	0.167%
223	14.726	14.711	14.803	VV	709	18159	0.26%	0.074%
224	14.814	14.803	14.828	VV	152	1583	0.02%	0.006%
225	14.848	14.828	14.861	PV	286	3922	0.06%	0.016%
226	14.875	14.861	14.895	VV	295	3663	0.05%	0.015%
227	14.918	14.895	14.951	VV	317	5589	0.08%	0.023%
228	14.963	14.951	14.998	VV	198	3436	0.05%	0.014%
229	15.009	14.998	15.025	VV	176	2014	0.03%	0.008%
230	15.061	15.025	15.155	VV	2278	64153	0.90%	0.263%
231	15.207	15.155	15.235	VV	1701	38216	0.54%	0.157%
232	15.251	15.235	15.281	VV	376	7707	0.11%	0.032%
233	15.299	15.281	15.351	VV	176	4401	0.06%	0.018%
234	15.396	15.351	15.455	VV	284	9267	0.13%	0.038%
235	15.517	15.455	15.551	VV	257	10041	0.14%	0.041%
236	15.578	15.551	15.631	VV	271	6745	0.09%	0.028%
237	15.660	15.631	15.676	PV	768	11591	0.16%	0.048%
238	15.698	15.676	15.761	VV	1974	36654	0.52%	0.150%
239	15.770	15.761	15.795	VV	211	2280	0.03%	0.009%
240	15.877	15.795	15.916	VV	311	8507	0.12%	0.035%
241	15.925	15.916	15.961	VV	102	1501	0.02%	0.006%
242	15.974	15.961	15.986	PV	132	1242	0.02%	0.005%
243	16.004	15.986	16.028	VV	178	2925	0.04%	0.012%
244	16.072	16.028	16.111	PV	249	6872	0.10%	0.028%
245	16.182	16.111	16.238	VV	941	21412	0.30%	0.088%
246	16.258	16.238	16.301	VV	444	7734	0.11%	0.032%

rteres

247	16.353	16.301	16.439	PV	343	17466	0.25%	0.072%
248	16.492	16.439	16.515	VV	239	5731	0.08%	0.023%
249	16.536	16.515	16.580	VV	218	5210	0.07%	0.021%
250	16.613	16.580	16.624	VV	776	10815	0.15%	0.044%
251	16.646	16.624	16.677	VV	2017	32586	0.46%	0.134%
252	16.693	16.677	16.745	VV	571	10127	0.14%	0.042%
253	16.806	16.745	16.837	VV	245	5893	0.08%	0.024%
254	16.867	16.837	16.907	VV	239	3838	0.05%	0.016%
255	16.919	16.907	16.924	PV	117	447	0.01%	0.002%
256	16.933	16.924	16.937	VV	180	833	0.01%	0.003%
257	16.946	16.937	16.972	VV	223	2544	0.04%	0.010%
258	17.028	16.972	17.058	VV	367	8083	0.11%	0.033%
259	17.096	17.058	17.151	VV	1654	30226	0.43%	0.124%
260	17.194	17.151	17.222	VV	311	7741	0.11%	0.032%
261	17.243	17.222	17.278	VV	226	5273	0.07%	0.022%
262	17.297	17.278	17.318	VV	176	3402	0.05%	0.014%
263	17.325	17.318	17.331	VV	139	831	0.01%	0.003%
264	17.347	17.331	17.365	VV	201	3118	0.04%	0.013%
265	17.379	17.365	17.391	VV	242	2768	0.04%	0.011%
266	17.405	17.391	17.428	VV	163	2734	0.04%	0.011%
267	17.436	17.428	17.441	VV	167	973	0.01%	0.004%
268	17.531	17.441	17.585	VV	2124	55030	0.77%	0.226%
269	17.591	17.585	17.605	VV	277	2191	0.03%	0.009%
270	17.649	17.605	17.725	VV	639	30286	0.43%	0.124%
271	17.744	17.725	17.768	VV	238	3980	0.06%	0.016%
272	17.820	17.768	17.865	PV	339	12267	0.17%	0.050%
273	17.889	17.865	17.925	VV	1289	27931	0.39%	0.115%
274	17.955	17.925	17.991	VV	2239	41952	0.59%	0.172%
275	18.015	17.991	18.044	VV	564	12210	0.17%	0.050%
276	18.052	18.044	18.070	VV	215	2786	0.04%	0.011%
277	18.093	18.070	18.123	VV	280	5572	0.08%	0.023%
278	18.169	18.123	18.191	VV	173	3999	0.06%	0.016%
279	18.230	18.191	18.291	VV	241	8480	0.12%	0.035%
280	18.363	18.291	18.420	VV	2074	46908	0.66%	0.192%
281	18.462	18.420	18.512	VV	547	19903	0.28%	0.082%
282	18.533	18.512	18.551	VV	195	3254	0.05%	0.013%
283	18.565	18.551	18.575	VV	164	1407	0.02%	0.006%
284	18.581	18.575	18.591	PV	135	509	0.01%	0.002%
285	18.620	18.591	18.646	VV	150	2492	0.04%	0.010%
286	18.719	18.646	18.728	PV	692	19326	0.27%	0.079%
287	18.760	18.728	18.865	VV	1630	42509	0.60%	0.174%
288	18.875	18.865	18.891	VV	110	1262	0.02%	0.005%
289	18.943	18.891	18.994	VV	494	12523	0.18%	0.051%
290	19.010	18.994	19.055	VV	224	4166	0.06%	0.017%
291	19.065	19.055	19.077	VV	165	1205	0.02%	0.005%
292	19.145	19.077	19.215	VV	1772	45603	0.64%	0.187%
293	19.259	19.215	19.301	VV	421	13848	0.20%	0.057%
294	19.307	19.301	19.317	VV	291	2434	0.03%	0.010%
295	19.391	19.317	19.421	VV	534	23050	0.32%	0.095%
296	19.433	19.421	19.441	VV	444	4947	0.07%	0.020%
297	19.472	19.441	19.491	VV	549	13793	0.19%	0.057%
298	19.522	19.491	19.551	VV	1165	27647	0.39%	0.113%
299	19.558	19.551	19.598	VV	710	15572	0.22%	0.064%

rteres

300	19.780	19.598	19.818	VV	1460	109751	1.55%	0.450%
301	19.836	19.818	19.847	VV	936	14844	0.21%	0.061%
302	19.885	19.847	19.917	VV	1855	55976	0.79%	0.229%
303	20.027	19.917	20.064	VV	2432	119992	1.69%	0.492%
304	20.165	20.064	20.175	VV	1618	92818	1.31%	0.381%
305	20.185	20.175	20.195	VV	1568	17929	0.25%	0.074%
306	20.244	20.195	20.271	VV	1987	76959	1.08%	0.316%
307	20.420	20.271	20.439	VV	2276	199723	2.81%	0.819%
308	20.444	20.439	20.481	VV	2152	52695	0.74%	0.216%
309	20.596	20.481	20.661	VV	2870	245479	3.46%	1.006%
310	20.679	20.661	20.688	VV	2272	36993	0.52%	0.152%
311	20.731	20.688	20.748	VV	2275	79871	1.12%	0.327%
312	20.812	20.748	20.821	VV	2183	95372	1.34%	0.391%
313	20.841	20.821	20.888	VV	2198	85563	1.20%	0.351%
314	20.917	20.888	20.958	VV	2101	83677	1.18%	0.343%
315	20.993	20.958	21.054	VV	2062	106234	1.50%	0.436%
316	21.066	21.054	21.075	VV	1696	20716	0.29%	0.085%
317	21.079	21.075	21.087	VV	1761	13037	0.18%	0.053%
318	21.106	21.087	21.157	VV	1712	69948	0.99%	0.287%
319	21.217	21.157	21.368	VV	1801	193187	2.72%	0.792%
320	21.445	21.368	21.491	VV	1474	91934	1.29%	0.377%
321	21.534	21.491	21.566	VV	1093	46983	0.66%	0.193%
322	21.605	21.566	21.648	VV	1037	45954	0.65%	0.188%
323	21.664	21.648	21.675	VV	952	14967	0.21%	0.061%
324	21.682	21.675	21.801	VV	935	55844	0.79%	0.229%
325	21.810	21.801	21.845	VV	642	15131	0.21%	0.062%
326	21.855	21.845	21.865	VV	578	6269	0.09%	0.026%
327	21.872	21.865	21.881	VV	537	5102	0.07%	0.021%
328	21.900	21.881	21.911	VV	540	9158	0.13%	0.038%
329	21.929	21.911	21.991	VV	499	19288	0.27%	0.079%
330	21.997	21.991	22.007	VV	367	2826	0.04%	0.012%
331	22.047	22.007	22.111	VV	318	15933	0.22%	0.065%
332	22.130	22.111	22.181	VV	230	6625	0.09%	0.027%

Sum of corrected areas: 24390651

Aliphatic EPH 032625.M Sat Mar 29 02:56:22 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
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
FG015588.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.40	J	0.13	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.50	J	0.25	1.08	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.61	J	0.43	1.79	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.28	U	1.28	2.87	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	29.0		40 - 140	58%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	23.8		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.4		40 - 140	55%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-19	Acq On:	29 Mar 2025 01:18
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP\AJ
Data file:	FG015588.D	Misc:	
Instrument:	FID_G	ALS Vial:	84
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	748611	5.587	200	ug/ml
Aromatic C12-C16	6.330	9.039	962661	7.019	300	ug/ml
Aromatic C16-C21	9.040	13.371	3133015	22.473	500	ug/ml
Aromatic C21-C36	13.372	18.837	1658008	12.735	800	ug/ml
Aromatic EPH	4.449	18.837	6502295	47.814		ug/ml
2-Bromonaphthalene (SURR)	7.962	7.962	3546906	29.04		ug/ml
2-Flurobiphenyl (SURR)	8.841	8.841	1963842	23.76		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	4001081	27.44		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015588.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 01:18
Operator : YP\AJ
Sample : Q1664-19
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-007-01

Integration File: autoint1.e
Quant Time: Mar 29 03:17:05 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...	7.962	3546906	29.036 ug/ml
Spiked Amount 50.000		Recovery =	58.07%
6) S 2-Flurobiphenyl (SURR)	8.841	1963842	23.759 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	47.52%
11) S ortho-Terphenyl (SURR)	11.913	4001081	27.437 ug/ml
Spiked Amount 50.000		Recovery =	54.87%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

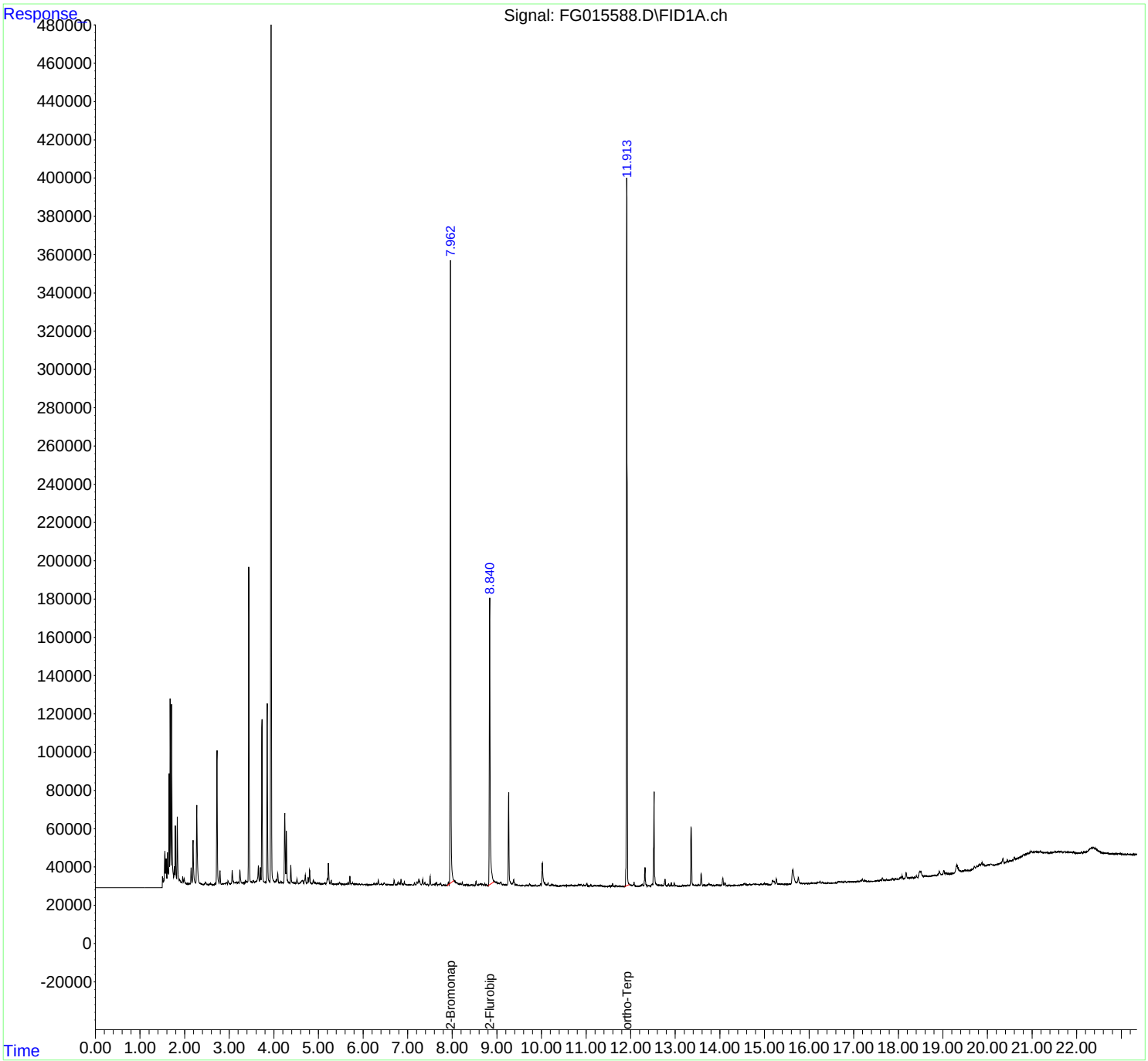
Quantitation Report (QT Reviewed)

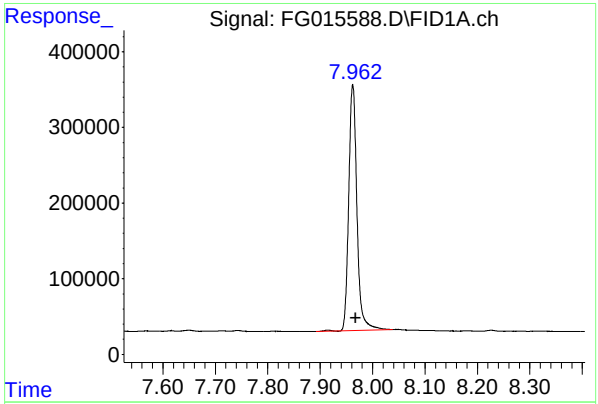
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015588.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 01:18
Operator : YP\AJ
Sample : Q1664-19
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-007-01

Integration File: autoint1.e
Quant Time: Mar 29 03:17:05 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

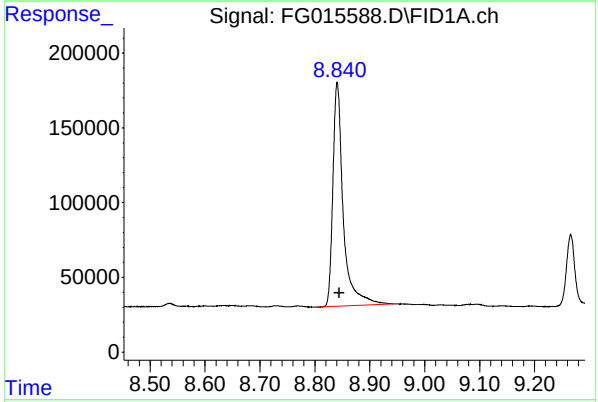




#4 2-Bromonaphthalene (SURR)

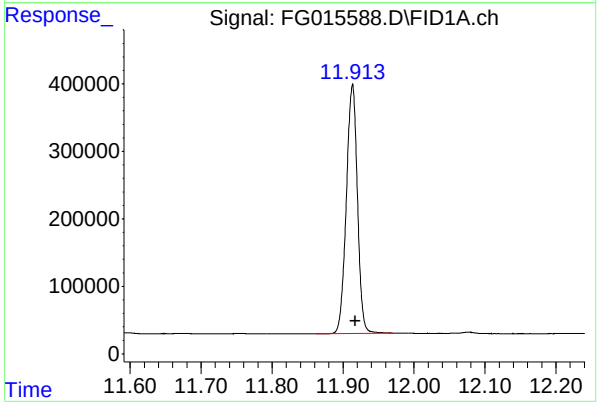
R.T.: 7.962 min
Delta R.T.: -0.006 min
Response: 3546906
Conc: 29.04 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-007-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.004 min
Response: 1963842
Conc: 23.76 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.005 min
Response: 4001081
Conc: 27.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015588.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 01:18
Sample : Q1664-19
Misc :
ALS Vial : 84 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	4.381	4.362	4.453	PV	9391	100104	2.48%	0.609%
2	4.461	4.453	4.497	VV	270	2294	0.06%	0.014%
3	4.519	4.497	4.550	PV	2308	28155	0.70%	0.171%
4	4.557	4.550	4.572	VV	189	1393	0.03%	0.008%
5	4.599	4.572	4.605	VV	587	5413	0.13%	0.033%
6	4.623	4.605	4.635	VV	1550	21048	0.52%	0.128%
7	4.645	4.635	4.667	VV	1870	22810	0.56%	0.139%
8	4.707	4.667	4.733	VV	4637	72385	1.79%	0.440%
9	4.743	4.733	4.753	VV	459	4309	0.11%	0.026%
10	4.771	4.753	4.785	VV	3330	36805	0.91%	0.224%
11	4.804	4.785	4.856	VV	7326	85184	2.11%	0.518%
12	4.886	4.865	4.919	VV	2109	29164	0.72%	0.177%
13	4.931	4.919	4.961	VV	787	11433	0.28%	0.070%
14	4.978	4.961	5.000	VV	632	8760	0.22%	0.053%
15	5.013	5.000	5.054	VV	542	8195	0.20%	0.050%
16	5.075	5.054	5.082	VV	199	2015	0.05%	0.012%
17	5.101	5.082	5.117	VV	283	3094	0.08%	0.019%
18	5.135	5.117	5.167	VV	696	10690	0.26%	0.065%
19	5.199	5.167	5.207	VV	2827	30974	0.77%	0.188%
20	5.224	5.207	5.263	VV	10980	143055	3.54%	0.870%
21	5.286	5.263	5.314	VV	2078	25543	0.63%	0.155%
22	5.345	5.314	5.377	VV	332	5270	0.13%	0.032%
23	5.399	5.387	5.415	VV	167	1627	0.04%	0.010%
24	5.431	5.415	5.450	VV	599	6105	0.15%	0.037%
25	5.473	5.450	5.515	VV	888	16149	0.40%	0.098%
26	5.531	5.515	5.549	VV	237	3596	0.09%	0.022%
27	5.555	5.549	5.587	VV	192	2512	0.06%	0.015%
28	5.603	5.587	5.609	VV	168	1427	0.04%	0.009%
29	5.624	5.609	5.649	VV	344	4523	0.11%	0.028%
30	5.664	5.649	5.685	VV	1192	13954	0.35%	0.085%
31	5.707	5.685	5.730	VV	4382	48993	1.21%	0.298%
32	5.744	5.730	5.755	VV	582	6854	0.17%	0.042%
33	5.766	5.755	5.792	VV	983	12180	0.30%	0.074%
34	5.810	5.792	5.825	VV	413	6105	0.15%	0.037%
35	5.839	5.825	5.846	VV	409	4146	0.10%	0.025%
36	5.858	5.846	5.896	VV	450	6543	0.16%	0.040%

37	5.916	5.896	5.953	VV	409	7900	0.20%	0.048%
38	5.973	5.953	6.009	VV	508	6901	0.17%	0.042%
39	6.038	6.009	6.066	VV	219	4265	0.11%	0.026%
40	6.070	6.066	6.116	PV	117	1356	0.03%	0.008%
41	6.146	6.142	6.160	VV	159	1224	0.03%	0.007%
42	6.180	6.172	6.207	VV	255	3245	0.08%	0.020%
43	6.247	6.207	6.274	VV	707	15932	0.39%	0.097%
44	6.278	6.274	6.282	VV	303	1340	0.03%	0.008%
45	6.300	6.282	6.322	VV	936	13745	0.34%	0.084%
46	6.343	6.322	6.378	VV	2531	32452	0.80%	0.197%
47	6.411	6.378	6.433	VV	698	12421	0.31%	0.076%
48	6.481	6.433	6.519	VV	1038	24324	0.60%	0.148%
49	6.529	6.519	6.536	VV	224	1895	0.05%	0.012%
50	6.542	6.536	6.554	VV	293	2184	0.05%	0.013%
51	6.558	6.554	6.577	VV	288	2826	0.07%	0.017%
52	6.599	6.587	6.620	VV	206	2830	0.07%	0.017%
53	6.632	6.620	6.639	VV	134	1143	0.03%	0.007%
54	6.699	6.639	6.729	VV	2584	35733	0.88%	0.217%
55	6.740	6.729	6.754	VV	311	4102	0.10%	0.025%
56	6.786	6.754	6.805	VV	1507	22223	0.55%	0.135%
57	6.821	6.805	6.835	VV	1206	13333	0.33%	0.081%
58	6.853	6.835	6.874	VV	3232	36472	0.90%	0.222%
59	6.886	6.874	6.907	VV	820	9886	0.24%	0.060%
60	6.928	6.907	6.947	VV	1853	20311	0.50%	0.124%
61	6.957	6.947	6.975	VV	304	3727	0.09%	0.023%
62	6.986	6.975	7.012	VV	164	2551	0.06%	0.016%
63	7.028	7.020	7.047	VV	302	3083	0.08%	0.019%
64	7.083	7.047	7.101	VV	411	6547	0.16%	0.040%
65	7.108	7.101	7.128	VV	183	1584	0.04%	0.010%
66	7.155	7.128	7.188	PV	1427	18896	0.47%	0.115%
67	7.212	7.188	7.228	VV	1836	25555	0.63%	0.155%
68	7.252	7.228	7.309	VV	3091	70206	1.74%	0.427%
69	7.339	7.309	7.363	VV	3102	43067	1.07%	0.262%
70	7.387	7.363	7.415	VV	1549	23770	0.59%	0.145%
71	7.448	7.415	7.469	VV	487	10298	0.25%	0.063%
72	7.505	7.469	7.549	PV	4734	56315	1.39%	0.343%
73	7.568	7.549	7.577	VV	690	7779	0.19%	0.047%
74	7.584	7.577	7.600	VV	605	5646	0.14%	0.034%
75	7.615	7.600	7.628	VV	1010	10195	0.25%	0.062%
76	7.649	7.628	7.670	VV	1670	22445	0.56%	0.137%
77	7.686	7.670	7.697	VV	524	6019	0.15%	0.037%
78	7.715	7.697	7.729	VV	785	10949	0.27%	0.067%
79	7.742	7.729	7.765	VV	1290	14520	0.36%	0.088%
80	7.809	7.774	7.840	VV	360	6695	0.17%	0.041%
81	7.868	7.840	7.879	PV	220	2962	0.07%	0.018%
82	7.915	7.879	7.934	VV	1787	22140	0.55%	0.135%
83	7.962	7.934	8.039	VV	326580	3645969	90.17%	22.179%
84	8.047	8.039	8.075	VV	2761	48371	1.20%	0.294%
85	8.081	8.075	8.096	VV	1769	20123	0.50%	0.122%
86	8.106	8.096	8.140	VV	1458	29670	0.73%	0.180%
87	8.141	8.140	8.149	VV	830	4134	0.10%	0.025%
88	8.151	8.149	8.165	VV	761	6723	0.17%	0.041%
89	8.180	8.165	8.203	VV	975	16619	0.41%	0.101%

90	8.226	8.203	8.252	VV	1660	24746	0.61%	0.151%
91	8.259	8.252	8.273	VV	389	4647	0.11%	0.028%
92	8.282	8.273	8.296	VV	496	5315	0.13%	0.032%
93	8.320	8.296	8.351	VV	693	13845	0.34%	0.084%
94	8.355	8.351	8.359	VV	318	1386	0.03%	0.008%
95	8.364	8.359	8.371	VV	306	1714	0.04%	0.010%
96	8.380	8.371	8.387	VV	282	2000	0.05%	0.012%
97	8.438	8.387	8.459	VV	620	14471	0.36%	0.088%
98	8.464	8.459	8.468	VV	261	1153	0.03%	0.007%
99	8.472	8.468	8.492	VV	304	3336	0.08%	0.020%
100	8.536	8.492	8.580	VV	2472	40335	1.00%	0.245%
101	8.600	8.580	8.615	VV	775	11612	0.29%	0.071%
102	8.631	8.615	8.639	VV	979	11823	0.29%	0.072%
103	8.650	8.639	8.667	VV	987	14068	0.35%	0.086%
104	8.687	8.667	8.711	VV	883	14130	0.35%	0.086%
105	8.732	8.711	8.752	VV	807	11432	0.28%	0.070%
106	8.769	8.752	8.812	VV	798	9741	0.24%	0.059%
107	8.841	8.812	8.982	PV	150396	2104202	52.04%	12.800%
108	8.998	8.982	9.015	VV	1843	31963	0.79%	0.194%
109	9.031	9.015	9.042	VV	1534	22220	0.55%	0.135%
110	9.047	9.042	9.065	VV	1372	17365	0.43%	0.106%
111	9.081	9.065	9.086	VV	1872	20445	0.51%	0.124%
112	9.096	9.086	9.130	VV	2006	32479	0.80%	0.198%
113	9.142	9.130	9.179	VV	943	18518	0.46%	0.113%
114	9.195	9.179	9.221	VV	800	13987	0.35%	0.085%
115	9.266	9.221	9.334	VV	48575	573600	14.19%	3.489%
116	9.379	9.334	9.424	VV	3334	82639	2.04%	0.503%
117	9.427	9.424	9.437	VV	708	4816	0.12%	0.029%
118	9.452	9.437	9.485	VV	989	15389	0.38%	0.094%
119	9.501	9.485	9.532	VV	545	8445	0.21%	0.051%
120	9.555	9.532	9.572	VV	322	5888	0.15%	0.036%
121	9.588	9.572	9.629	VV	476	9555	0.24%	0.058%
122	9.648	9.629	9.663	VV	503	6579	0.16%	0.040%
123	9.670	9.663	9.689	VV	527	5076	0.13%	0.031%
124	9.697	9.689	9.712	VV	182	1820	0.05%	0.011%
125	9.732	9.712	9.793	VV	1123	23262	0.58%	0.142%
126	9.808	9.793	9.828	VV	328	5356	0.13%	0.033%
127	9.831	9.828	9.854	VV	333	2920	0.07%	0.018%
128	9.872	9.854	9.917	VV	748	10428	0.26%	0.063%
129	9.936	9.917	9.948	VV	345	4445	0.11%	0.027%
130	9.951	9.948	9.959	VV	236	1235	0.03%	0.008%
131	9.981	9.959	9.997	VV	1271	15879	0.39%	0.097%
132	10.021	9.997	10.127	VV	12123	241586	5.97%	1.470%
133	10.149	10.127	10.190	VV	1737	30019	0.74%	0.183%
134	10.221	10.190	10.239	VV	877	17827	0.44%	0.108%
135	10.243	10.239	10.248	VV	731	3569	0.09%	0.022%
136	10.250	10.248	10.292	VV	727	13010	0.32%	0.079%
137	10.300	10.292	10.309	VV	498	4168	0.10%	0.025%
138	10.320	10.309	10.358	VV	512	8741	0.22%	0.053%
139	10.361	10.358	10.381	VV	172	1716	0.04%	0.010%
140	10.396	10.381	10.402	VV	201	1399	0.03%	0.009%
141	10.428	10.402	10.443	VV	316	4850	0.12%	0.030%

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142	10.471	10.443	10.484	VV	549	9406	0.23%	0.057%
143	10.496	10.484	10.509	VV	539	6514	0.16%	0.040%
144	10.521	10.509	10.527	VV	439	4024	0.10%	0.024%
145	10.545	10.527	10.562	VV	710	10613	0.26%	0.065%
146	10.582	10.562	10.604	VV	639	11372	0.28%	0.069%
147	10.612	10.604	10.619	VV	497	3565	0.09%	0.022%
148	10.632	10.619	10.648	VV	497	7300	0.18%	0.044%
149	10.668	10.648	10.690	VV	928	12810	0.32%	0.078%
150	10.695	10.690	10.698	VV	288	1114	0.03%	0.007%
151	10.712	10.698	10.719	VV	368	3823	0.09%	0.023%
152	10.720	10.719	10.728	VV	321	1555	0.04%	0.009%
153	10.754	10.728	10.765	VV	570	10156	0.25%	0.062%
154	10.776	10.765	10.800	VV	550	9451	0.23%	0.057%
155	10.820	10.800	10.828	VV	879	9817	0.24%	0.060%
156	10.840	10.828	10.858	VV	843	13233	0.33%	0.080%
157	10.892	10.858	10.927	VV	1127	30484	0.75%	0.185%
158	10.946	10.927	10.967	VV	773	12787	0.32%	0.078%
159	10.972	10.967	10.976	VV	493	2396	0.06%	0.015%
160	10.981	10.976	10.992	VV	536	4543	0.11%	0.028%
161	11.019	10.992	11.057	VV	1631	28482	0.70%	0.173%
162	11.107	11.057	11.143	VV	935	21884	0.54%	0.133%
163	11.148	11.143	11.159	VV	232	1936	0.05%	0.012%
164	11.188	11.159	11.202	VV	593	11142	0.28%	0.068%
165	11.207	11.202	11.246	VV	559	10800	0.27%	0.066%
166	11.317	11.246	11.336	VV	763	23382	0.58%	0.142%
167	11.349	11.336	11.372	VV	512	6523	0.16%	0.040%
168	11.377	11.372	11.389	VV	175	1330	0.03%	0.008%
169	11.399	11.389	11.451	VV	201	3141	0.08%	0.019%
170	11.526	11.503	11.554	VV	611	9221	0.23%	0.056%
171	11.596	11.554	11.627	VV	1490	23696	0.59%	0.144%
172	11.650	11.627	11.655	VV	318	3415	0.08%	0.021%
173	11.671	11.655	11.733	VV	467	9163	0.23%	0.056%
174	11.755	11.733	11.773	VV	643	6733	0.17%	0.041%
175	11.788	11.773	11.825	VV	233	3961	0.10%	0.024%
176	11.828	11.825	11.862	VV	141	1354	0.03%	0.008%
177	11.913	11.862	11.979	PV	370591	4043454	100.00%	24.597%
178	11.983	11.979	12.007	VV	1160	16116	0.40%	0.098%
179	12.020	12.007	12.030	VV	761	9440	0.23%	0.057%
180	12.036	12.030	12.044	VV	767	6348	0.16%	0.039%
181	12.077	12.044	12.134	VV	2407	45766	1.13%	0.278%
182	12.149	12.134	12.185	VV	250	6644	0.16%	0.040%
183	12.206	12.185	12.215	VV	384	5569	0.14%	0.034%
184	12.259	12.215	12.293	VV	1261	31994	0.79%	0.195%
185	12.321	12.293	12.349	VV	9949	132638	3.28%	0.807%
186	12.362	12.349	12.389	VV	1064	15509	0.38%	0.094%
187	12.403	12.389	12.408	VV	424	3877	0.10%	0.024%
188	12.412	12.408	12.417	VV	407	2036	0.05%	0.012%
189	12.425	12.417	12.446	VV	517	5805	0.14%	0.035%
190	12.487	12.446	12.496	VV	1309	25007	0.62%	0.152%
191	12.525	12.496	12.664	VV	49205	655957	16.22%	3.990%
192	12.682	12.664	12.714	VV	733	19160	0.47%	0.117%
193	12.721	12.714	12.729	VV	597	4832	0.12%	0.029%
194	12.769	12.729	12.810	VV	3814	66248	1.64%	0.403%

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195	12.818	12.810	12.822	VV	322	1998	0.05%	0.012%
196	12.848	12.822	12.886	VV	1209	22744	0.56%	0.138%
197	12.910	12.886	12.944	VV	1923	28075	0.69%	0.171%
198	12.976	12.944	13.031	VV	1741	33353	0.82%	0.203%
199	13.037	13.031	13.066	VV	243	3826	0.09%	0.023%
200	13.074	13.066	13.100	PV	157	1946	0.05%	0.012%
201	13.189	13.140	13.222	VV	452	14519	0.36%	0.088%
202	13.244	13.222	13.255	VV	336	5490	0.14%	0.033%
203	13.276	13.255	13.325	VV	677	19978	0.49%	0.122%
204	13.356	13.325	13.448	VV	30755	410003	10.14%	2.494%
205	13.461	13.448	13.479	VV	479	8014	0.20%	0.049%
206	13.483	13.479	13.494	VV	485	3327	0.08%	0.020%
207	13.497	13.494	13.502	VV	352	1644	0.04%	0.010%
208	13.525	13.502	13.555	VV	711	16767	0.41%	0.102%
209	13.580	13.555	13.625	VV	6577	89748	2.22%	0.546%
210	13.631	13.625	13.633	VV	383	1714	0.04%	0.010%
211	13.647	13.633	13.685	VV	598	12330	0.30%	0.075%
212	13.705	13.685	13.711	VV	440	5735	0.14%	0.035%
213	13.757	13.711	13.780	VV	1477	31551	0.78%	0.192%
214	13.792	13.780	13.806	VV	644	9589	0.24%	0.058%
215	13.811	13.806	13.833	VV	687	7624	0.19%	0.046%
216	13.865	13.842	13.872	VV	289	4246	0.10%	0.026%
217	13.875	13.872	13.887	VV	316	2144	0.05%	0.013%
218	13.908	13.887	13.919	VV	329	5482	0.14%	0.033%
219	13.931	13.919	13.949	VV	711	9829	0.24%	0.060%
220	13.983	13.949	14.007	VV	522	12203	0.30%	0.074%
221	14.024	14.007	14.029	VV	348	3333	0.08%	0.020%
222	14.066	14.029	14.092	VV	4015	60873	1.51%	0.370%
223	14.113	14.092	14.159	VV	1680	28541	0.71%	0.174%
224	14.162	14.159	14.191	VV	199	2838	0.07%	0.017%
225	14.210	14.191	14.222	VV	335	3594	0.09%	0.022%
226	14.224	14.222	14.237	VV	226	1487	0.04%	0.009%
227	14.243	14.237	14.257	VV	183	1331	0.03%	0.008%
228	14.276	14.257	14.289	VV	128	1368	0.03%	0.008%
229	14.336	14.299	14.345	PV	240	3241	0.08%	0.020%
230	14.350	14.345	14.358	VV	239	1533	0.04%	0.009%
231	14.366	14.358	14.372	VV	279	1869	0.05%	0.011%
232	14.380	14.377	14.389	VV	242	1383	0.03%	0.008%
233	14.394	14.389	14.412	VV	254	2283	0.06%	0.014%
234	14.476	14.424	14.494	VV	340	9155	0.23%	0.056%
235	14.552	14.494	14.616	VV	1108	39991	0.99%	0.243%
236	14.621	14.616	14.625	VV	358	1753	0.04%	0.011%
237	14.680	14.625	14.712	VV	532	19677	0.49%	0.120%
238	14.716	14.712	14.721	VV	332	1681	0.04%	0.010%
239	14.752	14.721	14.767	VV	714	14594	0.36%	0.089%
240	14.772	14.767	14.796	VV	677	9684	0.24%	0.059%
241	14.812	14.796	14.821	VV	541	7314	0.18%	0.044%
242	14.827	14.821	14.833	VV	542	3564	0.09%	0.022%
243	14.839	14.833	14.874	VV	531	9449	0.23%	0.057%
244	14.880	14.874	14.895	VV	304	3636	0.09%	0.022%
245	14.916	14.895	14.921	VV	629	6541	0.16%	0.040%
246	14.925	14.921	14.961	VV	536	8640	0.21%	0.053%

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247	14.992	14.961	15.012	VV	904	16926	0.42%	0.103%
248	15.027	15.012	15.041	VV	549	7297	0.18%	0.044%
249	15.059	15.041	15.094	VV	593	10744	0.27%	0.065%
250	15.106	15.094	15.112	VV	238	2121	0.05%	0.013%
251	15.124	15.112	15.131	VV	243	2256	0.06%	0.014%
252	15.180	15.131	15.207	VV	2354	51863	1.28%	0.315%
253	15.218	15.207	15.239	VV	1777	25740	0.64%	0.157%
254	15.265	15.239	15.308	VV	3052	49410	1.22%	0.301%
255	15.327	15.308	15.336	VV	442	5563	0.14%	0.034%
256	15.338	15.336	15.343	VV	339	1316	0.03%	0.008%
257	15.345	15.343	15.359	VV	326	2121	0.05%	0.013%
258	15.390	15.359	15.407	VV	474	8055	0.20%	0.049%
259	15.417	15.407	15.450	VV	218	3182	0.08%	0.019%
260	15.460	15.450	15.472	VV	115	1055	0.03%	0.006%
261	15.516	15.502	15.545	PV	216	2710	0.07%	0.016%
262	15.585	15.565	15.590	VV	230	1872	0.05%	0.011%
263	15.634	15.590	15.715	VV	7583	250759	6.20%	1.525%
264	15.758	15.715	15.841	VV	3582	85430	2.11%	0.520%
265	15.869	15.841	15.884	VV	296	6336	0.16%	0.039%
266	15.887	15.884	15.896	VV	259	1833	0.05%	0.011%
267	15.901	15.896	15.911	VV	229	2032	0.05%	0.012%
268	15.919	15.911	15.923	VV	271	1746	0.04%	0.011%
269	15.929	15.923	15.935	VV	272	1670	0.04%	0.010%
270	15.948	15.935	15.987	VV	406	8127	0.20%	0.049%
271	16.007	15.987	16.015	VV	218	2861	0.07%	0.017%
272	16.056	16.015	16.065	VV	433	8499	0.21%	0.052%
273	16.068	16.065	16.085	VV	395	3743	0.09%	0.023%
274	16.102	16.085	16.125	VV	413	7696	0.19%	0.047%
275	16.135	16.125	16.140	VV	295	2225	0.06%	0.014%
276	16.158	16.140	16.164	VV	390	4634	0.11%	0.028%
277	16.167	16.164	16.184	VV	392	4161	0.10%	0.025%
278	16.204	16.184	16.222	VV	764	12130	0.30%	0.074%
279	16.244	16.222	16.273	VV	1349	22142	0.55%	0.135%
280	16.279	16.273	16.284	VV	307	1808	0.04%	0.011%
281	16.304	16.284	16.341	VV	634	12370	0.31%	0.075%
282	16.352	16.341	16.365	VV	122	1460	0.04%	0.009%
283	16.384	16.365	16.398	VV	201	2658	0.07%	0.016%
284	16.440	16.410	16.449	VV	317	4615	0.11%	0.028%
285	16.451	16.449	16.493	VV	207	2619	0.06%	0.016%
286	16.571	16.527	16.577	VV	144	2027	0.05%	0.012%
287	16.659	16.607	16.715	VV	821	29086	0.72%	0.177%
288	16.728	16.715	16.776	VV	659	13645	0.34%	0.083%
289	16.808	16.776	16.839	VV	858	16593	0.41%	0.101%
290	16.874	16.846	16.919	VV	602	16854	0.42%	0.103%
291	16.924	16.919	16.929	VV	343	1800	0.04%	0.011%
292	16.938	16.929	16.954	VV	342	4475	0.11%	0.027%
293	16.958	16.954	16.991	VV	261	4185	0.10%	0.025%
294	17.010	17.005	17.039	VV	271	3672	0.09%	0.022%
295	17.045	17.039	17.054	VV	199	1365	0.03%	0.008%
296	17.068	17.054	17.070	VV	255	1719	0.04%	0.010%
297	17.082	17.070	17.110	VV	397	6884	0.17%	0.042%
298	17.122	17.110	17.127	VV	318	2802	0.07%	0.017%
299	17.131	17.127	17.140	VV	300	2045	0.05%	0.012%

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300	17.162	17.140	17.176	VV	842	13044	0.32%	0.079%
301	17.197	17.176	17.221	VV	1392	22888	0.57%	0.139%
302	17.242	17.221	17.259	VV	769	10856	0.27%	0.066%
303	17.276	17.259	17.335	VV	459	10302	0.25%	0.063%
304	17.345	17.335	17.355	VV	143	1106	0.03%	0.007%
305	17.388	17.375	17.414	VV	196	2098	0.05%	0.013%
306	17.522	17.476	17.552	VV	201	5781	0.14%	0.035%
307	17.607	17.552	17.616	VV	479	8325	0.21%	0.051%
308	17.647	17.616	17.704	VV	1299	27003	0.67%	0.164%
309	17.730	17.704	17.769	VV	443	8314	0.21%	0.051%
310	17.869	17.805	17.895	PV	607	12937	0.32%	0.079%
311	17.898	17.895	17.910	VV	316	1855	0.05%	0.011%
312	17.940	17.910	17.987	VV	729	13892	0.34%	0.085%
313	18.005	17.987	18.013	PV	125	1546	0.04%	0.009%
314	18.049	18.013	18.067	VV	908	19039	0.47%	0.116%
315	18.085	18.067	18.119	VV	1687	25661	0.63%	0.156%
316	18.175	18.119	18.241	VV	3202	62074	1.54%	0.378%
317	18.264	18.241	18.284	VV	390	6282	0.16%	0.038%
318	18.287	18.284	18.299	VV	210	1206	0.03%	0.007%
319	18.317	18.299	18.335	VV	391	4870	0.12%	0.030%
320	18.360	18.335	18.385	PV	363	4589	0.11%	0.028%
321	18.404	18.385	18.431	VV	883	11651	0.29%	0.071%
322	18.506	18.431	18.581	PV	3182	134307	3.32%	0.817%
323	18.610	18.581	18.631	VV	571	11734	0.29%	0.071%
324	18.637	18.631	18.650	VV	342	3108	0.08%	0.019%
325	18.653	18.650	18.666	VV	201	1340	0.03%	0.008%
326	18.684	18.666	18.702	VV	106	1227	0.03%	0.007%
327	18.796	18.702	18.805	PV	186	7533	0.19%	0.046%
328	18.819	18.805	18.831	VV	118	1203	0.03%	0.007%
329	18.921	18.831	18.977	PV	1915	43080	1.07%	0.262%

Sum of corrected areas: 16439105

Aromatic EPH 031725.M Sat Mar 29 04:51:02 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-20	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 23:33	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.0	J	1	8.28	30.0	ug/l	FC068481.D
Aliphatic C12-C16	Aliphatic C12-C16	37.7		1	13.5	20.0	ug/l	FC068481.D
Aliphatic C16-C21	Aliphatic C16-C21	35.6		1	8.34	30.0	ug/l	FC068481.D
Aliphatic C21-C28	Aliphatic C21-C28	29.0	J	1	12.5	40.0	ug/l	FC068481.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068481.D
Aromatic C10-C12	Aromatic C10-C12	22.6		1	2.07	20.0	ug/l	FG015607.D
Aromatic C12-C16	Aromatic C12-C16	33.1		1	4.26	30.0	ug/l	FG015607.D
Aromatic C16-C21	Aromatic C16-C21	189		1	8.27	50.0	ug/l	FG015607.D
Aromatic C21-C36	Aromatic C21-C36	95.0		1	23.8	80.0	ug/l	FG015607.D
Total AliphaticEPH	Total AliphaticEPH	114	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	340			38.4	180	ug/l	
Total EPH	Total EPH	454			105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-007-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-20		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068481.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	12.0	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	37.7		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	35.6		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	29.0	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.1		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-20	Acq On:	01 Apr 2025 23:33
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP/AJ
Data file:	FC068481.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	970191	5.977	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3173176	18.866	200	ug/ml
Aliphatic C16-C21	9.743	13.096	3054594	17.81	300	ug/ml
Aliphatic C21-C28	13.097	16.749	2446758	14.489	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2208633	16.219	600	ug/ml
Aliphatic EPH	3.097	21.544	11853352	73.362		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	7918885	53.12		ug/ml
Aliphatic C9-C28	3.097	16.749	9644719	57.142	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068481.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 23:33
Operator : YP/AJ
Sample : Q1664-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-007-01

Integration File: autoint1.e
Quant Time: Apr 02 03:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	7918885	53.120 ug/ml
Spiked Amount 50.000		Recovery = 106.24%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

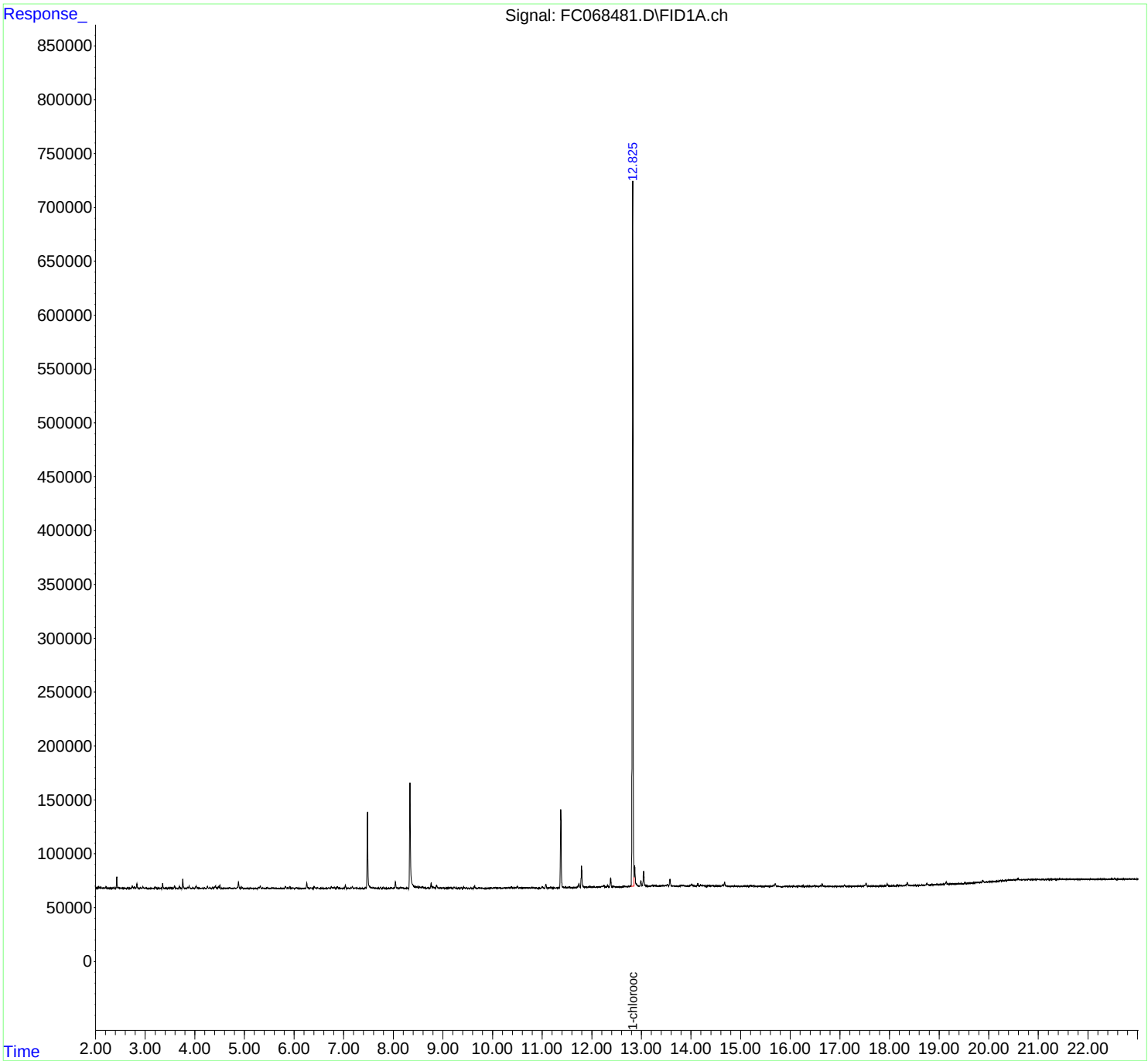
Quantitation Report (QT Reviewed)

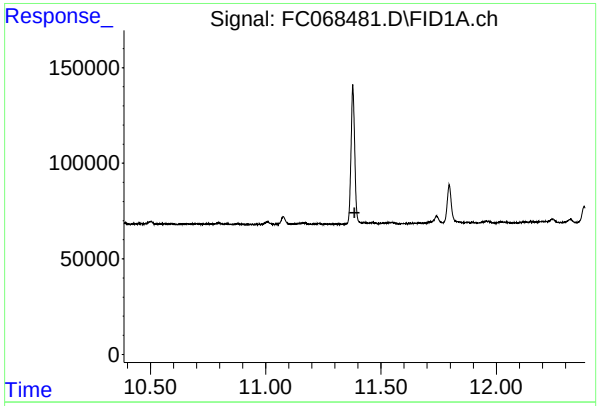
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068481.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 23:33
Operator : YP/AJ
Sample : Q1664-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-007-01

Integration File: autoint1.e
Quant Time: Apr 02 03:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

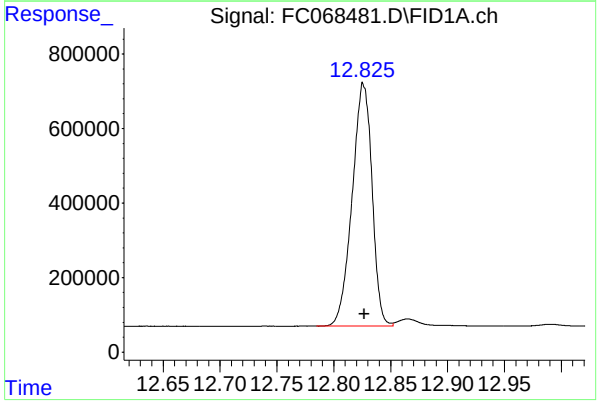




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-007-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 7918885
Conc: 53.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068481.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 23:33
Sample : Q1664-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.355	2.304	2.373	BV	759	6530	0.08%	0.032%
2	2.387	2.373	2.404	PV	356	2846	0.04%	0.014%
3	2.427	2.404	2.454	VV	10694	86893	1.09%	0.428%
4	2.468	2.454	2.541	VV	939	14535	0.18%	0.072%
5	2.553	2.541	2.568	VV	309	2753	0.03%	0.014%
6	2.586	2.568	2.617	VV	429	4802	0.06%	0.024%
7	2.651	2.617	2.705	VV	661	9638	0.12%	0.047%
8	2.738	2.705	2.767	PV	2046	33054	0.41%	0.163%
9	2.783	2.767	2.814	VV	1475	18391	0.23%	0.091%
10	2.833	2.814	2.871	VV	4392	42779	0.53%	0.211%
11	2.912	2.871	2.930	VV	377	8449	0.11%	0.042%
12	2.955	2.930	3.001	VV	1625	20810	0.26%	0.103%
13	3.022	3.001	3.038	VV	304	4471	0.06%	0.022%
14	3.050	3.038	3.114	VV	226	5860	0.07%	0.029%
15	3.137	3.114	3.151	VV	157	2285	0.03%	0.011%
16	3.169	3.151	3.177	VV	158	1914	0.02%	0.009%
17	3.200	3.177	3.249	VV	1098	13794	0.17%	0.068%
18	3.296	3.249	3.329	VV	293	7095	0.09%	0.035%
19	3.351	3.329	3.422	VV	4844	48873	0.61%	0.241%
20	3.456	3.422	3.463	VV	307	4314	0.05%	0.021%
21	3.490	3.463	3.504	VV	393	7178	0.09%	0.035%
22	3.518	3.504	3.551	VV	618	8695	0.11%	0.043%
23	3.563	3.551	3.573	VV	514	4620	0.06%	0.023%
24	3.590	3.573	3.667	VV	2333	32769	0.41%	0.161%
25	3.687	3.667	3.736	VV	1789	27677	0.35%	0.136%
26	3.758	3.736	3.823	VV	8774	88342	1.10%	0.435%
27	3.857	3.823	3.870	VV	1329	16176	0.20%	0.080%
28	3.885	3.870	3.934	VV	2415	27029	0.34%	0.133%
29	3.950	3.934	3.979	VV	410	6731	0.08%	0.033%
30	4.027	3.979	4.102	VV	1992	43329	0.54%	0.214%
31	4.136	4.102	4.164	VV	337	6486	0.08%	0.032%
32	4.171	4.164	4.188	VV	212	2519	0.03%	0.012%
33	4.201	4.188	4.224	VV	303	4078	0.05%	0.020%
34	4.254	4.224	4.279	VV	2225	25943	0.32%	0.128%
35	4.292	4.279	4.311	VV	563	7002	0.09%	0.035%
36	4.323	4.311	4.336	VV	258	3034	0.04%	0.015%

rteres

37	4.363	4.336	4.381	VV	657	11001	0.14%	0.054%
38	4.418	4.381	4.439	VV	2352	40752	0.51%	0.201%
39	4.448	4.439	4.457	VV	474	4254	0.05%	0.021%
40	4.474	4.457	4.488	VV	2042	21291	0.27%	0.105%
41	4.504	4.488	4.545	VV	3021	32507	0.41%	0.160%
42	4.566	4.545	4.587	VV	309	4733	0.06%	0.023%
43	4.599	4.587	4.608	VV	231	2399	0.03%	0.012%
44	4.622	4.608	4.648	VV	403	6568	0.08%	0.032%
45	4.665	4.648	4.676	VV	265	3542	0.04%	0.017%
46	4.697	4.676	4.756	VV	408	9537	0.12%	0.047%
47	4.775	4.756	4.783	VV	251	2427	0.03%	0.012%
48	4.803	4.783	4.831	VV	421	6933	0.09%	0.034%
49	4.880	4.831	4.914	VV	6178	87875	1.10%	0.433%
50	4.936	4.914	4.952	VV	1485	18056	0.23%	0.089%
51	4.961	4.952	4.981	VV	464	5408	0.07%	0.027%
52	4.987	4.981	4.996	VV	183	1369	0.02%	0.007%
53	5.000	4.996	5.021	VV	143	1179	0.01%	0.006%
54	5.038	5.021	5.046	VV	92	777	0.01%	0.004%
55	5.071	5.046	5.091	PV	288	4331	0.05%	0.021%
56	5.116	5.091	5.137	VV	340	5976	0.07%	0.029%
57	5.154	5.137	5.216	VV	373	7077	0.09%	0.035%
58	5.248	5.216	5.262	VV	233	2531	0.03%	0.012%
59	5.282	5.262	5.299	PV	1379	15697	0.20%	0.077%
60	5.320	5.299	5.358	VV	2530	31890	0.40%	0.157%
61	5.377	5.358	5.404	VV	644	8416	0.11%	0.041%
62	5.414	5.404	5.428	VV	145	1398	0.02%	0.007%
63	5.461	5.428	5.514	VV	540	12941	0.16%	0.064%
64	5.568	5.514	5.593	VV	546	14441	0.18%	0.071%
65	5.610	5.593	5.671	VV	448	11780	0.15%	0.058%
66	5.686	5.671	5.714	VV	213	2995	0.04%	0.015%
67	5.732	5.714	5.754	VV	263	3331	0.04%	0.016%
68	5.782	5.754	5.795	VV	284	4048	0.05%	0.020%
69	5.828	5.795	5.861	VV	1774	32636	0.41%	0.161%
70	5.876	5.861	5.895	VV	965	12632	0.16%	0.062%
71	5.918	5.895	5.957	VV	1788	24853	0.31%	0.122%
72	5.978	5.957	6.018	VV	994	15031	0.19%	0.074%
73	6.050	6.018	6.083	PV	614	12664	0.16%	0.062%
74	6.093	6.083	6.121	VV	305	4498	0.06%	0.022%
75	6.139	6.121	6.159	VV	260	4354	0.05%	0.021%
76	6.173	6.159	6.205	VV	237	4037	0.05%	0.020%
77	6.258	6.205	6.312	VV	5508	68534	0.86%	0.338%
78	6.340	6.312	6.359	VV	939	13609	0.17%	0.067%
79	6.375	6.359	6.387	VV	764	7685	0.10%	0.038%
80	6.406	6.387	6.426	VV	2124	24863	0.31%	0.123%
81	6.438	6.426	6.460	VV	671	8492	0.11%	0.042%
82	6.477	6.460	6.514	VV	943	11552	0.14%	0.057%
83	6.531	6.514	6.564	VV	292	4297	0.05%	0.021%
84	6.583	6.564	6.604	VV	306	4220	0.05%	0.021%
85	6.645	6.604	6.675	VV	367	7584	0.09%	0.037%
86	6.697	6.675	6.727	VV	894	11837	0.15%	0.058%
87	6.750	6.727	6.786	VV	1509	28999	0.36%	0.143%
88	6.812	6.786	6.844	VV	1137	23345	0.29%	0.115%
89	6.875	6.844	6.900	VV	1934	30510	0.38%	0.150%

90	6.912	6.900	6.937	VV	504	6793	0.08%	0.033%
91	6.956	6.937	6.970	VV	358	4757	0.06%	0.023%
92	6.980	6.970	6.993	VV	453	4099	0.05%	0.020%
93	7.036	6.993	7.068	VV	3480	45495	0.57%	0.224%
94	7.095	7.068	7.128	VV	501	11856	0.15%	0.058%
95	7.143	7.128	7.156	VV	703	8263	0.10%	0.041%
96	7.176	7.156	7.199	VV	2055	25139	0.31%	0.124%
97	7.239	7.199	7.251	VV	544	11948	0.15%	0.059%
98	7.266	7.251	7.302	VV	786	11076	0.14%	0.055%
99	7.310	7.302	7.328	VV	134	1807	0.02%	0.009%
100	7.347	7.328	7.364	VV	213	3137	0.04%	0.015%
101	7.385	7.364	7.396	VV	262	2478	0.03%	0.012%
102	7.436	7.396	7.458	VV	1393	16696	0.21%	0.082%
103	7.480	7.458	7.571	VV	70963	794872	9.93%	3.917%
104	7.594	7.571	7.680	VV	716	30984	0.39%	0.153%
105	7.697	7.680	7.724	VV	464	7247	0.09%	0.036%
106	7.741	7.724	7.774	VV	1319	17783	0.22%	0.088%
107	7.797	7.774	7.816	VV	1198	14176	0.18%	0.070%
108	7.835	7.816	7.855	VV	362	6377	0.08%	0.031%
109	7.867	7.855	7.882	VV	288	3193	0.04%	0.016%
110	7.897	7.882	7.924	VV	309	4299	0.05%	0.021%
111	7.952	7.924	8.001	VV	895	18281	0.23%	0.090%
112	8.044	8.001	8.114	VV	6281	89007	1.11%	0.439%
113	8.141	8.114	8.176	VV	843	19886	0.25%	0.098%
114	8.190	8.176	8.218	VV	476	7802	0.10%	0.038%
115	8.235	8.218	8.255	VV	481	5577	0.07%	0.027%
116	8.276	8.255	8.300	VV	684	8014	0.10%	0.039%
117	8.337	8.300	8.481	PV	97665	1340524	16.75%	6.606%
118	8.499	8.481	8.518	VV	1412	27094	0.34%	0.134%
119	8.530	8.518	8.564	VV	1248	28598	0.36%	0.141%
120	8.585	8.564	8.627	VV	1348	35058	0.44%	0.173%
121	8.643	8.627	8.668	VV	739	12697	0.16%	0.063%
122	8.695	8.668	8.715	VV	646	12370	0.15%	0.061%
123	8.764	8.715	8.785	VV	5164	69731	0.87%	0.344%
124	8.799	8.785	8.850	VV	1345	37334	0.47%	0.184%
125	8.878	8.850	8.930	VV	2851	55843	0.70%	0.275%
126	8.949	8.930	8.974	VV	918	14361	0.18%	0.071%
127	8.999	8.974	9.024	VV	691	11791	0.15%	0.058%
128	9.044	9.024	9.060	VV	377	6261	0.08%	0.031%
129	9.079	9.060	9.126	VV	471	14575	0.18%	0.072%
130	9.164	9.126	9.204	VV	739	20919	0.26%	0.103%
131	9.227	9.204	9.265	VV	1432	24128	0.30%	0.119%
132	9.282	9.265	9.348	VV	434	12391	0.15%	0.061%
133	9.369	9.348	9.395	VV	731	12323	0.15%	0.061%
134	9.421	9.395	9.454	VV	1163	17441	0.22%	0.086%
135	9.471	9.454	9.496	VV	680	9809	0.12%	0.048%
136	9.513	9.496	9.535	VV	228	3566	0.04%	0.018%
137	9.564	9.535	9.579	PV	537	7351	0.09%	0.036%
138	9.589	9.579	9.614	VV	241	3975	0.05%	0.020%
139	9.642	9.614	9.686	VV	2215	34593	0.43%	0.170%
140	9.711	9.686	9.769	VV	454	16017	0.20%	0.079%
141	9.782	9.769	9.831	VV	316	7899	0.10%	0.039%

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142	9.857	9.831	9.880	PV	207	3202	0.04%	0.016%
143	9.955	9.880	9.988	VV	453	14200	0.18%	0.070%
144	10.031	9.988	10.047	VV	633	14507	0.18%	0.071%
145	10.067	10.047	10.088	VV	681	11134	0.14%	0.055%
146	10.119	10.088	10.131	VV	496	9696	0.12%	0.048%
147	10.147	10.131	10.214	VV	582	14904	0.19%	0.073%
148	10.236	10.214	10.254	VV	575	8704	0.11%	0.043%
149	10.268	10.254	10.288	VV	524	8259	0.10%	0.041%
150	10.312	10.288	10.341	VV	656	14113	0.18%	0.070%
151	10.378	10.341	10.414	VV	1160	26967	0.34%	0.133%
152	10.428	10.414	10.441	VV	570	7092	0.09%	0.035%
153	10.456	10.441	10.471	VV	563	8857	0.11%	0.044%
154	10.501	10.471	10.572	VV	1680	39199	0.49%	0.193%
155	10.590	10.572	10.614	VV	494	7888	0.10%	0.039%
156	10.661	10.614	10.671	VV	393	9248	0.12%	0.046%
157	10.697	10.671	10.731	VV	496	11560	0.14%	0.057%
158	10.741	10.731	10.754	VV	327	4238	0.05%	0.021%
159	10.797	10.754	10.816	VV	921	18053	0.23%	0.089%
160	10.828	10.816	10.854	VV	466	5943	0.07%	0.029%
161	10.878	10.854	10.929	VV	352	7097	0.09%	0.035%
162	11.007	10.929	11.044	PV	1421	21605	0.27%	0.106%
163	11.076	11.044	11.110	VV	4091	52427	0.66%	0.258%
164	11.126	11.110	11.141	VV	320	4992	0.06%	0.025%
165	11.165	11.141	11.211	VV	801	16066	0.20%	0.079%
166	11.229	11.211	11.268	VV	476	6742	0.08%	0.033%
167	11.274	11.268	11.282	VV	88	803	0.01%	0.004%
168	11.378	11.282	11.419	VV	72195	818189	10.22%	4.032%
169	11.426	11.419	11.446	VV	841	12585	0.16%	0.062%
170	11.463	11.446	11.489	VV	940	17710	0.22%	0.087%
171	11.546	11.489	11.578	VV	904	32864	0.41%	0.162%
172	11.591	11.578	11.607	VV	325	4898	0.06%	0.024%
173	11.643	11.607	11.654	VV	471	11539	0.14%	0.057%
174	11.673	11.654	11.682	VV	537	8201	0.10%	0.040%
175	11.741	11.682	11.766	VV	4111	81170	1.01%	0.400%
176	11.796	11.766	11.858	VV	20389	286867	3.58%	1.414%
177	11.875	11.858	11.888	VV	896	14551	0.18%	0.072%
178	11.896	11.888	11.920	VV	875	13338	0.17%	0.066%
179	11.958	11.920	11.994	VV	1522	43939	0.55%	0.217%
180	12.021	11.994	12.068	VV	1038	35518	0.44%	0.175%
181	12.119	12.068	12.135	VV	993	29618	0.37%	0.146%
182	12.152	12.135	12.169	VV	1206	21236	0.27%	0.105%
183	12.212	12.169	12.223	VV	1358	38056	0.48%	0.188%
184	12.244	12.223	12.278	VV	2519	49692	0.62%	0.245%
185	12.321	12.278	12.351	VV	2331	54224	0.68%	0.267%
186	12.381	12.351	12.421	VV	9195	135264	1.69%	0.667%
187	12.444	12.421	12.478	VV	1561	39194	0.49%	0.193%
188	12.495	12.478	12.511	VV	1021	17734	0.22%	0.087%
189	12.522	12.511	12.591	VV	1057	35053	0.44%	0.173%
190	12.635	12.591	12.688	VV	1445	61924	0.77%	0.305%
191	12.703	12.688	12.718	VV	1271	19710	0.25%	0.097%
192	12.741	12.718	12.758	VV	1365	28223	0.35%	0.139%
193	12.826	12.758	12.852	VV	649071	8003540	100.00%	39.442%
194	12.865	12.852	12.956	VV	20557	371980	4.65%	1.833%

195	12.991	12.956	13.021	VV	6353	121210	1.51%	0.597%
196	13.045	13.021	13.144	VV	15238	294712	3.68%	1.452%
197	13.154	13.144	13.164	VV	1397	16070	0.20%	0.079%
198	13.221	13.164	13.244	VV	1972	81587	1.02%	0.402%
199	13.265	13.244	13.298	VV	2148	60204	0.75%	0.297%
200	13.303	13.298	13.351	VV	1896	48136	0.60%	0.237%
201	13.371	13.351	13.386	VV	1797	33250	0.42%	0.164%
202	13.423	13.386	13.463	VV	1954	77464	0.97%	0.382%
203	13.481	13.463	13.498	VV	1776	34065	0.43%	0.168%
204	13.523	13.498	13.548	VV	2972	64079	0.80%	0.316%
205	13.576	13.548	13.611	VV	7771	136512	1.71%	0.673%
206	13.634	13.611	13.699	VV	1673	76345	0.95%	0.376%
207	13.713	13.699	13.755	VV	1389	40487	0.51%	0.200%
208	13.802	13.755	13.833	VV	2056	76330	0.95%	0.376%
209	13.849	13.833	13.858	VV	1770	25617	0.32%	0.126%
210	13.865	13.858	13.888	VV	1709	27429	0.34%	0.135%
211	13.907	13.888	13.924	VV	1432	30722	0.38%	0.151%
212	13.939	13.924	13.948	VV	1444	19802	0.25%	0.098%
213	14.011	13.948	14.114	VV	3020	168323	2.10%	0.830%
214	14.136	14.114	14.171	VV	3611	72571	0.91%	0.358%
215	14.197	14.171	14.243	VV	2326	73804	0.92%	0.364%
216	14.264	14.243	14.317	VV	1545	60123	0.75%	0.296%
217	14.341	14.317	14.381	VV	1628	55791	0.70%	0.275%
218	14.390	14.381	14.414	VV	1454	27335	0.34%	0.135%
219	14.449	14.414	14.471	VV	1530	47471	0.59%	0.234%
220	14.486	14.471	14.499	VV	1388	21630	0.27%	0.107%
221	14.532	14.499	14.564	VV	1437	48196	0.60%	0.238%
222	14.593	14.564	14.604	VV	1189	26401	0.33%	0.130%
223	14.633	14.604	14.653	VV	2389	48198	0.60%	0.238%
224	14.676	14.653	14.713	VV	5150	92143	1.15%	0.454%
225	14.732	14.713	14.827	VV	1280	63522	0.79%	0.313%
226	14.866	14.827	14.894	VV	1153	38181	0.48%	0.188%
227	14.916	14.894	14.932	VV	956	20360	0.25%	0.100%
228	14.942	14.932	14.985	VV	919	25014	0.31%	0.123%
229	15.015	14.985	15.044	VV	838	26482	0.33%	0.131%
230	15.061	15.044	15.080	VV	955	17347	0.22%	0.085%
231	15.105	15.080	15.150	VV	945	33530	0.42%	0.165%
232	15.197	15.150	15.228	VV	1748	50951	0.64%	0.251%
233	15.253	15.228	15.296	VV	1335	39767	0.50%	0.196%
234	15.305	15.296	15.311	VV	695	6032	0.08%	0.030%
235	15.334	15.311	15.347	VV	653	13561	0.17%	0.067%
236	15.371	15.347	15.396	VV	873	21773	0.27%	0.107%
237	15.400	15.396	15.411	VV	767	6566	0.08%	0.032%
238	15.421	15.411	15.468	VV	719	20969	0.26%	0.103%
239	15.512	15.468	15.537	VV	827	28823	0.36%	0.142%
240	15.552	15.537	15.631	VV	770	34808	0.43%	0.172%
241	15.656	15.631	15.672	VV	1552	26312	0.33%	0.130%
242	15.696	15.672	15.840	VV	3197	85832	1.07%	0.423%
243	15.866	15.840	15.884	VV	550	11915	0.15%	0.059%
244	15.896	15.884	15.902	VV	477	4663	0.06%	0.023%
245	15.917	15.902	15.964	VV	549	14712	0.18%	0.073%
246	15.999	15.964	16.014	VV	554	14423	0.18%	0.071%

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247	16.059	16.014	16.089	VV	623	22089	0.28%	0.109%
248	16.106	16.089	16.128	VV	426	8236	0.10%	0.041%
249	16.136	16.128	16.144	VV	320	3223	0.04%	0.016%
250	16.176	16.144	16.198	VV	1029	19640	0.25%	0.097%
251	16.253	16.198	16.314	VV	999	35651	0.45%	0.176%
252	16.344	16.314	16.378	VV	688	19673	0.25%	0.097%
253	16.386	16.378	16.419	VV	527	10340	0.13%	0.051%
254	16.428	16.419	16.446	VV	339	4341	0.05%	0.021%
255	16.481	16.446	16.550	VV	994	35820	0.45%	0.177%
256	16.562	16.550	16.584	VV	440	6901	0.09%	0.034%
257	16.609	16.584	16.622	VV	1170	17184	0.21%	0.085%
258	16.644	16.622	16.671	VV	2611	42102	0.53%	0.207%
259	16.682	16.671	16.714	VV	571	10647	0.13%	0.052%
260	16.731	16.714	16.834	VV	306	15283	0.19%	0.075%
261	16.864	16.834	16.900	VV	236	6263	0.08%	0.031%
262	16.951	16.900	16.964	VV	200	5845	0.07%	0.029%
263	16.976	16.964	17.017	VV	173	4714	0.06%	0.023%
264	17.027	17.017	17.049	VV	185	2354	0.03%	0.012%
265	17.093	17.049	17.154	PV	1287	29680	0.37%	0.146%
266	17.205	17.154	17.241	VV	304	10745	0.13%	0.053%
267	17.247	17.241	17.281	VV	234	3939	0.05%	0.019%
268	17.302	17.281	17.317	VV	342	5455	0.07%	0.027%
269	17.341	17.317	17.369	VV	525	11989	0.15%	0.059%
270	17.377	17.369	17.430	VV	367	9323	0.12%	0.046%
271	17.529	17.430	17.591	VV	2984	69781	0.87%	0.344%
272	17.651	17.591	17.662	VV	300	9221	0.12%	0.045%
273	17.677	17.662	17.767	VV	337	12967	0.16%	0.064%
274	17.827	17.767	17.864	PV	249	8292	0.10%	0.041%
275	17.951	17.864	17.988	VV	1736	33235	0.42%	0.164%
276	18.035	17.988	18.045	VV	213	5090	0.06%	0.025%
277	18.054	18.045	18.064	VV	116	1112	0.01%	0.005%
278	18.088	18.064	18.108	VV	198	2741	0.03%	0.014%
279	18.149	18.108	18.187	PV	356	8275	0.10%	0.041%
280	18.223	18.187	18.254	VV	266	7240	0.09%	0.036%
281	18.257	18.254	18.274	VV	200	1242	0.02%	0.006%
282	18.360	18.274	18.446	VV	2662	61338	0.77%	0.302%
283	18.482	18.446	18.501	VV	183	3922	0.05%	0.019%
284	18.525	18.501	18.540	VV	135	2449	0.03%	0.012%
285	18.558	18.540	18.572	VV	178	2220	0.03%	0.011%
286	18.617	18.572	18.647	PV	209	3901	0.05%	0.019%
287	18.672	18.647	18.698	VV	133	2970	0.04%	0.015%
288	18.711	18.698	18.718	VV	120	838	0.01%	0.004%
289	18.756	18.718	18.800	VV	1424	24057	0.30%	0.119%
290	18.869	18.800	18.880	PV	199	3233	0.04%	0.016%
291	18.939	18.880	18.968	VV	318	9196	0.11%	0.045%
292	19.012	18.968	19.028	VV	261	6676	0.08%	0.033%
293	19.052	19.028	19.071	VV	260	5090	0.06%	0.025%
294	19.143	19.071	19.214	VV	2274	53936	0.67%	0.266%
295	19.306	19.214	19.318	VV	309	12434	0.16%	0.061%
296	19.335	19.318	19.348	VV	344	4609	0.06%	0.023%
297	19.393	19.348	19.404	VV	380	9627	0.12%	0.047%
298	19.415	19.404	19.421	VV	288	2780	0.03%	0.014%
299	19.430	19.421	19.484	VV	310	8728	0.11%	0.043%

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300	19.519	19.484	19.552	VV	1134	22693	0.28%	0.112%
301	19.574	19.552	19.581	VV	323	4720	0.06%	0.023%
302	19.592	19.581	19.601	VV	278	2881	0.04%	0.014%
303	19.669	19.601	19.680	VV	496	16464	0.21%	0.081%
304	19.703	19.680	19.723	VV	615	14678	0.18%	0.072%
305	19.781	19.723	19.808	VV	935	36034	0.45%	0.178%
306	19.881	19.808	19.918	VV	2127	76127	0.95%	0.375%
307	19.978	19.918	19.988	VV	1062	42137	0.53%	0.208%
308	20.014	19.988	20.028	VV	1087	25022	0.31%	0.123%
309	20.031	20.028	20.038	VV	1113	6313	0.08%	0.031%
310	20.046	20.038	20.051	VV	1058	7791	0.10%	0.038%
311	20.112	20.051	20.121	VV	1242	49273	0.62%	0.243%
312	20.240	20.121	20.278	VV	1964	134943	1.69%	0.665%
313	20.414	20.278	20.450	VV	2185	189699	2.37%	0.935%
314	20.464	20.450	20.488	VV	2096	45685	0.57%	0.225%
315	20.518	20.488	20.528	VV	2157	50295	0.63%	0.248%
316	20.591	20.528	20.638	VV	2925	154253	1.93%	0.760%
317	20.669	20.638	20.674	VV	2075	43751	0.55%	0.216%
318	20.691	20.674	20.711	VV	2107	46164	0.58%	0.228%
319	20.724	20.711	20.734	VV	2056	27265	0.34%	0.134%
320	20.758	20.734	20.774	VV	2024	46546	0.58%	0.229%
321	20.832	20.774	20.898	VV	1927	138021	1.72%	0.680%
322	20.913	20.898	20.923	VV	1784	27199	0.34%	0.134%
323	20.933	20.923	20.960	VV	1821	37145	0.46%	0.183%
324	20.983	20.960	21.011	VV	1887	52840	0.66%	0.260%
325	21.047	21.011	21.061	VV	1616	47510	0.59%	0.234%
326	21.075	21.061	21.088	VV	1484	23878	0.30%	0.118%
327	21.190	21.088	21.229	VV	1576	126298	1.58%	0.622%
328	21.258	21.229	21.285	VV	1414	45763	0.57%	0.226%
329	21.303	21.285	21.324	VV	1335	30211	0.38%	0.149%
330	21.341	21.324	21.384	VV	1307	43208	0.54%	0.213%
331	21.432	21.384	21.489	VV	1529	79494	0.99%	0.392%
332	21.497	21.489	21.531	VV	1078	26105	0.33%	0.129%
333	21.541	21.531	21.568	VV	1002	20720	0.26%	0.102%
334	21.628	21.568	21.658	VV	920	47849	0.60%	0.236%
335	21.673	21.658	21.694	VV	847	16701	0.21%	0.082%
336	21.708	21.694	21.767	VV	781	29293	0.37%	0.144%
337	21.777	21.767	21.797	VV	673	9984	0.12%	0.049%
338	21.812	21.797	21.849	VV	544	15287	0.19%	0.075%
339	21.889	21.849	21.921	VV	482	18321	0.23%	0.090%
340	21.927	21.921	21.968	VV	513	11593	0.14%	0.057%
341	21.977	21.968	22.014	VV	384	9014	0.11%	0.044%
342	22.027	22.014	22.084	VV	373	9763	0.12%	0.048%
343	22.114	22.084	22.134	VV	155	3734	0.05%	0.018%
344	22.146	22.134	22.169	VV	114	1473	0.02%	0.007%

Sum of corrected areas: 20291710

Aliphatic EPH 032625.M Wed Apr 02 03:36:46 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-007-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-20		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015607.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		22.6		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16		33.1		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21		189		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36		95.0		23.8	80.0	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		40.7		40 - 140	81%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.6		40 - 140	83%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-20	Acq On:	01 Apr 2025 21:53
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP\AJ
Data file:	FG015607.D	Misc:	
Instrument:	FID_G	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1515594	11.311	200	ug/ml
Aromatic C12-C16	6.330	9.035	2273159	16.574	300	ug/ml
Aromatic C16-C21	9.036	13.365	13205755	94.726	500	ug/ml
Aromatic C21-C36	13.366	18.829	6182390	47.486	800	ug/ml
Aromatic EPH	4.450	18.829	23176898	170.097		ug/ml
ortho-Terphenyl (SURR)	11.911	11.911	6060947	41.56		ug/ml
2-Bromonaphthalene (SURR)	7.960	7.960	4968217	40.67		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	2734929	33.09		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015607.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:53
Operator : YP\AJ
Sample : Q1664-20
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
Quant Time: Apr 02 01:19:08 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...	7.960	4968217	40.671 ug/ml
Spiked Amount 50.000		Recovery =	81.34%
6) S 2-Flurobiphenyl (SURR)	8.838	2734929	33.088 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	66.18%
11) S ortho-Terphenyl (SURR)	11.911	6060947	41.562 ug/ml
Spiked Amount 50.000		Recovery =	83.12%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

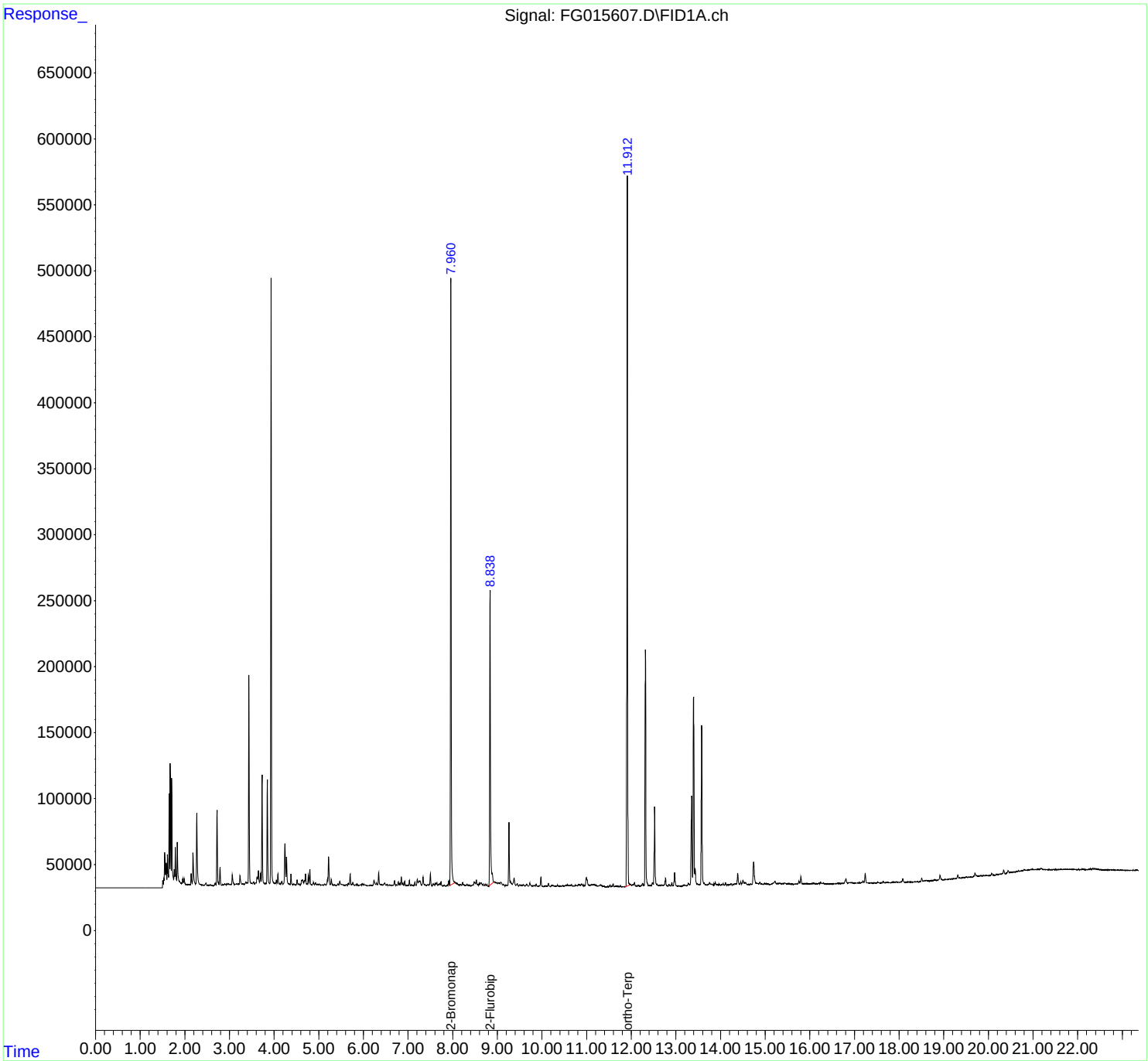
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015607.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:53
Operator : YP\AJ
Sample : Q1664-20
Misc :
ALS Vial : 35 Sample Multiplier: 1

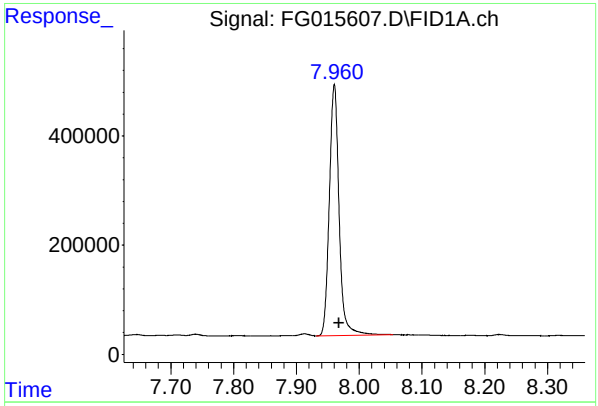
Integration File: autoint1.e
Quant Time: Apr 02 01:19:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
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Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
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ClientSampleId :
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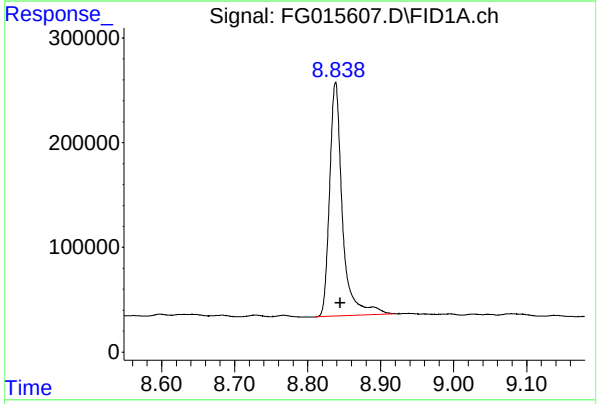
#4 2-Bromonaphthalene (SURR)

R.T.: 7.960 min
Delta R.T.: -0.008 min
Response: 4968217
Conc: 40.67 ug/ml

Instrument :
FID_G
ClientSampleId :
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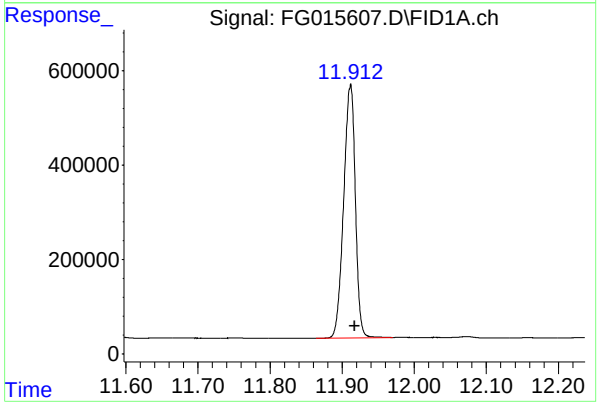
Manual Integrations
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 2734929
Conc: 33.09 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.911 min
Delta R.T.: -0.006 min
Response: 6060947
Conc: 41.56 ug/ml

Instrument :
FID_G
ClientSampleId :
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rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04012
Data File : FG015607.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 21:53
Sample : Q1664-20
Misc :
ALS Vial : 35 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	4.378	4.357	4.413	PV	7952	79623	1.30%	0.256%
2	4.426	4.413	4.433	VV	266	2764	0.05%	0.009%
3	4.449	4.433	4.490	VV	476	8084	0.13%	0.026%
4	4.516	4.490	4.538	PV	3924	41410	0.68%	0.133%
5	4.555	4.538	4.575	VV	754	9091	0.15%	0.029%
6	4.631	4.575	4.658	VV	4117	106552	1.74%	0.342%
7	4.673	4.658	4.679	VV	3154	32596	0.53%	0.105%
8	4.704	4.679	4.730	VV	8681	124603	2.04%	0.400%
9	4.740	4.730	4.747	VV	796	7005	0.11%	0.022%
10	4.767	4.747	4.784	VV	7584	83140	1.36%	0.267%
11	4.801	4.784	4.846	VV	12065	132645	2.17%	0.426%
12	4.882	4.846	4.902	VV	2192	32349	0.53%	0.104%
13	4.929	4.902	4.963	VV	1867	33851	0.55%	0.109%
14	4.979	4.963	4.996	VV	715	9818	0.16%	0.032%
15	5.011	4.996	5.047	VV	1009	14686	0.24%	0.047%
16	5.067	5.047	5.085	VV	156	1935	0.03%	0.006%
17	5.102	5.085	5.112	VV	206	2293	0.04%	0.007%
18	5.132	5.112	5.165	VV	1113	18045	0.30%	0.058%
19	5.196	5.165	5.204	VV	4866	51128	0.84%	0.164%
20	5.221	5.204	5.258	VV	21771	277384	4.54%	0.891%
21	5.282	5.258	5.307	VV	4677	56571	0.93%	0.182%
22	5.310	5.307	5.332	VV	619	4882	0.08%	0.016%
23	5.359	5.332	5.389	VV	443	7554	0.12%	0.024%
24	5.430	5.389	5.450	PV	1225	17099	0.28%	0.055%
25	5.471	5.450	5.525	VV	3170	58979	0.97%	0.189%
26	5.528	5.525	5.584	VV	674	12376	0.20%	0.040%
27	5.596	5.584	5.601	VV	211	1551	0.03%	0.005%
28	5.621	5.601	5.638	VV	837	9439	0.15%	0.030%
29	5.661	5.638	5.679	VV	1774	23003	0.38%	0.074%
30	5.704	5.679	5.727	VV	8698	99851	1.63%	0.321%
31	5.740	5.727	5.750	VV	867	10980	0.18%	0.035%
32	5.764	5.750	5.802	VV	2373	30753	0.50%	0.099%
33	5.813	5.802	5.816	VV	364	2686	0.04%	0.009%
34	5.835	5.816	5.842	VV	822	9611	0.16%	0.031%
35	5.854	5.842	5.903	VV	1035	14846	0.24%	0.048%
36	5.926	5.903	5.930	VV	559	5070	0.08%	0.016%

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					rteres			
37	5.939	5.930	5.957	VV	678	8955	0.15%	0.029%
38	5.973	5.957	5.988	VV	1398	16839		
39	6.008	5.988	6.025	VV	1134	15526		
40	6.032	6.025	6.112	VV	497	9255		
41	6.157	6.112	6.175	PV	395	7472		
42	6.182	6.175	6.208	VV	321	4640		
43	6.239	6.208	6.277	VV	4207	78190	1.28%	0.251%
44	6.296	6.277	6.319	VV	1971	30935	0.51%	0.099%
45	6.343	6.319	6.374	VV	10003	124416	2.04%	0.399%
46	6.379	6.374	6.394	VV	960	10150	0.17%	0.033%
47	6.408	6.394	6.443	VV	932	20421	0.33%	0.066%
48	6.479	6.443	6.507	VV	2094	44623	0.73%	0.143%
49	6.528	6.507	6.568	VV	1324	23604	0.39%	0.076%
50	6.581	6.568	6.642	VV	629	15729	0.26%	0.050%
51	6.659	6.642	6.674	VV	506	7202	0.12%	0.023%
52	6.698	6.674	6.726	VV	3807	52309	0.86%	0.168%
53	6.740	6.726	6.750	VV	660	7840	0.13%	0.025%
54	6.782	6.750	6.803	VV	3003	41949	0.69%	0.135%
55	6.819	6.803	6.833	VV	2189	24168	0.40%	0.078%
56	6.851	6.833	6.873	VV	6900	82482	1.35%	0.265%
57	6.886	6.873	6.905	VV	2231	24892	0.41%	0.080%
58	6.926	6.905	6.949	VV	3591	40374	0.66%	0.130%
59	6.955	6.949	6.974	VV	430	4472	0.07%	0.014%
60	6.982	6.974	6.994	VV	378	3557	0.06%	0.011%
61	7.002	6.994	7.006	VV	279	1843	0.03%	0.006%
62	7.031	7.006	7.060	VV	4364	49358	0.81%	0.158%
63	7.077	7.060	7.093	VV	679	9998	0.16%	0.032%
64	7.101	7.093	7.129	VV	498	6635	0.11%	0.021%
65	7.152	7.129	7.184	VV	2811	35464	0.58%	0.114%
66	7.208	7.184	7.224	VV	5040	69136	1.13%	0.222%
67	7.255	7.224	7.266	VV	4083	80500	1.32%	0.258%
68	7.272	7.266	7.304	VV	3601	45276	0.74%	0.145%
69	7.338	7.304	7.370	VV	6736	101291	1.66%	0.325%
70	7.382	7.370	7.409	VV	1166	18292	0.30%	0.059%
71	7.444	7.409	7.460	VV	1059	22267	0.36%	0.071%
72	7.502	7.460	7.535	VV	9419	128717	2.11%	0.413%
73	7.539	7.535	7.545	VV	499	2833	0.05%	0.009%
74	7.564	7.545	7.577	VV	1711	21813	0.36%	0.070%
75	7.580	7.577	7.595	VV	1243	9899	0.16%	0.032%
76	7.612	7.595	7.627	VV	2412	28752	0.47%	0.092%
77	7.645	7.627	7.666	VV	2778	38549	0.63%	0.124%
78	7.683	7.666	7.694	VV	1405	16903	0.28%	0.054%
79	7.711	7.694	7.725	VV	1918	27171	0.44%	0.087%
80	7.739	7.725	7.777	VV	3358	39576	0.65%	0.127%
81	7.806	7.777	7.838	VV	651	12790	0.21%	0.041%
82	7.860	7.838	7.870	VV	432	5300	0.09%	0.017%
83	7.883	7.870	7.892	VV	738	7447	0.12%	0.024%
84	7.913	7.892	7.932	VV	4148	47464	0.78%	0.152%
85	7.960	7.932	8.073	VV	461185	5105809	83.55%	16.393%
86	8.079	8.073	8.103	VV	2323	36514	0.60%	0.117%
87	8.107	8.103	8.160	VV	1877	40653	0.67%	0.131%
88	8.178	8.160	8.204	VV	1385	25958	0.42%	0.083%
89	8.223	8.204	8.274	VV	2909	55009	0.90%	0.177%

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rteres

90	8.281	8.274	8.297	VV	747	8178	0.13%	0.026%
91	8.317	8.297	8.343	VV	1305	23916		
92	8.350	8.343	8.410	VV	804	23565		
93	8.434	8.410	8.447	VV	775	12787		
94	8.485	8.447	8.513	VV	3286	77118		
95	8.532	8.513	8.554	VV	4722	68757		
96	8.562	8.554	8.577	VV	1453	16188	0.26%	0.052%
97	8.598	8.577	8.613	VV	2694	39872	0.65%	0.128%
98	8.628	8.613	8.637	VV	2566	32113	0.53%	0.103%
99	8.642	8.637	8.665	VV	2595	33460	0.55%	0.107%
100	8.683	8.665	8.706	VV	1789	27264	0.45%	0.088%
101	8.729	8.706	8.749	VV	1833	25900	0.42%	0.083%
102	8.767	8.749	8.799	VV	1742	21678	0.35%	0.070%
103	8.838	8.799	8.882	VV	224825	2700276	44.19%	8.670%
104	8.889	8.882	8.926	VV	9778	158918	2.60%	0.510%
105	8.938	8.926	8.954	VV	3556	55483	0.91%	0.178%
106	8.959	8.954	8.976	VV	3005	36798	0.60%	0.118%
107	8.995	8.976	9.014	VV	3008	58144	0.95%	0.187%
108	9.027	9.014	9.040	VV	2882	39424	0.65%	0.127%
109	9.047	9.040	9.062	VV	2640	31729	0.52%	0.102%
110	9.079	9.062	9.121	VV	3273	82307	1.35%	0.264%
111	9.139	9.121	9.174	VV	1721	32101	0.53%	0.103%
112	9.190	9.174	9.217	VV	1379	23946	0.39%	0.077%
113	9.263	9.217	9.287	VV	48410	545823	8.93%	1.752%
114	9.297	9.287	9.312	VV	3959	47800	0.78%	0.153%
115	9.318	9.312	9.333	VV	2547	26541	0.43%	0.085%
116	9.377	9.333	9.412	VV	6200	142793	2.34%	0.458%
117	9.423	9.412	9.429	VV	1139	10696	0.18%	0.034%
118	9.448	9.429	9.478	VV	2010	35339	0.58%	0.113%
119	9.501	9.478	9.512	VV	1293	17386	0.28%	0.056%
120	9.522	9.512	9.540	VV	1192	17706	0.29%	0.057%
121	9.549	9.540	9.567	VV	1036	14291	0.23%	0.046%
122	9.585	9.567	9.623	VV	1378	27662	0.45%	0.089%
123	9.649	9.623	9.657	VV	1393	17404	0.28%	0.056%
124	9.667	9.657	9.700	VV	1342	19734	0.32%	0.063%
125	9.728	9.700	9.779	VV	2724	53312	0.87%	0.171%
126	9.806	9.779	9.820	VV	689	12974	0.21%	0.042%
127	9.832	9.820	9.851	VV	771	11447	0.19%	0.037%
128	9.871	9.851	9.915	VV	1818	27173	0.44%	0.087%
129	9.938	9.915	9.951	VV	668	10024	0.16%	0.032%
130	9.978	9.951	10.016	VV	7384	91972	1.51%	0.295%
131	10.020	10.016	10.045	VV	190	1573	0.03%	0.005%
132	10.066	10.045	10.081	PV	621	7976	0.13%	0.026%
133	10.094	10.081	10.125	VV	586	11909	0.19%	0.038%
134	10.146	10.125	10.190	VV	2438	34989	0.57%	0.112%
135	10.222	10.190	10.285	VV	1098	35819	0.59%	0.115%
136	10.294	10.285	10.305	VV	426	4367	0.07%	0.014%
137	10.317	10.305	10.333	VV	619	6912	0.11%	0.022%
138	10.351	10.333	10.378	VV	1366	18957	0.31%	0.061%
139	10.391	10.378	10.408	VV	601	8084	0.13%	0.026%
140	10.426	10.408	10.440	VV	546	7557	0.12%	0.024%
141	10.468	10.440	10.483	VV	930	16281	0.27%	0.052%

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rteres

142	10.517	10.483	10.525	VV	767	15950	0.26%	0.051%
143	10.542	10.525	10.557	VV	1325	18855		
144	10.577	10.557	10.597	VV	1505	27404		
145	10.630	10.597	10.643	VV	1191	25602		
146	10.665	10.643	10.687	VV	1869	28220		
147	10.698	10.687	10.706	VV	568	5419		
148	10.708	10.706	10.717	VV	533	3014	0.05%	0.010%
149	10.749	10.717	10.760	VV	1261	22408	0.37%	0.072%
150	10.775	10.760	10.800	VV	1106	22159	0.36%	0.071%
151	10.817	10.800	10.853	VV	1859	44291	0.72%	0.142%
152	10.885	10.853	10.925	VV	2203	59478	0.97%	0.191%
153	10.943	10.925	10.958	VV	1397	18625	0.30%	0.060%
154	10.994	10.958	11.071	VV	6945	199053	3.26%	0.639%
155	11.074	11.071	11.087	VV	1032	9418	0.15%	0.030%
156	11.104	11.087	11.122	VV	1778	29799	0.49%	0.096%
157	11.127	11.122	11.136	VV	1491	12108	0.20%	0.039%
158	11.152	11.136	11.164	VV	1798	26344	0.43%	0.085%
159	11.177	11.164	11.193	VV	1764	26014	0.43%	0.084%
160	11.205	11.193	11.244	VV	1366	31344	0.51%	0.101%
161	11.256	11.244	11.268	VV	828	10581	0.17%	0.034%
162	11.288	11.268	11.295	VV	1109	14599	0.24%	0.047%
163	11.312	11.295	11.331	VV	1763	27577	0.45%	0.089%
164	11.344	11.331	11.364	VV	1085	13508	0.22%	0.043%
165	11.387	11.364	11.416	VV	464	9536	0.16%	0.031%
166	11.423	11.416	11.430	VV	204	1091	0.02%	0.004%
167	11.445	11.430	11.448	VV	141	1053	0.02%	0.003%
168	11.471	11.448	11.482	VV	225	3079	0.05%	0.010%
169	11.524	11.491	11.551	VV	1284	19600	0.32%	0.063%
170	11.594	11.551	11.621	VV	2299	35633	0.58%	0.114%
171	11.643	11.621	11.650	VV	646	7626	0.12%	0.024%
172	11.666	11.650	11.672	VV	704	8234	0.13%	0.026%
173	11.675	11.672	11.730	VV	700	12450	0.20%	0.040%
174	11.751	11.730	11.773	PV	897	10667	0.17%	0.034%
175	11.789	11.773	11.797	VV	259	2413	0.04%	0.008%
176	11.818	11.797	11.822	VV	288	3168	0.05%	0.010%
177	11.829	11.822	11.855	VV	287	2225	0.04%	0.007%
178	11.912	11.864	11.971	VV	538324	6110760	100.00%	19.620%
179	11.984	11.971	12.015	VV	1950	40727	0.67%	0.131%
180	12.029	12.015	12.047	VV	1712	28843	0.47%	0.093%
181	12.073	12.047	12.105	VV	3414	64760	1.06%	0.208%
182	12.111	12.105	12.124	VV	804	7637	0.12%	0.025%
183	12.156	12.124	12.174	VV	1131	22824	0.37%	0.073%
184	12.192	12.174	12.208	VV	745	12653	0.21%	0.041%
185	12.257	12.208	12.285	VV	2578	63597	1.04%	0.204%
186	12.318	12.285	12.384	VV	179262	2167430	35.47%	6.959%
187	12.397	12.384	12.412	VV	1175	17280	0.28%	0.055%
188	12.425	12.412	12.443	VV	990	15002	0.25%	0.048%
189	12.479	12.443	12.496	VV	2637	58403	0.96%	0.188%
190	12.526	12.496	12.623	VV	60415	838371	13.72%	2.692%
191	12.641	12.623	12.660	VV	980	20248	0.33%	0.065%
192	12.683	12.660	12.707	VV	1221	28476	0.47%	0.091%
193	12.712	12.707	12.722	VV	911	7628	0.12%	0.024%
194	12.767	12.722	12.818	VV	6220	114078	1.87%	0.366%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-007-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

rteres

195	12.847	12.818	12.881	VV	1529	30006	0.49%	0.096%
196	12.907	12.881	12.929	VV	2843	40017		
197	12.971	12.929	13.029	VV	10424	167554		
198	13.033	13.029	13.038	VV	344	1763		
199	13.050	13.038	13.065	VV	417	4865		
200	13.079	13.074	13.108	VV	174	2234		
201	13.190	13.119	13.225	PV	1055	33851	0.55%	0.109%
202	13.228	13.225	13.250	VV	589	6816	0.11%	0.022%
203	13.278	13.250	13.311	VV	2200	49168	0.80%	0.158%
204	13.353	13.311	13.374	VV	68684	987635	16.16%	3.171%
205	13.396	13.374	13.420	VV	142893	1743159	28.53%	5.597%
206	13.431	13.420	13.504	VV	13117	224622	3.68%	0.721%
207	13.520	13.504	13.544	VV	1439	28454	0.47%	0.091%
208	13.577	13.544	13.692	VV	121503	1590088	26.02%	5.105%
209	13.754	13.692	13.801	VV	2922	89607	1.47%	0.288%
210	13.812	13.801	13.842	VV	1342	21151	0.35%	0.068%
211	13.880	13.842	13.919	VV	2675	59499	0.97%	0.191%
212	13.926	13.919	13.949	VV	819	12152	0.20%	0.039%
213	13.962	13.949	13.968	VV	898	7726	0.13%	0.025%
214	13.978	13.968	14.005	VV	919	14440	0.24%	0.046%
215	14.017	14.005	14.028	VV	732	8843	0.14%	0.028%
216	14.057	14.028	14.085	VV	1667	32634	0.53%	0.105%
217	14.110	14.085	14.134	VV	2314	32896	0.54%	0.106%
218	14.168	14.134	14.189	VV	672	16745	0.27%	0.054%
219	14.208	14.189	14.219	VV	800	11312	0.19%	0.036%
220	14.237	14.219	14.263	VV	1480	22167	0.36%	0.071%
221	14.284	14.263	14.298	VV	1311	16115	0.26%	0.052%
222	14.322	14.298	14.334	VV	1391	22882	0.37%	0.073%
223	14.347	14.334	14.352	VV	1209	12587	0.21%	0.040%
224	14.383	14.352	14.424	VV	9117	154035	2.52%	0.495%
225	14.450	14.424	14.471	VV	2575	46283	0.76%	0.149%
226	14.499	14.471	14.530	VV	3971	85853	1.40%	0.276%
227	14.551	14.530	14.556	VV	2020	28008	0.46%	0.090%
228	14.562	14.556	14.597	VV	1978	33135	0.54%	0.106%
229	14.601	14.597	14.633	VV	847	13273	0.22%	0.043%
230	14.674	14.633	14.700	VV	1005	28446	0.47%	0.091%
231	14.740	14.700	14.855	VV	17663	422673	6.92%	1.357%
232	14.882	14.855	14.905	VV	2252	41297	0.68%	0.133%
233	14.920	14.905	14.960	VV	957	24457	0.40%	0.079%
234	14.991	14.960	15.010	VV	1359	27859	0.46%	0.089%
235	15.024	15.010	15.040	VV	1019	15136	0.25%	0.049%
236	15.059	15.040	15.105	VV	975	23721	0.39%	0.076%
237	15.172	15.105	15.183	VV	1490	36562	0.60%	0.117%
238	15.216	15.183	15.259	VV	2984	79014	1.29%	0.254%
239	15.275	15.259	15.291	VV	1215	19177	0.31%	0.062%
240	15.296	15.291	15.300	VV	875	4484	0.07%	0.014%
241	15.307	15.300	15.315	VV	985	8599	0.14%	0.028%
242	15.331	15.315	15.364	VV	1229	27590	0.45%	0.089%
243	15.387	15.364	15.399	VV	899	16055	0.26%	0.052%
244	15.412	15.399	15.419	VV	954	10693	0.17%	0.034%
245	15.441	15.419	15.477	VV	1408	34000	0.56%	0.109%
246	15.494	15.477	15.499	VV	771	8526	0.14%	0.027%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-007-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

rteres

247	15.520	15.499	15.573	VV	1039	32490	0.53%	0.104%
248	15.578	15.573	15.591	VV	565	5409		
249	15.600	15.591	15.622	VV	555	7460		
250	15.653	15.622	15.672	VV	421	10501		
251	15.694	15.672	15.711	VV	585	10999		
252	15.714	15.711	15.724	VV	536	3307		
253	15.756	15.724	15.776	VV	2683	43673	0.71%	0.140%
254	15.798	15.776	15.836	VV	5893	91134	1.49%	0.293%
255	15.844	15.836	15.851	VV	649	5293	0.09%	0.017%
256	15.862	15.851	15.873	VV	590	7530	0.12%	0.024%
257	15.883	15.873	15.894	VV	631	7451	0.12%	0.024%
258	15.904	15.894	15.932	VV	636	12688	0.21%	0.041%
259	15.937	15.932	15.942	VV	504	3298	0.05%	0.011%
260	15.955	15.942	15.960	VV	546	5210	0.09%	0.017%
261	15.962	15.960	15.982	VV	454	5431	0.09%	0.017%
262	15.983	15.982	15.988	VV	414	1154	0.02%	0.004%
263	15.994	15.988	15.997	VV	288	1419	0.02%	0.005%
264	16.065	15.997	16.080	VV	693	24207	0.40%	0.078%
265	16.091	16.080	16.116	VV	786	13586	0.22%	0.044%
266	16.122	16.116	16.128	VV	502	3276	0.05%	0.011%
267	16.135	16.128	16.157	VV	532	6618	0.11%	0.021%
268	16.163	16.157	16.169	VV	295	1894	0.03%	0.006%
269	16.201	16.169	16.219	VV	967	15554	0.25%	0.050%
270	16.243	16.219	16.269	VV	1680	28263	0.46%	0.091%
271	16.302	16.269	16.355	VV	978	24706	0.40%	0.079%
272	16.361	16.355	16.418	VV	184	3044	0.05%	0.010%
273	16.431	16.418	16.440	VV	115	1011	0.02%	0.003%
274	16.448	16.440	16.465	VV	178	1230	0.02%	0.004%
275	16.526	16.512	16.549	VV	142	1924	0.03%	0.006%
276	16.603	16.565	16.610	VV	255	3970	0.06%	0.013%
277	16.622	16.610	16.635	VV	291	3763	0.06%	0.012%
278	16.656	16.635	16.685	VV	354	7487	0.12%	0.024%
279	16.696	16.693	16.700	VV	244	1053	0.02%	0.003%
280	16.726	16.700	16.754	VV	600	11470	0.19%	0.037%
281	16.808	16.754	16.854	VV	3909	87530	1.43%	0.281%
282	16.876	16.854	16.907	VV	858	21118	0.35%	0.068%
283	16.922	16.907	16.936	VV	701	11039	0.18%	0.035%
284	16.943	16.936	16.979	VV	637	13044	0.21%	0.042%
285	16.984	16.979	16.997	VV	452	3985	0.07%	0.013%
286	17.015	16.997	17.039	VV	438	9143	0.15%	0.029%
287	17.044	17.039	17.058	VV	324	3389	0.06%	0.011%
288	17.085	17.058	17.095	VV	552	9538	0.16%	0.031%
289	17.108	17.095	17.138	VV	588	12092	0.20%	0.039%
290	17.157	17.138	17.174	VV	835	13060	0.21%	0.042%
291	17.192	17.174	17.211	VV	1861	27726	0.45%	0.089%
292	17.240	17.211	17.282	VV	7773	116816	1.91%	0.375%
293	17.299	17.282	17.317	VV	413	6504	0.11%	0.021%
294	17.321	17.317	17.335	VV	253	2178	0.04%	0.007%
295	17.340	17.335	17.363	VV	226	1954	0.03%	0.006%
296	17.379	17.374	17.406	VV	150	1439	0.02%	0.005%
297	17.424	17.406	17.465	VV	215	4063	0.07%	0.013%
298	17.525	17.465	17.559	PV	741	13060	0.21%	0.042%
299	17.606	17.559	17.611	VV	187	2308	0.04%	0.007%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-007-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

rteres

300	17.645	17.611	17.672	VV	1344	20834	0.34%	0.067%
301	17.674	17.672	17.684	VV	258	1167		
302	17.728	17.684	17.731	VV	282	5553		
303	17.745	17.731	17.764	VV	367	4789		
304	17.771	17.764	17.779	VV	217	1552		
305	17.782	17.779	17.794	VV	192	1191		
306	17.870	17.823	17.910	VV	689	20057	0.33%	0.064%
307	17.936	17.910	17.975	VV	645	14722	0.24%	0.047%
308	17.983	17.975	18.004	VV	280	3350	0.05%	0.011%
309	18.081	18.004	18.144	VV	2941	63387	1.04%	0.204%
310	18.172	18.144	18.177	VV	286	3880	0.06%	0.012%
311	18.181	18.177	18.190	VV	274	1850	0.03%	0.006%
312	18.196	18.190	18.208	VV	308	2822	0.05%	0.009%
313	18.212	18.208	18.217	VV	288	1265	0.02%	0.004%
314	18.226	18.217	18.230	VV	311	2016	0.03%	0.006%
315	18.244	18.230	18.253	VV	329	3423	0.06%	0.011%
316	18.262	18.253	18.281	VV	258	2919	0.05%	0.009%
317	18.297	18.281	18.307	VV	152	1669	0.03%	0.005%
318	18.366	18.337	18.385	VV	242	4236	0.07%	0.014%
319	18.406	18.385	18.425	VV	207	3025	0.05%	0.010%
320	18.505	18.425	18.532	PV	2589	41025	0.67%	0.132%
321	18.552	18.532	18.556	VV	444	5027	0.08%	0.016%
322	18.581	18.556	18.587	VV	554	8635	0.14%	0.028%
323	18.604	18.587	18.675	VV	621	18858	0.31%	0.061%
324	18.720	18.675	18.744	VV	253	4854	0.08%	0.016%
325	18.810	18.744	18.845	VV	466	16840	0.28%	0.054%
326	18.916	18.845	18.989	VV	3645	72819	1.19%	0.234%

Sum of corrected areas: 31146276

Aromatic EPH 031725.M Wed Apr 02 02:33:40 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 20:30	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.53	J	1	0.15	1.06	mg/kg	FC068439.D
Aliphatic C12-C16	Aliphatic C12-C16	2.19		1	0.12	0.71	mg/kg	FC068439.D
Aliphatic C16-C21	Aliphatic C16-C21	0.73	J	1	0.14	1.06	mg/kg	FC068439.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.42	mg/kg	FC068439.D
Aliphatic C28-C40	Aliphatic C28-C40	1.25	U	1	1.25	2.12	mg/kg	FC068439.D
Aromatic C10-C12	Aromatic C10-C12	0.38	J	1	0.13	0.71	mg/kg	FG015589.D
Aromatic C12-C16	Aromatic C12-C16	0.55	J	1	0.24	1.06	mg/kg	FG015589.D
Aromatic C16-C21	Aromatic C16-C21	3.04		1	0.43	1.77	mg/kg	FG015589.D
Aromatic C21-C36	Aromatic C21-C36	1.26	U	1	1.26	2.83	mg/kg	FG015589.D
Total AliphaticEPH	Total AliphaticEPH	3.45	J		2.22	6.37	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.96	J		2.06	6.37	mg/kg	
Total EPH	Total EPH	7.41	J		4.27	12.7	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068439.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.53	J	0.15	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		2.19		0.12	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.73	J	0.14	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.56	U	0.56	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.25	U	1.25	2.12	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-21	Acq On:	28 Mar 2025 20:30
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP/AJ
Data file:	FC068439.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	1208051	7.442	300	ug/ml
Aliphatic C12-C16	6.361	9.742	5195070	30.887	200	ug/ml
Aliphatic C16-C21	9.743	13.094	1775606	10.353	300	ug/ml
Aliphatic C21-C28	13.095	16.746	646750	3.83	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2158642	15.852	600	ug/ml
Aliphatic EPH	3.100	21.538	10984119	68.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	4944409	33.17		ug/ml
Aliphatic C9-C28	3.100	16.746	8825477	52.512	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068439.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:30
Operator : YP/AJ
Sample : Q1664-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-008-01

Integration File: autoint1.e
Quant Time: Mar 29 02:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.827	4944409	33.167 ug/ml
Spiked Amount 50.000		Recovery = 66.33%	
Target Compounds			

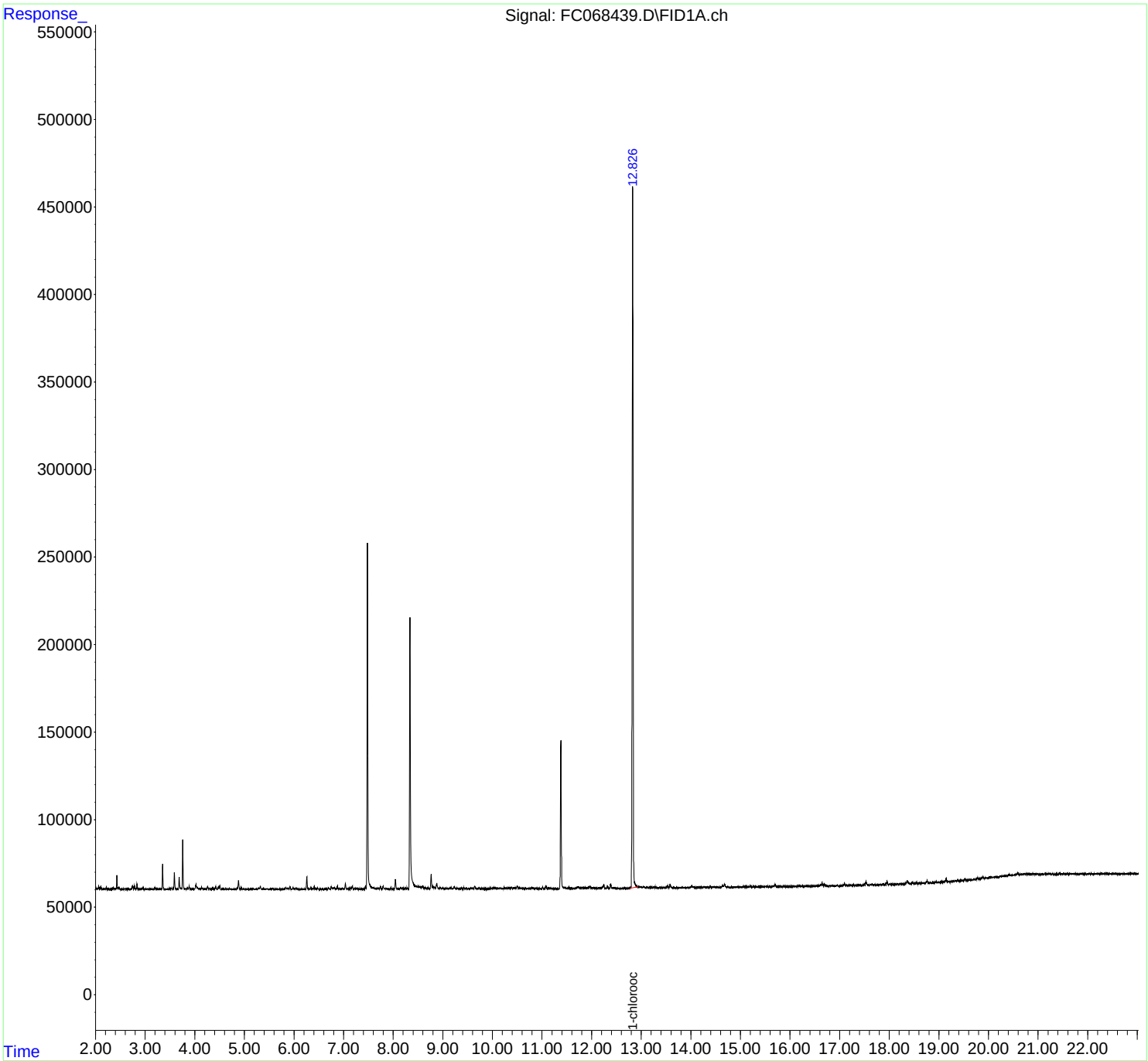
(f)=RT Delta > 1/2 Window (m)=manual int.

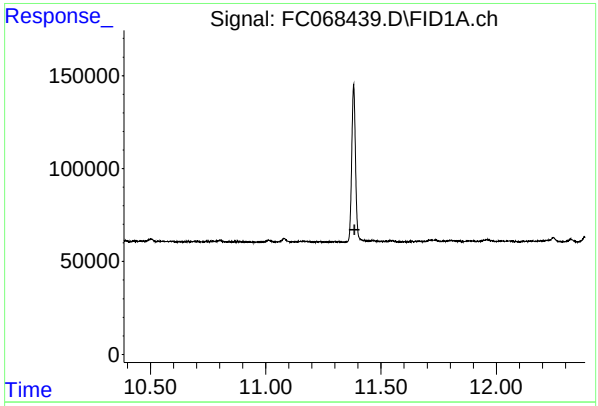
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068439.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:30
Operator : YP/AJ
Sample : Q1664-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-008-01

Integration File: autoint1.e
Quant Time: Mar 29 02:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

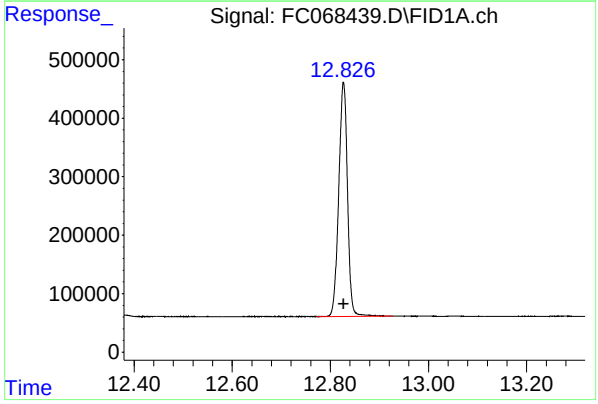




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-008-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 4944409
Conc: 33.17 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068439.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 20:30
Sample : Q1664-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.317	2.304	2.327	BV	99	424	0.01%	0.003%
2	2.357	2.327	2.374	PV	686	8614	0.17%	0.052%
3	2.386	2.374	2.409	PV	573	5927	0.12%	0.036%
4	2.430	2.409	2.457	VV	7894	67489	1.34%	0.411%
5	2.470	2.457	2.509	VV	1273	14662	0.29%	0.089%
6	2.526	2.509	2.538	VV	162	2073	0.04%	0.013%
7	2.554	2.538	2.571	VV	231	2724	0.05%	0.017%
8	2.589	2.571	2.636	VV	327	5167	0.10%	0.031%
9	2.653	2.636	2.701	VV	426	6234	0.12%	0.038%
10	2.712	2.701	2.719	VV	112	823	0.02%	0.005%
11	2.741	2.719	2.769	VV	1569	23985	0.48%	0.146%
12	2.786	2.769	2.813	VV	2009	21102	0.42%	0.129%
13	2.835	2.813	2.868	VV	3150	31350	0.62%	0.191%
14	2.877	2.868	2.885	VV	159	1314	0.03%	0.008%
15	2.911	2.885	2.940	VV	198	4972	0.10%	0.030%
16	2.958	2.940	2.992	VV	1301	15361	0.31%	0.094%
17	2.996	2.992	3.092	VV	214	6326	0.13%	0.039%
18	3.109	3.092	3.124	VV	135	2044	0.04%	0.012%
19	3.138	3.124	3.154	VV	163	2402	0.05%	0.015%
20	3.163	3.154	3.174	VV	161	1529	0.03%	0.009%
21	3.199	3.174	3.240	VV	713	11434	0.23%	0.070%
22	3.252	3.240	3.269	VV	154	1525	0.03%	0.009%
23	3.304	3.269	3.322	VV	165	3237	0.06%	0.020%
24	3.351	3.322	3.415	VV	14490	123083	2.45%	0.750%
25	3.423	3.415	3.441	VV	109	1212	0.02%	0.007%
26	3.493	3.441	3.508	VV	636	10134	0.20%	0.062%
27	3.524	3.508	3.545	VV	872	8840	0.18%	0.054%
28	3.589	3.545	3.643	VV	9481	98704	1.97%	0.601%
29	3.653	3.643	3.666	VV	273	2814	0.06%	0.017%
30	3.686	3.666	3.741	VV	6869	73193	1.46%	0.446%
31	3.757	3.741	3.828	VV	27801	251106	5.00%	1.530%
32	3.858	3.828	3.871	VV	744	10621	0.21%	0.065%
33	3.887	3.871	3.937	VV	1616	21488	0.43%	0.131%
34	3.953	3.937	3.980	VV	344	4690	0.09%	0.029%
35	4.024	3.980	4.044	VV	2567	40073	0.80%	0.244%
36	4.054	4.044	4.118	VV	1274	20136	0.40%	0.123%

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37	4.137	4.118	4.201	VV	1036	17353	0.35%	0.106%
38	4.208	4.201	4.228	VV	242	3115	0.06%	0.019%
39	4.256	4.228	4.314	VV	1408	25543	0.51%	0.156%
40	4.321	4.314	4.341	VV	219	2643	0.05%	0.016%
41	4.361	4.341	4.386	VV	661	10220	0.20%	0.062%
42	4.421	4.386	4.441	VV	1609	21305	0.42%	0.130%
43	4.476	4.441	4.490	VV	1493	19007	0.38%	0.116%
44	4.505	4.490	4.532	VV	2248	23782	0.47%	0.145%
45	4.540	4.532	4.602	VV	191	5804	0.12%	0.035%
46	4.621	4.602	4.676	VV	360	7936	0.16%	0.048%
47	4.695	4.676	4.760	VV	362	6645	0.13%	0.040%
48	4.802	4.760	4.841	PV	337	7107	0.14%	0.043%
49	4.882	4.841	4.914	VV	4996	67567	1.35%	0.412%
50	4.938	4.914	4.956	VV	1074	12985	0.26%	0.079%
51	4.965	4.956	5.038	VV	237	6107	0.12%	0.037%
52	5.072	5.038	5.086	VV	298	3932	0.08%	0.024%
53	5.124	5.086	5.228	VV	264	12530	0.25%	0.076%
54	5.245	5.228	5.263	VV	196	2533	0.05%	0.015%
55	5.284	5.263	5.303	VV	928	11244	0.22%	0.068%
56	5.323	5.303	5.356	VV	1929	22627	0.45%	0.138%
57	5.378	5.356	5.408	VV	513	6693	0.13%	0.041%
58	5.452	5.408	5.508	VV	373	9289	0.18%	0.057%
59	5.528	5.508	5.545	VV	197	2942	0.06%	0.018%
60	5.572	5.545	5.601	VV	406	6374	0.13%	0.039%
61	5.624	5.601	5.717	VV	260	9029	0.18%	0.055%
62	5.736	5.717	5.760	VV	270	3856	0.08%	0.023%
63	5.779	5.760	5.808	VV	256	5443	0.11%	0.033%
64	5.837	5.808	5.861	VV	838	15964	0.32%	0.097%
65	5.878	5.861	5.904	VV	733	11431	0.23%	0.070%
66	5.921	5.904	5.960	VV	1415	20323	0.40%	0.124%
67	5.982	5.960	6.014	VV	959	14629	0.29%	0.089%
68	6.053	6.014	6.080	VV	523	12170	0.24%	0.074%
69	6.094	6.080	6.160	VV	214	7249	0.14%	0.044%
70	6.187	6.160	6.207	VV	166	3535	0.07%	0.022%
71	6.260	6.207	6.323	VV	7106	88820	1.77%	0.541%
72	6.342	6.323	6.364	VV	940	12054	0.24%	0.073%
73	6.378	6.364	6.390	VV	616	6166	0.12%	0.038%
74	6.407	6.390	6.428	VV	1711	19528	0.39%	0.119%
75	6.440	6.428	6.460	VV	641	7739	0.15%	0.047%
76	6.479	6.460	6.504	VV	912	10479	0.21%	0.064%
77	6.531	6.504	6.550	VV	230	3653	0.07%	0.022%
78	6.578	6.550	6.609	PV	248	5990	0.12%	0.036%
79	6.638	6.609	6.678	VV	246	6969	0.14%	0.042%
80	6.699	6.678	6.730	VV	851	11286	0.22%	0.069%
81	6.752	6.730	6.786	VV	1213	24297	0.48%	0.148%
82	6.813	6.786	6.843	VV	995	21356	0.43%	0.130%
83	6.877	6.843	6.900	VV	1576	26444	0.53%	0.161%
84	6.914	6.900	6.932	VV	388	5054	0.10%	0.031%
85	6.981	6.932	7.004	VV	400	10504	0.21%	0.064%
86	7.037	7.004	7.065	VV	3342	39321	0.78%	0.240%
87	7.098	7.065	7.111	VV	546	8738	0.17%	0.053%
88	7.113	7.111	7.130	VV	459	3536	0.07%	0.022%
89	7.145	7.130	7.158	VV	604	7107	0.14%	0.043%

90	7.179	7.158	7.202	VV	1899	24338	0.48%	0.148%
91	7.212	7.202	7.223	VV	307	3214	0.06%	0.020%
92	7.242	7.223	7.254	VV	543	7214	0.14%	0.044%
93	7.268	7.254	7.314	VV	829	11273	0.22%	0.069%
94	7.344	7.314	7.364	VV	248	4734	0.09%	0.029%
95	7.391	7.364	7.404	VV	201	2916	0.06%	0.018%
96	7.438	7.404	7.454	VV	1489	16631	0.33%	0.101%
97	7.482	7.454	7.622	VV	197523	2137009	42.54%	13.019%
98	7.631	7.622	7.644	VV	704	8073	0.16%	0.049%
99	7.656	7.644	7.678	VV	562	9638	0.19%	0.059%
100	7.698	7.678	7.724	VV	550	11315	0.23%	0.069%
101	7.743	7.724	7.768	VV	1542	20448	0.41%	0.125%
102	7.799	7.768	7.824	VV	1878	24945	0.50%	0.152%
103	7.837	7.824	7.858	VV	456	6005	0.12%	0.037%
104	7.870	7.858	7.881	VV	312	3209	0.06%	0.020%
105	7.905	7.881	7.925	VV	309	5369	0.11%	0.033%
106	7.954	7.925	8.004	VV	865	15698	0.31%	0.096%
107	8.046	8.004	8.116	VV	5677	76988	1.53%	0.469%
108	8.155	8.116	8.181	VV	778	19518	0.39%	0.119%
109	8.194	8.181	8.217	VV	630	8534	0.17%	0.052%
110	8.238	8.217	8.260	VV	540	8011	0.16%	0.049%
111	8.278	8.260	8.304	VV	767	9400	0.19%	0.057%
112	8.339	8.304	8.482	VV	154839	1979185	39.40%	12.057%
113	8.503	8.482	8.521	VV	1482	32034	0.64%	0.195%
114	8.533	8.521	8.565	VV	1363	31132	0.62%	0.190%
115	8.585	8.565	8.625	VV	1597	40939	0.82%	0.249%
116	8.645	8.625	8.672	VV	888	16792	0.33%	0.102%
117	8.697	8.672	8.718	VV	751	13375	0.27%	0.081%
118	8.767	8.718	8.788	VV	8644	104639	2.08%	0.637%
119	8.801	8.788	8.848	VV	1502	37785	0.75%	0.230%
120	8.879	8.848	8.931	VV	3226	64601	1.29%	0.394%
121	8.951	8.931	8.972	VV	1032	15731	0.31%	0.096%
122	9.001	8.972	9.028	VV	720	12911	0.26%	0.079%
123	9.051	9.028	9.061	VV	372	5553	0.11%	0.034%
124	9.079	9.061	9.131	VV	493	15608	0.31%	0.095%
125	9.165	9.131	9.205	VV	763	22149	0.44%	0.135%
126	9.229	9.205	9.267	VV	1554	25715	0.51%	0.157%
127	9.287	9.267	9.344	VV	429	13038	0.26%	0.079%
128	9.371	9.344	9.403	VV	653	12903	0.26%	0.079%
129	9.423	9.403	9.454	VV	981	15528	0.31%	0.095%
130	9.473	9.454	9.498	VV	735	10298	0.21%	0.063%
131	9.536	9.498	9.543	VV	414	6343	0.13%	0.039%
132	9.564	9.543	9.616	VV	625	17085	0.34%	0.104%
133	9.643	9.616	9.692	VV	1692	30289	0.60%	0.185%
134	9.716	9.692	9.729	VV	472	8757	0.17%	0.053%
135	9.736	9.729	9.778	VV	468	10033	0.20%	0.061%
136	9.786	9.778	9.798	VV	345	3062	0.06%	0.019%
137	9.808	9.798	9.870	VV	229	5354	0.11%	0.033%
138	9.919	9.870	9.934	VV	353	8687	0.17%	0.053%
139	9.956	9.934	9.978	VV	557	10789	0.21%	0.066%
140	10.033	9.978	10.051	VV	836	20254	0.40%	0.123%
141	10.066	10.051	10.088	VV	652	11305	0.23%	0.069%

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142	10.121	10.088	10.133	VV	536	11551	0.23%	0.070%
143	10.149	10.133	10.184	VV	730	11774	0.23%	0.072%
144	10.199	10.184	10.208	VV	294	3498	0.07%	0.021%
145	10.239	10.208	10.252	VV	658	12106	0.24%	0.074%
146	10.273	10.252	10.293	VV	657	12578	0.25%	0.077%
147	10.317	10.293	10.338	VV	848	16152	0.32%	0.098%
148	10.382	10.338	10.414	VV	952	28438	0.57%	0.173%
149	10.430	10.414	10.447	VV	652	10440	0.21%	0.064%
150	10.461	10.447	10.475	VV	646	9642	0.19%	0.059%
151	10.503	10.475	10.536	VV	1805	32705	0.65%	0.199%
152	10.589	10.536	10.638	VV	567	23022	0.46%	0.140%
153	10.661	10.638	10.678	VV	387	7381	0.15%	0.045%
154	10.696	10.678	10.729	VV	484	11373	0.23%	0.069%
155	10.742	10.729	10.751	VV	375	4425	0.09%	0.027%
156	10.771	10.751	10.780	VV	400	6754	0.13%	0.041%
157	10.800	10.780	10.819	VV	934	14404	0.29%	0.088%
158	10.829	10.819	10.854	VV	373	5396	0.11%	0.033%
159	10.883	10.854	10.922	VV	331	8395	0.17%	0.051%
160	10.930	10.922	10.937	VV	88	681	0.01%	0.004%
161	10.945	10.937	10.973	VV	164	1603	0.03%	0.010%
162	11.012	10.973	11.050	VV	1106	17981	0.36%	0.110%
163	11.080	11.050	11.110	VV	1965	28924	0.58%	0.176%
164	11.163	11.110	11.218	VV	474	17620	0.35%	0.107%
165	11.233	11.218	11.261	VV	347	4566	0.09%	0.028%
166	11.299	11.261	11.341	VV	198	6015	0.12%	0.037%
167	11.381	11.341	11.447	PV	84620	983511	19.58%	5.992%
168	11.463	11.447	11.511	VV	967	22822	0.45%	0.139%
169	11.546	11.511	11.585	VV	781	19591	0.39%	0.119%
170	11.593	11.585	11.624	VV	226	4610	0.09%	0.028%
171	11.671	11.624	11.684	VV	364	11023	0.22%	0.067%
172	11.718	11.684	11.774	VV	1041	38473	0.77%	0.234%
173	11.804	11.774	11.864	VV	899	29870	0.59%	0.182%
174	11.879	11.864	11.920	VV	612	15814	0.31%	0.096%
175	11.961	11.920	12.000	VV	1282	34307	0.68%	0.209%
176	12.018	12.000	12.037	VV	621	9938	0.20%	0.061%
177	12.056	12.037	12.088	VV	548	11105	0.22%	0.068%
178	12.091	12.088	12.101	VV	245	1590	0.03%	0.010%
179	12.153	12.101	12.171	VV	513	14837	0.30%	0.090%
180	12.247	12.171	12.294	VV	2377	55345	1.10%	0.337%
181	12.324	12.294	12.354	VV	1390	20848	0.42%	0.127%
182	12.383	12.354	12.428	VV	2673	38901	0.77%	0.237%
183	12.448	12.428	12.481	VV	664	12759	0.25%	0.078%
184	12.502	12.481	12.544	VV	329	7830	0.16%	0.048%
185	12.552	12.544	12.568	VV	177	1740	0.03%	0.011%
186	12.576	12.568	12.611	VV	140	2081	0.04%	0.013%
187	12.663	12.611	12.691	PV	361	10486	0.21%	0.064%
188	12.705	12.691	12.726	VV	279	4031	0.08%	0.025%
189	12.751	12.726	12.770	VV	315	6688	0.13%	0.041%
190	12.827	12.770	12.972	VV	400309	5023005	100.00%	30.600%
191	12.989	12.972	13.028	VV	964	25962	0.52%	0.158%
192	13.054	13.028	13.084	VV	972	24569	0.49%	0.150%
193	13.102	13.084	13.114	VV	553	9005	0.18%	0.055%
194	13.128	13.114	13.166	VV	517	13503	0.27%	0.082%

195	13.207	13.166	13.227	VV	600	17641	0.35%	0.107%
196	13.279	13.227	13.311	VV	795	26144	0.52%	0.159%
197	13.322	13.311	13.331	VV	333	3368	0.07%	0.021%
198	13.335	13.331	13.354	VV	338	3667	0.07%	0.022%
199	13.372	13.354	13.389	VV	327	5722	0.11%	0.035%
200	13.447	13.389	13.471	VV	383	16326	0.33%	0.099%
201	13.529	13.471	13.558	VV	1301	31929	0.64%	0.195%
202	13.581	13.558	13.636	VV	2273	39332	0.78%	0.240%
203	13.647	13.636	13.700	VV	288	6338	0.13%	0.039%
204	13.710	13.700	13.771	VV	142	3432	0.07%	0.021%
205	13.840	13.771	13.854	VV	247	8208	0.16%	0.050%
206	13.857	13.854	13.868	VV	194	1118	0.02%	0.007%
207	13.875	13.868	13.951	VV	194	6431	0.13%	0.039%
208	14.018	13.951	14.093	VV	1175	35777	0.71%	0.218%
209	14.109	14.093	14.118	VV	241	3312	0.07%	0.020%
210	14.142	14.118	14.178	VV	421	11154	0.22%	0.068%
211	14.233	14.178	14.248	VV	322	10888	0.22%	0.066%
212	14.289	14.248	14.323	VV	393	12859	0.26%	0.078%
213	14.339	14.323	14.366	VV	274	6263	0.12%	0.038%
214	14.391	14.366	14.411	VV	313	6996	0.14%	0.043%
215	14.456	14.411	14.468	VV	413	11188	0.22%	0.068%
216	14.487	14.468	14.569	VV	482	15054	0.30%	0.092%
217	14.577	14.569	14.586	VV	153	1243	0.02%	0.008%
218	14.638	14.586	14.659	VV	1122	22205	0.44%	0.135%
219	14.680	14.659	14.721	VV	1888	35768	0.71%	0.218%
220	14.733	14.721	14.804	VV	426	9472	0.19%	0.058%
221	14.849	14.804	14.908	PV	232	8106	0.16%	0.049%
222	14.930	14.908	14.955	VV	209	3648	0.07%	0.022%
223	14.989	14.955	15.017	VV	177	3420	0.07%	0.021%
224	15.066	15.017	15.152	VV	525	22945	0.46%	0.140%
225	15.169	15.152	15.183	VV	371	5287	0.11%	0.032%
226	15.203	15.183	15.238	VV	573	12796	0.25%	0.078%
227	15.241	15.238	15.269	VV	322	4168	0.08%	0.025%
228	15.275	15.269	15.308	VV	190	3228	0.06%	0.020%
229	15.313	15.308	15.323	VV	174	1462	0.03%	0.009%
230	15.386	15.323	15.393	VV	320	9406	0.19%	0.057%
231	15.405	15.393	15.463	VV	297	7492	0.15%	0.046%
232	15.506	15.463	15.531	VV	327	9183	0.18%	0.056%
233	15.554	15.531	15.617	VV	351	11141	0.22%	0.068%
234	15.628	15.617	15.638	VV	133	1010	0.02%	0.006%
235	15.660	15.638	15.677	VV	702	10804	0.22%	0.066%
236	15.700	15.677	15.738	VV	1612	27475	0.55%	0.167%
237	15.747	15.738	15.797	VV	350	6682	0.13%	0.041%
238	15.811	15.797	15.853	PV	148	2438	0.05%	0.015%
239	15.874	15.853	15.908	PV	219	4268	0.08%	0.026%
240	15.917	15.908	15.932	VV	156	1020	0.02%	0.006%
241	15.951	15.932	15.964	VV	100	923	0.02%	0.006%
242	16.004	15.964	16.023	VV	177	3104	0.06%	0.019%
243	16.071	16.023	16.125	VV	174	5538	0.11%	0.034%
244	16.181	16.125	16.219	VV	459	12151	0.24%	0.074%
245	16.229	16.219	16.248	VV	162	2469	0.05%	0.015%
246	16.262	16.248	16.293	VV	190	3540	0.07%	0.022%

247	16.344	16.293	16.361	VV	287	5704	0.11%	0.035%
248	16.367	16.361	16.408	VV	222	5445	0.11%	0.033%
249	16.412	16.408	16.448	VV	248	3623	0.07%	0.022%
250	16.473	16.448	16.504	VV	235	6288	0.13%	0.038%
251	16.539	16.504	16.590	VV	311	11593	0.23%	0.071%
252	16.613	16.590	16.625	VV	780	10626	0.21%	0.065%
253	16.646	16.625	16.671	VV	1586	26540	0.53%	0.162%
254	16.689	16.671	16.736	VV	1023	17773	0.35%	0.108%
255	16.744	16.736	16.751	VV	113	1111	0.02%	0.007%
256	16.759	16.751	16.768	VV	152	1102	0.02%	0.007%
257	16.818	16.768	16.838	VV	176	5709	0.11%	0.035%
258	16.851	16.838	16.916	VV	169	3791	0.08%	0.023%
259	16.953	16.916	16.982	PV	210	4006	0.08%	0.024%
260	17.017	16.982	17.051	VV	175	3189	0.06%	0.019%
261	17.096	17.051	17.154	VV	1120	22804	0.45%	0.139%
262	17.199	17.154	17.231	VV	320	8550	0.17%	0.052%
263	17.242	17.231	17.249	VV	126	1192	0.02%	0.007%
264	17.288	17.249	17.334	VV	224	6871	0.14%	0.042%
265	17.354	17.334	17.378	VV	202	4312	0.09%	0.026%
266	17.401	17.378	17.428	VV	153	3318	0.07%	0.020%
267	17.436	17.428	17.458	VV	128	1775	0.04%	0.011%
268	17.532	17.458	17.588	VV	1677	45100	0.90%	0.275%
269	17.646	17.588	17.778	VV	439	21611	0.43%	0.132%
270	17.825	17.778	17.854	PV	286	6242	0.12%	0.038%
271	17.893	17.854	17.913	VV	372	7434	0.15%	0.045%
272	17.954	17.913	17.991	VV	1598	29506	0.59%	0.180%
273	18.013	17.991	18.048	VV	322	5592	0.11%	0.034%
274	18.052	18.048	18.065	VV	166	1262	0.03%	0.008%
275	18.090	18.065	18.118	VV	255	3711	0.07%	0.023%
276	18.167	18.118	18.183	PV	248	4670	0.09%	0.028%
277	18.228	18.183	18.289	VV	293	11443	0.23%	0.070%
278	18.362	18.289	18.438	VV	1969	48720	0.97%	0.297%
279	18.467	18.438	18.502	VV	640	12169	0.24%	0.074%
280	18.518	18.502	18.527	VV	191	2030	0.04%	0.012%
281	18.543	18.527	18.596	VV	119	3669	0.07%	0.022%
282	18.621	18.596	18.638	VV	165	2289	0.05%	0.014%
283	18.648	18.638	18.654	VV	74	394	0.01%	0.002%
284	18.702	18.654	18.707	PV	145	1942	0.04%	0.012%
285	18.762	18.707	18.801	VV	1227	21454	0.43%	0.131%
286	18.819	18.801	18.834	VV	105	582	0.01%	0.004%
287	18.948	18.834	18.991	PV	333	9851	0.20%	0.060%
288	19.145	18.991	19.181	VV	1612	43164	0.86%	0.263%
289	19.190	19.181	19.211	VV	261	3399	0.07%	0.021%
290	19.305	19.211	19.321	VV	280	11540	0.23%	0.070%
291	19.341	19.321	19.354	VV	297	5286	0.11%	0.032%
292	19.410	19.354	19.427	VV	406	14814	0.29%	0.090%
293	19.450	19.427	19.484	VV	392	10558	0.21%	0.064%
294	19.521	19.484	19.554	VV	853	23325	0.46%	0.142%
295	19.578	19.554	19.598	VV	504	10624	0.21%	0.065%
296	19.656	19.598	19.671	VV	607	20476	0.41%	0.125%
297	19.682	19.671	19.687	VV	557	5118	0.10%	0.031%
298	19.708	19.687	19.723	VV	725	13194	0.26%	0.080%
299	19.783	19.723	19.831	VV	1190	53836	1.07%	0.328%

rteres

300	19.886	19.831	19.914	VV	1718	55627	1.11%	0.339%
301	19.922	19.914	19.927	VV	971	7370	0.15%	0.045%
302	20.028	19.927	20.068	VV	1575	98021	1.95%	0.597%
303	20.164	20.068	20.210	VV	1452	111831	2.23%	0.681%
304	20.242	20.210	20.277	VV	1753	62337	1.24%	0.380%
305	20.312	20.277	20.321	VV	1672	42595	0.85%	0.259%
306	20.355	20.321	20.364	VV	1768	44782	0.89%	0.273%
307	20.414	20.364	20.439	VV	2312	88756	1.77%	0.541%
308	20.449	20.439	20.471	VV	1991	37041	0.74%	0.226%
309	20.595	20.471	20.629	VV	2630	200543	3.99%	1.222%
310	20.681	20.629	20.694	VV	2210	82179	1.64%	0.501%
311	20.732	20.694	20.739	VV	2148	57100	1.14%	0.348%
312	20.758	20.739	20.791	VV	2196	65477	1.30%	0.399%
313	20.828	20.791	20.854	VV	2071	77635	1.55%	0.473%
314	20.859	20.854	20.908	VV	2022	61658	1.23%	0.376%
315	20.917	20.908	20.954	VV	1987	50868	1.01%	0.310%
316	20.972	20.954	21.032	VV	1801	78278	1.56%	0.477%
317	21.041	21.032	21.053	VV	1539	19806	0.39%	0.121%
318	21.234	21.053	21.244	VV	1549	174574	3.48%	1.064%
319	21.254	21.244	21.292	VV	1470	40008	0.80%	0.244%
320	21.301	21.292	21.324	VV	1349	24420	0.49%	0.149%
321	21.378	21.324	21.391	VV	1224	46499	0.93%	0.283%
322	21.445	21.391	21.498	VV	1355	75654	1.51%	0.461%
323	21.521	21.498	21.529	VV	1086	19642	0.39%	0.120%
324	21.534	21.529	21.554	VV	1010	14317	0.29%	0.087%
325	21.572	21.554	21.590	VV	981	19932	0.40%	0.121%
326	21.602	21.590	21.615	VV	915	12751	0.25%	0.078%
327	21.640	21.615	21.653	VV	906	19493	0.39%	0.119%
328	21.682	21.653	21.703	VV	843	24653	0.49%	0.150%
329	21.715	21.703	21.749	VV	826	20468	0.41%	0.125%
330	21.761	21.749	21.834	VV	751	31260	0.62%	0.190%
331	21.852	21.834	21.919	VV	536	23432	0.47%	0.143%
332	21.932	21.919	21.954	VV	399	7684	0.15%	0.047%
333	21.961	21.954	21.974	VV	330	3651	0.07%	0.022%
334	21.987	21.974	21.997	VV	318	3822	0.08%	0.023%
335	22.049	21.997	22.071	VV	310	11258	0.22%	0.069%
336	22.080	22.071	22.111	VV	307	5373	0.11%	0.033%
337	22.132	22.111	22.184	VV	222	5519	0.11%	0.034%

Sum of corrected areas: 16414962

Aliphatic EPH 032625.M Sat Mar 29 02:56:58 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015589.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.38	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.55	J	0.24	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.04		0.43	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.26	U	1.26	2.83	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.7		40 - 140	67%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.6		40 - 140	41%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-21	Acq On:	29 Mar 2025 01:47
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP\AJ
Data file:	FG015589.D	Misc:	
Instrument:	FID_G	ALS Vial:	85
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	708872	5.29	200	ug/ml
Aromatic C12-C16	6.330	9.039	1061061	7.736	300	ug/ml
Aromatic C16-C21	9.040	13.371	5980506	42.899	500	ug/ml
Aromatic C21-C36	13.372	18.837	1508682	11.588	800	ug/ml
Aromatic EPH	4.449	18.837	9259121	67.513		ug/ml
2-Bromonaphthalene (SURR)	7.963	7.963	4112715	33.67		ug/ml
2-Flurobiphenyl (SURR)	8.841	8.841	2331797	28.21		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	3000891	20.58		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015589.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 01:47
Operator : YP\AJ
Sample : Q1664-21
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:17:21 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...	7.963	4112715	33.668 ug/ml
Spiked Amount 50.000		Recovery =	67.34%
6) S 2-Flurobiphenyl (SURR)	8.841	2331797	28.211 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	56.42%
11) S ortho-Terphenyl (SURR)	11.913	3000891	20.578 ug/mlm
Spiked Amount 50.000		Recovery =	41.16%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

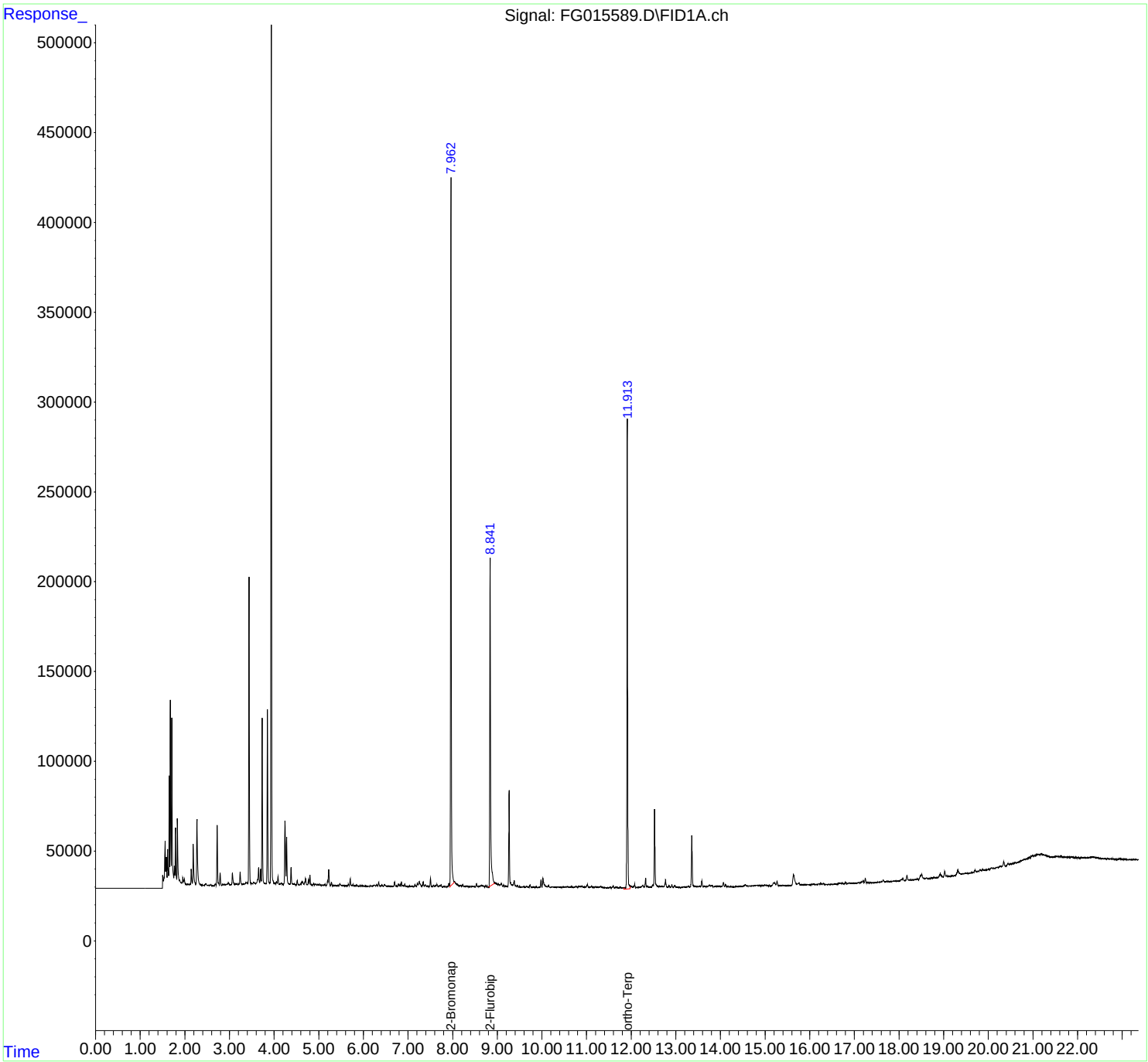
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015589.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 01:47
Operator : YP\AJ
Sample : Q1664-21
Misc :
ALS Vial : 85 Sample Multiplier: 1

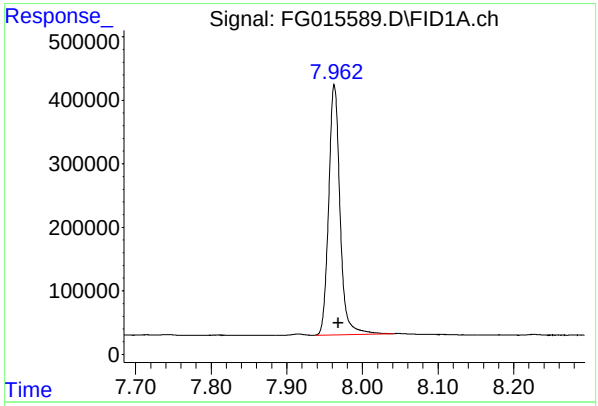
Integration File: autoint1.e
Quant Time: Mar 29 03:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





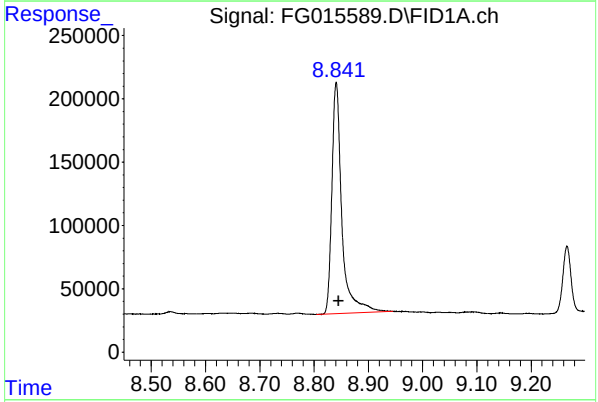
#4 2-Bromonaphthalene (SURR)

R.T.: 7.963 min
Delta R.T.: -0.005 min
Response: 4112715
Conc: 33.67 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01

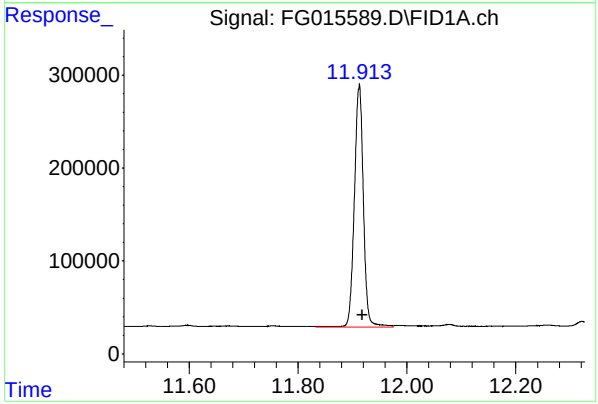
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.004 min
Response: 2331797
Conc: 28.21 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.005 min
Response: 3000891
Conc: 20.58 ug/ml m

rteres

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03282
Data File : FG015589.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 01:47
Sample : Q1664-21
Misc :
ALS Vial : 85 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	4.381	4.360	4.451	PV	9574	99680	2.37%	0.621%
2	4.461	4.451	4.500	VV	429	3220	0.08%	0.020%
3	4.518	4.500	4.547	PV	2469	26924	0.64%	0.168%
4	4.554	4.547	4.574	VV	209	1409	0.03%	0.009%
5	4.595	4.574	4.605	PV	579	6190	0.15%	0.039%
6	4.623	4.605	4.633	VV	1594	19343	0.46%	0.120%
7	4.643	4.633	4.668	VV	1545	23259	0.55%	0.145%
8	4.707	4.668	4.734	VV	3719	62992	1.50%	0.392%
9	4.742	4.734	4.750	VV	378	3288	0.08%	0.020%
10	4.771	4.750	4.786	VV	3278	36893	0.88%	0.230%
11	4.804	4.786	4.849	VV	5826	67289	1.60%	0.419%
12	4.885	4.849	4.908	VV	1237	17804	0.42%	0.111%
13	4.930	4.908	4.965	VV	852	15736	0.37%	0.098%
14	4.978	4.965	4.998	VV	534	7342	0.17%	0.046%
15	5.013	4.998	5.032	VV	596	7398	0.18%	0.046%
16	5.036	5.032	5.062	VV	178	2089	0.05%	0.013%
17	5.069	5.062	5.092	VV	209	2637	0.06%	0.016%
18	5.107	5.092	5.117	VV	284	2668	0.06%	0.017%
19	5.134	5.117	5.172	VV	642	12270	0.29%	0.076%
20	5.199	5.172	5.207	VV	2717	28401	0.68%	0.177%
21	5.224	5.207	5.261	VV	9026	121125	2.88%	0.754%
22	5.287	5.261	5.330	VV	1929	24538	0.58%	0.153%
23	5.345	5.330	5.381	VV	278	4208	0.10%	0.026%
24	5.407	5.391	5.413	VV	138	1009	0.02%	0.006%
25	5.432	5.413	5.450	VV	560	6199	0.15%	0.039%
26	5.473	5.450	5.509	VV	1266	20759	0.49%	0.129%
27	5.522	5.509	5.549	VV	262	4883	0.12%	0.030%
28	5.559	5.549	5.594	VV	203	3140	0.07%	0.020%
29	5.625	5.606	5.642	VV	368	4272	0.10%	0.027%
30	5.664	5.642	5.685	PV	1031	12993	0.31%	0.081%
31	5.707	5.685	5.739	VV	4168	49690	1.18%	0.309%
32	5.744	5.739	5.749	VV	430	2364	0.06%	0.015%
33	5.767	5.749	5.790	VV	1087	13887	0.33%	0.086%
34	5.810	5.790	5.823	VV	433	5576	0.13%	0.035%
35	5.839	5.823	5.848	VV	455	5666	0.13%	0.035%
36	5.859	5.848	5.899	VV	477	6629	0.16%	0.041%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

					rteres			
37	5.930	5.899	5.945	VV	394	5517	0.13%	0.034%
38	5.975	5.945	6.000	VV	617	8531		
39	6.007	6.000	6.017	VV	188	1349		
40	6.034	6.017	6.070	VV	292	6300		
41	6.074	6.070	6.086	VV	214	1031		
42	6.098	6.086	6.109	VV	198	1437		
43	6.113	6.109	6.128	VV	141	1318	0.03%	0.008%
44	6.152	6.128	6.170	PV	348	6048	0.14%	0.038%
45	6.181	6.170	6.195	VV	368	4587	0.11%	0.029%
46	6.198	6.195	6.211	VV	350	2688	0.06%	0.017%
47	6.246	6.211	6.281	VV	817	21644	0.51%	0.135%
48	6.298	6.281	6.319	VV	1014	14332	0.34%	0.089%
49	6.344	6.319	6.378	VV	2512	35518	0.84%	0.221%
50	6.411	6.378	6.443	VV	805	18833	0.45%	0.117%
51	6.480	6.443	6.515	VV	966	24039	0.57%	0.150%
52	6.522	6.515	6.533	VV	337	2843	0.07%	0.018%
53	6.547	6.533	6.572	VV	364	6908	0.16%	0.043%
54	6.583	6.578	6.599	VV	299	3096	0.07%	0.019%
55	6.614	6.599	6.649	VV	282	5897	0.14%	0.037%
56	6.657	6.649	6.675	VV	298	3219	0.08%	0.020%
57	6.700	6.675	6.725	VV	2657	34333	0.82%	0.214%
58	6.740	6.725	6.757	VV	489	7169	0.17%	0.045%
59	6.787	6.757	6.808	VV	1644	24085	0.57%	0.150%
60	6.821	6.808	6.837	VV	980	11583	0.28%	0.072%
61	6.854	6.837	6.875	VV	2829	32700	0.78%	0.204%
62	6.888	6.875	6.906	VV	871	10546	0.25%	0.066%
63	6.929	6.906	6.948	VV	1598	17794	0.42%	0.111%
64	6.957	6.948	6.969	VV	346	3217	0.08%	0.020%
65	6.979	6.969	6.997	VV	264	2697	0.06%	0.017%
66	7.003	6.997	7.020	VV	169	2097	0.05%	0.013%
67	7.032	7.020	7.054	VV	539	5601	0.13%	0.035%
68	7.083	7.054	7.129	VV	479	10498	0.25%	0.065%
69	7.156	7.129	7.187	PV	1370	18545	0.44%	0.115%
70	7.211	7.187	7.226	VV	2084	28268	0.67%	0.176%
71	7.252	7.226	7.271	VV	2944	52270	1.24%	0.325%
72	7.276	7.271	7.310	VV	1585	20307	0.48%	0.126%
73	7.341	7.310	7.369	VV	2874	43380	1.03%	0.270%
74	7.388	7.369	7.435	VV	1309	25007	0.59%	0.156%
75	7.444	7.435	7.477	VV	574	7432	0.18%	0.046%
76	7.506	7.477	7.547	VV	4916	59225	1.41%	0.369%
77	7.566	7.547	7.600	VV	801	15863	0.38%	0.099%
78	7.615	7.600	7.628	VV	1047	11131	0.26%	0.069%
79	7.650	7.628	7.670	VV	1468	21693	0.52%	0.135%
80	7.686	7.670	7.699	VV	609	7541	0.18%	0.047%
81	7.715	7.699	7.728	VV	934	11433	0.27%	0.071%
82	7.742	7.728	7.774	VV	1308	16153	0.38%	0.101%
83	7.809	7.774	7.837	VV	475	9094	0.22%	0.057%
84	7.864	7.846	7.876	VV	290	3348	0.08%	0.021%
85	7.883	7.876	7.895	VV	292	2476	0.06%	0.015%
86	7.916	7.895	7.935	VV	2083	24402	0.58%	0.152%
87	7.963	7.935	8.040	VV	394440	4205219	100.00%	26.185%
88	8.048	8.040	8.099	VV	3045	75335	1.79%	0.469%
89	8.105	8.099	8.129	VV	1485	21902	0.52%	0.136%

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90	8.133	8.129	8.165	VV	948	17448	0.41%	0.109%
91	8.185	8.165	8.206	VV	944	17598		
92	8.227	8.206	8.271	VV	1597	28815		
93	8.282	8.271	8.302	VV	548	8657		
94	8.321	8.302	8.387	VV	782	20600		
95	8.404	8.387	8.409	VV	273	3256		
96	8.439	8.409	8.474	VV	651	15666	0.37%	0.098%
97	8.479	8.474	8.500	VV	285	3544	0.08%	0.022%
98	8.535	8.500	8.587	VV	2100	37884	0.90%	0.236%
99	8.603	8.587	8.615	VV	712	9680	0.23%	0.060%
100	8.631	8.615	8.641	VV	946	11977	0.28%	0.075%
101	8.648	8.641	8.667	VV	1001	13061	0.31%	0.081%
102	8.683	8.667	8.713	VV	898	15915	0.38%	0.099%
103	8.733	8.713	8.751	VV	830	11626	0.28%	0.072%
104	8.771	8.751	8.804	VV	1035	12595	0.30%	0.078%
105	8.841	8.804	8.955	PV	183072	2447923	58.21%	15.242%
106	8.969	8.955	8.990	VV	2429	44852	1.07%	0.279%
107	8.995	8.990	9.015	VV	1932	26309	0.63%	0.164%
108	9.028	9.015	9.041	VV	1740	24100	0.57%	0.150%
109	9.051	9.041	9.065	VV	1581	21075	0.50%	0.131%
110	9.096	9.065	9.126	VV	1931	52803	1.26%	0.329%
111	9.143	9.126	9.175	VV	1147	22375	0.53%	0.139%
112	9.196	9.175	9.224	VV	924	16895	0.40%	0.105%
113	9.266	9.224	9.333	VV	53937	637939	15.17%	3.972%
114	9.345	9.333	9.355	VV	1582	18601	0.44%	0.116%
115	9.381	9.355	9.410	VV	3959	68570	1.63%	0.427%
116	9.424	9.410	9.435	VV	875	11255	0.27%	0.070%
117	9.452	9.435	9.484	VV	1152	18755	0.45%	0.117%
118	9.502	9.484	9.534	VV	722	10694	0.25%	0.067%
119	9.552	9.534	9.566	VV	384	5396	0.13%	0.034%
120	9.589	9.566	9.630	VV	567	11685	0.28%	0.073%
121	9.652	9.630	9.661	VV	617	7173	0.17%	0.045%
122	9.667	9.661	9.697	VV	659	8068	0.19%	0.050%
123	9.732	9.697	9.774	VV	1494	25034	0.60%	0.156%
124	9.809	9.794	9.814	VV	337	3046	0.07%	0.019%
125	9.833	9.822	9.855	VV	262	2736	0.07%	0.017%
126	9.872	9.855	9.914	VV	649	8181	0.19%	0.051%
127	9.938	9.914	9.954	PV	288	3957	0.09%	0.025%
128	9.981	9.954	10.002	VV	4371	50815	1.21%	0.316%
129	10.024	10.002	10.129	VV	5297	124649	2.96%	0.776%
130	10.149	10.129	10.197	VV	1385	22293	0.53%	0.139%
131	10.222	10.197	10.279	VV	497	16141	0.38%	0.101%
132	10.284	10.279	10.289	VV	221	1207	0.03%	0.008%
133	10.300	10.289	10.306	VV	323	2672	0.06%	0.017%
134	10.313	10.306	10.317	VV	329	1923	0.05%	0.012%
135	10.321	10.317	10.334	VV	305	2282	0.05%	0.014%
136	10.355	10.334	10.385	VV	613	10446	0.25%	0.065%
137	10.394	10.385	10.399	VV	182	1306	0.03%	0.008%
138	10.426	10.399	10.443	VV	365	5374	0.13%	0.033%
139	10.471	10.443	10.487	VV	590	10501	0.25%	0.065%
140	10.503	10.487	10.512	VV	428	5436	0.13%	0.034%
141	10.546	10.512	10.562	VV	627	12701	0.30%	0.079%

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142	10.576	10.562	10.598	VV	641	10510	0.25%	0.065%
143	10.617	10.598	10.622	VV	460	5106		
144	10.635	10.622	10.646	VV	475	5303		
145	10.667	10.646	10.689	VV	1120	14500		
146	10.707	10.689	10.725	VV	298	4700		
147	10.753	10.725	10.765	VV	764	11212		
148	10.777	10.765	10.801	VV	717	12009	0.29%	0.075%
149	10.824	10.801	10.855	VV	886	22211	0.53%	0.138%
150	10.892	10.855	10.928	VV	1052	31717	0.75%	0.197%
151	10.946	10.928	10.967	VV	781	11471	0.27%	0.071%
152	10.976	10.967	10.990	VV	552	6781	0.16%	0.042%
153	11.020	10.990	11.051	VV	1998	35845	0.85%	0.223%
154	11.081	11.051	11.091	VV	494	9372	0.22%	0.058%
155	11.110	11.091	11.132	VV	827	14753	0.35%	0.092%
156	11.136	11.132	11.157	VV	386	4487	0.11%	0.028%
157	11.185	11.157	11.196	VV	643	10439	0.25%	0.065%
158	11.209	11.196	11.245	VV	675	14579	0.35%	0.091%
159	11.259	11.245	11.277	VV	472	7580	0.18%	0.047%
160	11.291	11.277	11.297	VV	532	5339	0.13%	0.033%
161	11.318	11.297	11.338	VV	1067	17108	0.41%	0.107%
162	11.349	11.338	11.368	VV	485	5421	0.13%	0.034%
163	11.383	11.368	11.416	VV	326	5337	0.13%	0.033%
164	11.422	11.416	11.442	VV	143	1235	0.03%	0.008%
165	11.462	11.442	11.502	PV	169	2873	0.07%	0.018%
166	11.527	11.502	11.557	VV	681	9627	0.23%	0.060%
167	11.597	11.557	11.627	VV	1318	21756	0.52%	0.135%
168	11.647	11.627	11.656	VV	304	4180	0.10%	0.026%
169	11.672	11.656	11.713	VV	660	11700	0.28%	0.073%
170	11.719	11.713	11.735	VV	137	1126	0.03%	0.007%
171	11.753	11.735	11.774	PV	689	8022	0.19%	0.050%
172	11.788	11.774	11.795	VV	199	1632	0.04%	0.010%
173	11.806	11.795	11.821	VV	192	2233	0.05%	0.014%
174	11.827	11.821	11.855	VV	212	1751	0.04%	0.011%
175	11.912	11.855	11.975	PV	258416	2954530	70.26%	18.397%
176	11.988	11.975	12.008	VV	1215	19262	0.46%	0.120%
177	12.011	12.008	12.042	VV	765	12762	0.30%	0.079%
178	12.078	12.042	12.107	VV	2244	39054	0.93%	0.243%
179	12.115	12.107	12.133	VV	281	3495	0.08%	0.022%
180	12.170	12.133	12.177	VV	377	6896	0.16%	0.043%
181	12.201	12.177	12.207	VV	438	6166	0.15%	0.038%
182	12.261	12.207	12.292	VV	1505	41631	0.99%	0.259%
183	12.322	12.292	12.346	VV	5489	77050	1.83%	0.480%
184	12.362	12.346	12.387	VV	1137	18047	0.43%	0.112%
185	12.402	12.387	12.414	VV	568	7847	0.19%	0.049%
186	12.426	12.414	12.449	VV	586	9251	0.22%	0.058%
187	12.486	12.449	12.498	VV	1616	31029	0.74%	0.193%
188	12.523	12.498	12.612	VV	43482	560639	13.33%	3.491%
189	12.617	12.612	12.631	VV	725	7910	0.19%	0.049%
190	12.643	12.631	12.659	VV	715	10780	0.26%	0.067%
191	12.681	12.659	12.722	VV	767	25001	0.59%	0.156%
192	12.769	12.722	12.799	VV	4571	79190	1.88%	0.493%
193	12.803	12.799	12.816	VV	404	3119	0.07%	0.019%
194	12.847	12.816	12.885	VV	1201	21617	0.51%	0.135%

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195	12.911	12.885	12.953	VV	1777	27454	0.65%	0.171%
196	12.977	12.953	13.022	VV	1273	23607		
197	13.032	13.022	13.046	VV	238	2598		
198	13.051	13.046	13.075	VV	268	2402		
199	13.168	13.118	13.174	PV	373	5052		
200	13.192	13.174	13.220	VV	428	8992		
201	13.231	13.220	13.251	VV	362	4621	0.11%	0.029%
202	13.278	13.251	13.309	VV	720	15478	0.37%	0.096%
203	13.315	13.309	13.320	VV	342	2247	0.05%	0.014%
204	13.357	13.320	13.454	VV	28937	398880	9.49%	2.484%
205	13.459	13.454	13.502	VV	568	13103	0.31%	0.082%
206	13.521	13.502	13.527	VV	696	8475	0.20%	0.053%
207	13.531	13.527	13.555	VV	681	9982	0.24%	0.062%
208	13.580	13.555	13.624	VV	3530	57759	1.37%	0.360%
209	13.651	13.624	13.697	VV	715	18330	0.44%	0.114%
210	13.737	13.697	13.741	VV	793	14745	0.35%	0.092%
211	13.755	13.741	13.773	VV	1346	18191	0.43%	0.113%
212	13.796	13.773	13.804	VV	878	13943	0.33%	0.087%
213	13.817	13.804	13.842	VV	830	12787	0.30%	0.080%
214	13.869	13.842	13.882	VV	406	7424	0.18%	0.046%
215	13.908	13.882	13.916	VV	406	6704	0.16%	0.042%
216	13.933	13.916	13.941	VV	426	5921	0.14%	0.037%
217	13.980	13.941	14.005	VV	620	16309	0.39%	0.102%
218	14.064	14.005	14.093	VV	2659	49630	1.18%	0.309%
219	14.112	14.093	14.159	VV	1455	26423	0.63%	0.165%
220	14.166	14.159	14.198	VV	255	4069	0.10%	0.025%
221	14.210	14.198	14.227	VV	326	3988	0.09%	0.025%
222	14.231	14.227	14.256	VV	274	2628	0.06%	0.016%
223	14.277	14.269	14.302	VV	146	1048	0.02%	0.007%
224	14.336	14.302	14.349	PV	266	4278	0.10%	0.027%
225	14.373	14.357	14.395	VV	300	4779	0.11%	0.030%
226	14.402	14.395	14.430	VV	281	4023	0.10%	0.025%
227	14.455	14.430	14.463	VV	298	4765	0.11%	0.030%
228	14.479	14.463	14.489	VV	326	3960	0.09%	0.025%
229	14.492	14.489	14.503	VV	325	2458	0.06%	0.015%
230	14.551	14.503	14.618	VV	1255	42037	1.00%	0.262%
231	14.620	14.618	14.625	VV	402	1679	0.04%	0.010%
232	14.675	14.625	14.727	VV	530	22314	0.53%	0.139%
233	14.759	14.727	14.792	VV	648	19346	0.46%	0.120%
234	14.811	14.792	14.824	VV	673	11479	0.27%	0.071%
235	14.831	14.824	14.855	VV	601	9598	0.23%	0.060%
236	14.859	14.855	14.865	VV	429	2340	0.06%	0.015%
237	14.881	14.865	14.907	VV	497	9658	0.23%	0.060%
238	14.939	14.907	14.948	VV	478	9170	0.22%	0.057%
239	14.994	14.948	15.011	VV	633	17139	0.41%	0.107%
240	15.026	15.011	15.052	VV	597	10463	0.25%	0.065%
241	15.058	15.052	15.087	VV	437	5987	0.14%	0.037%
242	15.091	15.087	15.098	VV	259	1503	0.04%	0.009%
243	15.103	15.098	15.119	VV	267	2308	0.05%	0.014%
244	15.125	15.119	15.135	VV	239	1933	0.05%	0.012%
245	15.184	15.135	15.208	VV	1861	47082	1.12%	0.293%
246	15.217	15.208	15.240	VV	1761	24563	0.58%	0.153%

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247	15.266	15.240	15.315	VV	2671	47303	1.12%	0.295%
248	15.319	15.315	15.325	VV	237	1407		
249	15.331	15.325	15.370	VV	320	4426		
250	15.391	15.370	15.438	VV	425	9161		
251	15.462	15.438	15.498	VV	144	3308		
252	15.516	15.498	15.520	VV	167	1234		
253	15.525	15.520	15.557	VV	225	1989	0.05%	0.012%
254	15.581	15.557	15.585	PV	199	1541	0.04%	0.010%
255	15.635	15.593	15.715	VV	5896	193954	4.61%	1.208%
256	15.759	15.715	15.837	VV	1522	51726	1.23%	0.322%
257	15.841	15.837	15.855	VV	226	2346	0.06%	0.015%
258	15.874	15.855	15.879	VV	399	4384	0.10%	0.027%
259	15.883	15.879	15.900	VV	409	3956	0.09%	0.025%
260	15.907	15.900	15.917	VV	347	3118	0.07%	0.019%
261	15.923	15.917	15.927	VV	318	1842	0.04%	0.011%
262	15.930	15.927	15.934	VV	350	1207	0.03%	0.008%
263	15.938	15.934	15.941	VV	324	1224	0.03%	0.008%
264	15.954	15.941	16.017	VV	403	10938	0.26%	0.068%
265	16.056	16.026	16.085	VV	450	12264	0.29%	0.076%
266	16.092	16.085	16.097	VV	462	2881	0.07%	0.018%
267	16.101	16.097	16.128	VV	482	6215	0.15%	0.039%
268	16.153	16.128	16.185	VV	335	9616	0.23%	0.060%
269	16.206	16.185	16.223	VV	781	12163	0.29%	0.076%
270	16.245	16.223	16.275	VV	1230	20590	0.49%	0.128%
271	16.302	16.275	16.361	VV	650	15986	0.38%	0.100%
272	16.383	16.361	16.402	VV	214	2866	0.07%	0.018%
273	16.429	16.402	16.437	VV	166	2030	0.05%	0.013%
274	16.452	16.437	16.457	VV	150	1475	0.04%	0.009%
275	16.463	16.457	16.480	VV	102	1036	0.02%	0.006%
276	16.557	16.529	16.574	VV	287	5106	0.12%	0.032%
277	16.589	16.581	16.608	VV	176	2089	0.05%	0.013%
278	16.665	16.608	16.689	VV	780	19115	0.45%	0.119%
279	16.690	16.689	16.710	VV	651	6057	0.14%	0.038%
280	16.730	16.710	16.747	VV	572	9378	0.22%	0.058%
281	16.753	16.747	16.778	VV	296	4311	0.10%	0.027%
282	16.812	16.778	16.845	VV	860	17134	0.41%	0.107%
283	16.880	16.845	16.909	VV	528	14135	0.34%	0.088%
284	16.923	16.909	16.929	VV	383	4387	0.10%	0.027%
285	16.942	16.929	16.950	VV	405	4646	0.11%	0.029%
286	16.955	16.950	16.976	VV	386	4573	0.11%	0.028%
287	16.979	16.976	16.989	VV	243	1587	0.04%	0.010%
288	16.992	16.989	16.999	VV	237	1223	0.03%	0.008%
289	17.026	16.999	17.032	VV	255	4359	0.10%	0.027%
290	17.035	17.032	17.044	VV	223	1309	0.03%	0.008%
291	17.049	17.044	17.062	VV	208	1957	0.05%	0.012%
292	17.087	17.062	17.103	VV	484	8875	0.21%	0.055%
293	17.119	17.103	17.134	VV	431	6655	0.16%	0.041%
294	17.163	17.134	17.177	VV	865	14769	0.35%	0.092%
295	17.197	17.177	17.217	VV	1247	20522	0.49%	0.128%
296	17.244	17.217	17.272	VV	2701	42652	1.01%	0.266%
297	17.275	17.272	17.333	VV	533	11249	0.27%	0.070%
298	17.340	17.333	17.355	VV	183	1977	0.05%	0.012%
299	17.393	17.377	17.409	VV	158	2007	0.05%	0.012%

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300	17.493	17.450	17.499	VV	133	2979	0.07%	0.019%
301	17.531	17.499	17.557	VV	306	6227		
302	17.648	17.557	17.705	VV	1251	34566		
303	17.738	17.705	17.779	VV	527	11584		
304	17.858	17.813	17.877	VV	347	6388		
305	17.915	17.877	17.930	VV	254	6317		
306	17.935	17.930	17.952	VV	194	1905	0.05%	0.012%
307	18.051	17.995	18.057	VV	790	12815	0.30%	0.080%
308	18.059	18.057	18.063	VV	780	2727	0.06%	0.017%
309	18.085	18.063	18.125	VV	1580	26897	0.64%	0.167%
310	18.140	18.125	18.147	VV	131	1467	0.03%	0.009%
311	18.176	18.147	18.220	VV	2900	49959	1.19%	0.311%
312	18.224	18.220	18.232	VV	345	2067	0.05%	0.013%
313	18.236	18.232	18.244	VV	337	1765	0.04%	0.011%
314	18.264	18.244	18.291	VV	328	5581	0.13%	0.035%
315	18.317	18.291	18.332	VV	246	3628	0.09%	0.023%
316	18.364	18.332	18.381	PV	289	3752	0.09%	0.023%
317	18.408	18.381	18.439	VV	583	7947	0.19%	0.049%
318	18.506	18.439	18.578	PV	2656	100461	2.39%	0.626%
319	18.608	18.578	18.664	VV	448	13978	0.33%	0.087%
320	18.784	18.702	18.795	PV	260	7720	0.18%	0.048%
321	18.806	18.804	18.829	VV	186	1373	0.03%	0.009%
322	18.921	18.858	18.987	PV	1734	48001	1.14%	0.299%
			Sum of corrected areas:			16059942		

Aromatic EPH 031725.M Sat Mar 29 04:51:34 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-22	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/02/25 0:09	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	10.8	J	1	8.28	30.0	ug/l	FC068482.D
Aliphatic C12-C16	Aliphatic C12-C16	38.4		1	13.5	20.0	ug/l	FC068482.D
Aliphatic C16-C21	Aliphatic C16-C21	20.9	J	1	8.34	30.0	ug/l	FC068482.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068482.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068482.D
Aromatic C10-C12	Aromatic C10-C12	17.7	J	1	2.07	20.0	ug/l	FG015608.D
Aromatic C12-C16	Aromatic C12-C16	25.7	J	1	4.26	30.0	ug/l	FG015608.D
Aromatic C16-C21	Aromatic C16-C21	66.2		1	8.27	50.0	ug/l	FG015608.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015608.D
Total AliphaticEPH	Total AliphaticEPH	70.1	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	110	J		38.4	180	ug/l	
Total EPH	Total EPH	180	J		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-22	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068482.D	1	04/01/25	04/02/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.8	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	38.4		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	20.9	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-22	Acq On:	02 Apr 2025 00:09
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP/AJ
Data file:	FC068482.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	872594	5.376	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3230454	19.207	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1795511	10.469	300	ug/ml
Aliphatic C21-C28	13.097	16.749	617132	3.654	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2087984	15.333	600	ug/ml
Aliphatic EPH	3.097	21.544	8603675	54.039		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	7841644	52.6		ug/ml
Aliphatic C9-C28	3.097	16.749	6515691	38.706	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068482.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 00:09
Operator : YP/AJ
Sample : Q1664-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-008-01

Integration File: autoint1.e
Quant Time: Apr 02 03:02:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.826	7841644	52.602 ug/ml
Spiked Amount 50.000		Recovery = 105.20%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

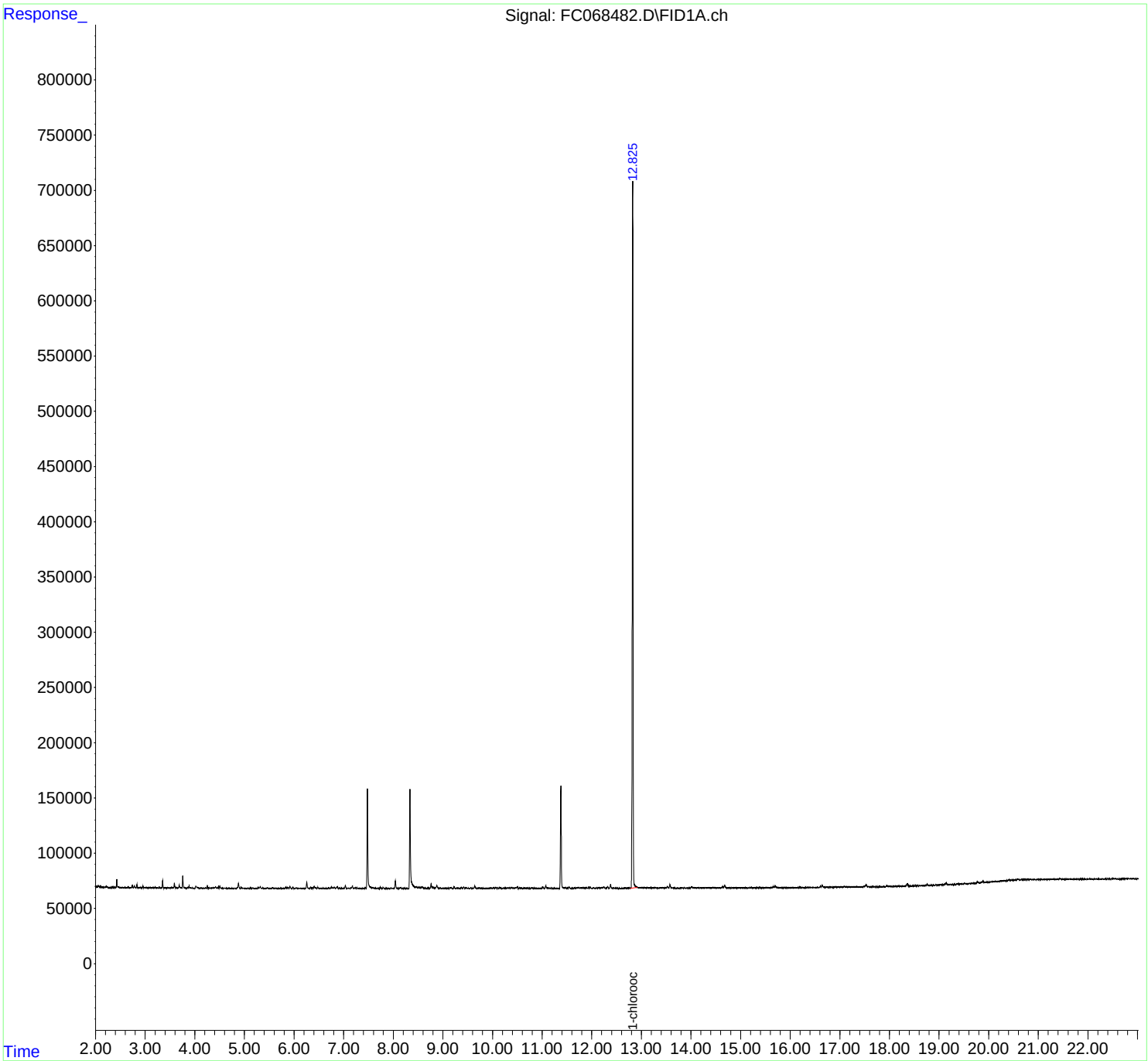
Quantitation Report (QT Reviewed)

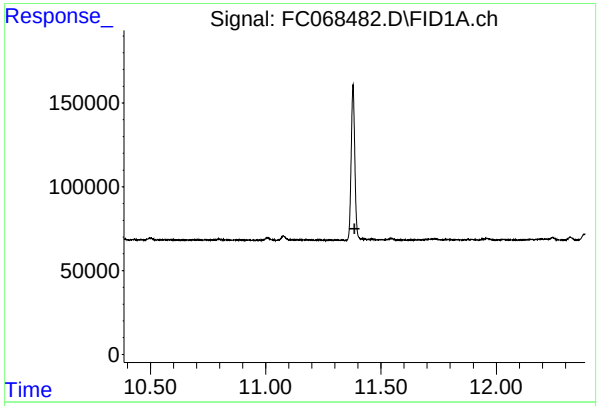
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068482.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 00:09
Operator : YP/AJ
Sample : Q1664-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-008-01

Integration File: autoint1.e
Quant Time: Apr 02 03:02:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

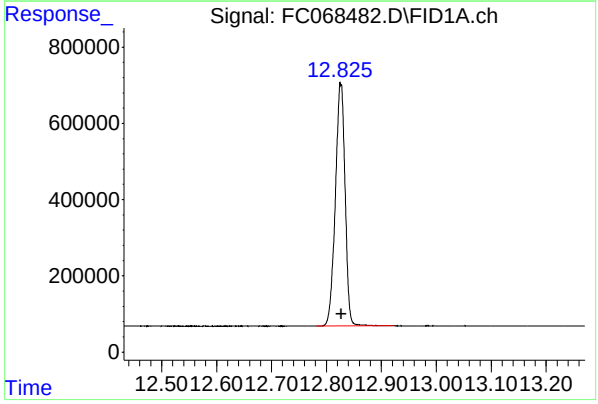




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-008-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 7841644
Conc: 52.60 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068482.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 00:09
Sample : Q1664-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.354	2.305	2.375	BV	580	5182	0.07%	0.031%
2	2.385	2.375	2.408	PV	351	3849	0.05%	0.023%
3	2.428	2.408	2.457	VV	7507	63291	0.80%	0.375%
4	2.467	2.457	2.534	VV	838	10150	0.13%	0.060%
5	2.553	2.534	2.573	PV	323	3224	0.04%	0.019%
6	2.586	2.573	2.638	VV	267	2811	0.04%	0.017%
7	2.653	2.638	2.711	PV	481	6605	0.08%	0.039%
8	2.738	2.711	2.767	PV	1806	26913	0.34%	0.159%
9	2.783	2.767	2.811	VV	1561	18605	0.24%	0.110%
10	2.833	2.811	2.881	VV	3051	31494	0.40%	0.186%
11	2.909	2.881	2.926	VV	317	4774	0.06%	0.028%
12	2.956	2.926	3.009	VV	1384	17918	0.23%	0.106%
13	3.023	3.009	3.089	VV	181	4326	0.05%	0.026%
14	3.104	3.089	3.118	PV	149	1708	0.02%	0.010%
15	3.130	3.118	3.178	VV	148	2577	0.03%	0.015%
16	3.200	3.178	3.222	VV	773	9145	0.12%	0.054%
17	3.235	3.222	3.265	VV	129	1615	0.02%	0.010%
18	3.296	3.265	3.309	PV	207	2975	0.04%	0.018%
19	3.321	3.309	3.330	VV	94	1118	0.01%	0.007%
20	3.351	3.330	3.380	VV	6871	57425	0.73%	0.340%
21	3.403	3.380	3.444	VV	149	3785	0.05%	0.022%
22	3.489	3.444	3.504	VV	254	4673	0.06%	0.028%
23	3.521	3.504	3.543	PV	555	5005	0.06%	0.030%
24	3.563	3.543	3.571	VV	477	3515	0.04%	0.021%
25	3.589	3.571	3.666	VV	4694	47533	0.60%	0.281%
26	3.686	3.666	3.741	VV	2774	32179	0.41%	0.190%
27	3.757	3.741	3.830	VV	11172	103764	1.31%	0.614%
28	3.858	3.830	3.870	VV	794	8825	0.11%	0.052%
29	3.885	3.870	3.933	VV	1643	18646	0.24%	0.110%
30	3.950	3.933	3.974	VV	356	4126	0.05%	0.024%
31	4.023	3.974	4.045	VV	1659	29205	0.37%	0.173%
32	4.053	4.045	4.118	VV	658	10624	0.13%	0.063%
33	4.136	4.118	4.163	VV	399	5484	0.07%	0.032%
34	4.178	4.163	4.197	VV	220	3277	0.04%	0.019%
35	4.214	4.197	4.224	VV	283	2604	0.03%	0.015%
36	4.254	4.224	4.281	VV	1863	22346	0.28%	0.132%

37	4.292	4.281	4.335	VV	360	6620	0.08%	0.039%
38	4.363	4.335	4.388	VV	488	8176	0.10%	0.048%
39	4.418	4.388	4.439	VV	1546	20439	0.26%	0.121%
40	4.474	4.439	4.488	VV	1410	17058	0.22%	0.101%
41	4.504	4.488	4.611	VV	2211	26740	0.34%	0.158%
42	4.621	4.611	4.657	VV	253	3597	0.05%	0.021%
43	4.698	4.657	4.763	PV	270	5860	0.07%	0.035%
44	4.772	4.763	4.784	PV	97	781	0.01%	0.005%
45	4.802	4.784	4.833	VV	335	4875	0.06%	0.029%
46	4.880	4.833	4.918	VV	4756	65552	0.83%	0.388%
47	4.935	4.918	4.955	VV	1116	12291	0.16%	0.073%
48	4.961	4.955	5.031	VV	338	6219	0.08%	0.037%
49	5.068	5.031	5.098	PV	288	5042	0.06%	0.030%
50	5.121	5.098	5.208	VV	275	11317	0.14%	0.067%
51	5.247	5.208	5.259	VV	271	4475	0.06%	0.026%
52	5.282	5.259	5.302	VV	1144	15646	0.20%	0.093%
53	5.321	5.302	5.344	VV	1880	23410	0.30%	0.139%
54	5.379	5.344	5.413	VV	413	8942	0.11%	0.053%
55	5.460	5.413	5.510	VV	529	14051	0.18%	0.083%
56	5.527	5.510	5.540	VV	390	4151	0.05%	0.025%
57	5.568	5.540	5.601	VV	547	10875	0.14%	0.064%
58	5.626	5.601	5.664	VV	523	8757	0.11%	0.052%
59	5.686	5.664	5.716	VV	278	3952	0.05%	0.023%
60	5.732	5.716	5.755	VV	448	5525	0.07%	0.033%
61	5.780	5.755	5.797	VV	465	5589	0.07%	0.033%
62	5.836	5.797	5.857	VV	1076	19973	0.25%	0.118%
63	5.875	5.857	5.897	VV	1160	14322	0.18%	0.085%
64	5.918	5.897	5.959	VV	2162	27605	0.35%	0.163%
65	5.979	5.959	6.015	VV	1549	18487	0.23%	0.109%
66	6.048	6.015	6.075	VV	505	11575	0.15%	0.069%
67	6.091	6.075	6.119	VV	226	4171	0.05%	0.025%
68	6.131	6.119	6.142	VV	225	2091	0.03%	0.012%
69	6.150	6.142	6.210	VV	212	5317	0.07%	0.031%
70	6.257	6.210	6.309	PV	5787	74004	0.93%	0.438%
71	6.339	6.309	6.359	VV	908	12955	0.16%	0.077%
72	6.376	6.359	6.387	VV	777	8109	0.10%	0.048%
73	6.405	6.387	6.428	VV	2169	26023	0.33%	0.154%
74	6.439	6.428	6.458	VV	809	9220	0.12%	0.055%
75	6.477	6.458	6.505	VV	1065	13578	0.17%	0.080%
76	6.535	6.505	6.558	VV	366	6541	0.08%	0.039%
77	6.585	6.558	6.620	VV	444	8119	0.10%	0.048%
78	6.641	6.620	6.676	VV	345	6511	0.08%	0.039%
79	6.697	6.676	6.728	VV	765	11350	0.14%	0.067%
80	6.752	6.728	6.785	VV	1493	28525	0.36%	0.169%
81	6.812	6.785	6.837	VV	1242	22787	0.29%	0.135%
82	6.874	6.837	6.896	VV	1544	29882	0.38%	0.177%
83	6.915	6.896	6.935	VV	820	9719	0.12%	0.058%
84	6.958	6.935	6.995	VV	523	10612	0.13%	0.063%
85	7.035	6.995	7.071	VV	3007	37893	0.48%	0.224%
86	7.096	7.071	7.126	VV	541	11578	0.15%	0.069%
87	7.143	7.126	7.155	VV	665	8377	0.11%	0.050%
88	7.176	7.155	7.198	VV	2277	29555	0.37%	0.175%
89	7.240	7.198	7.251	VV	683	13941	0.18%	0.083%

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90	7.266	7.251	7.305	VV	887	12789	0.16%	0.076%
91	7.330	7.305	7.345	VV	255	5339	0.07%	0.032%
92	7.349	7.345	7.371	VV	261	2753	0.03%	0.016%
93	7.386	7.371	7.418	VV	236	4204	0.05%	0.025%
94	7.436	7.418	7.454	VV	1367	14256	0.18%	0.084%
95	7.480	7.454	7.616	VV	89445	1010993	12.77%	5.984%
96	7.627	7.616	7.681	VV	533	15816	0.20%	0.094%
97	7.694	7.681	7.720	VV	369	6586	0.08%	0.039%
98	7.740	7.720	7.771	VV	1260	16298	0.21%	0.096%
99	7.796	7.771	7.818	VV	1327	15644	0.20%	0.093%
100	7.835	7.818	7.881	VV	280	6320	0.08%	0.037%
101	7.897	7.881	7.930	VV	386	4880	0.06%	0.029%
102	7.951	7.930	7.975	VV	877	10761	0.14%	0.064%
103	7.985	7.975	7.998	VV	299	2878	0.04%	0.017%
104	8.044	7.998	8.115	VV	7185	93816	1.19%	0.555%
105	8.146	8.115	8.175	VV	635	15286	0.19%	0.090%
106	8.193	8.175	8.212	VV	523	6757	0.09%	0.040%
107	8.237	8.212	8.258	PV	468	6455	0.08%	0.038%
108	8.276	8.258	8.306	VV	600	7742	0.10%	0.046%
109	8.337	8.306	8.521	VV	88936	1222021	15.44%	7.233%
110	8.534	8.521	8.545	VV	1064	14536	0.18%	0.086%
111	8.553	8.545	8.564	VV	962	10098	0.13%	0.060%
112	8.584	8.564	8.623	VV	1325	32888	0.42%	0.195%
113	8.642	8.623	8.676	VV	790	14524	0.18%	0.086%
114	8.693	8.676	8.721	VV	591	10873	0.14%	0.064%
115	8.764	8.721	8.785	VV	4751	60957	0.77%	0.361%
116	8.799	8.785	8.812	VV	1209	15840	0.20%	0.094%
117	8.820	8.812	8.850	VV	894	16917	0.21%	0.100%
118	8.877	8.850	8.928	VV	2632	49237	0.62%	0.291%
119	8.950	8.928	8.977	VV	817	12563	0.16%	0.074%
120	8.998	8.977	9.023	VV	608	8990	0.11%	0.053%
121	9.044	9.023	9.060	VV	351	5362	0.07%	0.032%
122	9.078	9.060	9.089	VV	485	5545	0.07%	0.033%
123	9.100	9.089	9.131	VV	422	8571	0.11%	0.051%
124	9.162	9.131	9.201	VV	774	20230	0.26%	0.120%
125	9.227	9.201	9.265	VV	1431	25358	0.32%	0.150%
126	9.286	9.265	9.344	VV	522	15231	0.19%	0.090%
127	9.370	9.344	9.396	VV	837	14257	0.18%	0.084%
128	9.420	9.396	9.450	VV	1522	22275	0.28%	0.132%
129	9.472	9.450	9.497	VV	779	11907	0.15%	0.070%
130	9.511	9.497	9.541	VV	407	6192	0.08%	0.037%
131	9.562	9.541	9.618	VV	647	14867	0.19%	0.088%
132	9.641	9.618	9.690	VV	2105	37986	0.48%	0.225%
133	9.709	9.690	9.789	VV	520	21336	0.27%	0.126%
134	9.806	9.789	9.843	VV	341	6085	0.08%	0.036%
135	9.860	9.843	9.871	VV	154	2279	0.03%	0.013%
136	9.889	9.871	9.901	VV	236	3289	0.04%	0.019%
137	9.917	9.901	9.931	VV	310	4776	0.06%	0.028%
138	9.956	9.931	9.975	VV	572	10571	0.13%	0.063%
139	10.032	9.975	10.048	VV	680	19635	0.25%	0.116%
140	10.065	10.048	10.088	VV	652	11759	0.15%	0.070%
141	10.117	10.088	10.135	VV	481	9999	0.13%	0.059%

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142	10.147	10.135	10.181	VV	626	10140	0.13%	0.060%
143	10.236	10.181	10.251	VV	637	14247	0.18%	0.084%
144	10.267	10.251	10.290	VV	607	10383	0.13%	0.061%
145	10.314	10.290	10.335	VV	751	13830	0.17%	0.082%
146	10.384	10.335	10.410	VV	809	24860	0.31%	0.147%
147	10.428	10.410	10.443	VV	554	8728	0.11%	0.052%
148	10.460	10.443	10.473	VV	602	8025	0.10%	0.047%
149	10.501	10.473	10.528	VV	1395	26407	0.33%	0.156%
150	10.548	10.528	10.576	VV	479	10910	0.14%	0.065%
151	10.592	10.576	10.611	VV	436	7117	0.09%	0.042%
152	10.658	10.611	10.674	VV	332	10534	0.13%	0.062%
153	10.692	10.674	10.721	VV	426	9045	0.11%	0.054%
154	10.739	10.721	10.752	VV	376	5813	0.07%	0.034%
155	10.771	10.752	10.780	VV	410	6164	0.08%	0.036%
156	10.797	10.780	10.852	VV	795	17454	0.22%	0.103%
157	10.876	10.852	10.915	VV	426	9455	0.12%	0.056%
158	10.925	10.915	10.950	VV	241	3253	0.04%	0.019%
159	11.008	10.950	11.044	VV	1514	25804	0.33%	0.153%
160	11.077	11.044	11.111	VV	2723	40147	0.51%	0.238%
161	11.122	11.111	11.145	VV	399	6656	0.08%	0.039%
162	11.148	11.145	11.215	VV	354	10768	0.14%	0.064%
163	11.231	11.215	11.281	VV	414	6693	0.08%	0.040%
164	11.292	11.281	11.306	VV	251	2111	0.03%	0.012%
165	11.314	11.306	11.322	VV	176	1102	0.01%	0.007%
166	11.329	11.322	11.345	VV	92	1184	0.01%	0.007%
167	11.379	11.345	11.447	VV	92186	1034889	13.07%	6.125%
168	11.462	11.447	11.510	VV	700	17967	0.23%	0.106%
169	11.545	11.510	11.585	VV	1148	24676	0.31%	0.146%
170	11.595	11.585	11.615	VV	242	3180	0.04%	0.019%
171	11.673	11.615	11.684	VV	382	12776	0.16%	0.076%
172	11.734	11.684	11.760	VV	874	28129	0.36%	0.166%
173	11.800	11.760	11.818	VV	599	15876	0.20%	0.094%
174	11.833	11.818	11.857	VV	453	8553	0.11%	0.051%
175	11.893	11.857	11.919	VV	495	14602	0.18%	0.086%
176	11.959	11.919	11.996	VV	1092	27821	0.35%	0.165%
177	12.034	11.996	12.058	VV	465	12837	0.16%	0.076%
178	12.067	12.058	12.075	VV	326	2724	0.03%	0.016%
179	12.083	12.075	12.093	VV	258	2546	0.03%	0.015%
180	12.147	12.093	12.162	VV	510	15205	0.19%	0.090%
181	12.190	12.162	12.204	VV	731	15021	0.19%	0.089%
182	12.244	12.204	12.291	VV	1628	36107	0.46%	0.214%
183	12.321	12.291	12.351	VV	1889	27440	0.35%	0.162%
184	12.381	12.351	12.426	VV	3673	51365	0.65%	0.304%
185	12.445	12.426	12.475	VV	467	9503	0.12%	0.056%
186	12.489	12.475	12.513	VV	314	5196	0.07%	0.031%
187	12.520	12.513	12.536	VV	193	1932	0.02%	0.011%
188	12.550	12.536	12.566	VV	157	2023	0.03%	0.012%
189	12.578	12.566	12.589	VV	163	1240	0.02%	0.007%
190	12.633	12.589	12.640	PV	213	3346	0.04%	0.020%
191	12.673	12.640	12.690	VV	313	6234	0.08%	0.037%
192	12.705	12.690	12.723	VV	261	3430	0.04%	0.020%
193	12.751	12.723	12.781	VV	364	9142	0.12%	0.054%
194	12.826	12.781	12.975	VV	641624	7915886	100.00%	46.851%

195	12.986	12.975	13.025	VV	803	20273	0.26%	0.120%
196	13.054	13.025	13.090	VV	801	22255	0.28%	0.132%
197	13.104	13.090	13.131	VV	487	10723	0.14%	0.063%
198	13.136	13.131	13.151	VV	455	4656	0.06%	0.028%
199	13.157	13.151	13.166	VV	368	3006	0.04%	0.018%
200	13.195	13.166	13.225	VV	511	15338	0.19%	0.091%
201	13.271	13.225	13.311	VV	693	23654	0.30%	0.140%
202	13.316	13.311	13.349	VV	334	6032	0.08%	0.036%
203	13.372	13.349	13.388	VV	291	6133	0.08%	0.036%
204	13.432	13.388	13.468	VV	450	15907	0.20%	0.094%
205	13.525	13.468	13.551	VV	1787	34479	0.44%	0.204%
206	13.577	13.551	13.678	VV	3401	56686	0.72%	0.336%
207	13.695	13.678	13.745	VV	170	4213	0.05%	0.025%
208	13.815	13.771	13.834	VV	240	6555	0.08%	0.039%
209	13.844	13.834	13.856	VV	188	2273	0.03%	0.013%
210	13.873	13.856	13.897	VV	279	3985	0.05%	0.024%
211	13.915	13.897	13.930	VV	263	2962	0.04%	0.018%
212	13.954	13.930	13.968	VV	189	2984	0.04%	0.018%
213	14.016	13.968	14.121	VV	1359	39261	0.50%	0.232%
214	14.138	14.121	14.174	VV	339	6998	0.09%	0.041%
215	14.276	14.174	14.295	VV	335	16009	0.20%	0.095%
216	14.308	14.295	14.338	VV	281	5809	0.07%	0.034%
217	14.342	14.338	14.373	VV	283	4242	0.05%	0.025%
218	14.390	14.373	14.406	VV	294	3956	0.05%	0.023%
219	14.442	14.406	14.466	VV	394	10002	0.13%	0.059%
220	14.487	14.466	14.511	VV	366	6903	0.09%	0.041%
221	14.519	14.511	14.587	VV	177	5772	0.07%	0.034%
222	14.635	14.587	14.658	VV	1415	24850	0.31%	0.147%
223	14.678	14.658	14.800	VV	2537	48923	0.62%	0.290%
224	14.812	14.800	14.817	PV	57	288	0.00%	0.002%
225	14.855	14.817	14.920	VV	183	5667	0.07%	0.034%
226	14.930	14.920	14.988	VV	135	2647	0.03%	0.016%
227	15.002	14.988	15.010	VV	67	775	0.01%	0.005%
228	15.036	15.010	15.044	VV	101	1488	0.02%	0.009%
229	15.060	15.044	15.079	VV	180	2421	0.03%	0.014%
230	15.094	15.079	15.121	VV	173	3415	0.04%	0.020%
231	15.165	15.121	15.181	VV	205	5065	0.06%	0.030%
232	15.204	15.181	15.276	VV	506	13794	0.17%	0.082%
233	15.297	15.276	15.311	VV	168	2204	0.03%	0.013%
234	15.336	15.311	15.360	VV	271	4905	0.06%	0.029%
235	15.373	15.360	15.405	VV	268	4900	0.06%	0.029%
236	15.433	15.405	15.454	VV	236	4876	0.06%	0.029%
237	15.506	15.454	15.528	VV	285	8680	0.11%	0.051%
238	15.552	15.528	15.568	VV	280	5178	0.07%	0.031%
239	15.580	15.568	15.621	VV	262	4819	0.06%	0.029%
240	15.658	15.621	15.674	VV	1075	17611	0.22%	0.104%
241	15.697	15.674	15.830	VV	2077	46474	0.59%	0.275%
242	15.839	15.830	15.846	VV	133	704	0.01%	0.004%
243	15.871	15.846	15.915	VV	155	3671	0.05%	0.022%
244	15.921	15.915	15.931	VV	75	533	0.01%	0.003%
245	15.935	15.931	15.958	VV	132	888	0.01%	0.005%
246	15.981	15.958	15.995	VV	132	1745	0.02%	0.010%

247	16.007	15.995	16.027	VV	128	1575	0.02%	0.009%
248	16.057	16.027	16.071	VV	157	2253	0.03%	0.013%
249	16.080	16.071	16.101	PV	97	1362	0.02%	0.008%
250	16.115	16.101	16.132	VV	115	1243	0.02%	0.007%
251	16.184	16.132	16.234	VV	390	9566	0.12%	0.057%
252	16.256	16.234	16.292	VV	261	5380	0.07%	0.032%
253	16.354	16.292	16.366	VV	277	6611	0.08%	0.039%
254	16.372	16.366	16.381	VV	250	1784	0.02%	0.011%
255	16.395	16.381	16.409	VV	266	3605	0.05%	0.021%
256	16.417	16.409	16.431	VV	181	2018	0.03%	0.012%
257	16.446	16.431	16.461	VV	176	2456	0.03%	0.015%
258	16.478	16.461	16.521	VV	168	4338	0.05%	0.026%
259	16.545	16.521	16.556	VV	181	2939	0.04%	0.017%
260	16.566	16.556	16.578	VV	166	2006	0.03%	0.012%
261	16.612	16.578	16.623	VV	903	14231	0.18%	0.084%
262	16.645	16.623	16.678	VV	1858	33238	0.42%	0.197%
263	16.683	16.678	16.711	VV	336	5000	0.06%	0.030%
264	16.720	16.711	16.735	VV	234	2468	0.03%	0.015%
265	16.904	16.735	16.919	VV	213	15163	0.19%	0.090%
266	16.961	16.919	17.002	VV	304	10168	0.13%	0.060%
267	17.031	17.002	17.066	VV	294	8021	0.10%	0.047%
268	17.096	17.066	17.128	VV	961	17101	0.22%	0.101%
269	17.152	17.128	17.171	VV	247	5394	0.07%	0.032%
270	17.195	17.171	17.231	VV	268	6953	0.09%	0.041%
271	17.242	17.231	17.260	VV	196	2996	0.04%	0.018%
272	17.307	17.260	17.318	VV	208	6434	0.08%	0.038%
273	17.340	17.318	17.368	VV	291	5964	0.08%	0.035%
274	17.386	17.368	17.445	VV	214	6429	0.08%	0.038%
275	17.531	17.445	17.628	VV	2132	55920	0.71%	0.331%
276	17.678	17.628	17.698	VV	200	5765	0.07%	0.034%
277	17.702	17.698	17.723	VV	157	1570	0.02%	0.009%
278	17.737	17.723	17.745	VV	119	895	0.01%	0.005%
279	17.773	17.745	17.791	PV	96	2177	0.03%	0.013%
280	17.799	17.791	17.824	VV	114	1507	0.02%	0.009%
281	17.832	17.824	17.842	VV	160	891	0.01%	0.005%
282	17.953	17.842	18.018	VV	1080	21718	0.27%	0.129%
283	18.079	18.018	18.091	VV	100	2386	0.03%	0.014%
284	18.102	18.091	18.111	VV	101	596	0.01%	0.004%
285	18.119	18.111	18.128	VV	39	402	0.01%	0.002%
286	18.212	18.128	18.237	VV	148	5238	0.07%	0.031%
287	18.361	18.237	18.421	VV	2203	47049	0.59%	0.278%
288	18.619	18.421	18.708	PV	93	11246	0.14%	0.067%
289	18.758	18.708	18.808	PV	1052	19238	0.24%	0.114%
290	19.006	18.808	19.019	VV	248	15097	0.19%	0.089%
291	19.143	19.019	19.246	VV	1659	54855	0.69%	0.325%
292	19.381	19.246	19.407	VV	298	16123	0.20%	0.095%
293	19.431	19.407	19.475	VV	301	8281	0.10%	0.049%
294	19.519	19.475	19.558	VV	791	19583	0.25%	0.116%
295	19.777	19.558	19.831	VV	1668	95849	1.21%	0.567%
296	19.883	19.831	19.920	VV	1883	63677	0.80%	0.377%
297	20.239	19.920	20.277	VV	1787	256890	3.25%	1.520%
298	20.414	20.277	20.465	VV	2300	205169	2.59%	1.214%
299	20.591	20.465	20.645	VV	2734	233961	2.96%	1.385%

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300	20.686	20.645	20.732	VV	2125	106777	1.35%	0.632%
301	20.788	20.732	20.815	VV	1930	94170	1.19%	0.557%
302	20.913	20.815	20.958	VV	1859	154148	1.95%	0.912%
303	20.996	20.958	21.043	VV	1765	84426	1.07%	0.500%
304	21.078	21.043	21.103	VV	1546	54067	0.68%	0.320%
305	21.227	21.103	21.324	VV	1508	188637	2.38%	1.116%
306	21.435	21.324	21.501	VV	1530	132912	1.68%	0.787%
307	21.519	21.501	21.571	VV	1081	42141	0.53%	0.249%
308	21.683	21.571	21.771	VV	866	99211	1.25%	0.587%
309	21.786	21.771	21.825	VV	652	18978	0.24%	0.112%
310	21.849	21.825	21.878	VV	583	15753	0.20%	0.093%
311	21.930	21.878	21.981	VV	448	24318	0.31%	0.144%
312	22.026	21.981	22.068	VV	259	12721	0.16%	0.075%
313	22.076	22.068	22.161	VV	239	6235	0.08%	0.037%

Sum of corrected areas: 16895911

Aliphatic EPH 032625.M Wed Apr 02 03:37:11 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-008-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-22		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015608.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.7	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	25.7	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	66.2		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.5		40 - 140	107%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	46.2		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	115%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-22	Acq On:	01 Apr 2025 22:22
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP\AJ
Data file:	FG015608.D	Misc:	
Instrument:	FID_G	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1188846	8.872	200	ug/ml
Aromatic C12-C16	6.330	9.035	1765512	12.873	300	ug/ml
Aromatic C16-C21	9.036	13.365	4611667	33.08	500	ug/ml
Aromatic C21-C36	13.366	18.829	1186289	9.112	800	ug/ml
Aromatic EPH	4.450	18.829	8752314	63.936		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	8349751	57.26		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6537204	53.52		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	3818986	46.2		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015608.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:22
Operator : YP\AJ
Sample : Q1664-22
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01

Integration File: autoint1.e
Quant Time: Apr 02 01:19:23 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...	7.961	6537204	53.516 ug/ml
Spiked Amount 50.000		Recovery = 107.03%	
6) S 2-Flurobiphenyl (SURR)	8.838	3818986	46.203 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 92.41%	
11) S ortho-Terphenyl (SURR)	11.914	8349751	57.257 ug/ml
Spiked Amount 50.000		Recovery = 114.51%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

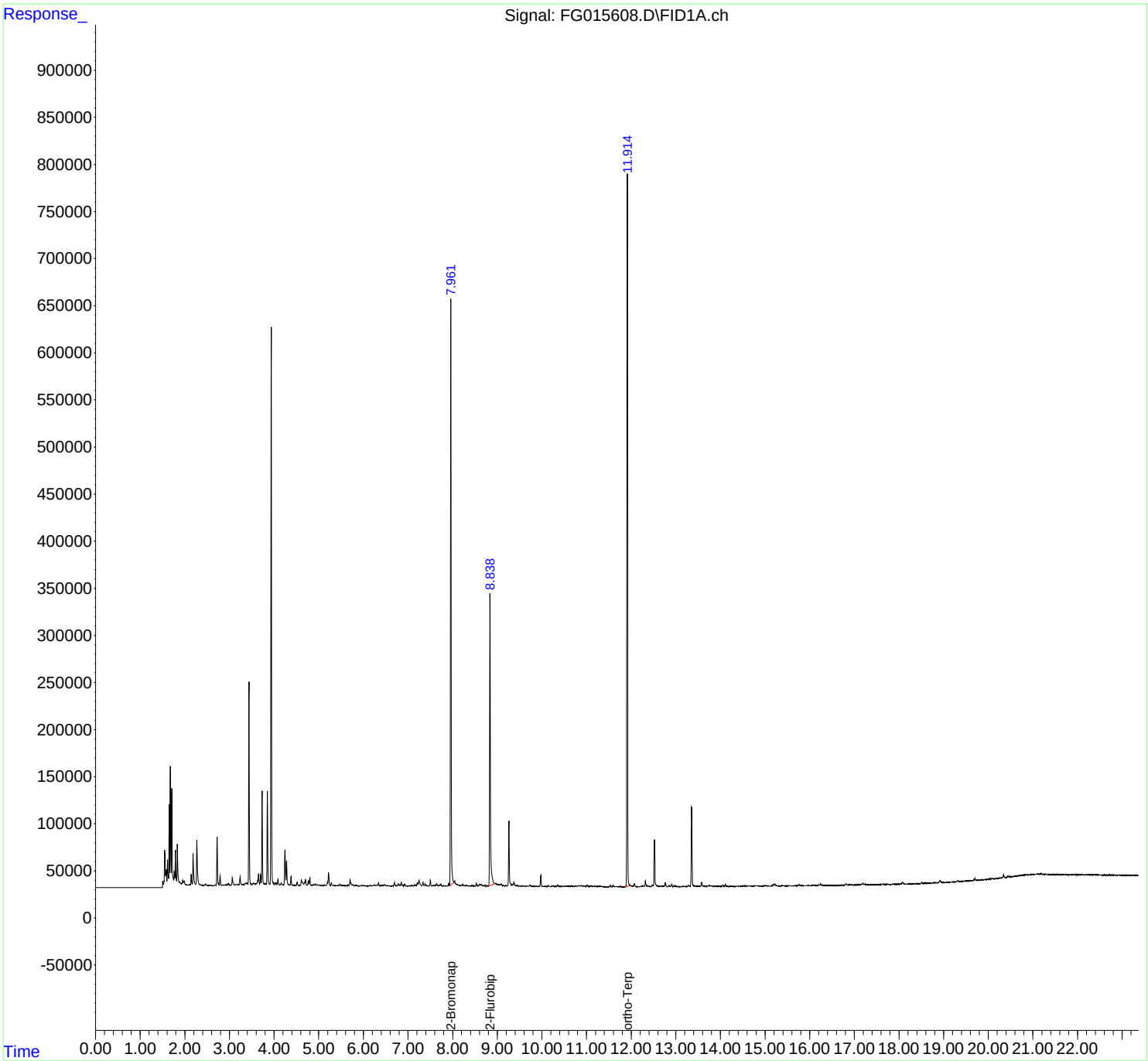
Quantitation Report (QT Reviewed)

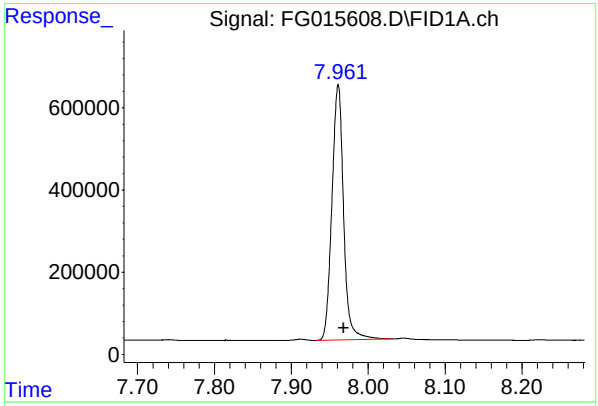
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015608.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:22
Operator : YP\AJ
Sample : Q1664-22
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01

Integration File: autoint1.e
Quant Time: Apr 02 01:19:23 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

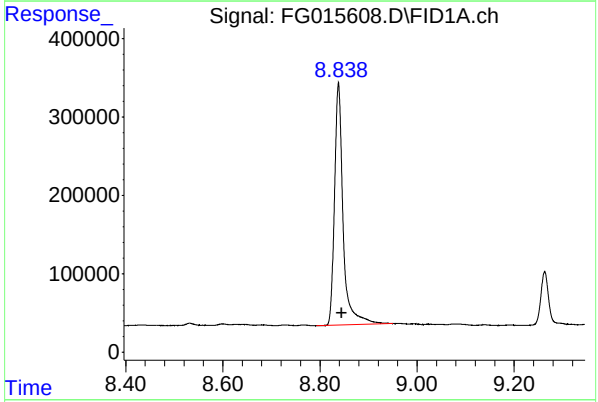




#4 2-Bromonaphthalene (SURR)

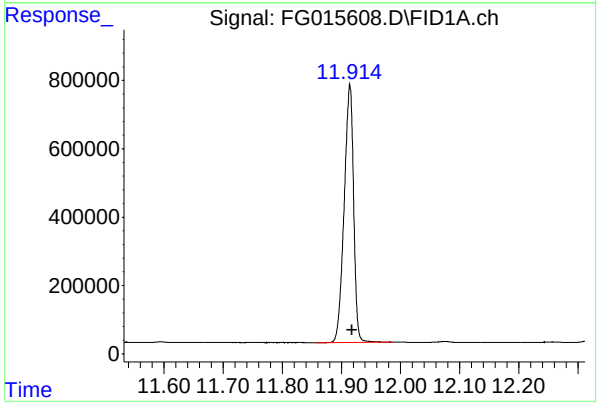
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 6537204
Conc: 53.52 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-008-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 3818986
Conc: 46.20 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.004 min
Response: 8349751
Conc: 57.26 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015608.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:22
Sample : Q1664-22
Misc :
ALS Vial : 36 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	4.330	4.324	4.358	PV	193	1479	0.02%	0.005%
2	4.380	4.358	4.445	PV	9559	97058	1.15%	0.346%
3	4.460	4.445	4.490	VV	416	4142	0.05%	0.015%
4	4.516	4.490	4.542	PV	3573	39697	0.47%	0.142%
5	4.555	4.542	4.575	VV	368	4013	0.05%	0.014%
6	4.611	4.575	4.633	VV	6037	89644	1.06%	0.320%
7	4.641	4.633	4.665	VV	3384	46193	0.55%	0.165%
8	4.704	4.665	4.731	VV	6232	116294	1.37%	0.415%
9	4.740	4.731	4.749	VV	721	6994	0.08%	0.025%
10	4.768	4.749	4.783	VV	5233	60120	0.71%	0.214%
11	4.801	4.783	4.852	VV	8523	104581	1.24%	0.373%
12	4.884	4.852	4.900	VV	1645	22035	0.26%	0.079%
13	4.929	4.900	4.958	VV	1534	31220	0.37%	0.111%
14	4.976	4.958	4.995	VV	1104	15745	0.19%	0.056%
15	5.012	4.995	5.058	VV	945	15690	0.19%	0.056%
16	5.071	5.058	5.086	VV	242	3029	0.04%	0.011%
17	5.104	5.086	5.112	VV	251	3299	0.04%	0.012%
18	5.131	5.112	5.167	VV	864	17139	0.20%	0.061%
19	5.196	5.167	5.204	VV	3691	38719	0.46%	0.138%
20	5.222	5.204	5.262	VV	13863	185324	2.19%	0.661%
21	5.284	5.262	5.333	VV	3056	46396	0.55%	0.166%
22	5.338	5.333	5.340	VV	345	1187	0.01%	0.004%
23	5.344	5.340	5.382	VV	441	7257	0.09%	0.026%
24	5.429	5.411	5.449	VV	893	10061	0.12%	0.036%
25	5.473	5.449	5.510	VV	1840	32928	0.39%	0.117%
26	5.523	5.510	5.556	VV	434	8344	0.10%	0.030%
27	5.560	5.556	5.574	VV	204	2009	0.02%	0.007%
28	5.576	5.574	5.587	VV	222	1343	0.02%	0.005%
29	5.592	5.587	5.605	VV	277	1948	0.02%	0.007%
30	5.620	5.605	5.640	VV	493	5332	0.06%	0.019%
31	5.661	5.640	5.683	PV	1434	19598	0.23%	0.070%
32	5.704	5.683	5.752	VV	6637	105449	1.25%	0.376%
33	5.765	5.752	5.792	VV	1637	19203	0.23%	0.069%
34	5.835	5.792	5.884	VV	788	24850	0.29%	0.089%
35	5.925	5.902	5.943	PV	471	6024	0.07%	0.021%
36	5.971	5.943	6.000	VV	846	12951	0.15%	0.046%

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37	6.033	6.000	6.044	VV	390	7757	0.09%	0.028%
38	6.047	6.044	6.079	VV	390	3859	0.05%	0.014%
39	6.091	6.079	6.112	PV	119	1202	0.01%	0.004%
40	6.158	6.112	6.170	VV	368	8123	0.10%	0.029%
41	6.178	6.170	6.188	VV	377	3384	0.04%	0.012%
42	6.194	6.188	6.205	VV	341	2855	0.03%	0.010%
43	6.211	6.205	6.213	VV	299	1298	0.02%	0.005%
44	6.244	6.213	6.275	VV	1120	27450	0.32%	0.098%
45	6.296	6.275	6.322	VV	1564	24160	0.29%	0.086%
46	6.341	6.322	6.374	VV	3623	49169	0.58%	0.175%
47	6.406	6.374	6.439	VV	976	22903	0.27%	0.082%
48	6.479	6.439	6.534	VV	1446	38018	0.45%	0.136%
49	6.549	6.534	6.561	VV	455	6118	0.07%	0.022%
50	6.566	6.561	6.580	VV	382	3771	0.04%	0.013%
51	6.583	6.580	6.590	VV	308	1649	0.02%	0.006%
52	6.607	6.590	6.615	VV	307	4260	0.05%	0.015%
53	6.624	6.615	6.629	VV	327	2364	0.03%	0.008%
54	6.632	6.629	6.642	VV	288	1667	0.02%	0.006%
55	6.653	6.642	6.673	VV	318	4927	0.06%	0.018%
56	6.696	6.673	6.722	VV	3264	43957	0.52%	0.157%
57	6.730	6.722	6.752	VV	582	8953	0.11%	0.032%
58	6.785	6.752	6.805	VV	2700	39575	0.47%	0.141%
59	6.819	6.805	6.833	VV	1500	17525	0.21%	0.063%
60	6.851	6.833	6.872	VV	4506	52730	0.62%	0.188%
61	6.885	6.872	6.905	VV	1441	17168	0.20%	0.061%
62	6.925	6.905	6.944	VV	2487	28166	0.33%	0.100%
63	6.954	6.944	6.972	VV	707	8686	0.10%	0.031%
64	6.980	6.972	6.997	VV	400	4872	0.06%	0.017%
65	7.032	6.997	7.055	VV	653	14595	0.17%	0.052%
66	7.080	7.055	7.129	VV	901	24394	0.29%	0.087%
67	7.152	7.129	7.169	VV	1948	24765	0.29%	0.088%
68	7.175	7.169	7.186	VV	840	7243	0.09%	0.026%
69	7.209	7.186	7.225	VV	3450	50130	0.59%	0.179%
70	7.248	7.225	7.305	VV	6386	137402	1.62%	0.490%
71	7.337	7.305	7.360	VV	4303	65889	0.78%	0.235%
72	7.384	7.360	7.408	VV	2796	40747	0.48%	0.145%
73	7.417	7.408	7.434	VV	731	9556	0.11%	0.034%
74	7.443	7.434	7.465	VV	799	9925	0.12%	0.035%
75	7.502	7.465	7.541	VV	6405	83342	0.99%	0.297%
76	7.564	7.541	7.596	VV	1292	26530	0.31%	0.095%
77	7.612	7.596	7.626	VV	1669	18788	0.22%	0.067%
78	7.647	7.626	7.669	VV	2717	40889	0.48%	0.146%
79	7.683	7.669	7.692	VV	1079	12478	0.15%	0.045%
80	7.711	7.692	7.725	VV	1551	23070	0.27%	0.082%
81	7.740	7.725	7.779	VV	2314	31841	0.38%	0.114%
82	7.816	7.779	7.840	VV	814	21626	0.26%	0.077%
83	7.852	7.840	7.879	VV	614	12287	0.15%	0.044%
84	7.883	7.879	7.892	VV	562	4064	0.05%	0.015%
85	7.912	7.892	7.931	VV	3347	39445	0.47%	0.141%
86	7.961	7.931	8.032	VV	622064	6674978	78.90%	23.814%
87	8.046	8.032	8.095	VV	5950	132686	1.57%	0.473%
88	8.103	8.095	8.166	VV	2127	62607	0.74%	0.223%
89	8.179	8.166	8.199	VV	1303	20214	0.24%	0.072%

90	8.225	8.199	8.241	VV	2377	35581	0.42%	0.127%
91	8.251	8.241	8.275	VV	1269	22338	0.26%	0.080%
92	8.279	8.275	8.294	VV	1060	10413	0.12%	0.037%
93	8.316	8.294	8.349	VV	1331	30525	0.36%	0.109%
94	8.355	8.349	8.400	VV	740	16079	0.19%	0.057%
95	8.434	8.400	8.481	VV	1101	35305	0.42%	0.126%
96	8.485	8.481	8.494	VV	499	3535	0.04%	0.013%
97	8.532	8.494	8.554	VV	3500	53247	0.63%	0.190%
98	8.558	8.554	8.577	VV	976	10984	0.13%	0.039%
99	8.600	8.577	8.615	VV	2613	38726	0.46%	0.138%
100	8.625	8.615	8.637	VV	1897	23285	0.28%	0.083%
101	8.647	8.637	8.667	VV	1860	26241	0.31%	0.094%
102	8.681	8.667	8.709	VV	1365	23909	0.28%	0.085%
103	8.728	8.709	8.748	VV	1289	20062	0.24%	0.072%
104	8.767	8.748	8.793	VV	1332	19068	0.23%	0.068%
105	8.838	8.793	8.955	VV	310828	3984752	47.10%	14.216%
106	8.963	8.955	8.982	VV	3284	47835	0.57%	0.171%
107	8.993	8.982	9.011	VV	2803	42734	0.51%	0.152%
108	9.027	9.011	9.038	VV	2315	34654	0.41%	0.124%
109	9.048	9.038	9.059	VV	2165	25470	0.30%	0.091%
110	9.078	9.059	9.119	VV	2589	69668	0.82%	0.249%
111	9.141	9.119	9.169	VV	1587	32254	0.38%	0.115%
112	9.191	9.169	9.219	VV	1312	29329	0.35%	0.105%
113	9.223	9.219	9.225	VV	900	3509	0.04%	0.013%
114	9.263	9.225	9.332	VV	69303	848768	10.03%	3.028%
115	9.377	9.332	9.412	VV	4627	116700	1.38%	0.416%
116	9.424	9.412	9.432	VV	1114	12630	0.15%	0.045%
117	9.449	9.432	9.477	VV	1736	28691	0.34%	0.102%
118	9.501	9.477	9.526	VV	1013	19320	0.23%	0.069%
119	9.547	9.526	9.565	VV	803	14324	0.17%	0.051%
120	9.583	9.565	9.623	VV	911	21231	0.25%	0.076%
121	9.650	9.623	9.695	VV	1044	28518	0.34%	0.102%
122	9.699	9.695	9.705	VV	377	2283	0.03%	0.008%
123	9.729	9.705	9.776	VV	1860	39294	0.46%	0.140%
124	9.780	9.776	9.784	VV	410	1869	0.02%	0.007%
125	9.810	9.784	9.853	VV	709	19889	0.24%	0.071%
126	9.873	9.853	9.902	VV	1116	16100	0.19%	0.057%
127	9.937	9.902	9.949	VV	572	10932	0.13%	0.039%
128	9.978	9.949	10.009	VV	12321	146040	1.73%	0.521%
129	10.016	10.009	10.035	VV	300	3869	0.05%	0.014%
130	10.068	10.035	10.119	VV	731	21617	0.26%	0.077%
131	10.146	10.119	10.192	VV	1881	29339	0.35%	0.105%
132	10.220	10.192	10.285	VV	913	34149	0.40%	0.122%
133	10.290	10.285	10.304	VV	468	4491	0.05%	0.016%
134	10.318	10.304	10.329	VV	565	6980	0.08%	0.025%
135	10.351	10.329	10.412	VV	1792	38908	0.46%	0.139%
136	10.426	10.412	10.438	VV	561	6598	0.08%	0.024%
137	10.470	10.438	10.484	VV	900	16578	0.20%	0.059%
138	10.518	10.484	10.526	VV	600	13098	0.15%	0.047%
139	10.542	10.526	10.558	VV	884	13963	0.17%	0.050%
140	10.575	10.558	10.596	VV	1057	18249	0.22%	0.065%
141	10.627	10.596	10.646	VV	800	19754	0.23%	0.070%

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142	10.664	10.646	10.692	VV	1621	24577	0.29%	0.088%
143	10.696	10.692	10.717	VV	493	6397	0.08%	0.023%
144	10.747	10.717	10.763	VV	1042	19899	0.24%	0.071%
145	10.775	10.763	10.799	VV	1011	17829	0.21%	0.064%
146	10.820	10.799	10.850	VV	1462	34474	0.41%	0.123%
147	10.887	10.850	10.930	VV	1686	56944	0.67%	0.203%
148	10.943	10.930	10.959	VV	1096	15251	0.18%	0.054%
149	10.970	10.959	10.987	VV	787	11337	0.13%	0.040%
150	11.017	10.987	11.038	VV	2308	41504	0.49%	0.148%
151	11.041	11.038	11.054	VV	646	5969	0.07%	0.021%
152	11.105	11.054	11.156	VV	1505	48778	0.58%	0.174%
153	11.189	11.156	11.194	VV	920	15897	0.19%	0.057%
154	11.206	11.194	11.244	VV	1004	22859	0.27%	0.082%
155	11.255	11.244	11.262	VV	663	6252	0.07%	0.022%
156	11.264	11.262	11.270	VV	591	2287	0.03%	0.008%
157	11.286	11.270	11.295	VV	705	9012	0.11%	0.032%
158	11.317	11.295	11.335	VV	1372	21798	0.26%	0.078%
159	11.343	11.335	11.370	VV	765	10700	0.13%	0.038%
160	11.381	11.370	11.435	VV	433	10528	0.12%	0.038%
161	11.467	11.440	11.493	VV	313	6095	0.07%	0.022%
162	11.526	11.493	11.551	VV	1677	26013	0.31%	0.093%
163	11.595	11.551	11.627	VV	2222	38620	0.46%	0.138%
164	11.642	11.627	11.651	VV	643	6557	0.08%	0.023%
165	11.654	11.651	11.674	VV	522	6933	0.08%	0.025%
166	11.679	11.674	11.685	VV	511	3314	0.04%	0.012%
167	11.691	11.685	11.716	VV	564	7556	0.09%	0.027%
168	11.723	11.716	11.732	VV	283	2247	0.03%	0.008%
169	11.753	11.732	11.774	VV	996	13052	0.15%	0.047%
170	11.807	11.774	11.857	VV	347	10867	0.13%	0.039%
171	11.914	11.857	12.044	PV	756439	8460106	100.00%	30.183%
172	12.075	12.044	12.135	VV	3427	68676	0.81%	0.245%
173	12.152	12.135	12.182	VV	553	12991	0.15%	0.046%
174	12.191	12.182	12.204	VV	537	6446	0.08%	0.023%
175	12.258	12.204	12.292	VV	2012	53455	0.63%	0.191%
176	12.320	12.292	12.345	VV	6848	97972	1.16%	0.350%
177	12.360	12.345	12.384	VV	1794	27519	0.33%	0.098%
178	12.400	12.384	12.414	VV	753	11062	0.13%	0.039%
179	12.421	12.414	12.441	VV	688	8903	0.11%	0.032%
180	12.476	12.441	12.495	VV	1996	44137	0.52%	0.157%
181	12.522	12.495	12.620	VV	49824	674798	7.98%	2.407%
182	12.640	12.620	12.654	VV	875	16173	0.19%	0.058%
183	12.680	12.654	12.702	VV	936	23659	0.28%	0.084%
184	12.767	12.702	12.822	VV	4625	95551	1.13%	0.341%
185	12.847	12.822	12.885	VV	1622	31074	0.37%	0.111%
186	12.908	12.885	12.943	VV	2915	43023	0.51%	0.153%
187	12.973	12.943	13.006	VV	1726	32651	0.39%	0.116%
188	13.019	13.006	13.070	VV	485	11963	0.14%	0.043%
189	13.078	13.070	13.119	VV	146	2505	0.03%	0.009%
190	13.190	13.133	13.213	VV	573	16552	0.20%	0.059%
191	13.231	13.213	13.250	VV	436	7197	0.09%	0.026%
192	13.281	13.250	13.322	VV	1696	39747	0.47%	0.142%
193	13.353	13.322	13.447	VV	83085	1067655	12.62%	3.809%
194	13.451	13.447	13.500	VV	697	19720	0.23%	0.070%

195	13.518	13.500	13.555	VV	696	19255	0.23%	0.069%
196	13.578	13.555	13.618	VV	4576	72089	0.85%	0.257%
197	13.641	13.618	13.698	VV	618	21197	0.25%	0.076%
198	13.755	13.698	13.774	VV	1610	38724	0.46%	0.138%
199	13.791	13.774	13.835	VV	917	28089	0.33%	0.100%
200	13.860	13.835	13.886	VV	462	10970	0.13%	0.039%
201	13.903	13.886	13.917	VV	498	7875	0.09%	0.028%
202	13.928	13.917	13.943	VV	545	6407	0.08%	0.023%
203	13.976	13.943	14.000	VV	614	15928	0.19%	0.057%
204	14.057	14.000	14.090	VV	1730	36959	0.44%	0.132%
205	14.110	14.090	14.154	VV	2553	37261	0.44%	0.133%
206	14.166	14.154	14.186	VV	266	3775	0.04%	0.013%
207	14.210	14.186	14.300	VV	303	7818	0.09%	0.028%
208	14.332	14.300	14.346	PV	269	4589	0.05%	0.016%
209	14.362	14.346	14.393	VV	230	5108	0.06%	0.018%
210	14.405	14.393	14.423	VV	286	3219	0.04%	0.011%
211	14.446	14.423	14.468	VV	245	4985	0.06%	0.018%
212	14.521	14.468	14.530	VV	520	11733	0.14%	0.042%
213	14.551	14.530	14.584	VV	762	17136	0.20%	0.061%
214	14.592	14.584	14.629	VV	338	9756	0.12%	0.035%
215	14.640	14.629	14.656	VV	395	4917	0.06%	0.018%
216	14.672	14.656	14.724	VV	441	11290	0.13%	0.040%
217	14.733	14.724	14.745	VV	265	3145	0.04%	0.011%
218	14.770	14.745	14.780	VV	616	9190	0.11%	0.033%
219	14.785	14.780	14.800	VV	600	6229	0.07%	0.022%
220	14.829	14.800	14.860	VV	642	18844	0.22%	0.067%
221	14.864	14.860	14.905	VV	527	10598	0.13%	0.038%
222	14.929	14.905	14.956	VV	468	11594	0.14%	0.041%
223	14.989	14.956	15.015	VV	567	17142	0.20%	0.061%
224	15.024	15.015	15.045	VV	560	8260	0.10%	0.029%
225	15.059	15.045	15.120	VV	494	11773	0.14%	0.042%
226	15.174	15.120	15.190	VV	1552	26858	0.32%	0.096%
227	15.216	15.190	15.322	VV	2593	65010	0.77%	0.232%
228	15.333	15.322	15.360	VV	255	3601	0.04%	0.013%
229	15.382	15.360	15.396	VV	367	5685	0.07%	0.020%
230	15.412	15.396	15.502	VV	572	14127	0.17%	0.050%
231	15.526	15.502	15.546	VV	351	5991	0.07%	0.021%
232	15.557	15.546	15.572	VV	210	2518	0.03%	0.009%
233	15.577	15.572	15.595	VV	194	2035	0.02%	0.007%
234	15.604	15.595	15.617	VV	222	1941	0.02%	0.007%
235	15.645	15.617	15.665	VV	324	5625	0.07%	0.020%
236	15.701	15.665	15.717	VV	298	7121	0.08%	0.025%
237	15.760	15.717	15.830	VV	1675	37914	0.45%	0.135%
238	15.833	15.830	15.849	VV	228	1733	0.02%	0.006%
239	15.864	15.849	15.909	VV	305	8883	0.10%	0.032%
240	15.918	15.909	15.936	VV	338	4295	0.05%	0.015%
241	15.960	15.936	15.998	VV	401	10770	0.13%	0.038%
242	16.062	15.998	16.082	VV	443	16097	0.19%	0.057%
243	16.097	16.082	16.180	VV	500	17047	0.20%	0.061%
244	16.203	16.180	16.221	VV	1162	18166	0.21%	0.065%
245	16.242	16.221	16.274	VV	1987	32246	0.38%	0.115%
246	16.289	16.274	16.365	VV	497	12951	0.15%	0.046%

rteres

247	16.379	16.365	16.479	VV	246	6280	0.07%	0.022%
248	16.491	16.479	16.532	VV	153	3057	0.04%	0.011%
249	16.538	16.532	16.570	VV	110	1682	0.02%	0.006%
250	16.591	16.570	16.615	PV	167	2736	0.03%	0.010%
251	16.623	16.615	16.637	VV	165	1450	0.02%	0.005%
252	16.660	16.637	16.680	VV	235	3808	0.05%	0.014%
253	16.723	16.680	16.765	VV	475	11732	0.14%	0.042%
254	16.812	16.765	16.858	VV	1907	38954	0.46%	0.139%
255	16.894	16.858	16.914	VV	696	16425	0.19%	0.059%
256	16.945	16.914	16.997	VV	532	20316	0.24%	0.072%
257	17.018	16.997	17.045	VV	328	7935	0.09%	0.028%
258	17.087	17.045	17.137	VV	526	18151	0.21%	0.065%
259	17.161	17.137	17.173	VV	1036	15803	0.19%	0.056%
260	17.194	17.173	17.224	VV	1862	31392	0.37%	0.112%
261	17.240	17.224	17.363	VV	815	23475	0.28%	0.084%
262	17.384	17.363	17.399	VV	231	1798	0.02%	0.006%
263	17.531	17.399	17.595	PV	284	13946	0.16%	0.050%
264	17.647	17.595	17.689	VV	734	15159	0.18%	0.054%
265	17.741	17.689	17.774	VV	377	11272	0.13%	0.040%
266	17.783	17.774	17.794	VV	225	1330	0.02%	0.005%
267	17.873	17.794	17.920	VV	325	12753	0.15%	0.045%
268	17.934	17.920	17.962	VV	251	4828	0.06%	0.017%
269	17.979	17.962	17.997	VV	217	2867	0.03%	0.010%
270	18.084	17.997	18.145	PV	2269	51090	0.60%	0.182%
271	18.262	18.145	18.291	VV	268	10286	0.12%	0.037%
272	18.360	18.291	18.383	PV	320	7133	0.08%	0.025%
273	18.399	18.383	18.430	VV	164	2131	0.03%	0.008%
274	18.507	18.430	18.540	PV	1447	21871	0.26%	0.078%
275	18.597	18.540	18.612	VV	515	11328	0.13%	0.040%
276	18.620	18.612	18.672	VV	388	7561	0.09%	0.027%
277	18.796	18.690	18.839	VV	394	11551	0.14%	0.041%
278	18.917	18.839	18.984	VV	2473	58499	0.69%	0.209%

Sum of corrected areas: 28029188

Aromatic EPH 031725.M Wed Apr 02 02:34:02 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167402TB			SDG No.:	Q1664
Lab Sample ID:	PB167402TB			Matrix:	water
Analytical Method:	NJEPH			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068471.D	1		04/01/25	FC040125AL

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167402TB	Acq On:	01 Apr 2025 17:22
Client Sample ID:	PB167402TB	Operator:	YP/AJ
Data file:	FC068471.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	0	0	300	ug/ml
Aliphatic C12-C16	6.360	9.742	0	0	200	ug/ml
Aliphatic C16-C21	9.743	13.096	0	0	300	ug/ml
Aliphatic C21-C28	13.097	16.749	0	0	400	ug/ml
Aliphatic C28-C40	16.750	21.544	0	0	600	ug/ml
Aliphatic EPH	3.097	21.544	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.825	12.825	4840636	32.47		ug/ml
Aliphatic C9-C28	3.097	16.749	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068471.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:22
Operator : YP/AJ
Sample : PB167402TB
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167402TB

Integration File: autoint1.e
Quant Time: Apr 02 02:59:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.825	4840636	32.471 ug/ml
Spiked Amount 50.000		Recovery = 64.94%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

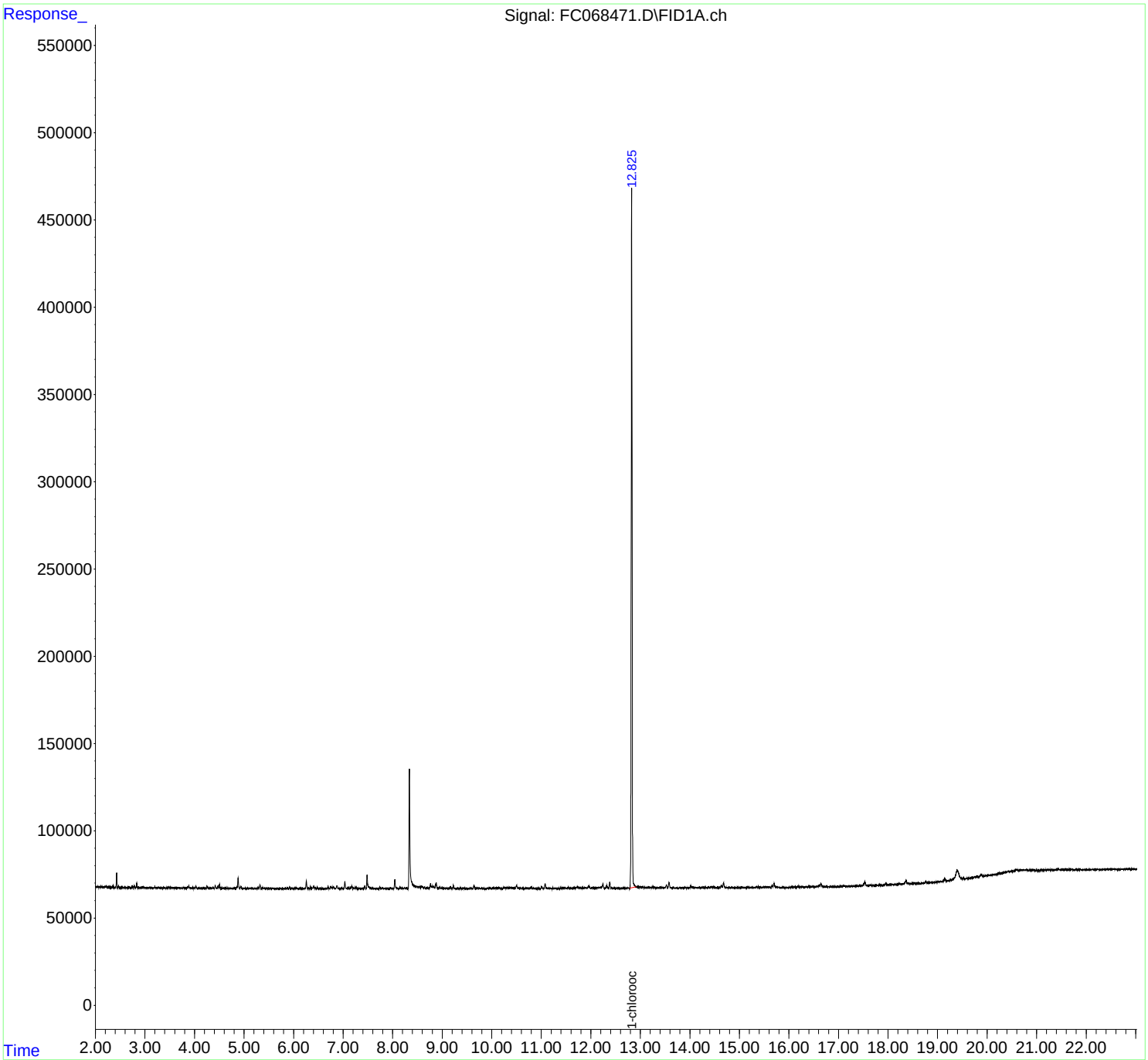
Quantitation Report (QT Reviewed)

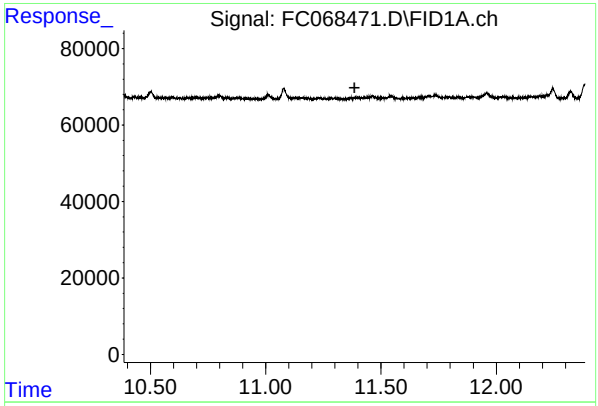
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068471.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:22
Operator : YP/AJ
Sample : PB167402TB
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167402TB

Integration File: autoint1.e
Quant Time: Apr 02 02:59:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

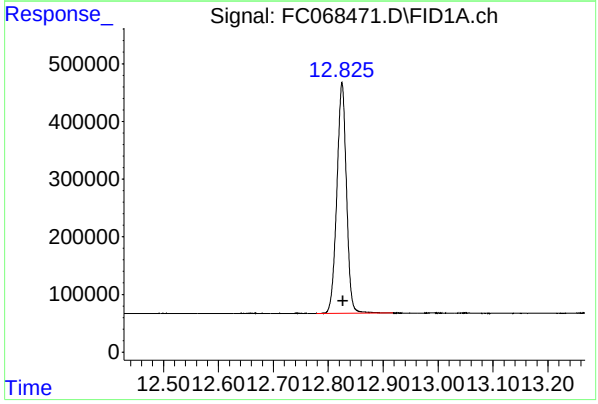




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB167402TB



#12 1-chlorooctadecane (SURR)

R.T.: 12.825 min
Delta R.T.: -0.002 min
Response: 4840636
Conc: 32.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068471.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:22
Sample : PB167402TB
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.825	12.778	12.918	BB	398426	4840636	100.00%	100.000%
			Sum of corrected areas:			4840636		

Aliphatic EPH 032625.M Wed Apr 02 03:29:52 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167402TB		SDG No.:	Q1664	
Lab Sample ID:	PB167402TB		Matrix:	water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015597.D	1		04/01/25	FG040125AR

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.07	U	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.26	U	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	8.27	U	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.2		40 - 140	88%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.9		40 - 140	76%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167402TB	Acq On:	01 Apr 2025 17:00
Client Sample ID:	PB167402TB	Operator:	YP\AJ
Data file:	FG015597.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.035	0	0	300	ug/ml
Aromatic C16-C21	9.036	13.365	0	0	500	ug/ml
Aromatic C21-C36	13.366	18.829	0	0	800	ug/ml
Aromatic EPH	4.450	18.829	0	0		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	5532463	37.94		ug/ml
2-Bromonaphthalene (SURR)	7.960	7.960	5395823	44.17		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	2684362	32.48		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015597.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:00
Operator : YP\AJ
Sample : PB167402TB
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167402TB

Integration File: autoint1.e
Quant Time: Apr 02 01:16:10 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...	7.960	5395823	44.172 ug/ml
Spiked Amount 50.000		Recovery =	88.34%
6) S 2-Flurobiphenyl (SURR)	8.838	2684362	32.476 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	64.95%
11) S ortho-Terphenyl (SURR)	11.912	5532463	37.938 ug/ml
Spiked Amount 50.000		Recovery =	75.88%
Target Compounds			

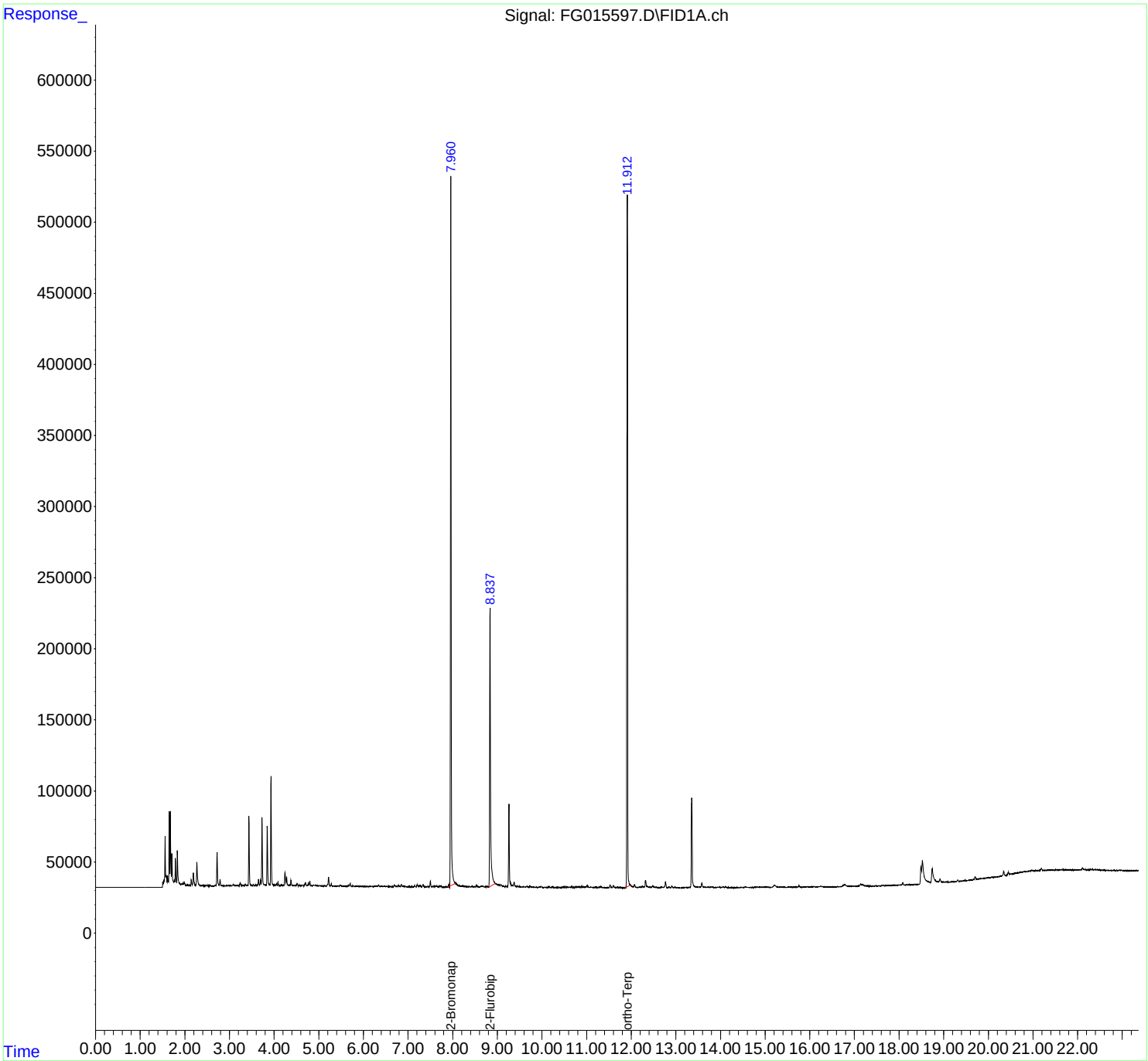
(f)=RT Delta > 1/2 Window (m)=manual int.

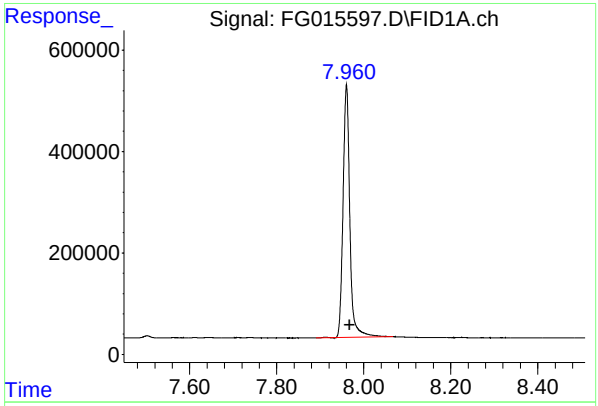
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015597.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:00
Operator : YP\AJ
Sample : PB167402TB
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167402TB

Integration File: autoint1.e
Quant Time: Apr 02 01:16:10 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

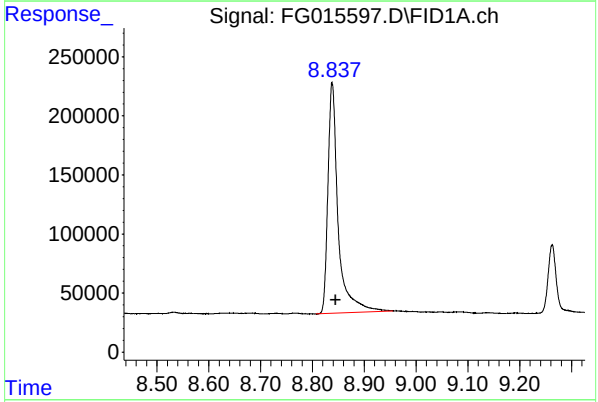




#4 2-Bromonaphthalene (SURR)

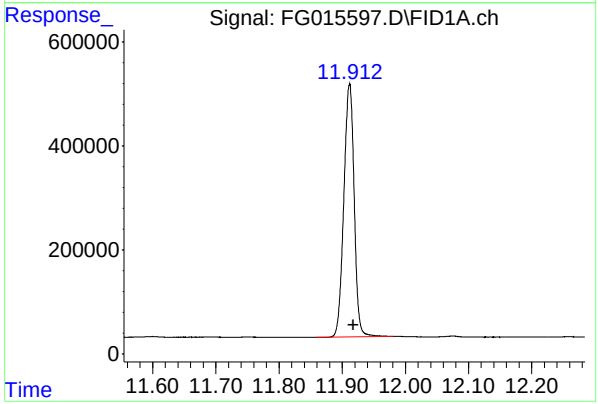
R.T.: 7.960 min
Delta R.T.: -0.008 min
Response: 5395823
Conc: 44.17 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167402TB



#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 2684362
Conc: 32.48 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.006 min
Response: 5532463
Conc: 37.94 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015597.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:00
Sample : PB167402TB
Misc :
ALS Vial : 25 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	7.960	7.890	8.067	BB	499190	5395823	97.53%	39.638%
2	8.838	8.807	8.955	BB	194137	2684362	48.52%	19.720%
3	11.912	11.859	11.980	BB	486898	5532463	100.00%	40.642%
			Sum of corrected areas:			13612647		

Aromatic EPH 031725.M Wed Apr 02 02:26:59 2025

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC032625AL

AreaCount

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	45086767.000	23957696.000	10109387.000	5032376.000	2480291.000	
Aliphatic C12-C16	31366027.000	16525288.000	7021727.000	3486717.000	1690088.000	
Aliphatic C16-C21	46215435.000	24301108.000	10733415.000	5433148.000	2722484.000	
Aliphatic C21-C28	57370908.000	30982953.000	13741558.000	7153138.000	3908195.000	
Aliphatic C28-C40	66709018.000	35774110.000	16746543.000	8713011.000	4969759.000	
Aliphatic EPH	246748155.000	131541155.000	58352630.000	29818390.000	15770817.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	162319.1159996	4.653				
Aliphatic C12-C16	168194.168	4.51				
Aliphatic C16-C21	171510.5906664	7.383				
Aliphatic C21-C28	168869.942	12.042				
Aliphatic C28-C40	136171.7476664	15.894				
Aliphatic EPH	157243.7616662	9.786				

Concentration

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.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	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	150289.223333	159717.973333	168489.783333	167745.866666	165352.733333	
Aliphatic C12-C16	156830.135000	165252.880000	175543.175000	174335.850000	169008.800000	
Aliphatic C16-C21	154051.450000	162007.386666	178890.250000	181104.933333	181498.933333	

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

Inital Calibration Report for SequenceID : FC032625AL

Aliphatic C21-C28	143427.270000	154914.765000	171769.475000	178828.450000	195409.750000	
Aliphatic C28-C40	111181.696666	119247.033333	139554.525000	145216.850000	165658.633333	
Aliphatic EPH	137082.308333	146156.838888	162090.638888	165657.722222	175231.300000	

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

Lab Sample ID:	100 PPM ALIPHATIC HC	Acq On:	26 Mar 2025 10:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068401.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	45086767.000	300.000	ug/ml
Aliphatic C12-C16	6.362	9.744	31366027.000	200.000	ug/ml
Aliphatic C16-C21	9.745	13.097	46215435.000	300.000	ug/ml
Aliphatic C21-C28	13.098	16.748	57370908.000	400.000	ug/ml
Aliphatic C28-C40	16.749	21.545	66709018.000	600.000	ug/ml
Aliphatic EPH	3.099		246748155.000	1800.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 26 13:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.397	18022152	87.143 ug/ml
Spiked Amount	50.000		Recovery =	174.29%
12) S	1-chlorooctadecane (S...	12.835	13391425	85.929 ug/ml
Spiked Amount	50.000		Recovery =	171.86%
	Target Compounds			
1) T	n-Nonane (C9)	3.203	14755216	88.977 ug/ml
2) T	n-Decane (C10)	4.260	15026852	89.124 ug/ml
3) T	A~Naphthalene (C11.7)	5.825	16689744	90.339 ug/ml
4) T	n-Dodecane (C12)	6.267	15304699	89.485 ug/ml
5) T	A~2-methylnaphthalene...	6.878	16293302	91.366 ug/ml
6) T	n-Tetradecane (C14)	8.055	15405712	89.847 ug/ml
7) T	n-Hexadecane (C16)	9.651	15960315	88.855 ug/ml
8) T	n-Octadecane (C18)	11.091	16014633	87.298 ug/ml
10) T	n-Eicosane (C20)	12.395	15259809	85.614 ug/ml
11) T	n-Heneicosane (C21)	13.006	14940993	85.386 ug/ml
13) T	n-Docosane (C22)	13.591	14810036	84.833 ug/ml
14) T	n-Tetracosane (C24)	14.691	14604400	83.903 ug/ml
15) T	n-Hexacosane (C26)	15.709	14222474	83.552 ug/ml
16) T	n-Octacosane (C28)	16.657	13733998	81.646 ug/ml
17) T	n-Tricontane (C30)	17.545	13722934	78.333 ug/ml
18) T	n-Dotriacontane (C32)	18.374	12956119	76.432 ug/ml
19) T	n-Tetratriacontane (C34)	19.156	11776981	77.993 ug/ml
20) T	n-Hexatriacontane (C36)	19.893	10216728	80.554 ug/ml
21) T	n-Octatriacontane (C38)	20.603	9266089	82.732 ug/ml
22) T	n-Tetracontane (C40)	21.453	8770167	85.317 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

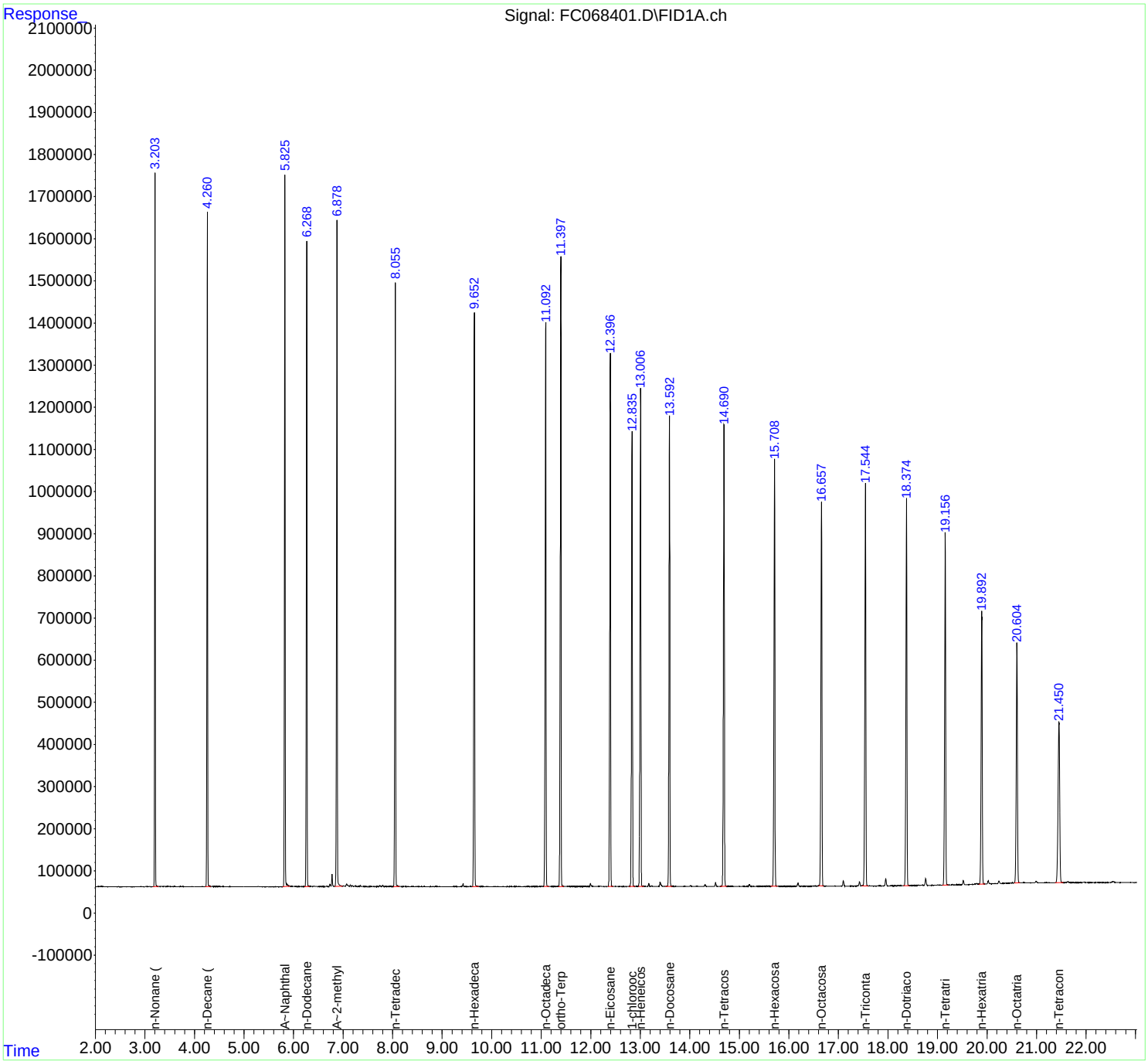
Quantitation Report (QT Reviewed)

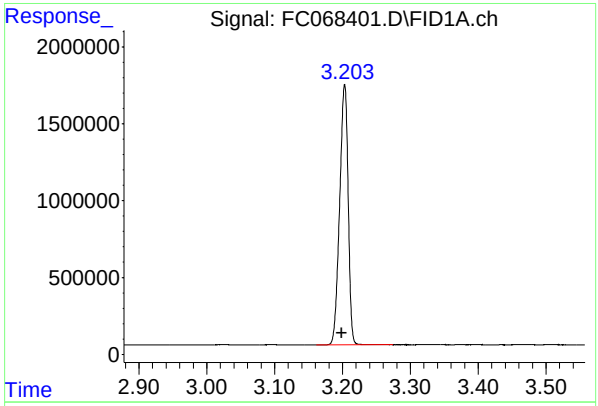
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 26 13:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

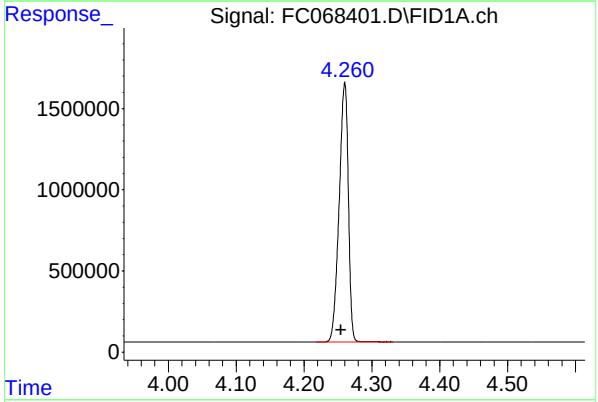




#1 n-Nonane (C9)

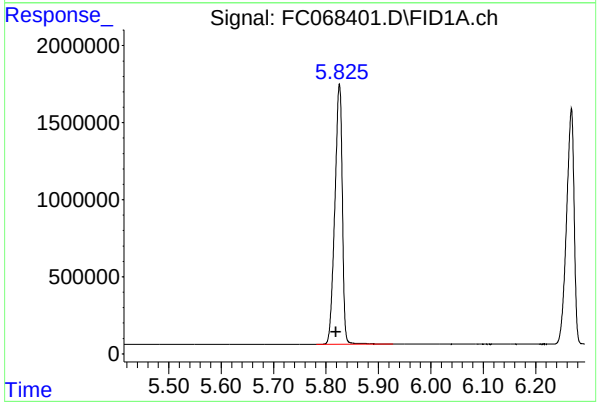
R.T.: 3.203 min
Delta R.T.: 0.004 min
Response: 14755216
Conc: 88.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



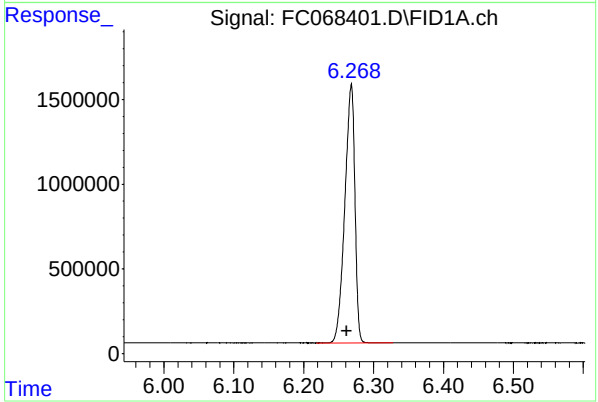
#2 n-Decane (C10)

R.T.: 4.260 min
Delta R.T.: 0.005 min
Response: 15026852
Conc: 89.12 ug/ml



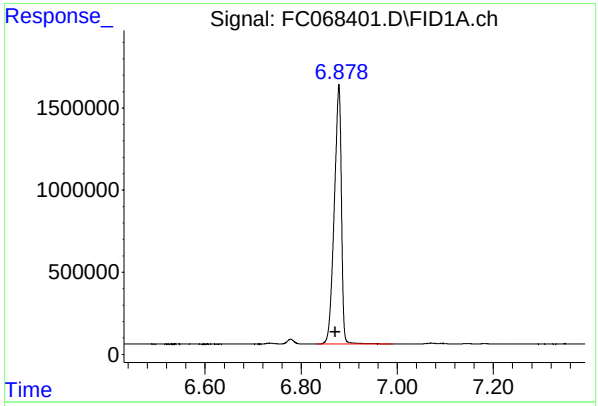
#3 A~Naphthalene (C11.7)

R.T.: 5.825 min
Delta R.T.: 0.006 min
Response: 16689744
Conc: 90.34 ug/ml



#4 n-Dodecane (C12)

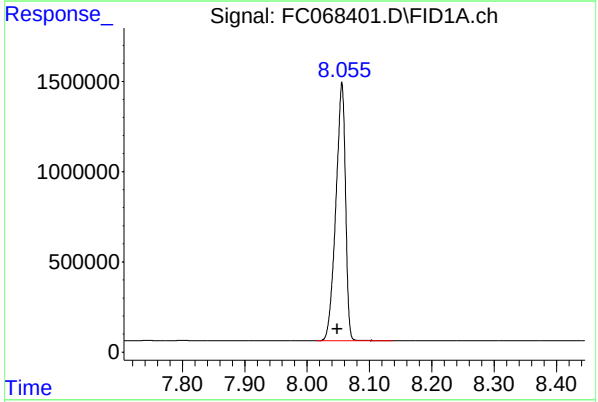
R.T.: 6.267 min
Delta R.T.: 0.006 min
Response: 15304699
Conc: 89.49 ug/ml



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

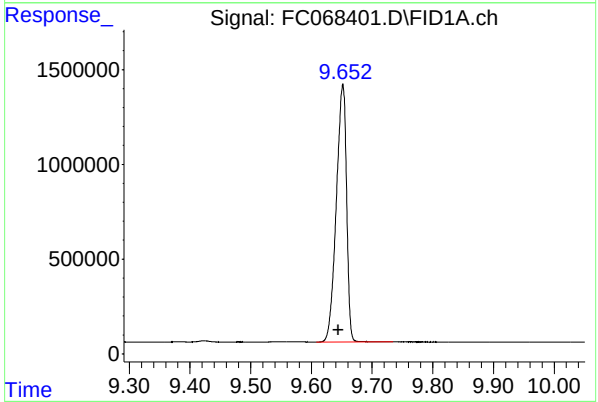
R.T.: 6.878 min
Delta R.T.: 0.007 min
Response: 16293302
Conc: 91.37 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



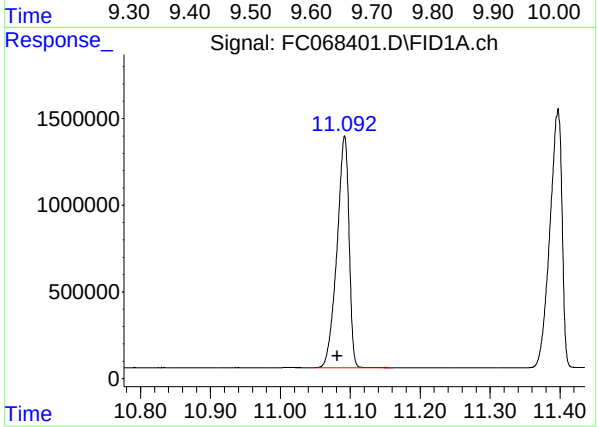
#6 n-Tetradecane (C14)

R.T.: 8.055 min
Delta R.T.: 0.007 min
Response: 15405712
Conc: 89.85 ug/ml



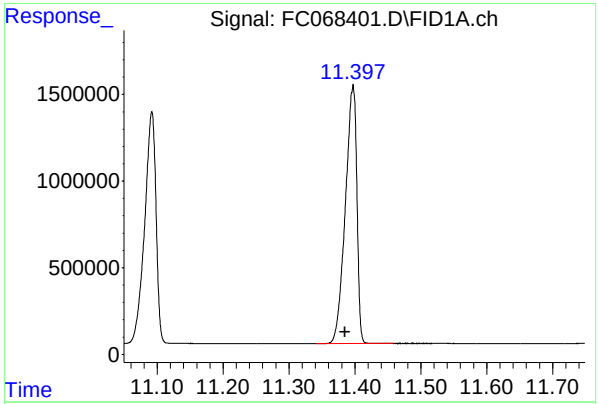
#7 n-Hexadecane (C16)

R.T.: 9.651 min
Delta R.T.: 0.007 min
Response: 15960315
Conc: 88.86 ug/ml



#8 n-Octadecane (C18)

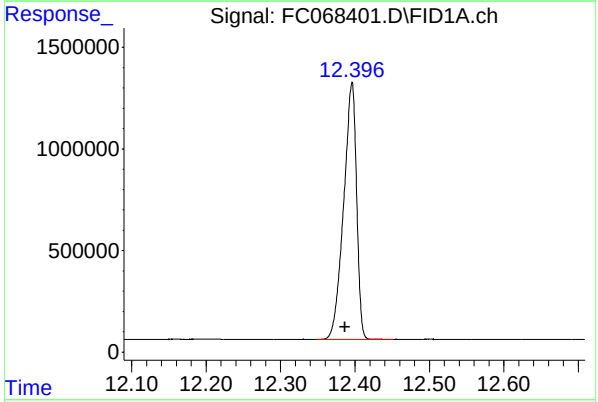
R.T.: 11.091 min
Delta R.T.: 0.010 min
Response: 16014633
Conc: 87.30 ug/ml



#9 ortho-Terphenyl (SURR)

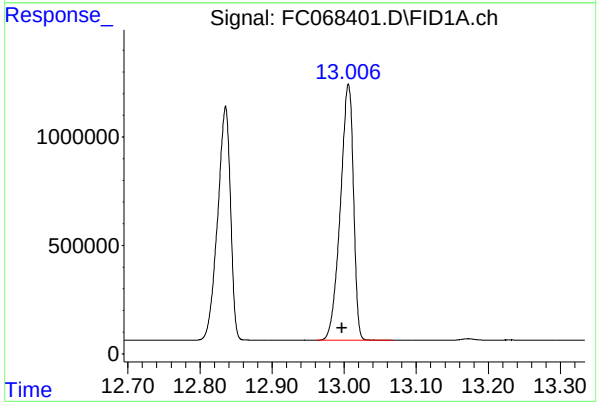
R.T.: 11.397 min
Delta R.T.: 0.012 min
Response: 18022152
Conc: 87.14 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



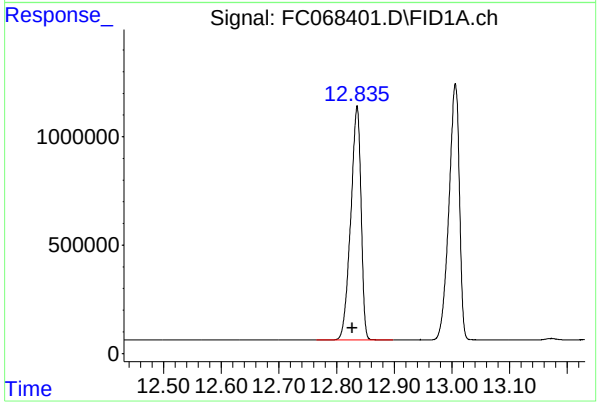
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: 0.009 min
Response: 15259809
Conc: 85.61 ug/ml



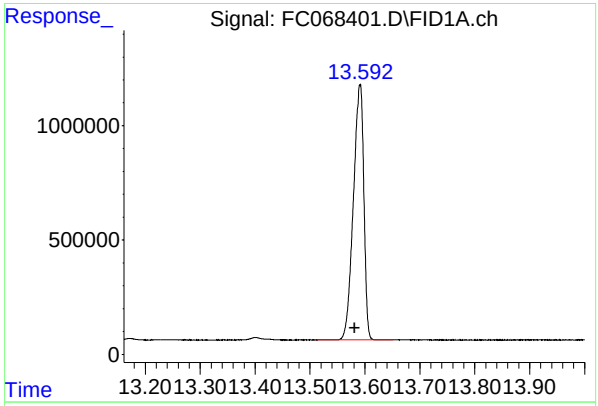
#11 n-Heneicosane (C21)

R.T.: 13.006 min
Delta R.T.: 0.009 min
Response: 14940993
Conc: 85.39 ug/ml



#12 1-chlorooctadecane (SURR)

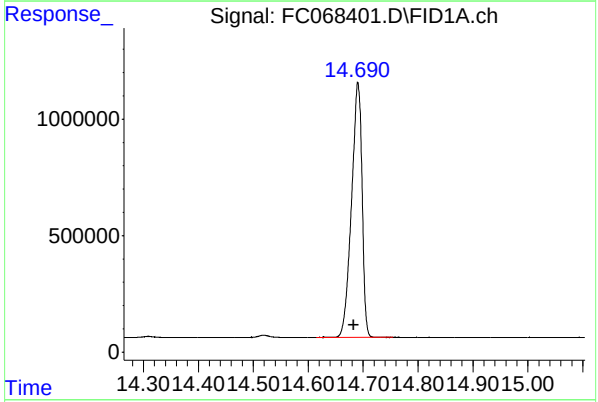
R.T.: 12.835 min
Delta R.T.: 0.008 min
Response: 13391425
Conc: 85.93 ug/ml



#13 n-Docosane (C22)

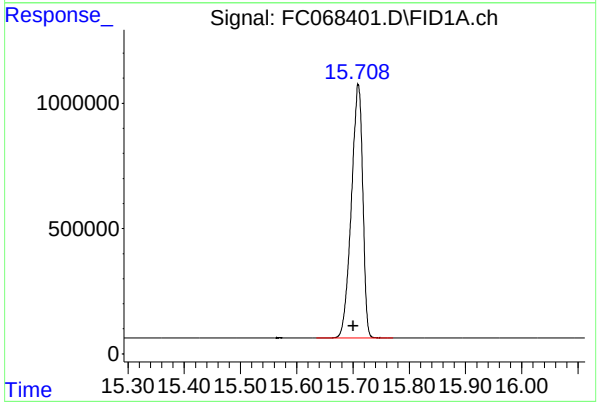
R.T.: 13.591 min
Delta R.T.: 0.009 min
Response: 14810036
Conc: 84.83 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



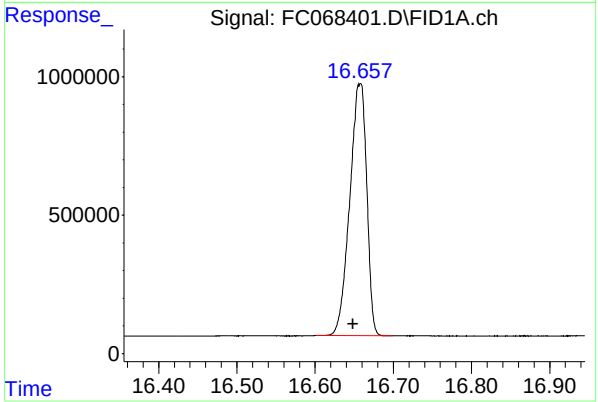
#14 n-Tetracosane (C24)

R.T.: 14.691 min
Delta R.T.: 0.008 min
Response: 14604400
Conc: 83.90 ug/ml



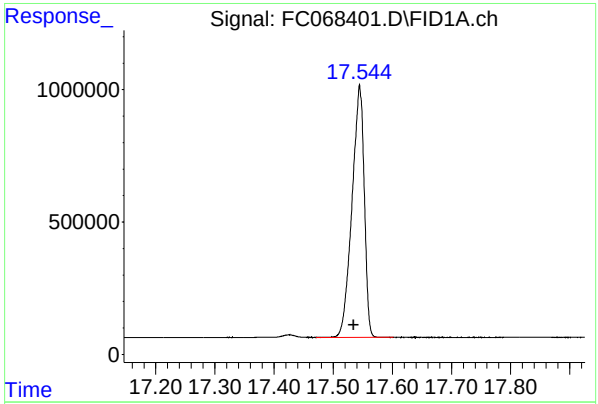
#15 n-Hexacosane (C26)

R.T.: 15.709 min
Delta R.T.: 0.009 min
Response: 14222474
Conc: 83.55 ug/ml



#16 n-Octacosane (C28)

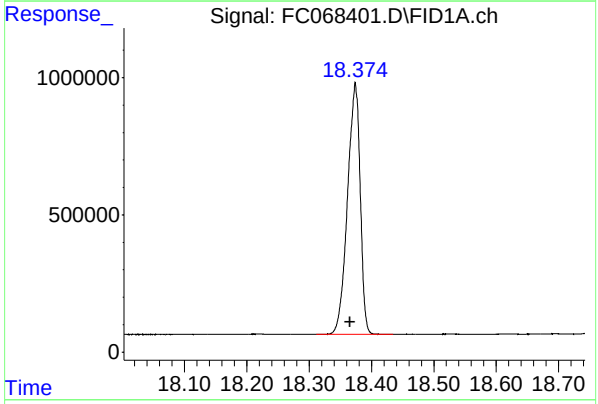
R.T.: 16.657 min
Delta R.T.: 0.009 min
Response: 13733998
Conc: 81.65 ug/ml



#17 n-Tricontane (C30)

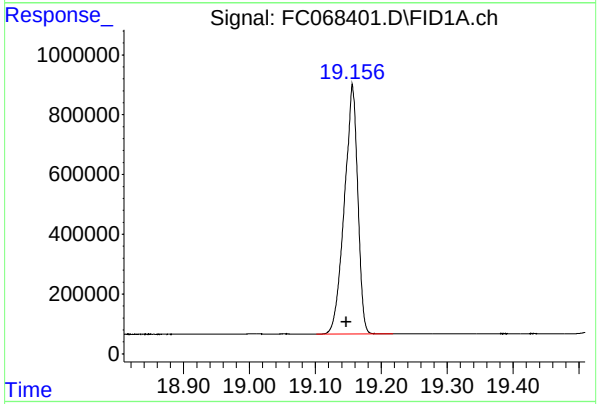
R.T.: 17.545 min
Delta R.T.: 0.010 min
Response: 13722934
Conc: 78.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



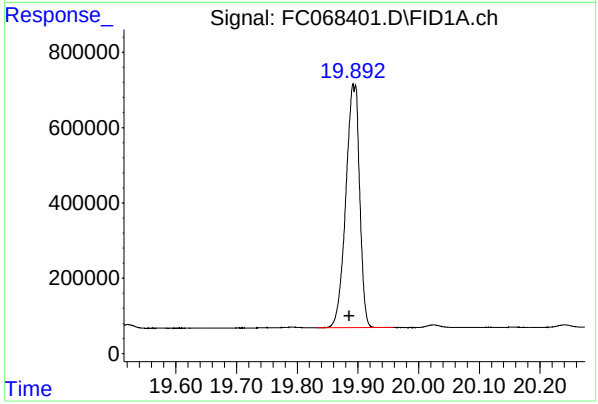
#18 n-Dotriacontane (C32)

R.T.: 18.374 min
Delta R.T.: 0.008 min
Response: 12956119
Conc: 76.43 ug/ml



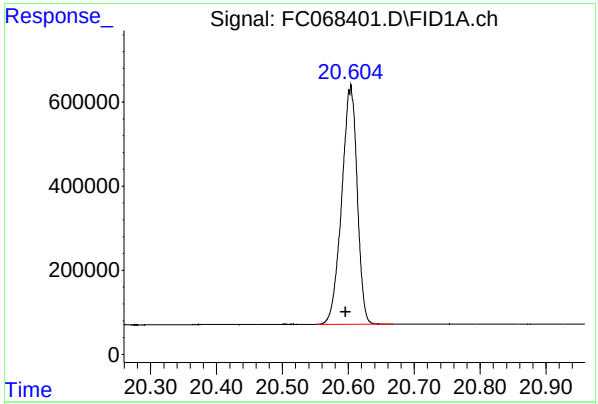
#19 n-Tetratriacontane (C34)

R.T.: 19.156 min
Delta R.T.: 0.009 min
Response: 11776981
Conc: 77.99 ug/ml



#20 n-Hexatriacontane (C36)

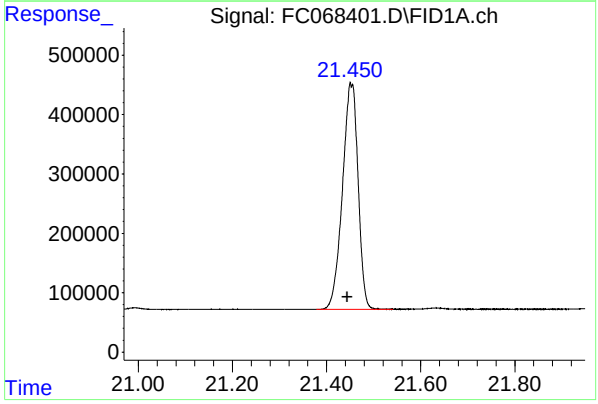
R.T.: 19.893 min
Delta R.T.: 0.008 min
Response: 10216728
Conc: 80.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.603 min
Delta R.T.: 0.008 min
Response: 9266089
Conc: 82.73 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.453 min
Delta R.T.: 0.008 min
Response: 8770167
Conc: 85.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.203	3.161	3.274	BB	1719447	14755216	81.87%	4.742%
2	4.260	4.218	4.331	BB	1625059	15026852	83.38%	4.830%
3	5.825	5.781	5.928	BB	1681263	16689744	92.61%	5.364%
4	6.267	6.218	6.328	BB	1530304	15304699	84.92%	4.919%
5	6.878	6.831	6.991	BB	1564426	16293302	90.41%	5.237%
6	8.055	8.014	8.138	BB	1408500	15405712	85.48%	4.951%
7	9.651	9.608	9.734	BB	1357579	15960315	88.56%	5.130%
8	11.091	11.051	11.161	BB	1333868	16014633	88.86%	5.147%
9	11.397	11.341	11.458	BB	1500552	18022152	100.00%	5.792%
10	12.395	12.348	12.451	BB	1252392	15259809	84.67%	4.904%
11	12.835	12.764	12.898	BB	1068260	13391425	74.31%	4.304%
12	13.006	12.961	13.068	BB	1179776	14940993	82.90%	4.802%
13	13.591	13.511	13.651	BB	1126355	14810036	82.18%	4.760%
14	14.691	14.614	14.754	BB	1095361	14604400	81.04%	4.694%
15	15.709	15.634	15.771	BB	1007727	14222474	78.92%	4.571%
16	16.657	16.601	16.699	BBA	911782	13733998	76.21%	4.414%
17	17.545	17.471	17.601	BB	951533	13722934	76.14%	4.410%
18	18.374	18.311	18.434	BB	915155	12956119	71.89%	4.164%
19	19.156	19.101	19.218	BB	825897	11776981	65.35%	3.785%
20	19.893	19.831	19.958	BB	636073	10216728	56.69%	3.284%
21	20.603	20.551	20.668	BB	561524	9266089	51.41%	2.978%
22	21.453	21.378	21.541	BB	380222	8770167	48.66%	2.819%
			Sum of corrected areas:			311144777		

Aliphatic EPH 032625.M Wed Mar 26 15:20:51 2025

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

Lab Sample ID:	50 PPM ALIPHATIC HC S	Acq On:	26 Mar 2025 11:05
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068402.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	23957696.000	150.000	ug/ml
Aliphatic C12-C16	6.362	9.744	16525288.000	100.000	ug/ml
Aliphatic C16-C21	9.745	13.097	24301108.000	150.000	ug/ml
Aliphatic C21-C28	13.098	16.748	30982953.000	200.000	ug/ml
Aliphatic C28-C40	16.749	21.545	35774110.000	300.000	ug/ml
Aliphatic EPH	3.099		131541155.000	900.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 26 13:12:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 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)	11.390	9464670	45.765 ug/ml
Spiked Amount	50.000		Recovery =	91.53%
12)	S 1-chlorooctadecane (S...	12.830	7002346	44.932 ug/ml
Spiked Amount	50.000		Recovery =	89.86%
	Target Compounds			
1)	T n-Nonane (C9)	3.202	7855746	47.372 ug/ml
2)	T n-Decane (C10)	4.257	7995500	47.421 ug/ml
3)	T A~Naphthalene (C11.7)	5.821	8815730	47.718 ug/ml
4)	T n-Dodecane (C12)	6.263	8106450	47.398 ug/ml
5)	T A~2-methylnaphthalene...	6.873	8570514	48.060 ug/ml
6)	T n-Tetradecane (C14)	8.050	8121733	47.367 ug/ml
7)	T n-Hexadecane (C16)	9.646	8403555	46.785 ug/ml
8)	T n-Octadecane (C18)	11.085	8427177	45.938 ug/ml
10)	T n-Eicosane (C20)	12.389	8040363	45.110 ug/ml
11)	T n-Heneicosane (C21)	13.000	7833568	44.768 ug/ml
13)	T n-Docosane (C22)	13.585	7826241	44.829 ug/ml
14)	T n-Tetracosane (C24)	14.685	7903096	45.404 ug/ml
15)	T n-Hexacosane (C26)	15.704	7744438	45.496 ug/ml
16)	T n-Octacosane (C28)	16.652	7509178	44.641 ug/ml
17)	T n-Tricontane (C30)	17.537	7529162	42.978 ug/ml
18)	T n-Dotriacontane (C32)	18.368	7082773	41.783 ug/ml
19)	T n-Tetratriacontane (C34)	19.151	6355847	42.092 ug/ml
20)	T n-Hexatriacontane (C36)	19.888	5418030	42.719 ug/ml
21)	T n-Octatriacontane (C38)	20.599	4849344	43.297 ug/ml
22)	T n-Tetracontane (C40)	21.447	4538954	44.155 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

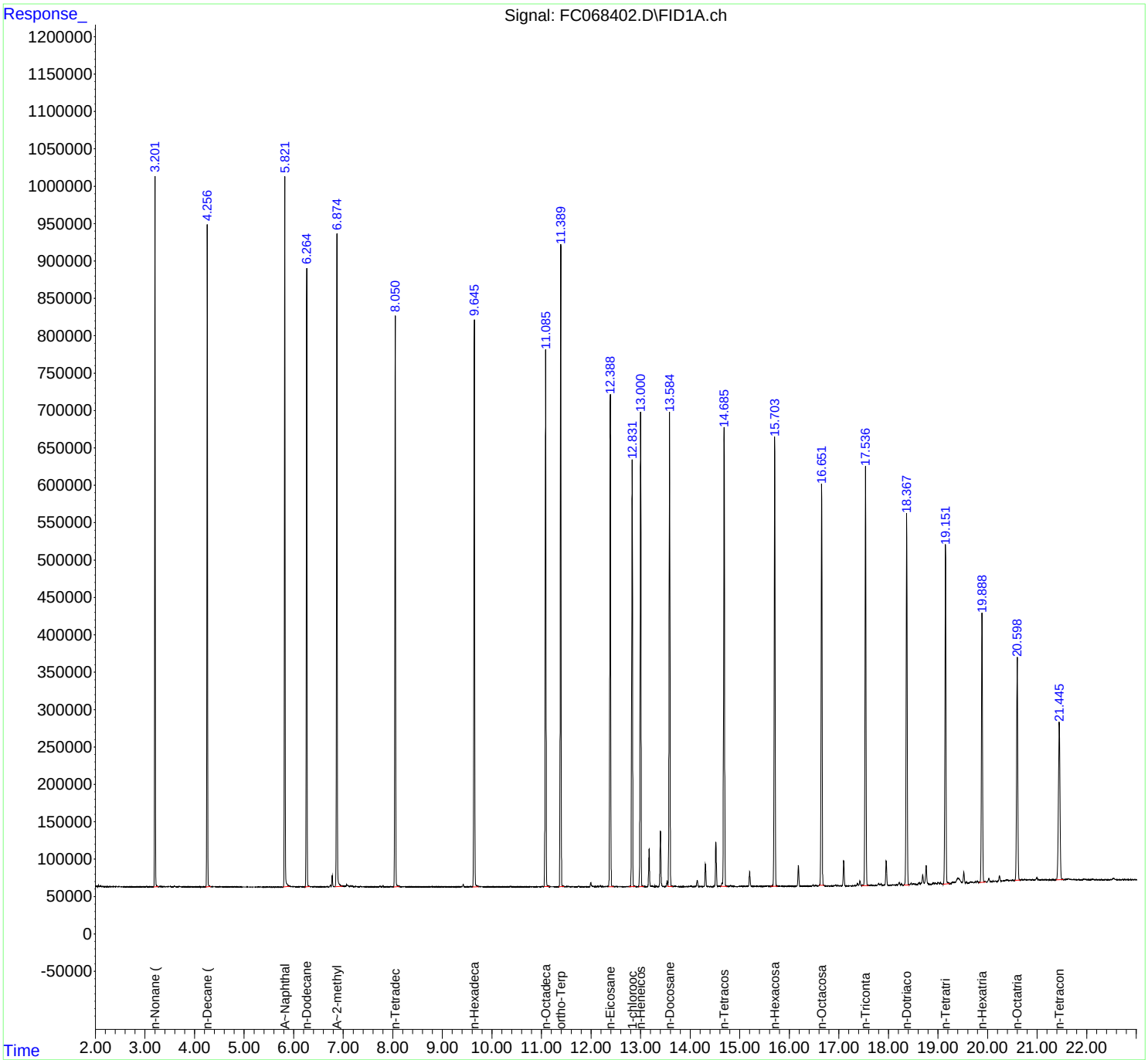
Quantitation Report (QT Reviewed)

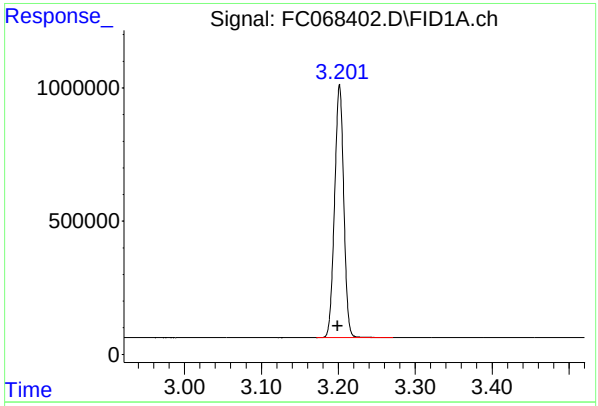
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 26 13:12:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

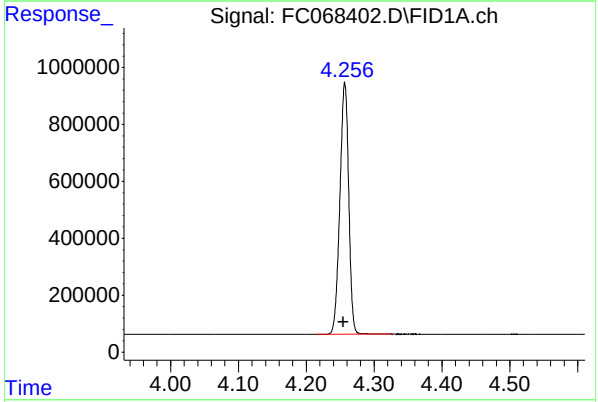




#1 n-Nonane (C9)

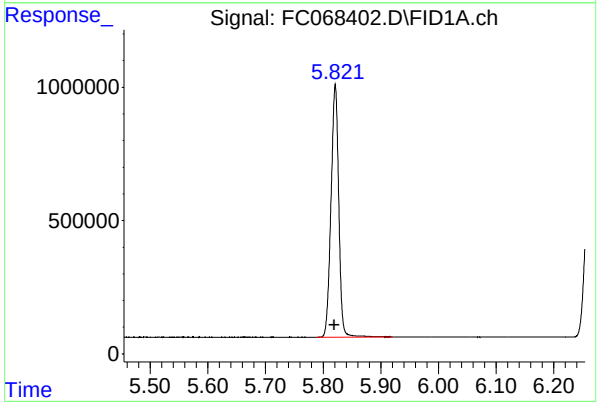
R.T.: 3.202 min
Delta R.T.: 0.003 min
Response: 7855746
Conc: 47.37 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



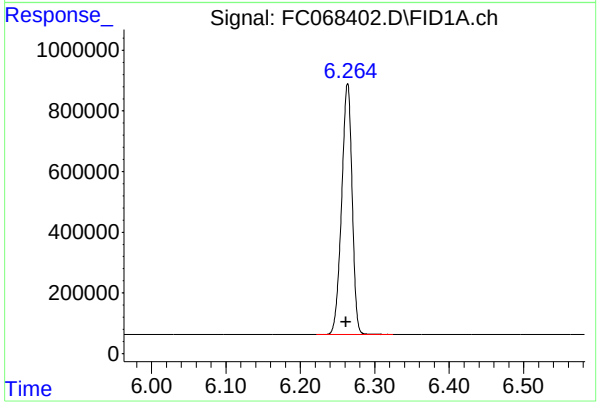
#2 n-Decane (C10)

R.T.: 4.257 min
Delta R.T.: 0.002 min
Response: 7995500
Conc: 47.42 ug/ml



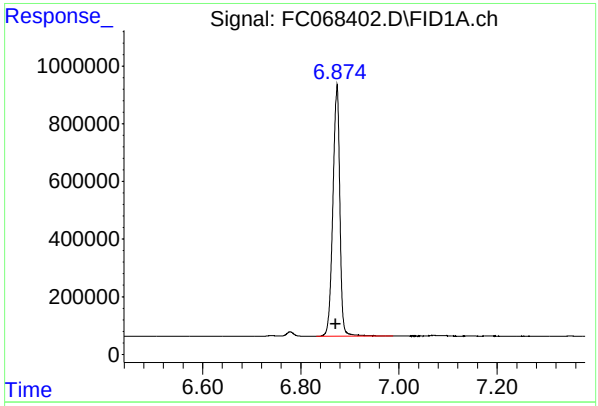
#3 A~Naphthalene (C11.7)

R.T.: 5.821 min
Delta R.T.: 0.002 min
Response: 8815730
Conc: 47.72 ug/ml



#4 n-Dodecane (C12)

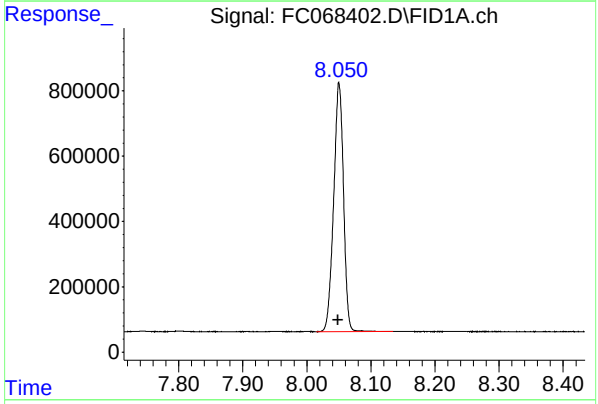
R.T.: 6.263 min
Delta R.T.: 0.002 min
Response: 8106450
Conc: 47.40 ug/ml



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

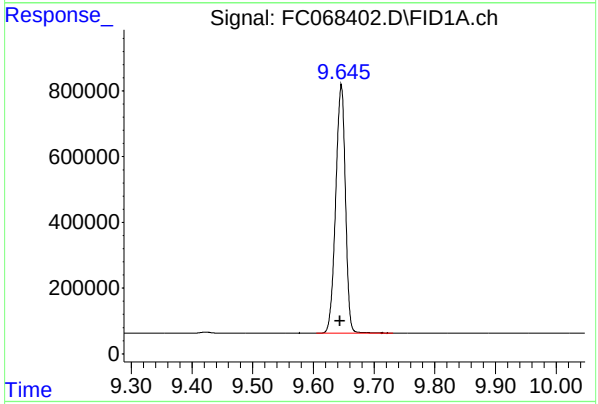
R.T.: 6.873 min
Delta R.T.: 0.003 min
Response: 8570514
Conc: 48.06 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



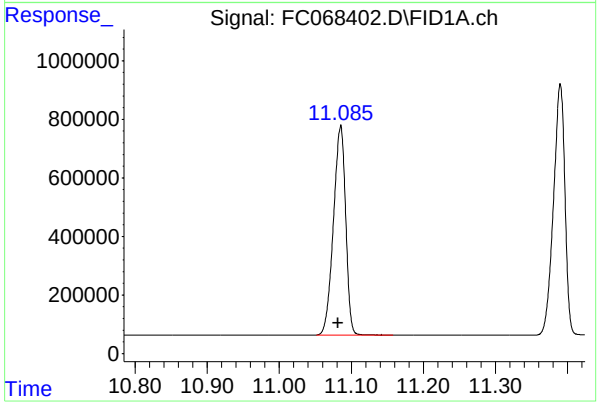
#6 n-Tetradecane (C14)

R.T.: 8.050 min
Delta R.T.: 0.002 min
Response: 8121733
Conc: 47.37 ug/ml



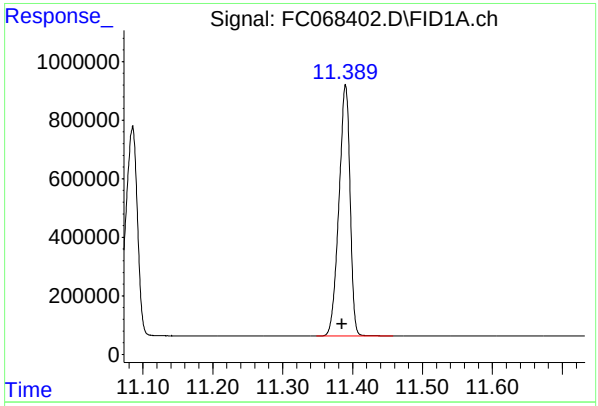
#7 n-Hexadecane (C16)

R.T.: 9.646 min
Delta R.T.: 0.002 min
Response: 8403555
Conc: 46.78 ug/ml



#8 n-Octadecane (C18)

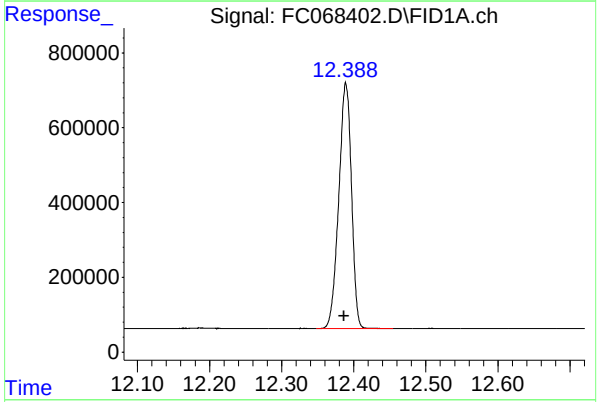
R.T.: 11.085 min
Delta R.T.: 0.003 min
Response: 8427177
Conc: 45.94 ug/ml



#9 ortho-Terphenyl (SURR)

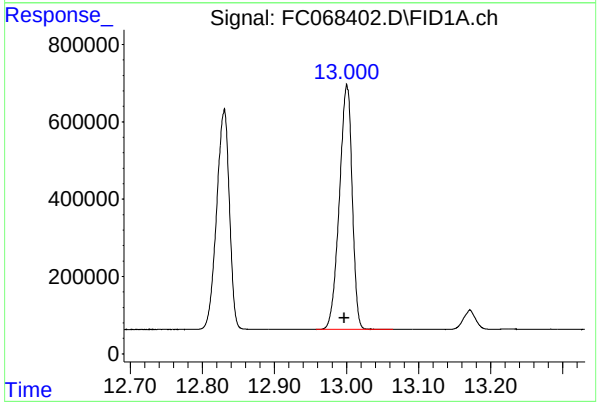
R.T.: 11.390 min
Delta R.T.: 0.005 min
Response: 9464670
Conc: 45.76 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



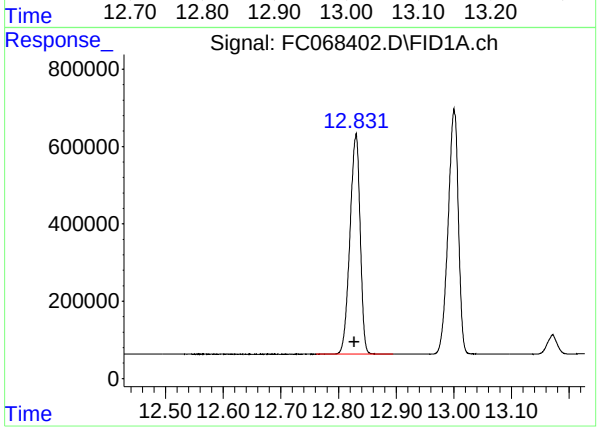
#10 n-Eicosane (C20)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 8040363
Conc: 45.11 ug/ml



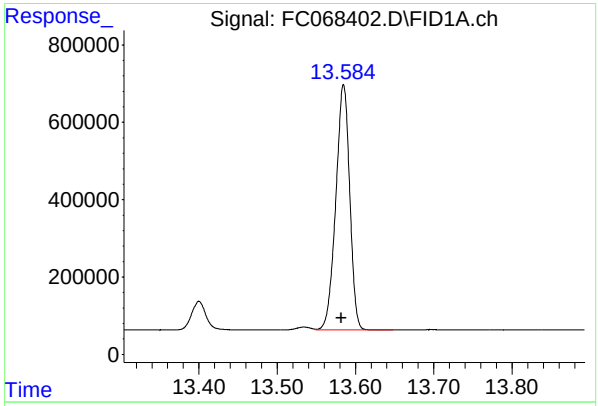
#11 n-Heneicosane (C21)

R.T.: 13.000 min
Delta R.T.: 0.003 min
Response: 7833568
Conc: 44.77 ug/ml



#12 1-chlorooctadecane (SURR)

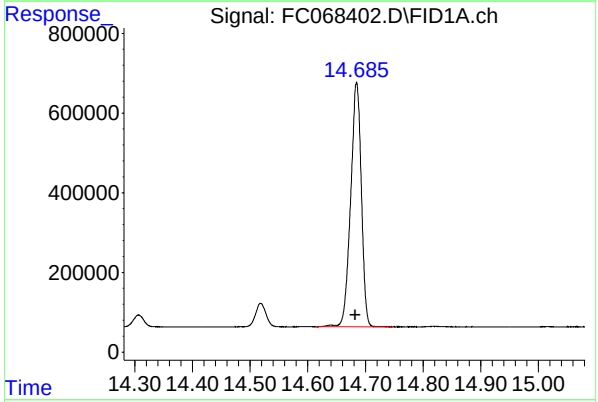
R.T.: 12.830 min
Delta R.T.: 0.003 min
Response: 7002346
Conc: 44.93 ug/ml



#13 n-Docosane (C22)

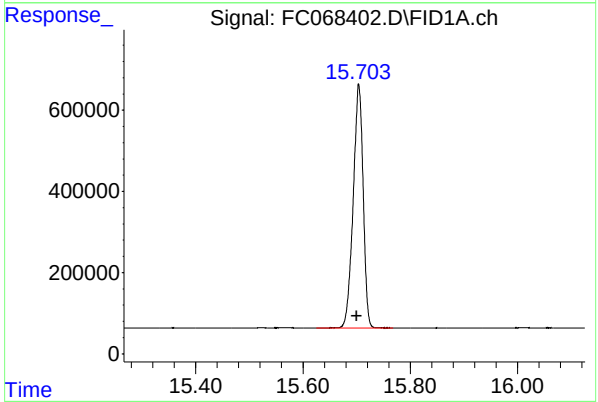
R.T.: 13.585 min
Delta R.T.: 0.003 min
Response: 7826241
Conc: 44.83 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



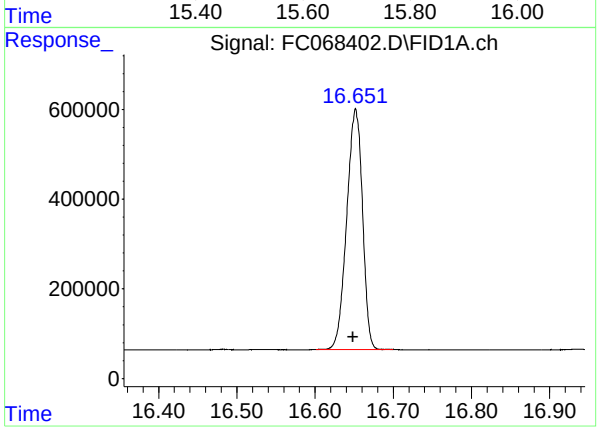
#14 n-Tetracosane (C24)

R.T.: 14.685 min
Delta R.T.: 0.002 min
Response: 7903096
Conc: 45.40 ug/ml



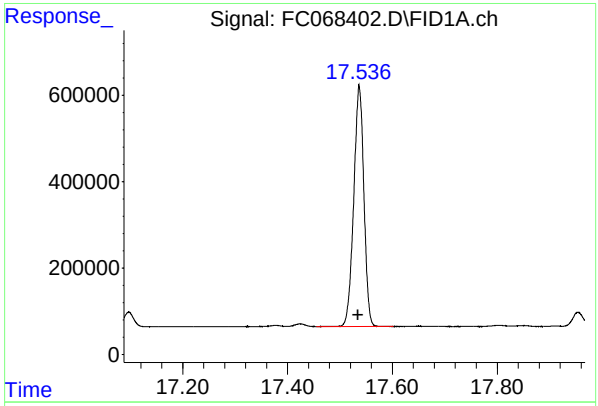
#15 n-Hexacosane (C26)

R.T.: 15.704 min
Delta R.T.: 0.004 min
Response: 7744438
Conc: 45.50 ug/ml



#16 n-Octacosane (C28)

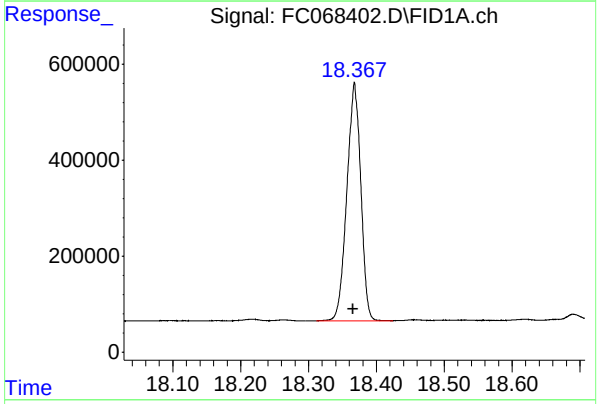
R.T.: 16.652 min
Delta R.T.: 0.003 min
Response: 7509178
Conc: 44.64 ug/ml



#17 n-Tricontane (C30)

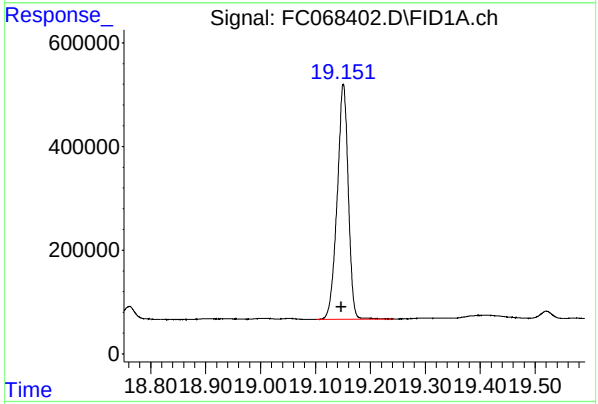
R.T.: 17.537 min
Delta R.T.: 0.003 min
Response: 7529162
Conc: 42.98 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



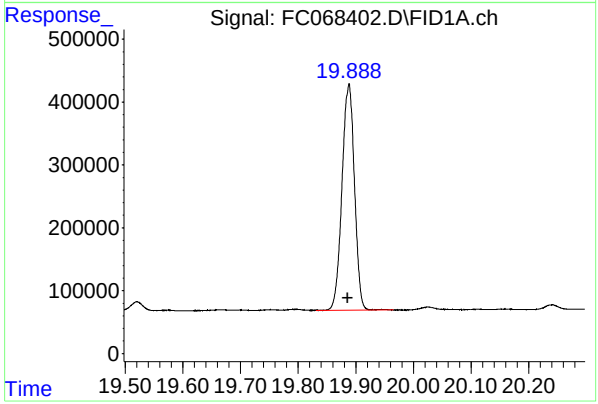
#18 n-Dotriacontane (C32)

R.T.: 18.368 min
Delta R.T.: 0.002 min
Response: 7082773
Conc: 41.78 ug/ml



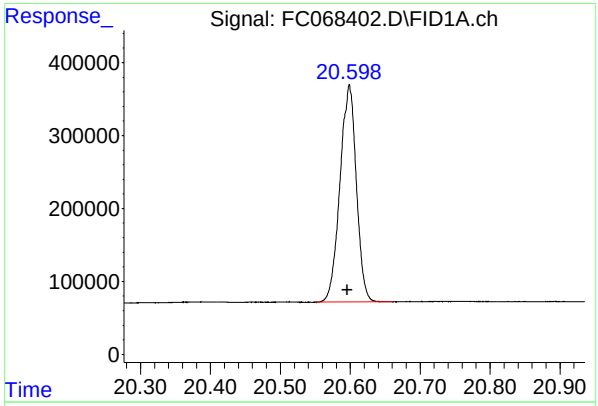
#19 n-Tetratriacontane (C34)

R.T.: 19.151 min
Delta R.T.: 0.003 min
Response: 6355847
Conc: 42.09 ug/ml



#20 n-Hexatriacontane (C36)

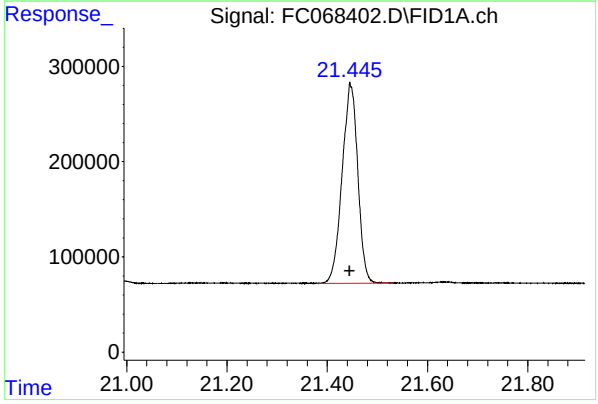
R.T.: 19.888 min
Delta R.T.: 0.002 min
Response: 5418030
Conc: 42.72 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.599 min
Delta R.T.: 0.003 mi
Response: 4849344
Conc: 43.30 ug/m

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.447 min
Delta R.T.: 0.002 min
Response: 4538954
Conc: 44.16 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.202	3.171	3.271	BB	944694	7855746	83.00%	4.750%
2	4.257	4.214	4.328	BB	886400	7995500	84.48%	4.834%
3	5.821	5.788	5.921	BB	946921	8815730	93.14%	5.330%
4	6.263	6.221	6.324	BB	834713	8106450	85.65%	4.901%
5	6.873	6.831	6.988	BB	878081	8570514	90.55%	5.182%
6	8.050	8.014	8.134	BB	759159	8121733	85.81%	4.911%
7	9.646	9.604	9.731	BB	747325	8403555	88.79%	5.081%
8	11.085	11.051	11.158	BB	711590	8427177	89.04%	5.095%
9	11.390	11.348	11.458	BB	860822	9464670	100.00%	5.722%
10	12.389	12.348	12.454	BB	654201	8040363	84.95%	4.861%
11	12.830	12.761	12.894	BB	572237	7002346	73.98%	4.234%
12	13.000	12.958	13.064	BB	633767	7833568	82.77%	4.736%
13	13.585	13.550	13.648	VB	635349	7826241	82.69%	4.732%
14	14.685	14.614	14.748	BB	614585	7903096	83.50%	4.778%
15	15.704	15.624	15.768	BB	600248	7744438	81.82%	4.682%
16	16.652	16.601	16.699	BBA	533202	7509178	79.34%	4.540%
17	17.537	17.454	17.601	PB	553842	7529162	79.55%	4.552%
18	18.368	18.311	18.424	BV	493502	7082773	74.83%	4.282%
19	19.151	19.101	19.241	BB	454434	6355847	67.15%	3.843%
20	19.888	19.831	19.964	BB	358256	5418030	57.24%	3.276%
21	20.599	20.551	20.661	BB	296533	4849344	51.24%	2.932%
22	21.447	21.378	21.531	BB	206613	4538954	47.96%	2.744%
			Sum of corrected areas:			165394413		

Aliphatic EPH 032625.M Wed Mar 26 15:20:27 2025

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	26 Mar 2025 11:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068403.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	10109387.000	60.000	ug/ml
Aliphatic C12-C16	6.362	9.744	7021727.000	40.000	ug/ml
Aliphatic C16-C21	9.745	13.097	10733415.000	60.000	ug/ml
Aliphatic C21-C28	13.098	16.748	13741558.000	80.000	ug/ml
Aliphatic C28-C40	16.749	21.545	16746543.000	120.000	ug/ml
Aliphatic EPH	3.099		58352630.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068403.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:42
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 26 13:12:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 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)	11.385	4136235	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	12.827	3116874	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.199	3316650	20.000 ug/ml
2)	T n-Decane (C10)	4.255	3372128	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	5.819	3694929	20.000 ug/ml
4)	T n-Dodecane (C12)	6.261	3420609	20.000 ug/ml
5)	T A~2-methylnaphthalene...	6.871	3566583	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.048	3429304	20.000 ug/ml
7)	T n-Hexadecane (C16)	9.644	3592423	20.000 ug/ml
8)	T n-Octadecane (C18)	11.081	3668970	20.000 ug/ml
10)	T n-Eicosane (C20)	12.387	3564802	20.000 ug/ml
11)	T n-Heneicosane (C21)	12.997	3499643	20.000 ug/ml
13)	T n-Docosane (C22)	13.582	3491593	20.000 ug/ml
14)	T n-Tetracosane (C24)	14.682	3481248	20.000 ug/ml
15)	T n-Hexacosane (C26)	15.700	3404454	20.000 ug/ml
16)	T n-Octacosane (C28)	16.648	3364263	20.000 ug/ml
17)	T n-Tricontane (C30)	17.534	3503743	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.365	3390251	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.147	3020004	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	19.886	2536609	20.000 ug/ml
21)	T n-Octatriacontane (C38)	20.596	2240024	20.000 ug/ml
22)	T n-Tetracontane (C40)	21.445	2055912	20.000 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

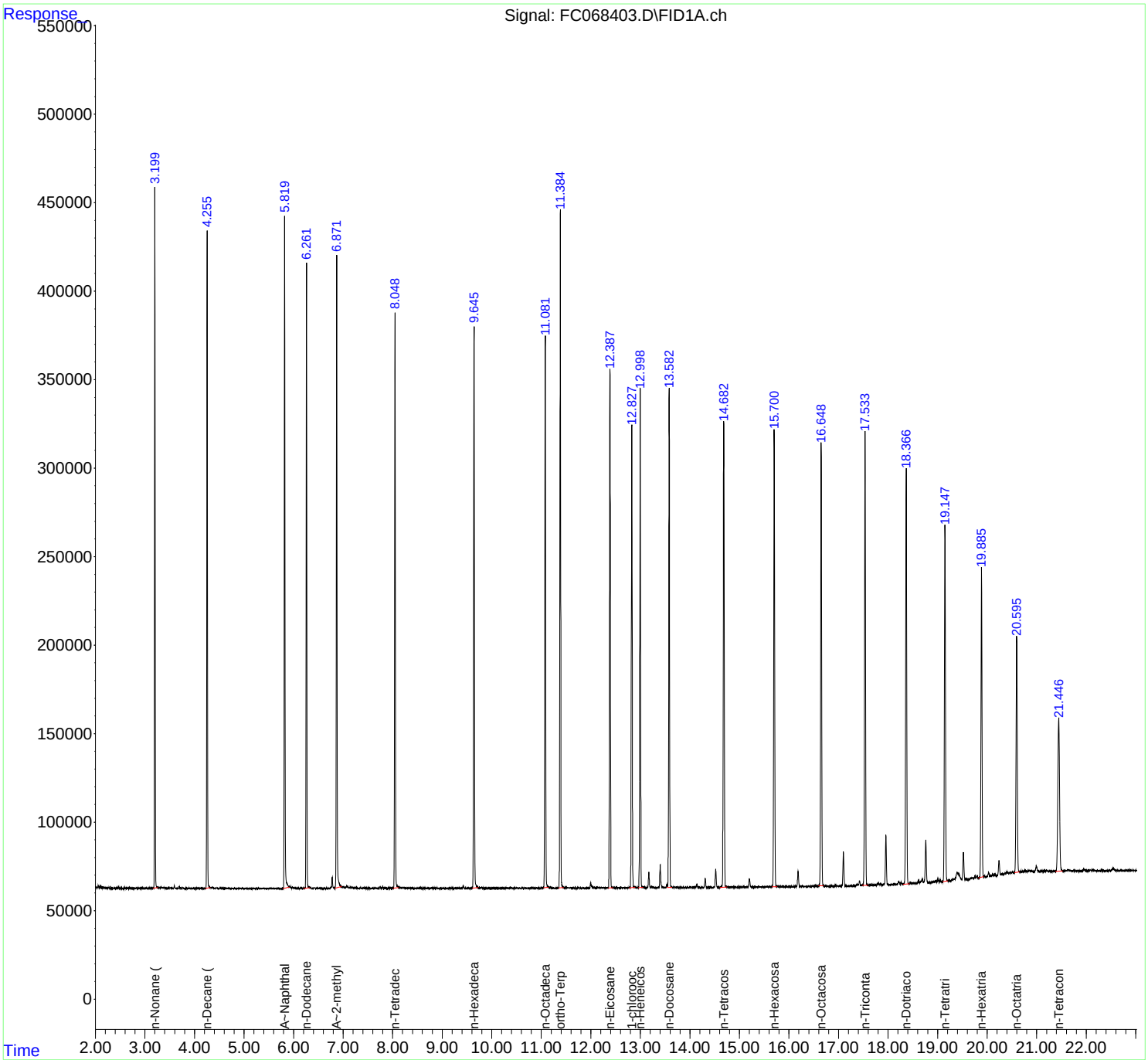
Quantitation Report (QT Reviewed)

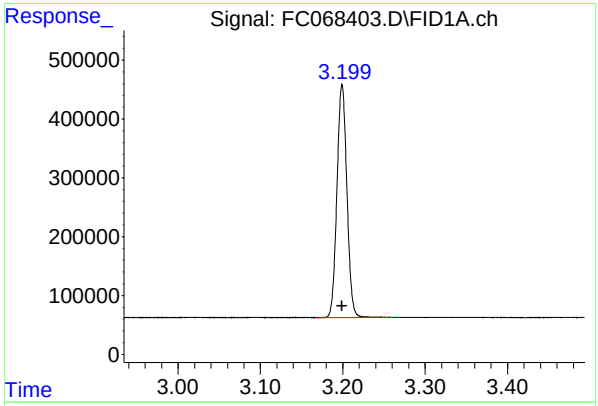
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068403.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:42
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 26 13:12:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

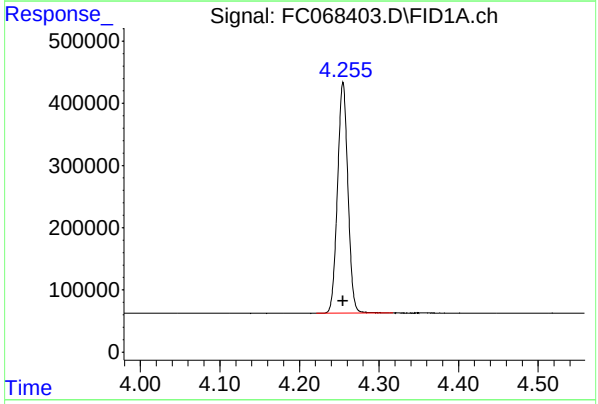




#1 n-Nonane (C9)

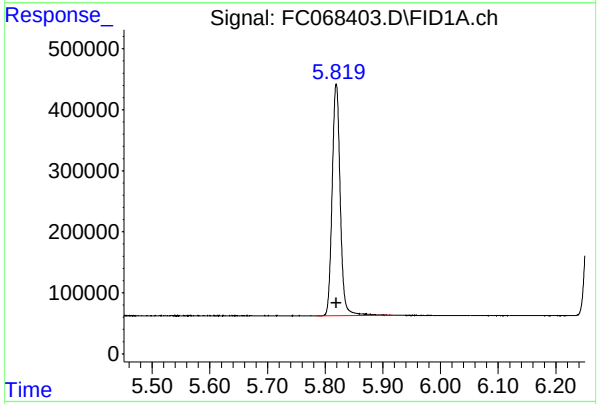
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3316650
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



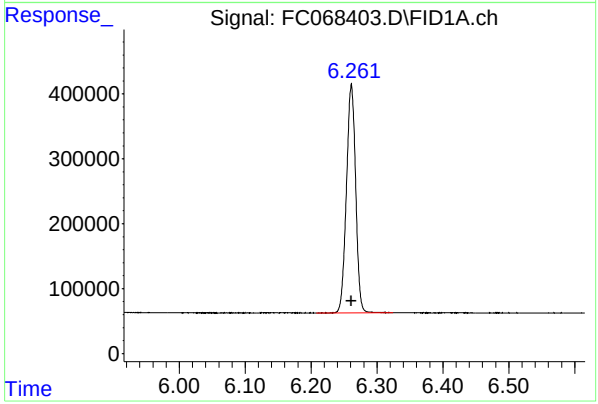
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3372128
Conc: 20.00 ug/ml



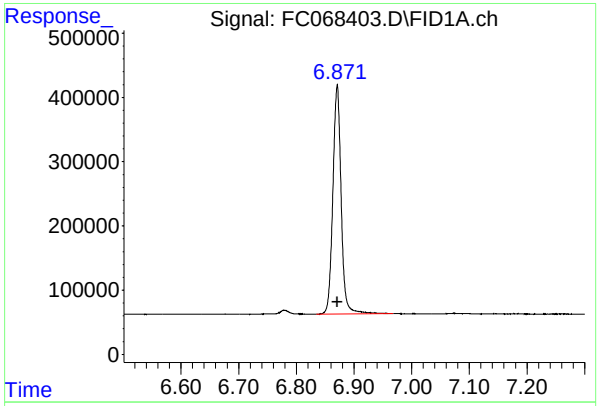
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3694929
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

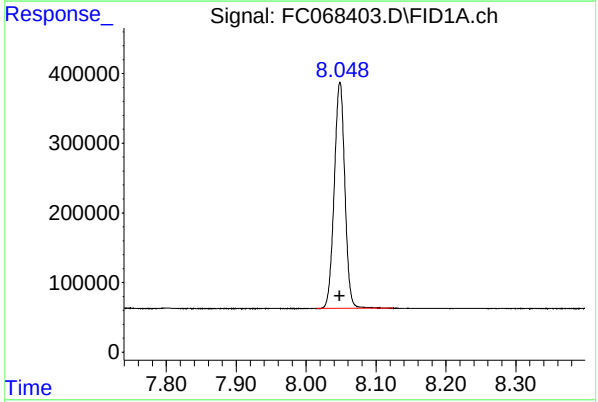
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3420609
Conc: 20.00 ug/ml



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

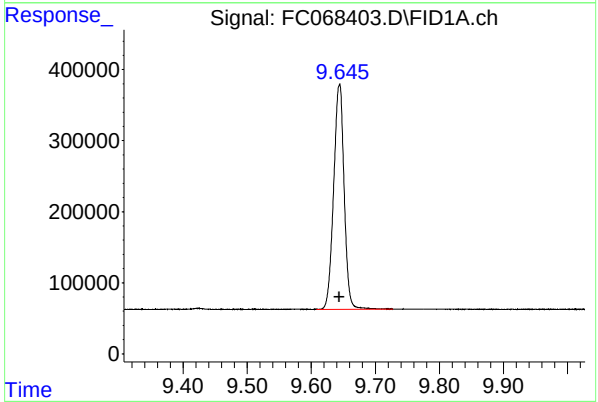
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3566583
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



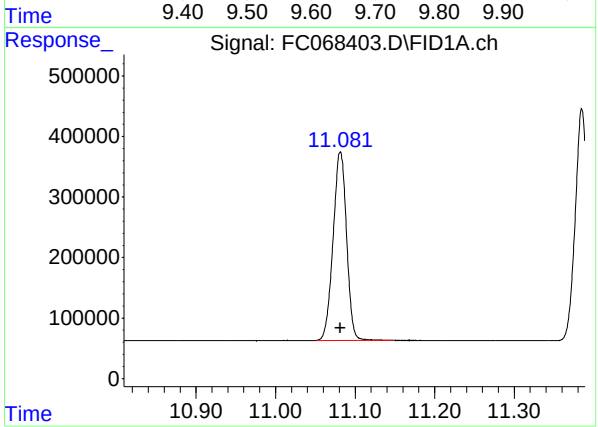
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 3429304
Conc: 20.00 ug/ml



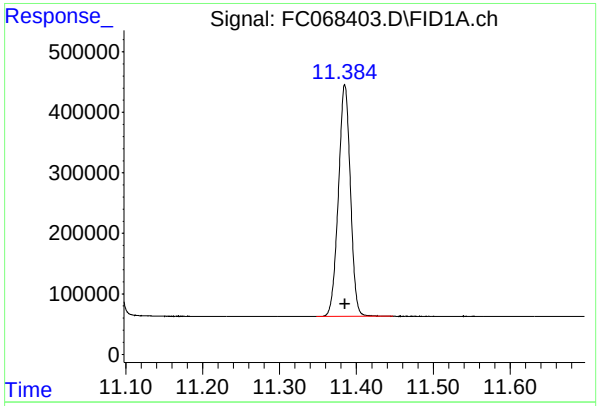
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3592423
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

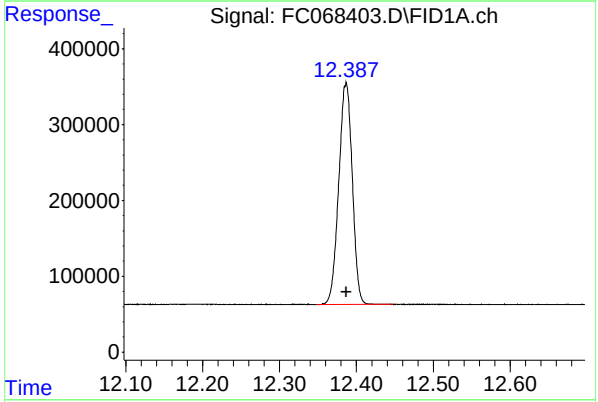
R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3668970
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

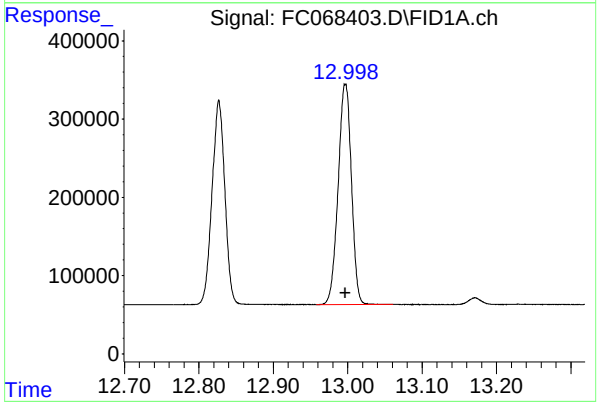
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4136235
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



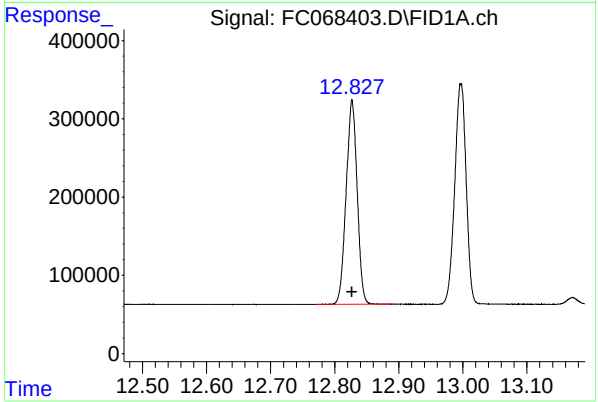
#10 n-Eicosane (C20)

R.T.: 12.387 min
Delta R.T.: 0.000 min
Response: 3564802
Conc: 20.00 ug/ml



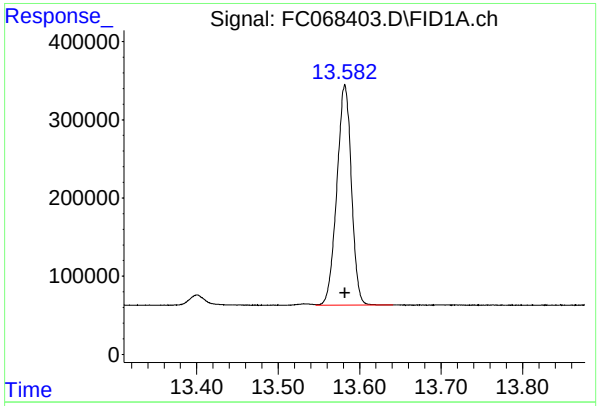
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3499643
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

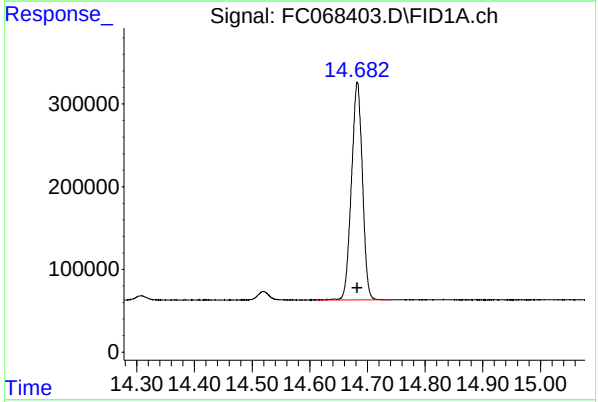
R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3116874
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

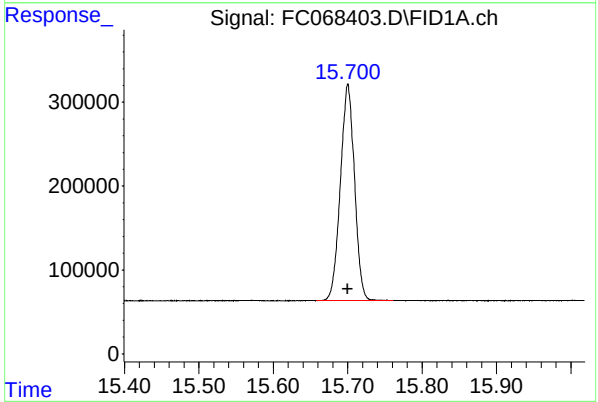
R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3491593
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



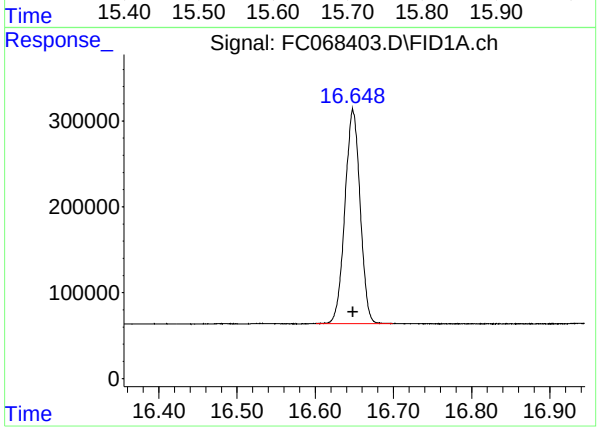
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3481248
Conc: 20.00 ug/ml



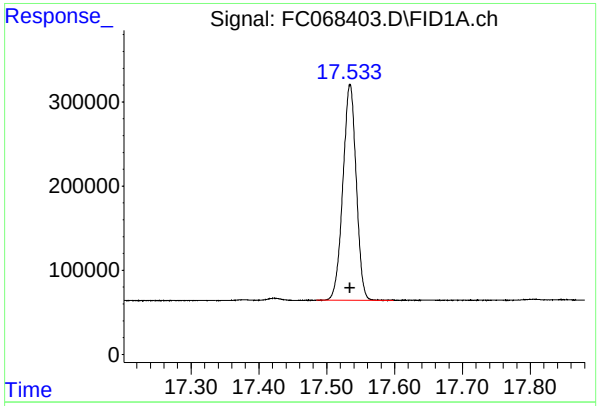
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3404454
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

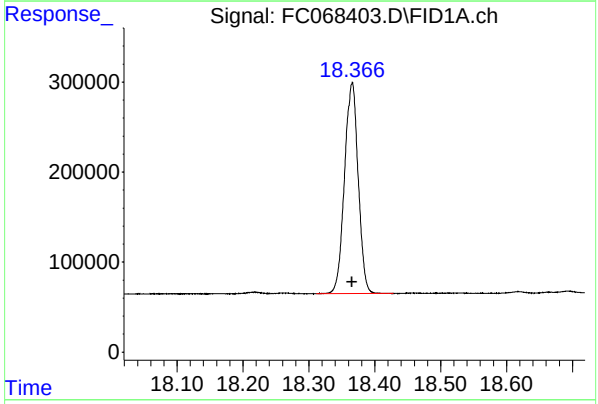
R.T.: 16.648 min
Delta R.T.: 0.000 min
Response: 3364263
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

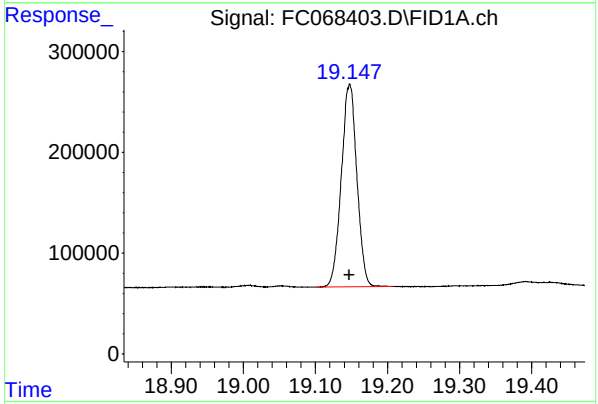
R.T.: 17.534 min
Delta R.T.: 0.000 min
Response: 3503743
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



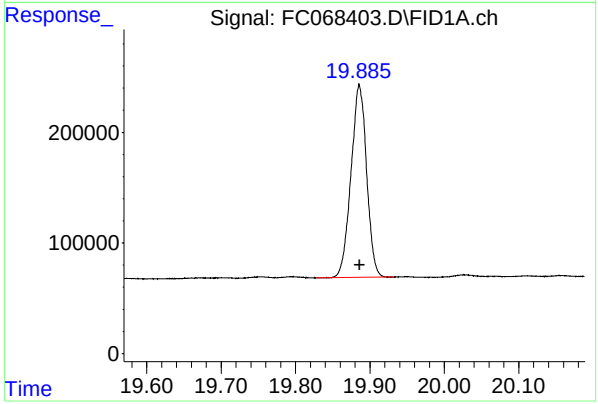
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3390251
Conc: 20.00 ug/ml



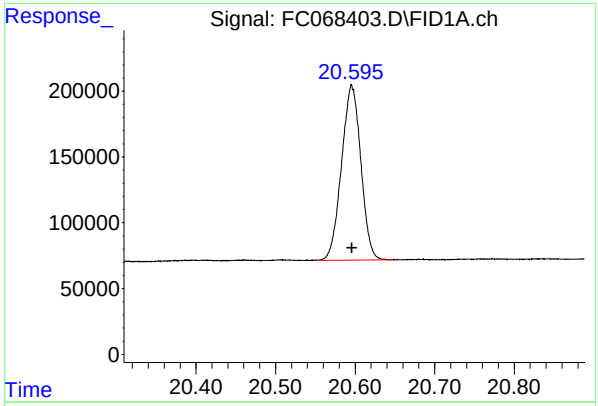
#19 n-Tetratriacontane (C34)

R.T.: 19.147 min
Delta R.T.: 0.000 min
Response: 3020004
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

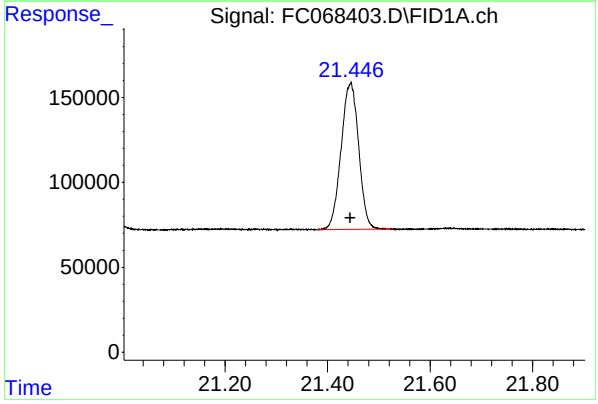
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 2536609
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.596 min
Delta R.T.: 0.000 mi
Response: 2240024
Conc: 20.00 ug/m

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.445 min
Delta R.T.: 0.000 min
Response: 2055912
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068403.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:42
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.199	3.168	3.261	BB	391897	3316650	80.19%	4.552%
2	4.255	4.221	4.318	BB	370053	3372128	81.53%	4.628%
3	5.819	5.784	5.918	BB	378942	3694929	89.33%	5.071%
4	6.261	6.208	6.324	BB	350271	3420609	82.70%	4.694%
5	6.871	6.834	6.968	BB	355486	3566583	86.23%	4.895%
6	8.048	8.014	8.124	BB	324096	3429304	82.91%	4.706%
7	9.644	9.608	9.728	BB	317980	3592423	86.85%	4.930%
8	11.081	11.051	11.148	BB	312639	3668970	88.70%	5.035%
9	11.385	11.348	11.448	BB	382989	4136235	100.00%	5.676%
10	12.387	12.348	12.448	BB	292059	3564802	86.18%	4.892%
11	12.827	12.771	12.891	BB	259906	3116874	75.36%	4.277%
12	12.997	12.958	13.061	BB	282416	3499643	84.61%	4.803%
13	13.582	13.547	13.641	VB	280961	3491593	84.41%	4.792%
14	14.682	14.611	14.744	BB	261965	3481248	84.16%	4.778%
15	15.700	15.658	15.761	BB	257212	3404454	82.31%	4.672%
16	16.648	16.601	16.699	BBA	248532	3364263	81.34%	4.617%
17	17.534	17.484	17.598	BB	256544	3503743	84.71%	4.808%
18	18.365	18.311	18.428	BB	232854	3390251	81.96%	4.653%
19	19.147	19.101	19.208	BB	200496	3020004	73.01%	4.145%
20	19.886	19.828	19.931	BB	173623	2536609	61.33%	3.481%
21	20.596	20.551	20.648	BB	132667	2240024	54.16%	3.074%
22	21.445	21.378	21.528	BB	85789	2055912	49.70%	2.821%
			Sum of corrected areas:			72867248		

Aliphatic EPH 032625.M Wed Mar 26 15:19:45 2025

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

Lab Sample ID:	10 PPM ALIPHATIC HC S	Acq On:	26 Mar 2025 12:21
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068404.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	5032376.000	30.000	ug/ml
Aliphatic C12-C16	6.362	9.744	3486717.000	20.000	ug/ml
Aliphatic C16-C21	9.745	13.097	5433148.000	30.000	ug/ml
Aliphatic C21-C28	13.098	16.748	7153138.000	40.000	ug/ml
Aliphatic C28-C40	16.749	21.545	8713011.000	60.000	ug/ml
Aliphatic EPH	3.099		29818390.000	180.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 26 13:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 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)	11.384	2086658	10.090 ug/ml
Spiked Amount 50.000		Recovery =	20.18%
12) S 1-chlorooctadecane (S...	12.826	1580360	10.141 ug/ml
Spiked Amount 50.000		Recovery =	20.28%
Target Compounds			
1) T n-Nonane (C9)	3.200	1652195	9.963 ug/ml
2) T n-Decane (C10)	4.255	1673518	9.926 ug/ml
3) T A~Naphthalene (C11.7)	5.820	1817299	9.837 ug/ml
4) T n-Dodecane (C12)	6.261	1706663	9.979 ug/ml
5) T A~2-methylnaphthalene...	6.871	1740430	9.760 ug/ml
6) T n-Tetradecane (C14)	8.047	1699414	9.911 ug/ml
7) T n-Hexadecane (C16)	9.643	1787303	9.950 ug/ml
8) T n-Octadecane (C18)	11.080	1839600	10.028 ug/ml
10) T n-Eicosane (C20)	12.386	1812535	10.169 ug/ml
11) T n-Heneicosane (C21)	12.996	1781013	10.178 ug/ml
13) T n-Docosane (C22)	13.581	1793771	10.275 ug/ml
14) T n-Tetracosane (C24)	14.681	1816027	10.433 ug/ml
15) T n-Hexacosane (C26)	15.699	1777806	10.444 ug/ml
16) T n-Octacosane (C28)	16.647	1765534	10.496 ug/ml
17) T n-Tricontane (C30)	17.533	1853554	10.580 ug/ml
18) T n-Dotriacontane (C32)	18.365	1792145	10.572 ug/ml
19) T n-Tetratriacontane (C34)	19.146	1586807	10.509 ug/ml
20) T n-Hexatriacontane (C36)	19.886	1308753	10.319 ug/ml
21) T n-Octatriacontane (C38)	20.595	1139413	10.173 ug/ml
22) T n-Tetracontane (C40)	21.443	1032339	10.043 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

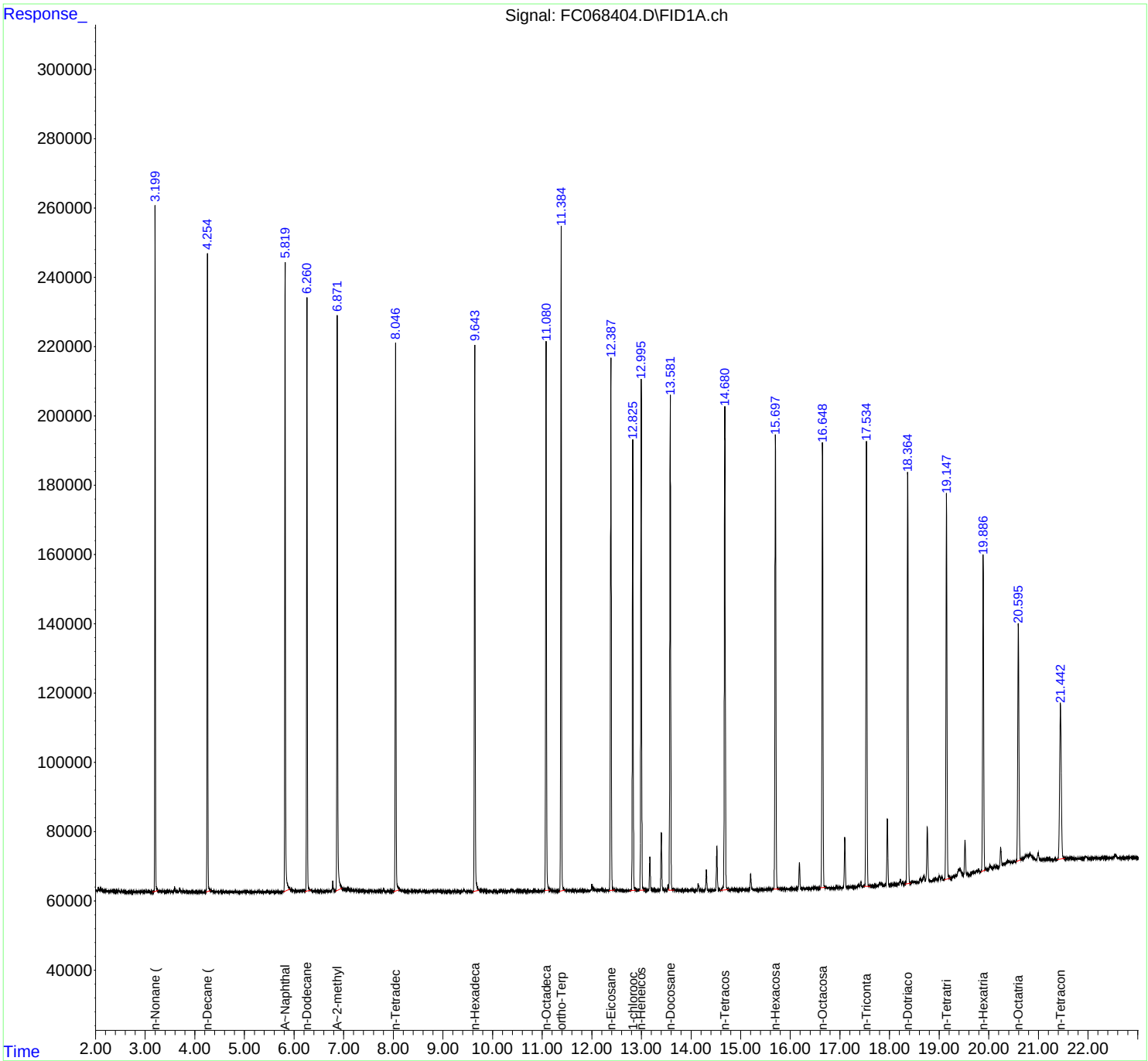
Quantitation Report (QT Reviewed)

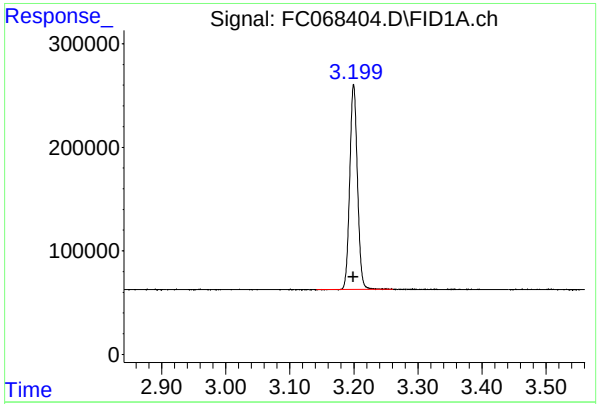
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 26 13:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

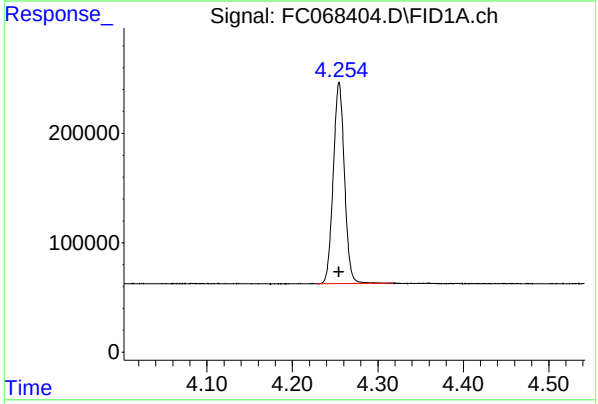




#1 n-Nonane (C9)

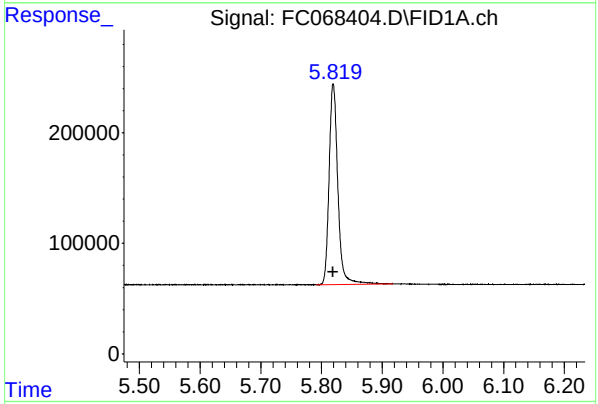
R.T.: 3.200 min
Delta R.T.: 0.000 min
Response: 1652195
Conc: 9.96 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



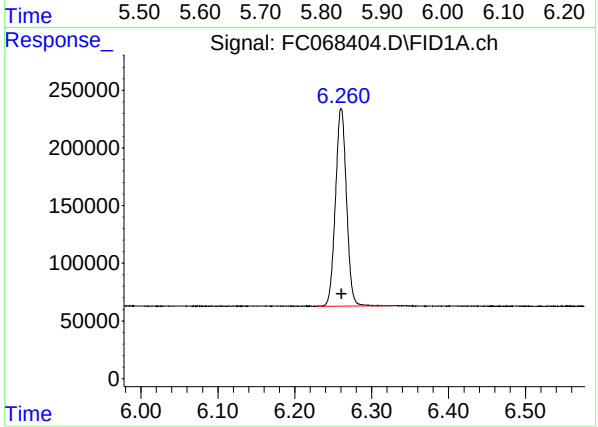
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1673518
Conc: 9.93 ug/ml



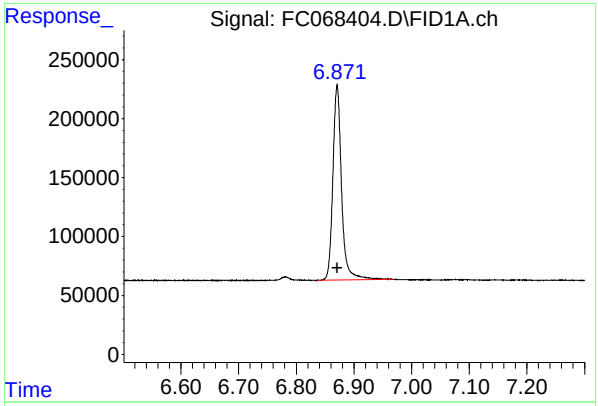
#3 A~Naphthalene (C11.7)

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 1817299
Conc: 9.84 ug/ml



#4 n-Dodecane (C12)

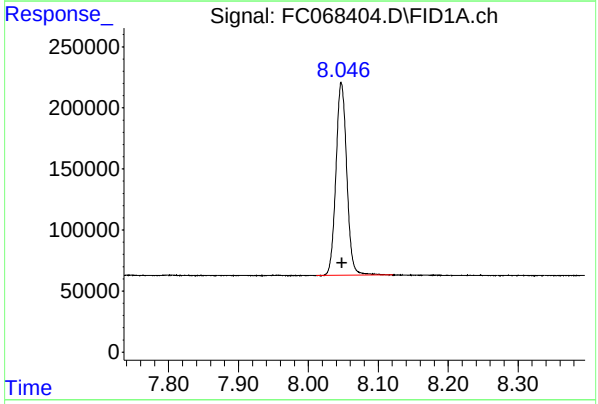
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 1706663
Conc: 9.98 ug/ml



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

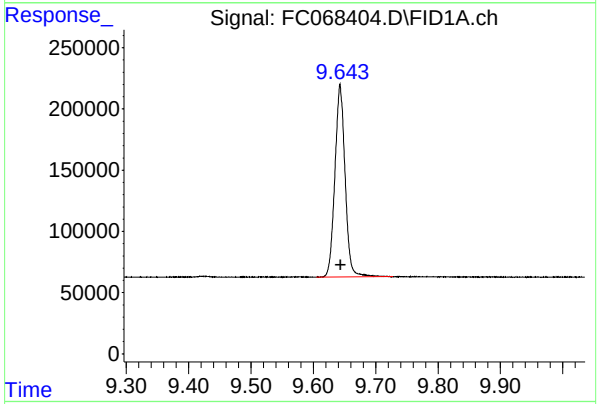
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 1740430
Conc: 9.76 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



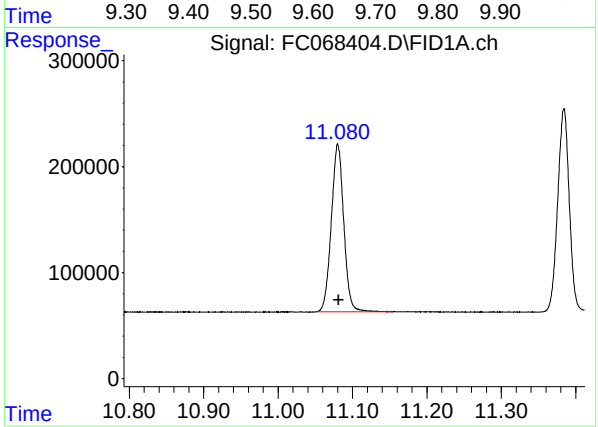
#6 n-Tetradecane (C14)

R.T.: 8.047 min
Delta R.T.: 0.000 min
Response: 1699414
Conc: 9.91 ug/ml



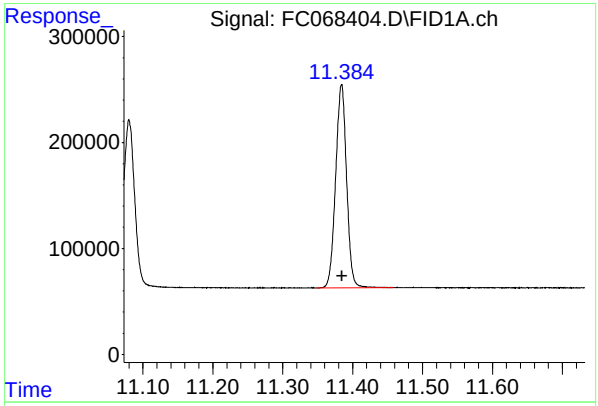
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 1787303
Conc: 9.95 ug/ml



#8 n-Octadecane (C18)

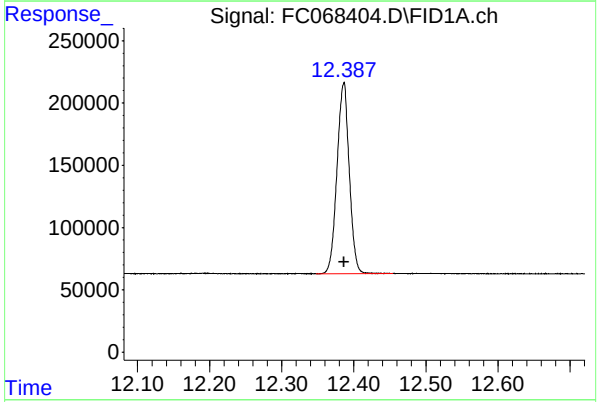
R.T.: 11.080 min
Delta R.T.: -0.001 min
Response: 1839600
Conc: 10.03 ug/ml



#9 ortho-Terphenyl (SURR)

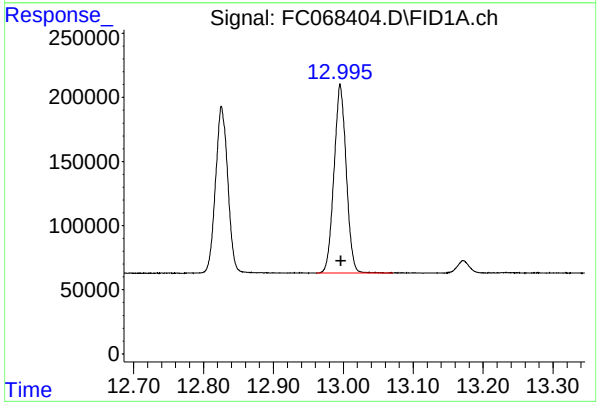
R.T.: 11.384 min
Delta R.T.: 0.000 min
Response: 2086658
Conc: 10.09 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



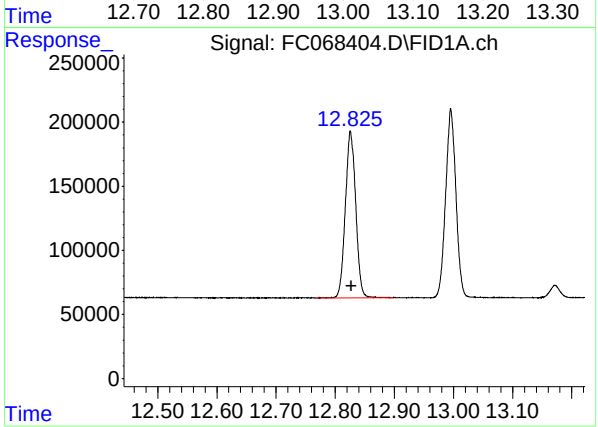
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 1812535
Conc: 10.17 ug/ml



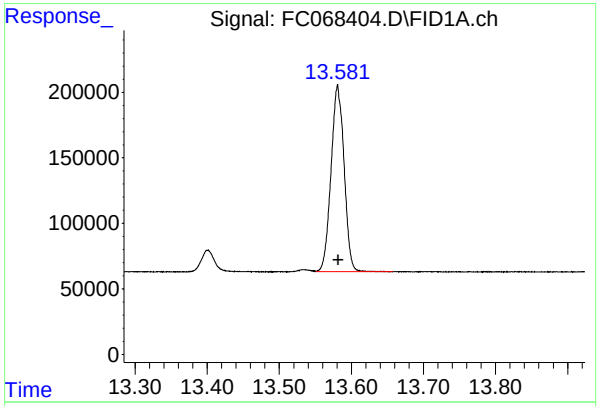
#11 n-Heneicosane (C21)

R.T.: 12.996 min
Delta R.T.: -0.001 min
Response: 1781013
Conc: 10.18 ug/ml



#12 1-chlorooctadecane (SURR)

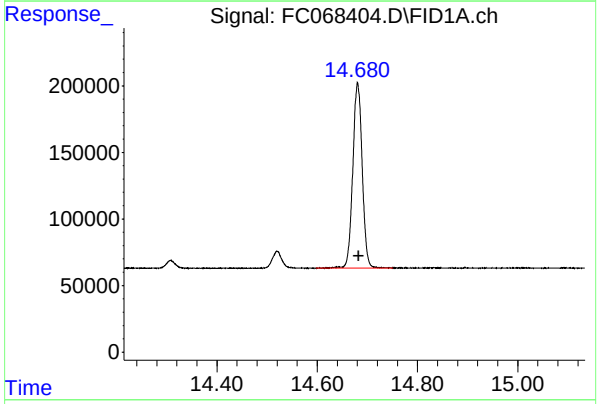
R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 1580360
Conc: 10.14 ug/ml



#13 n-Docosane (C22)

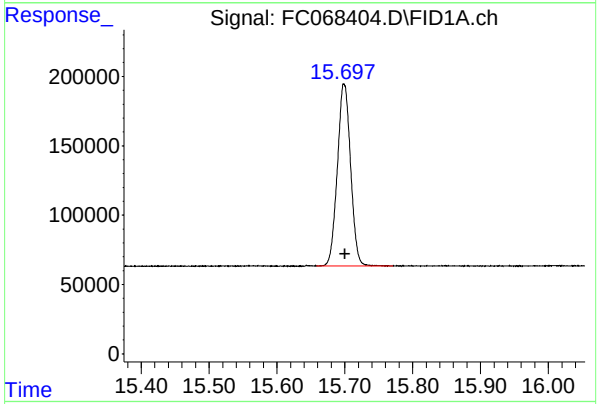
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 1793771
Conc: 10.27 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



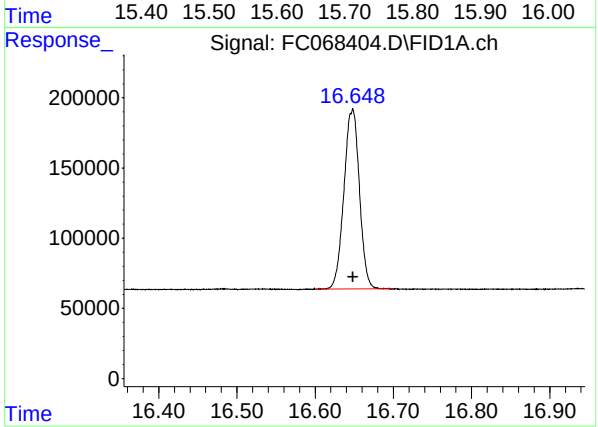
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 1816027
Conc: 10.43 ug/ml



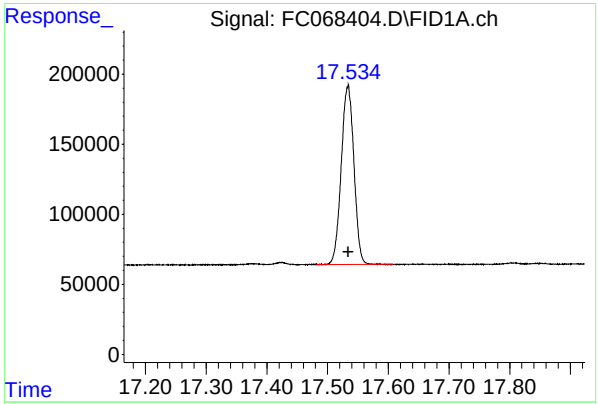
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 1777806
Conc: 10.44 ug/ml



#16 n-Octacosane (C28)

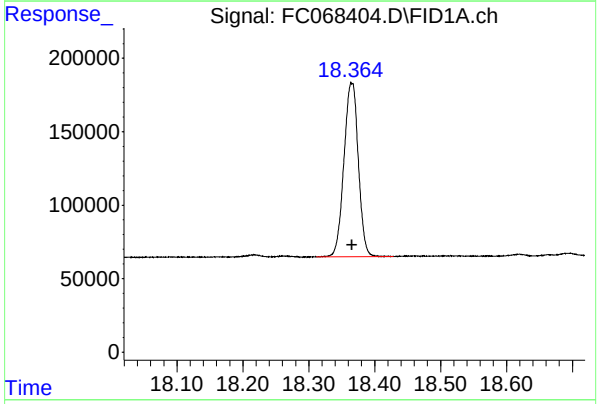
R.T.: 16.647 min
Delta R.T.: 0.000 min
Response: 1765534
Conc: 10.50 ug/ml



#17 n-Tricontane (C30)

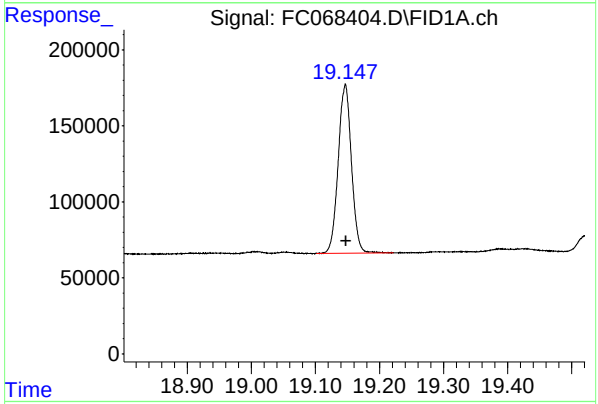
R.T.: 17.533 min
Delta R.T.: 0.000 min
Response: 1853554
Conc: 10.58 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



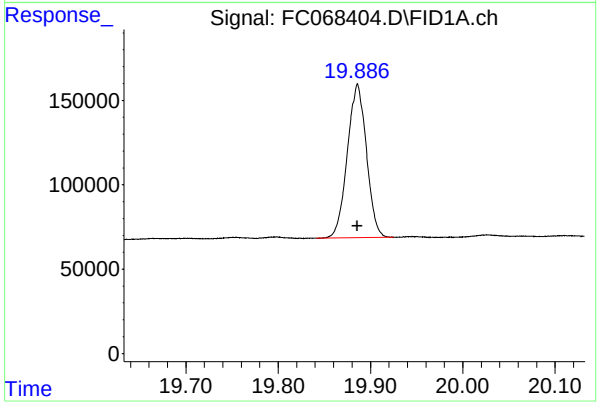
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 1792145
Conc: 10.57 ug/ml



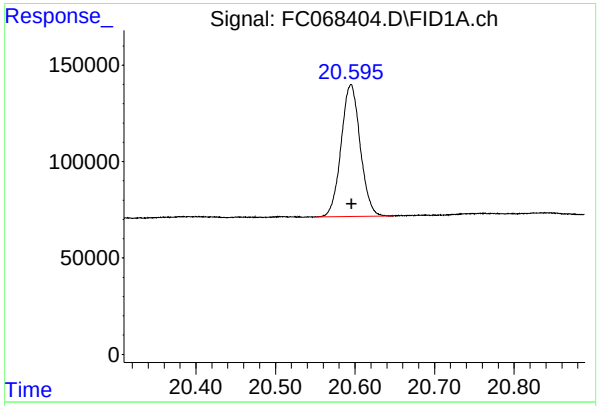
#19 n-Tetratriacontane (C34)

R.T.: 19.146 min
Delta R.T.: 0.000 min
Response: 1586807
Conc: 10.51 ug/ml



#20 n-Hexatriacontane (C36)

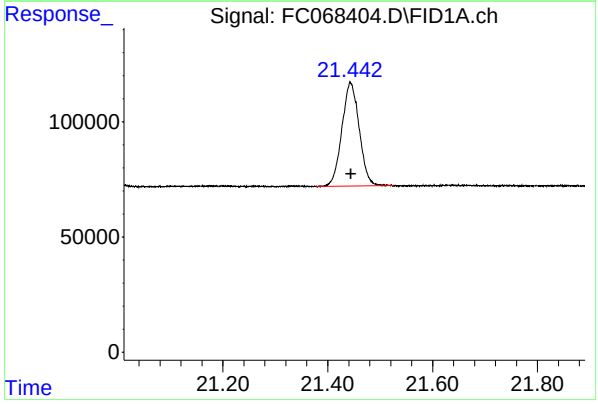
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 1308753
Conc: 10.32 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.595 min
Delta R.T.: -0.001 min
Response: 1139413
Conc: 10.17 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 1032339
Conc: 10.04 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.200	3.141	3.261	BB	195607	1652195	79.18%	4.460%
2	4.255	4.228	4.318	BB	183136	1673518	80.20%	4.518%
3	5.820	5.791	5.918	BB	179866	1817299	87.09%	4.906%
4	6.261	6.228	6.328	BB	171723	1706663	81.79%	4.607%
5	6.871	6.834	6.968	BB	164818	1740430	83.41%	4.698%
6	8.047	8.011	8.121	BB	157213	1699414	81.44%	4.588%
7	9.643	9.604	9.728	BB	153517	1787303	85.65%	4.825%
8	11.080	11.051	11.154	BB	157591	1839600	88.16%	4.966%
9	11.384	11.348	11.458	BB	192679	2086658	100.00%	5.633%
10	12.386	12.348	12.454	BB	151695	1812535	86.86%	4.893%
11	12.826	12.768	12.898	BB	125830	1580360	75.74%	4.266%
12	12.996	12.961	13.071	BB	145688	1781013	85.35%	4.808%
13	13.581	13.551	13.658	VB	140685	1793771	85.96%	4.842%
14	14.681	14.598	14.751	BB	138837	1816027	87.03%	4.902%
15	15.699	15.658	15.771	BB	132082	1777806	85.20%	4.799%
16	16.647	16.601	16.699	BBA	127402	1765534	84.61%	4.766%
17	17.533	17.481	17.608	BB	127760	1853554	88.83%	5.004%
18	18.365	18.311	18.428	BB	118545	1792145	85.89%	4.838%
19	19.146	19.101	19.221	BB	111502	1586807	76.05%	4.284%
20	19.886	19.841	19.924	BB	89375	1308753	62.72%	3.533%
21	20.595	20.551	20.648	BB	68161	1139413	54.60%	3.076%
22	21.443	21.378	21.524	BB	44776	1032339	49.47%	2.787%
			Sum of corrected areas:			37043136		

Aliphatic EPH 032625.M Wed Mar 26 15:19:19 2025

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

Lab Sample ID:	5 PPM ALIPHATIC HC S	Acq On:	26 Mar 2025 12:59
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068405.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	2480291.000	15.000	ug/ml
Aliphatic C12-C16	6.362	9.744	1690088.000	10.000	ug/ml
Aliphatic C16-C21	9.745	13.097	2722484.000	15.000	ug/ml
Aliphatic C21-C28	13.098	16.748	3908195.000	20.000	ug/ml
Aliphatic C28-C40	16.749	21.545	4969759.000	30.000	ug/ml
Aliphatic EPH	3.099		15770817.000	90.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 26 13:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:16:01 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)	11.383	1040771	5.303 ug/ml
Spiked Amount	50.000		Recovery =	10.61%
12)	S 1-chlorooctadecane (S...	12.826	787660	5.360 ug/ml
Spiked Amount	50.000		Recovery =	10.72%
	Target Compounds			
1)	T n-Nonane (C9)	3.200	819968	5.159 ug/ml
2)	T n-Decane (C10)	4.255	821987	5.089 ug/ml
3)	T A~Naphthalene (C11.7)	5.821	868483	4.895 ug/ml
4)	T n-Dodecane (C12)	6.261	838336	5.105 ug/ml
5)	T A~2-methylnaphthalene...	6.872	818798	4.769 ug/ml
6)	T n-Tetradecane (C14)	8.048	823942	5.010 ug/ml
7)	T n-Hexadecane (C16)	9.643	866146	5.050 ug/ml
8)	T n-Octadecane (C18)	11.080	907661	5.216 ug/ml
10)	T n-Eicosane (C20)	12.385	917135	5.452 ug/ml
11)	T n-Heneicosane (C21)	12.995	897688	5.447 ug/ml
13)	T n-Docosane (C22)	13.580	924581	5.616 ug/ml
14)	T n-Tetracosane (C24)	14.681	982703	5.958 ug/ml
15)	T n-Hexacosane (C26)	15.699	982054	6.089 ug/ml
16)	T n-Octacosane (C28)	16.647	1018857	6.446 ug/ml
17)	T n-Tricontane (C30)	17.533	1117126	6.892 ug/ml
18)	T n-Dotriacontane (C32)	18.363	1085377	7.003 ug/ml
19)	T n-Tetratriacontane (C34)	19.145	914648	6.597 ug/ml
20)	T n-Hexatriacontane (C36)	19.884	718338	6.137 ug/ml
21)	T n-Octatriacontane (C38)	20.594	606676	5.839 ug/ml
22)	T n-Tetracontane (C40)	21.442	527594	5.488 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

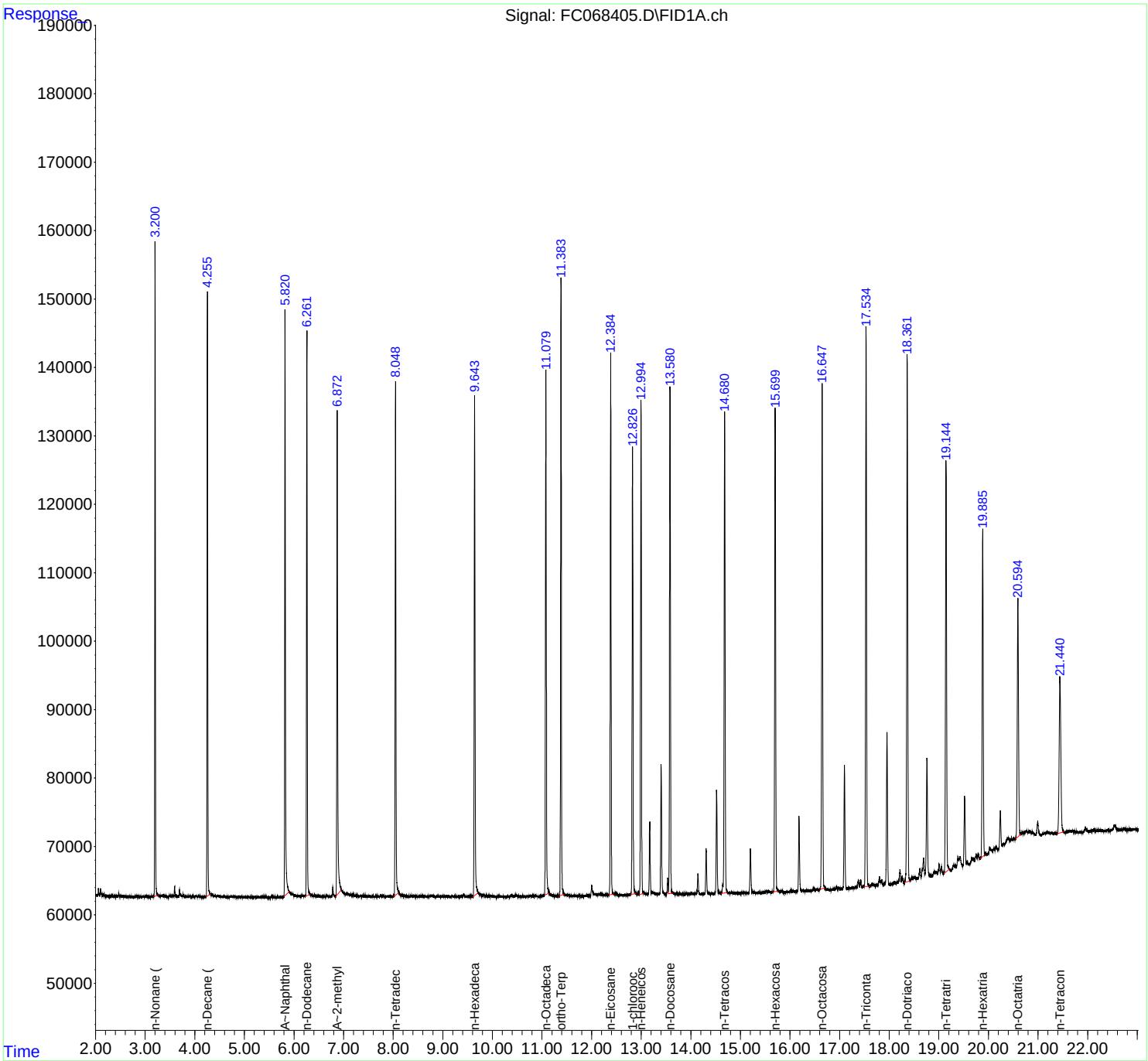
Quantitation Report (QT Reviewed)

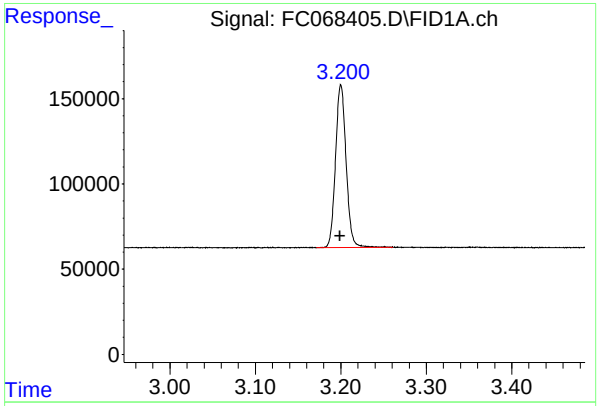
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 26 13:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:16:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

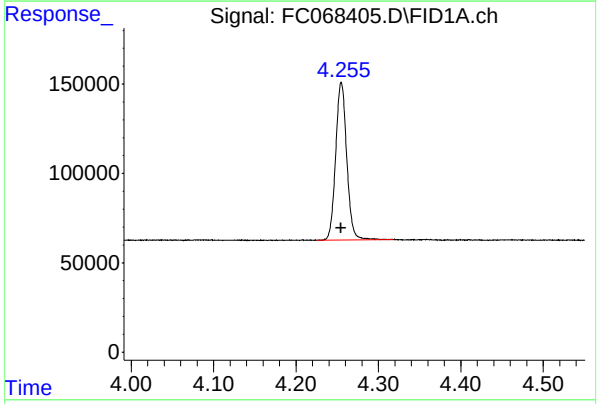




#1 n-Nonane (C9)

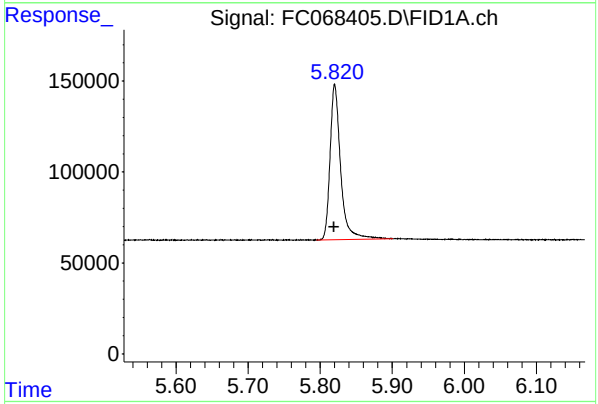
R.T.: 3.200 min
Delta R.T.: 0.001 min
Response: 819968
Conc: 5.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



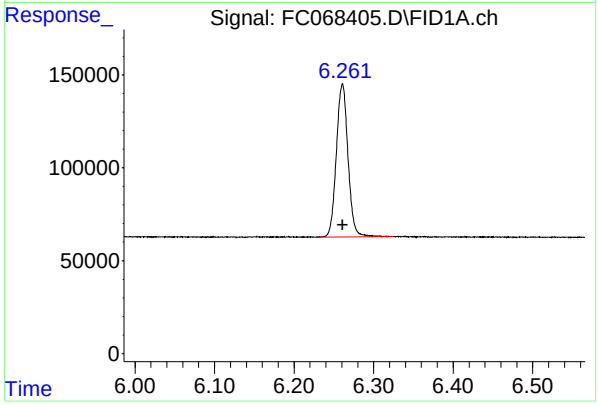
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 821987
Conc: 5.09 ug/ml



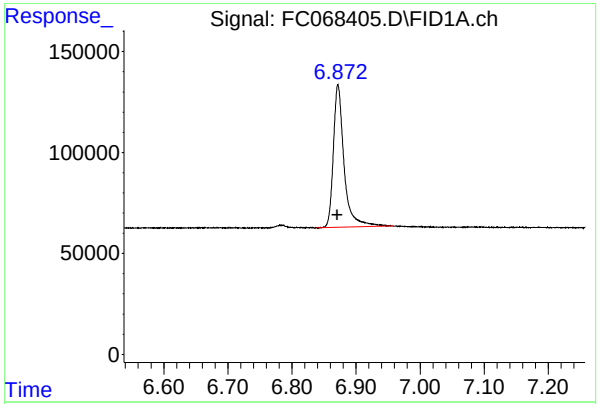
#3 A~Naphthalene (C11.7)

R.T.: 5.821 min
Delta R.T.: 0.001 min
Response: 868483
Conc: 4.90 ug/ml



#4 n-Dodecane (C12)

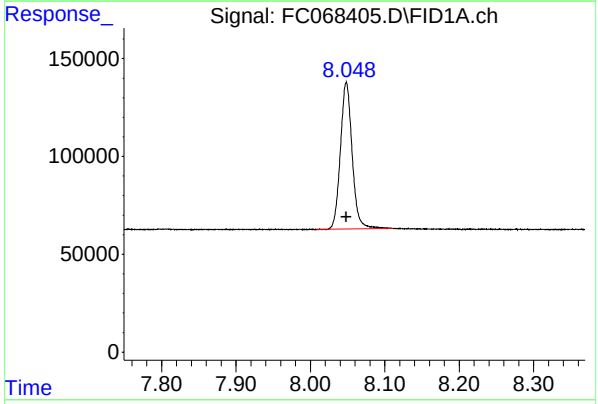
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 838336
Conc: 5.11 ug/ml



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

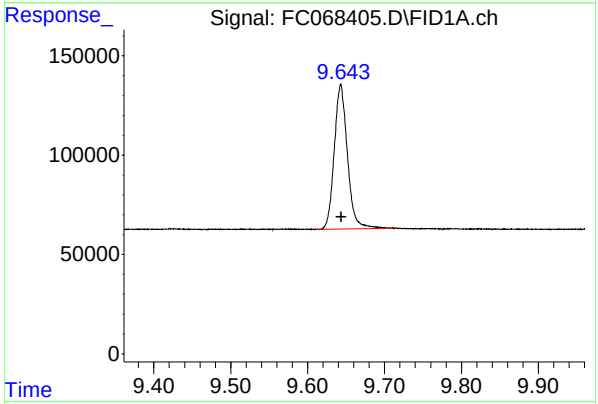
R.T.: 6.872 min
Delta R.T.: 0.001 min
Response: 818798
Conc: 4.77 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



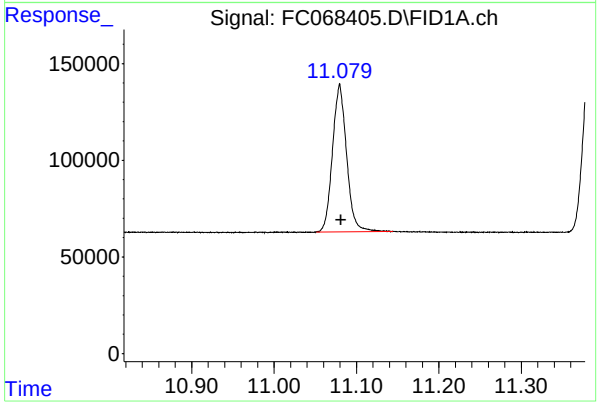
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 823942
Conc: 5.01 ug/ml



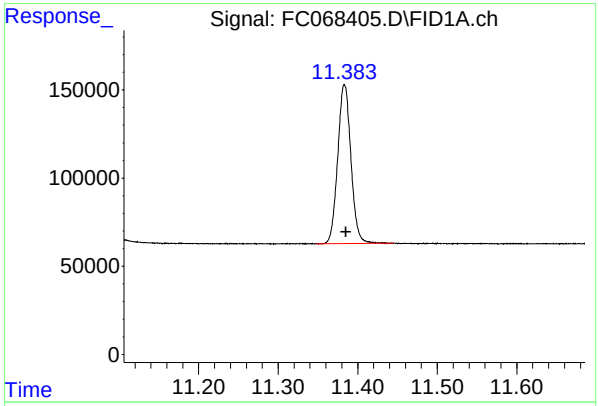
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 866146
Conc: 5.05 ug/ml



#8 n-Octadecane (C18)

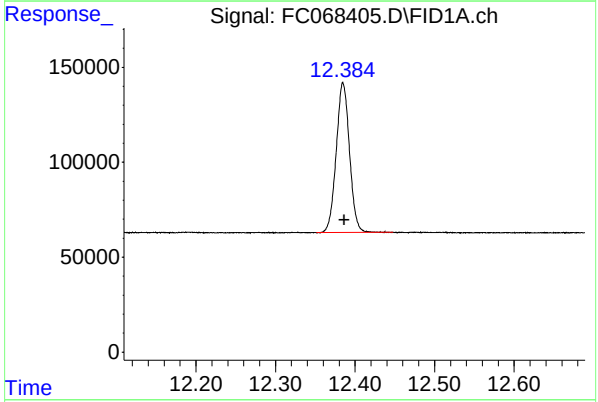
R.T.: 11.080 min
Delta R.T.: -0.002 min
Response: 907661
Conc: 5.22 ug/ml



#9 ortho-Terphenyl (SURR)

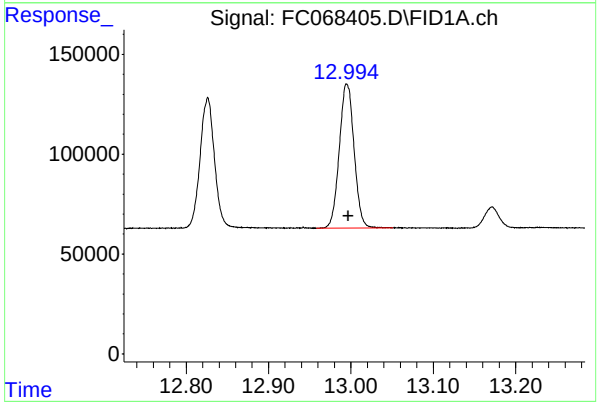
R.T.: 11.383 min
Delta R.T.: -0.002 min
Response: 1040771
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



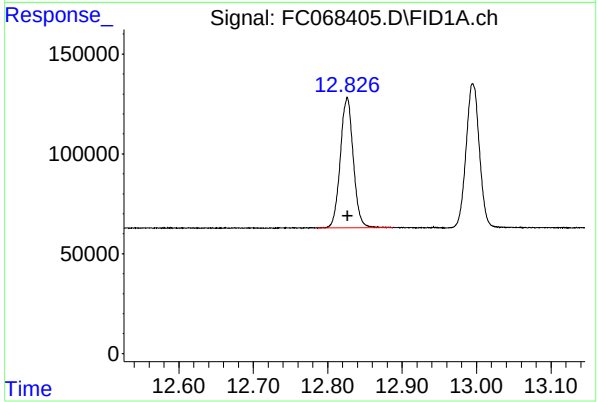
#10 n-Eicosane (C20)

R.T.: 12.385 min
Delta R.T.: -0.002 min
Response: 917135
Conc: 5.45 ug/ml



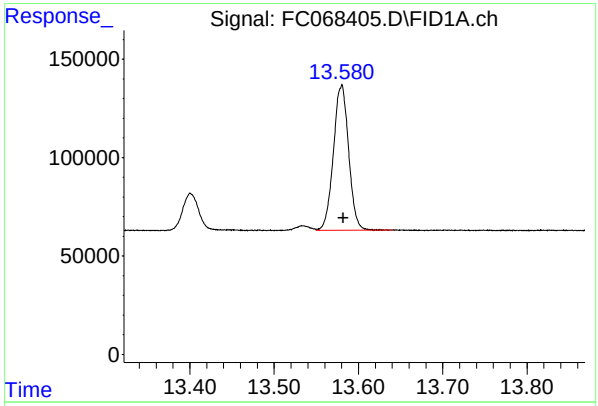
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: -0.002 min
Response: 897688
Conc: 5.45 ug/ml



#12 1-chlorooctadecane (SURR)

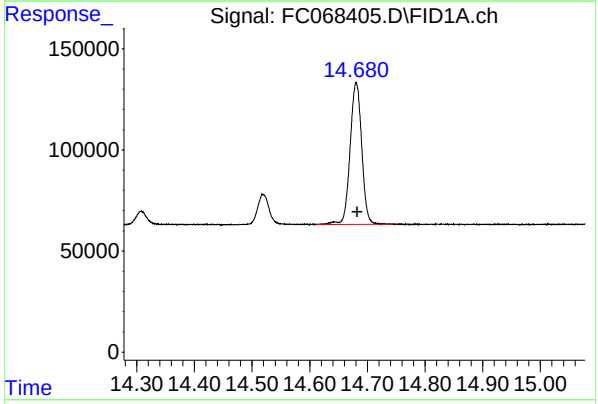
R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 787660
Conc: 5.36 ug/ml



#13 n-Docosane (C22)

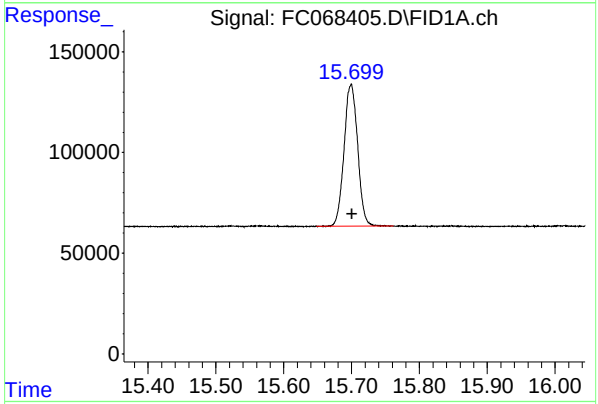
R.T.: 13.580 min
Delta R.T.: -0.002 min
Response: 924581
Conc: 5.62 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



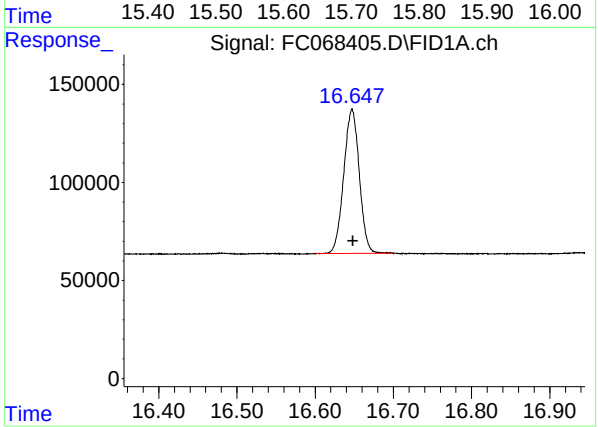
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 982703
Conc: 5.96 ug/ml



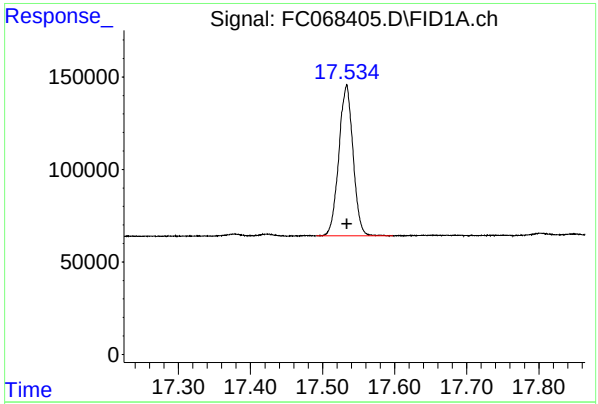
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 982054
Conc: 6.09 ug/ml



#16 n-Octacosane (C28)

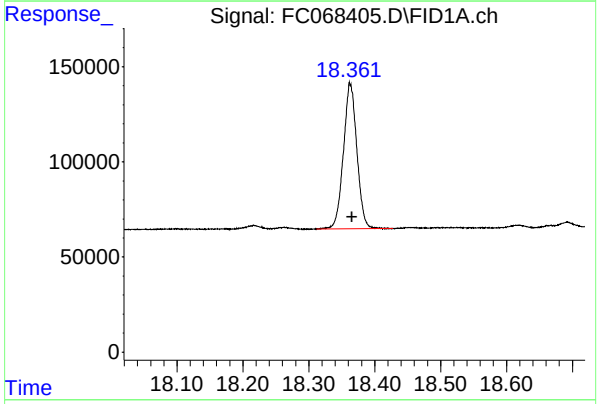
R.T.: 16.647 min
Delta R.T.: -0.001 min
Response: 1018857
Conc: 6.45 ug/ml



#17 n-Tricontane (C30)

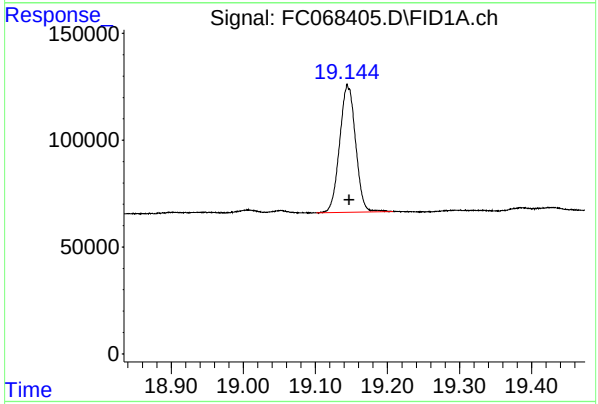
R.T.: 17.533 min
Delta R.T.: -0.001 min
Response: 1117126
Conc: 6.89 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



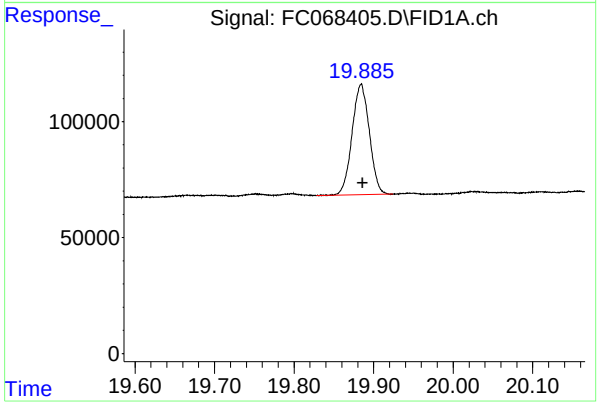
#18 n-Dotriacontane (C32)

R.T.: 18.363 min
Delta R.T.: -0.002 min
Response: 1085377
Conc: 7.00 ug/ml



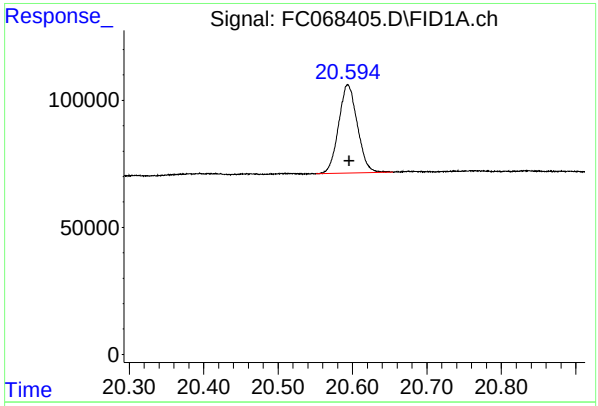
#19 n-Tetratriacontane (C34)

R.T.: 19.145 min
Delta R.T.: -0.002 min
Response: 914648
Conc: 6.60 ug/ml



#20 n-Hexatriacontane (C36)

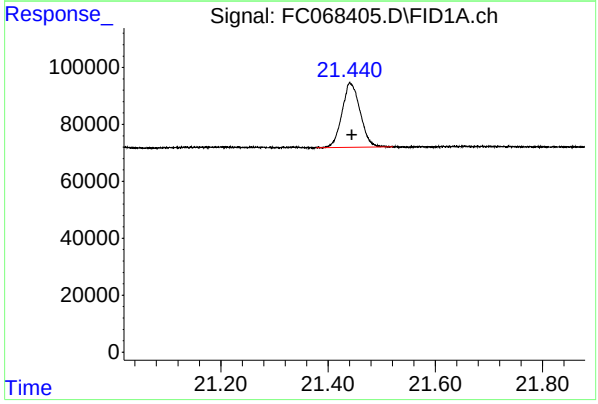
R.T.: 19.884 min
Delta R.T.: -0.002 min
Response: 718338
Conc: 6.14 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.594 min
Delta R.T.: -0.002 min
Response: 606676
Conc: 5.84 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.442 min
Delta R.T.: -0.003 min
Response: 527594
Conc: 5.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.200	3.171	3.261	BB	95009	819968	73.40%	4.252%
2	4.255	4.224	4.318	BB	88062	821987	73.58%	4.262%
3	5.821	5.794	5.901	BB	84303	868483	77.74%	4.503%
4	6.261	6.228	6.324	BB	82314	838336	75.04%	4.347%
5	6.872	6.838	6.958	BB	70545	818798	73.30%	4.245%
6	8.048	8.008	8.111	BB	74911	823942	73.76%	4.272%
7	9.643	9.611	9.711	BB	72124	866146	77.53%	4.491%
8	11.080	11.051	11.144	BB	75142	907661	81.25%	4.706%
9	11.383	11.348	11.444	BB	90389	1040771	93.17%	5.396%
10	12.385	12.351	12.448	BB	78929	917135	82.10%	4.755%
11	12.826	12.784	12.888	BB	64234	787660	70.51%	4.084%
12	12.995	12.958	13.051	BB	72551	897688	80.36%	4.654%
13	13.580	13.550	13.641	VB	74173	924581	82.76%	4.794%
14	14.681	14.611	14.744	BB	70161	982703	87.97%	5.095%
15	15.699	15.648	15.761	BB	69966	982054	87.91%	5.092%
16	16.647	16.601	16.699	BBA	73620	1018857	91.20%	5.283%
17	17.533	17.491	17.598	BB	81984	1117126	100.00%	5.792%
18	18.363	18.311	18.428	BB	75142	1085377	97.16%	5.628%
19	19.145	19.101	19.208	BB	59372	914648	81.88%	4.742%
20	19.884	19.828	19.924	BB	47750	718338	64.30%	3.725%
21	20.594	20.551	20.654	BB	34654	606676	54.31%	3.146%
22	21.442	21.378	21.521	BB	22563	527594	47.23%	2.736%
			Sum of corrected areas:			19286529		

Aliphatic EPH 032625.M Wed Mar 26 15:17:56 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	20 PPM ALIPHATIC HC S'	Acq On:	26 Mar 2025 13:36
Client Sample ID:	20 PPM ALIPHATIC HC S'	Operator:	YP/AJ
Data file:	FC068406.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.361	13910263	85.697	300	ug/ml
Aliphatic C12-C16	6.362	9.744	10686463	63.536	200	ug/ml
Aliphatic C16-C21	9.745	13.097	10906162	63.589	300	ug/ml
Aliphatic C21-C28	13.098	16.748	13889989	82.253	400	ug/ml
Aliphatic C28-C40	16.749	21.545	16795278	123.339	600	ug/ml
Aliphatic EPH	3.099	21.545	66188155	418.414		ug/ml
ortho-Terphenyl (SURR)	11.385	11.385	4184619	21.07		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	3169108	21.26		ug/ml
Aliphatic C9-C28	3.099	16.748	49392877	295.075	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 26 15:08:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.385	4184619	21.067 ug/ml
Spiked Amount	50.000		Recovery =	42.13%
12)	S 1-chlorooctadecane (S...	12.827	3169108	21.259 ug/ml
Spiked Amount	50.000		Recovery =	42.52%
	Target Compounds			
1)	T n-Nonane (C9)	3.199	3345481	20.917 ug/ml
2)	T n-Decane (C10)	4.255	3402627	20.990 ug/ml
3)	T A~Naphthalene (C11.7)	5.819	3710999	21.004 ug/ml
4)	T n-Dodecane (C12)	6.261	3451156	20.928 ug/ml
5)	T A~2-methylnaphthalene...	6.871	3589505	21.103 ug/ml
6)	T n-Tetradecane (C14)	8.049	3457908	21.016 ug/ml
7)	T n-Hexadecane (C16)	9.644	3639050	21.176 ug/ml
8)	T n-Octadecane (C18)	11.081	3725197	21.223 ug/ml
10)	T n-Eicosane (C20)	12.386	3623685	21.158 ug/ml
11)	T n-Heneicosane (C21)	12.997	3557280	21.207 ug/ml
13)	T n-Docosane (C22)	13.581	3546383	21.022 ug/ml
14)	T n-Tetracosane (C24)	14.682	3528543	20.603 ug/ml
15)	T n-Hexacosane (C26)	15.700	3433946	20.403 ug/ml
16)	T n-Octacosane (C28)	16.649	3381117	20.221 ug/ml
17)	T n-Tricontane (C30)	17.535	3518206	20.178 ug/ml
18)	T n-Dotriacontane (C32)	18.365	3395540	20.284 ug/ml
19)	T n-Tetratriacontane (C34)	19.148	3029523	20.539 ug/ml
20)	T n-Hexatriacontane (C36)	19.885	2556410	20.889 ug/ml
21)	T n-Octatriacontane (C38)	20.597	2239784	20.857 ug/ml
22)	T n-Tetracontane (C40)	21.443	2055815	20.976 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

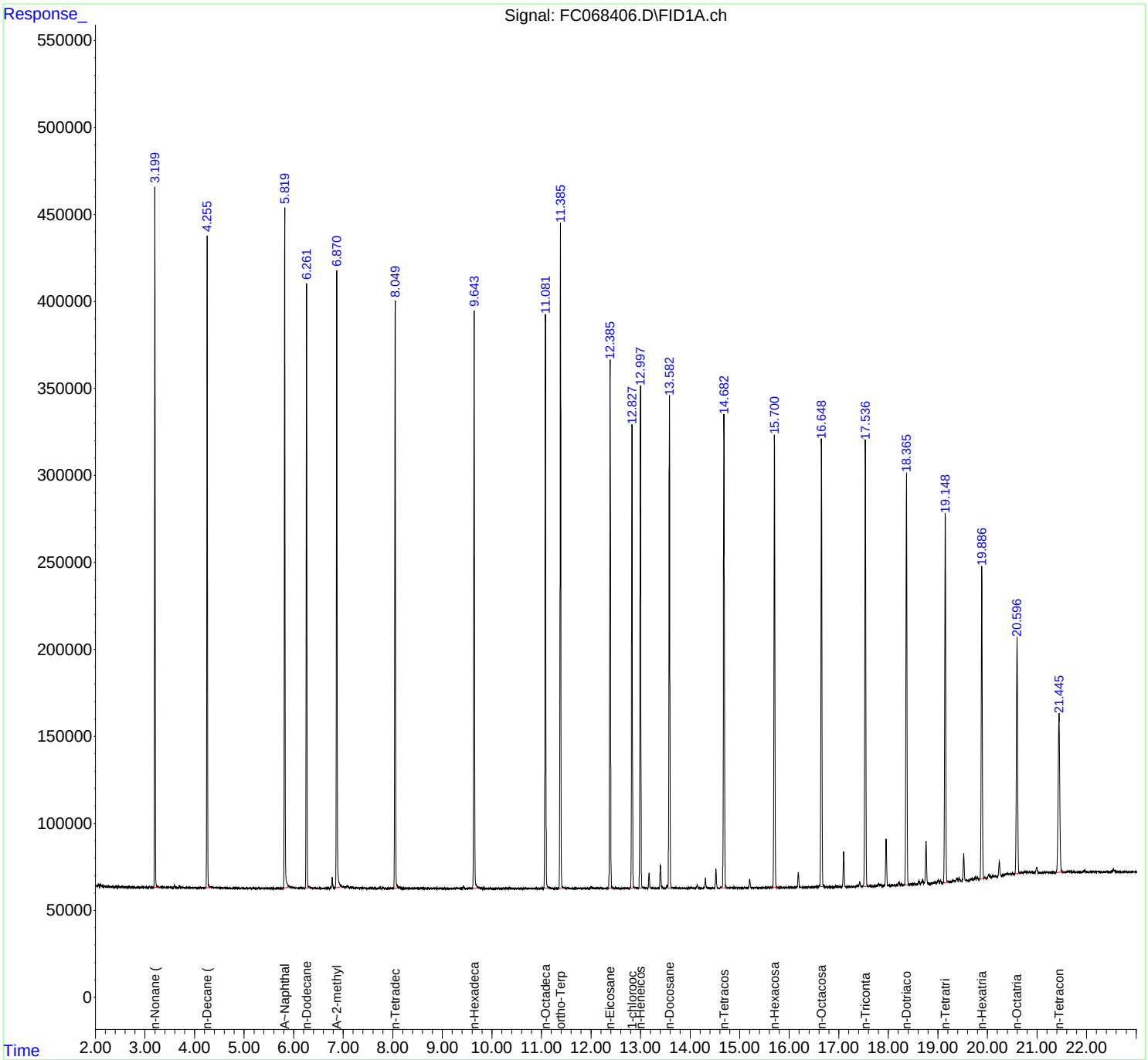
Quantitation Report (QT Reviewed)

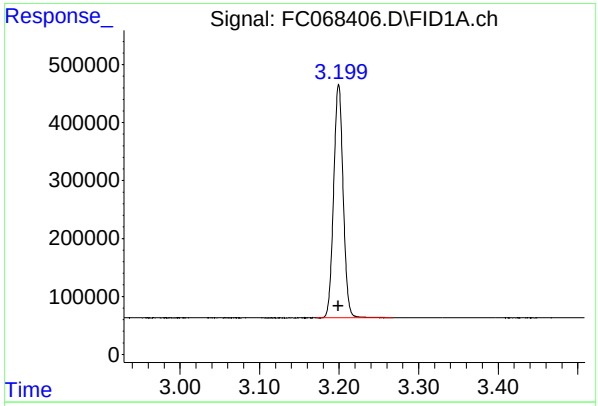
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 26 15:08:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

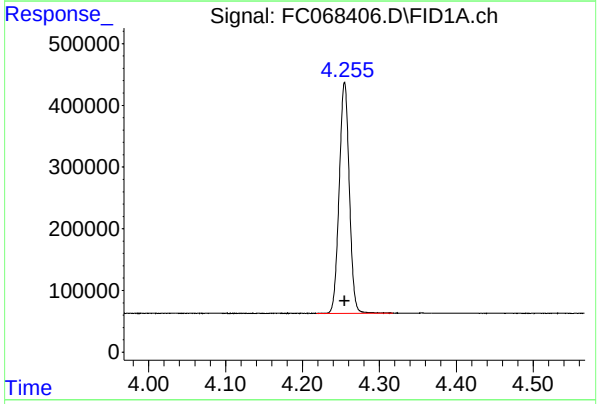




#1 n-Nonane (C9)

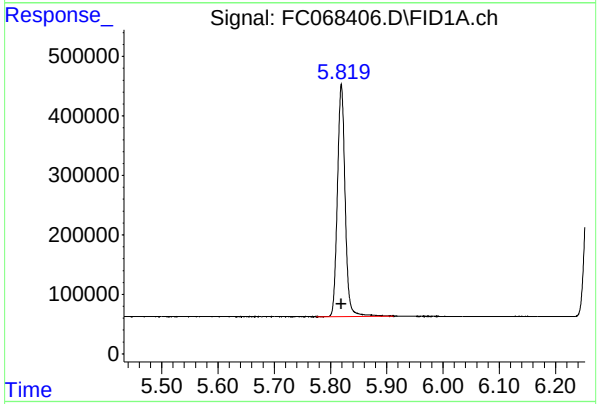
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3345481
Conc: 20.92 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



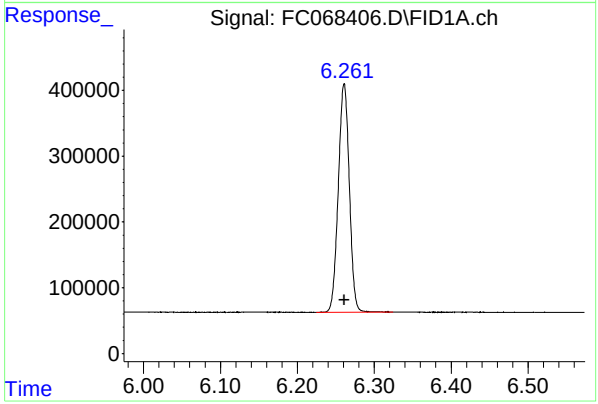
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3402627
Conc: 20.99 ug/ml



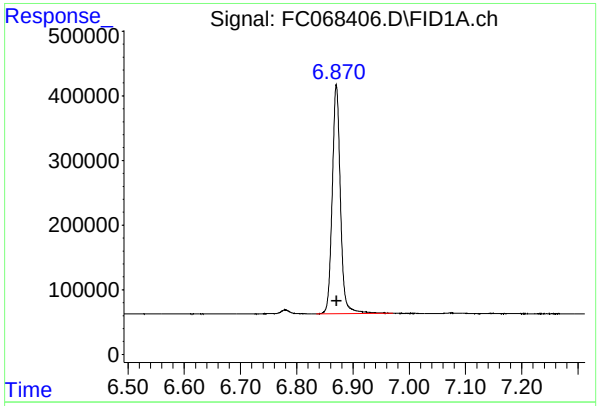
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3710999
Conc: 21.00 ug/ml



#4 n-Dodecane (C12)

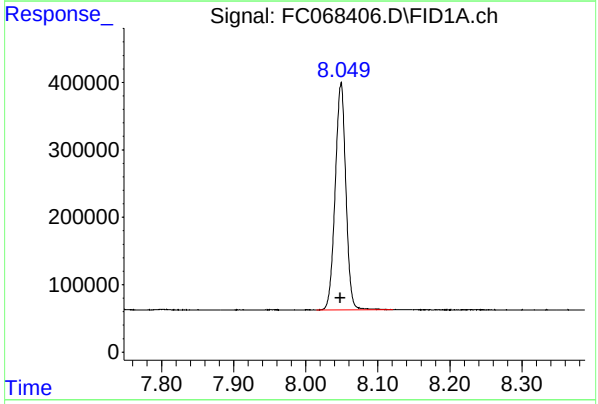
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3451156
Conc: 20.93 ug/ml



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

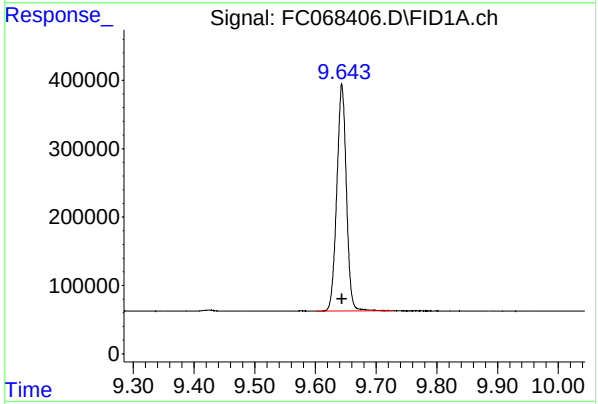
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3589505
Conc: 21.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



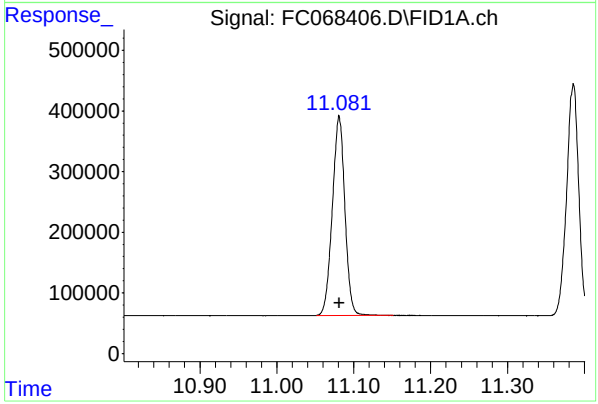
#6 n-Tetradecane (C14)

R.T.: 8.049 min
Delta R.T.: 0.000 min
Response: 3457908
Conc: 21.02 ug/ml



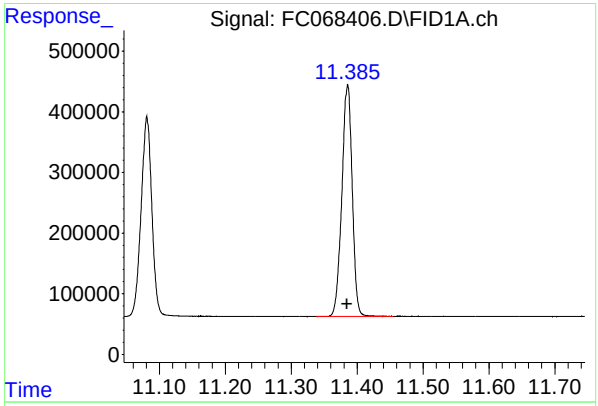
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3639050
Conc: 21.18 ug/ml



#8 n-Octadecane (C18)

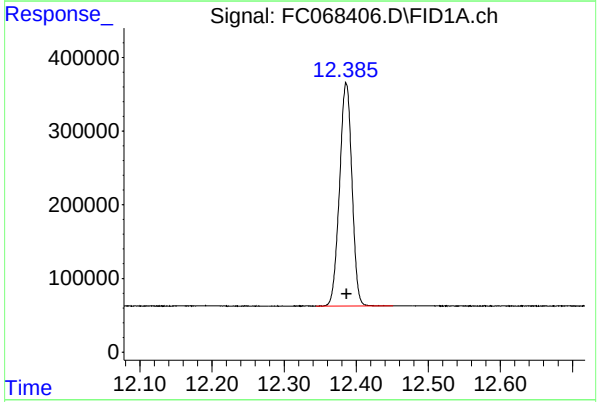
R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3725197
Conc: 21.22 ug/ml



#9 ortho-Terphenyl (SURR)

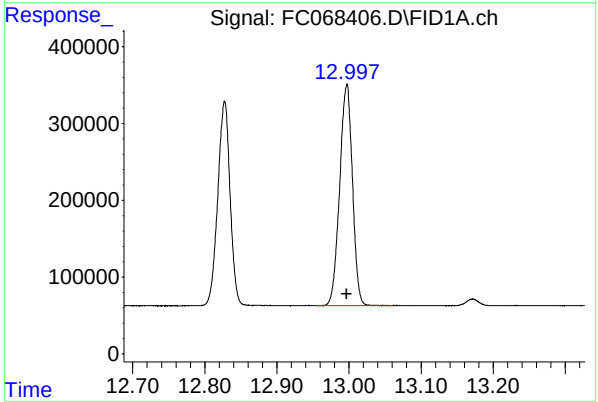
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4184619
Conc: 21.07 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



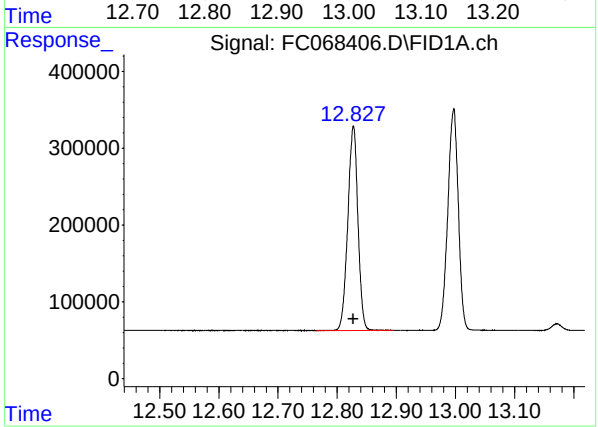
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 3623685
Conc: 21.16 ug/ml



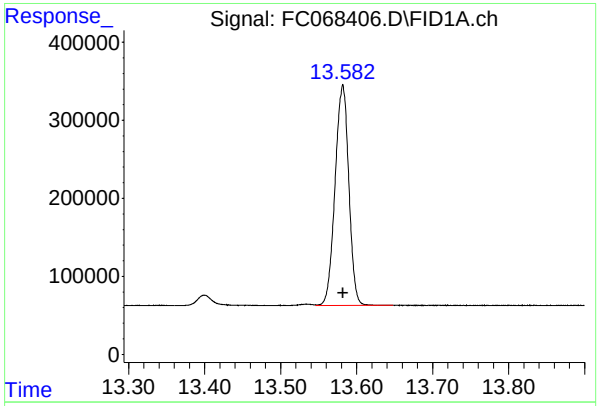
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3557280
Conc: 21.21 ug/ml



#12 1-chlorooctadecane (SURR)

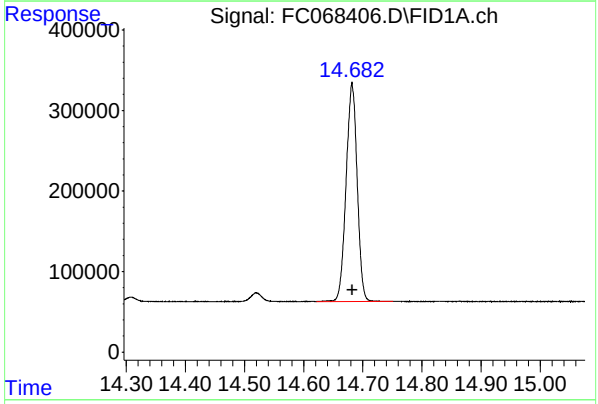
R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3169108
Conc: 21.26 ug/ml



#13 n-Docosane (C22)

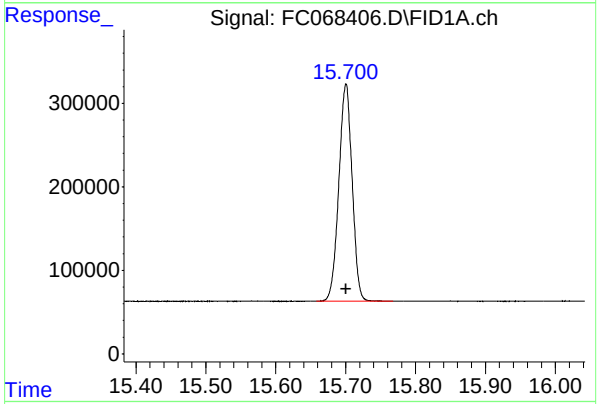
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 3546383
Conc: 21.02 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



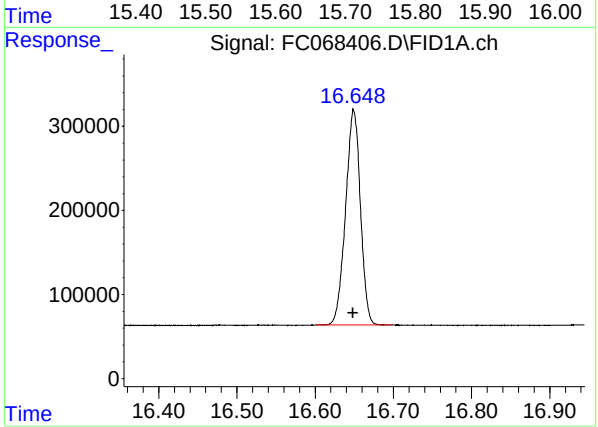
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3528543
Conc: 20.60 ug/ml



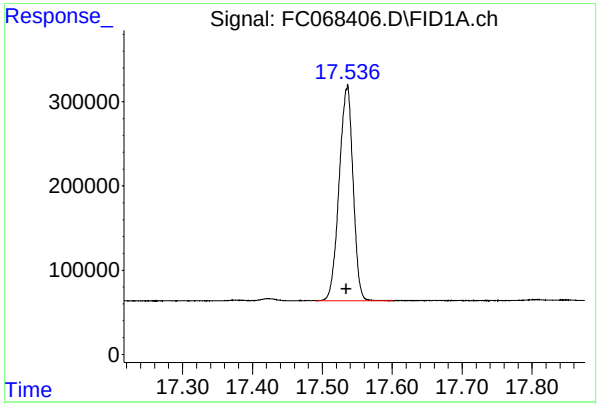
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3433946
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

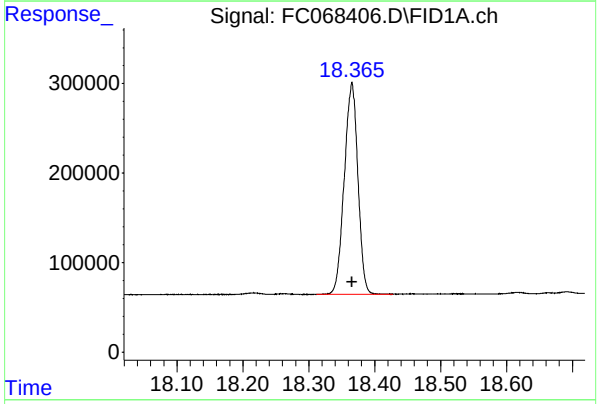
R.T.: 16.649 min
Delta R.T.: 0.001 min
Response: 3381117
Conc: 20.22 ug/ml



#17 n-Tricontane (C30)

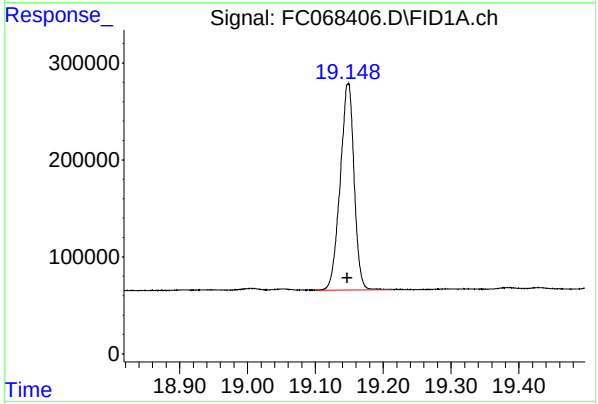
R.T.: 17.535 min
Delta R.T.: 0.000 min
Response: 3518206
Conc: 20.18 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



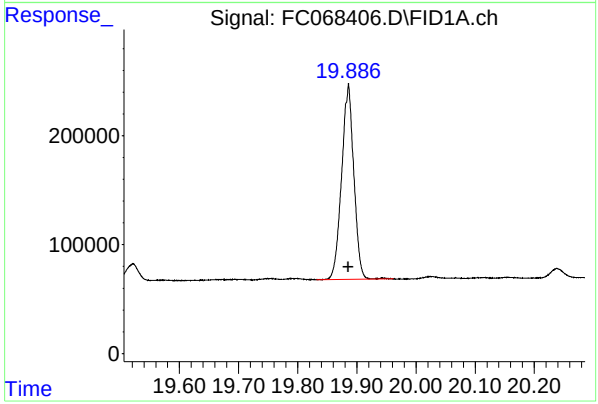
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3395540
Conc: 20.28 ug/ml



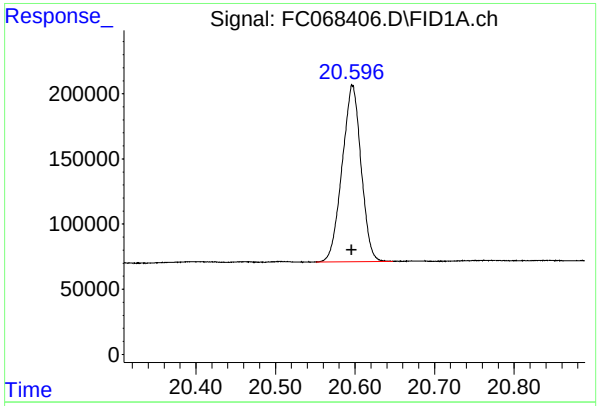
#19 n-Tetratriacontane (C34)

R.T.: 19.148 min
Delta R.T.: 0.000 min
Response: 3029523
Conc: 20.54 ug/ml



#20 n-Hexatriacontane (C36)

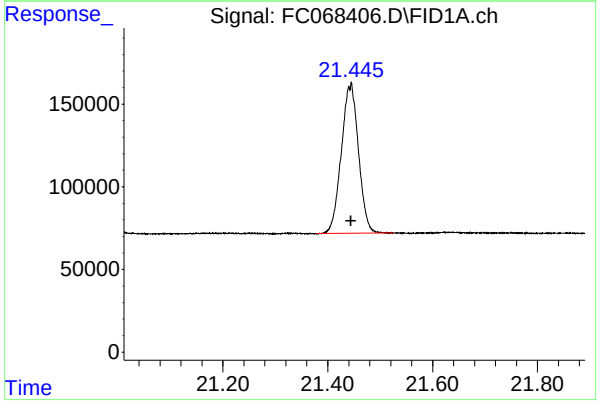
R.T.: 19.885 min
Delta R.T.: 0.000 min
Response: 2556410
Conc: 20.89 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.597 min
Delta R.T.: 0.001 min
Response: 2239784
Conc: 20.86 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 2055815
Conc: 20.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.199	3.171	3.268	BB	400920	3345481	79.95%	4.549%
2	4.255	4.218	4.318	BB	374377	3402627	81.31%	4.627%
3	5.819	5.774	5.911	BB	385060	3710999	88.68%	5.046%
4	6.261	6.224	6.324	BB	347782	3451156	82.47%	4.693%
5	6.871	6.834	6.971	BB	353264	3589505	85.78%	4.881%
6	8.049	8.014	8.121	BB	333413	3457908	82.63%	4.702%
7	9.644	9.601	9.728	BB	328720	3639050	86.96%	4.948%
8	11.081	11.051	11.151	BB	327947	3725197	89.02%	5.065%
9	11.385	11.338	11.454	BB	378645	4184619	100.00%	5.690%
10	12.386	12.344	12.451	BB	303646	3623685	86.60%	4.927%
11	12.827	12.764	12.894	BB	267436	3169108	75.73%	4.309%
12	12.997	12.954	13.061	BB	290830	3557280	85.01%	4.837%
13	13.581	13.547	13.648	VB	280698	3546383	84.75%	4.822%
14	14.682	14.621	14.751	BB	269951	3528543	84.32%	4.798%
15	15.700	15.658	15.768	BB	261469	3433946	82.06%	4.669%
16	16.649	16.601	16.699	BBA	252617	3381117	80.80%	4.598%
17	17.535	17.491	17.601	BB	252856	3518206	84.07%	4.784%
18	18.365	18.311	18.428	BB	233659	3395540	81.14%	4.617%
19	19.148	19.101	19.214	BB	213686	3029523	72.40%	4.119%
20	19.885	19.831	19.961	BB	172391	2556410	61.09%	3.476%
21	20.597	20.551	20.648	BB	135273	2239784	53.52%	3.046%
22	21.443	21.378	21.524	BB	90309	2055815	49.13%	2.795%
			Sum of corrected areas:			73541882		

Aliphatic EPH 032625.M Wed Mar 26 15:17:11 2025

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

Inital 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	135374.3939998	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	

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

Inital 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	

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

Lab Sample ID:	100 PPM ALIPHATIC HC	Acq On:	17 Mar 2025 17:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015685.D	Misc:	
Instrument:	FID_F	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	35791753.000	300.000	ug/ml
Aliphatic C12-C16	6.834	10.268	24749935.000	200.000	ug/ml
Aliphatic C16-C21	10.269	13.635	37540731.000	300.000	ug/ml
Aliphatic C21-C28	13.636	17.300	47415607.000	400.000	ug/ml
Aliphatic C28-C40	17.301	22.197	55895010.000	600.000	ug/ml
Aliphatic EPH	3.209		201393036.000	1800.000	ug/ml

Quantitation Report (QT Reviewed)

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

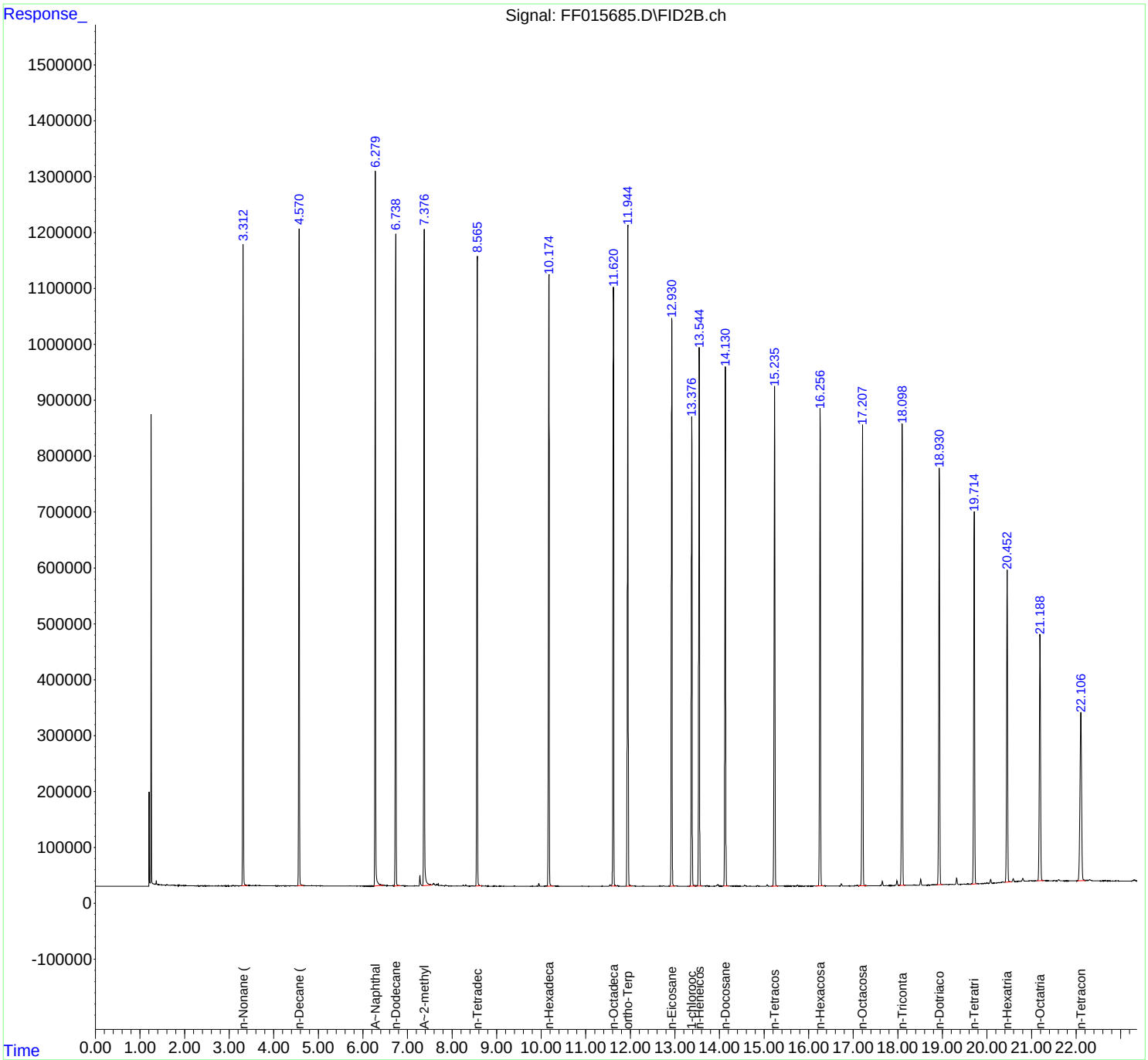
(f)=RT Delta > 1/2 Window (m)=manual int.

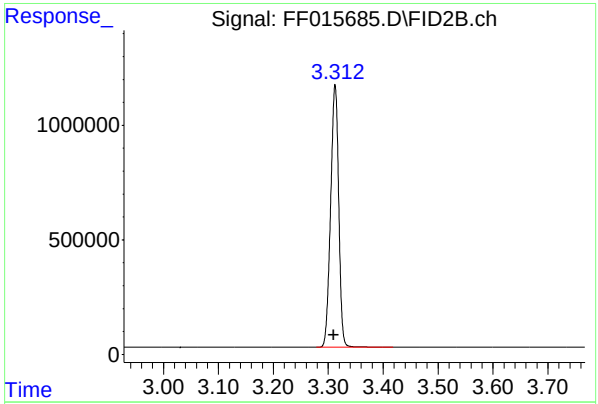
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015685.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

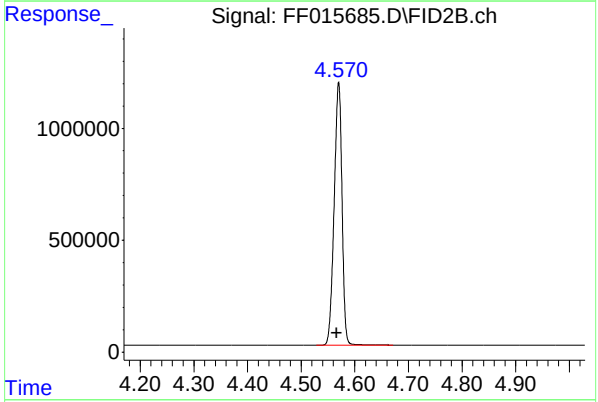




#1 n-Nonane (C9)

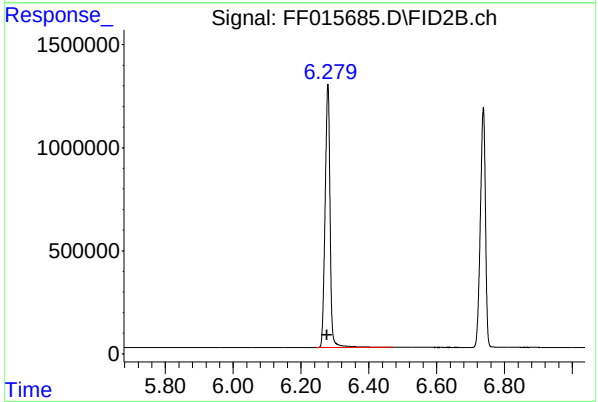
R.T.: 3.312 min
Delta R.T.: 0.002 min
Response: 11714769
Conc: 88.73 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



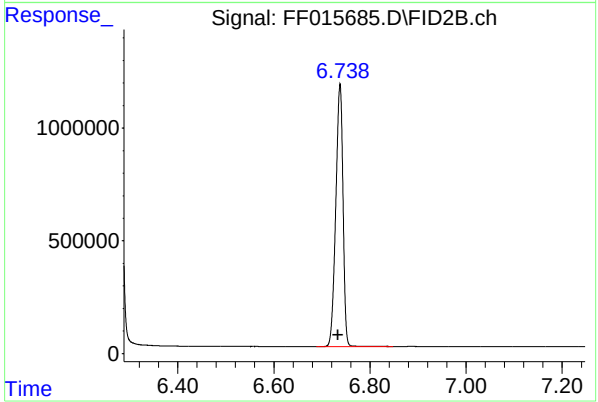
#2 n-Decane (C10)

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



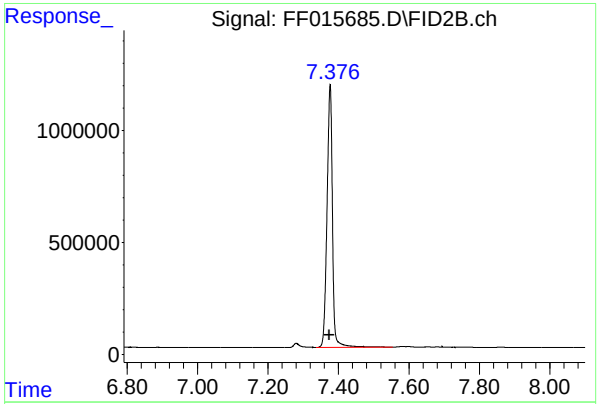
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

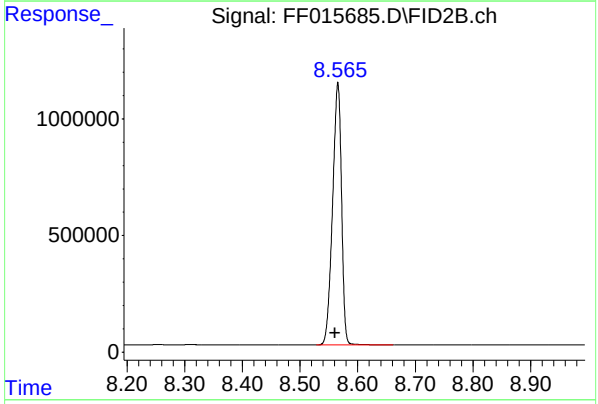
R.T.: 6.737 min
Delta R.T.: 0.004 min
Response: 12135452
Conc: 88.86 ug/ml



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

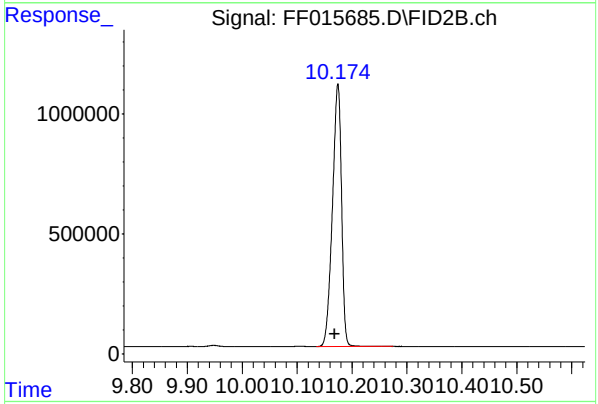
R.T.: 7.376 min
Delta R.T.: 0.002 min
Response: 12513053
Conc: 95.68 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



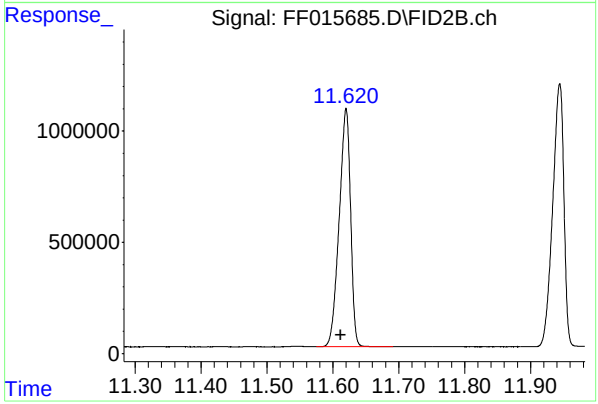
#6 n-Tetradecane (C14)

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



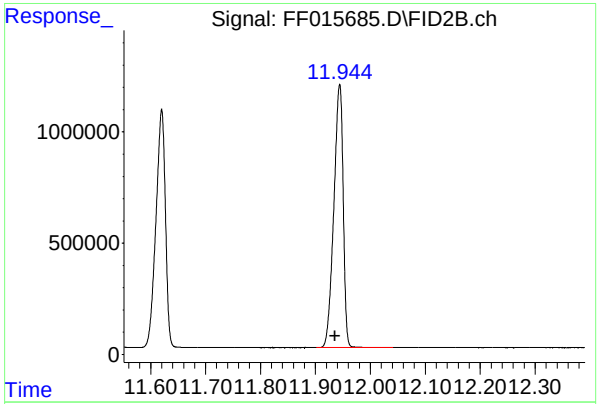
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

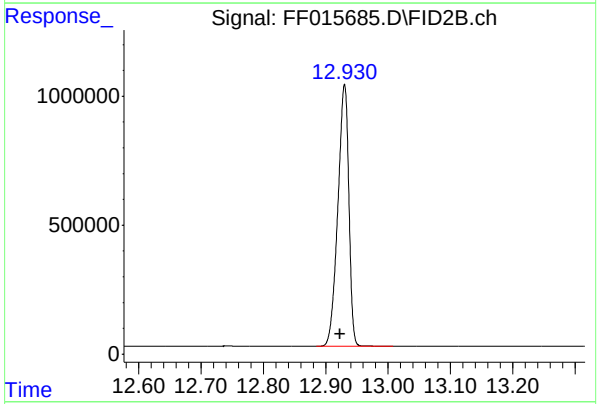
R.T.: 11.620 min
Delta R.T.: 0.008 min
Response: 12845153
Conc: 88.39 ug/ml



#9 ortho-Terphenyl (SURR)

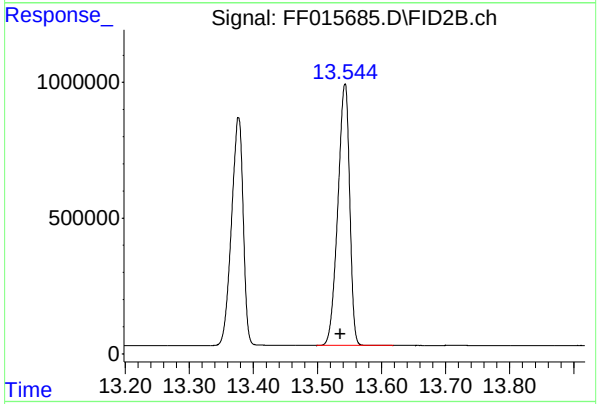
R.T.: 11.944 min
Delta R.T.: 0.008 min
Response: 13992114
Conc: 87.48 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



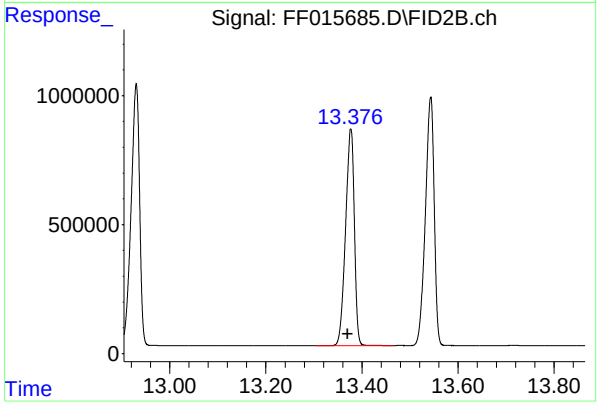
#10 n-Eicosane (C20)

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



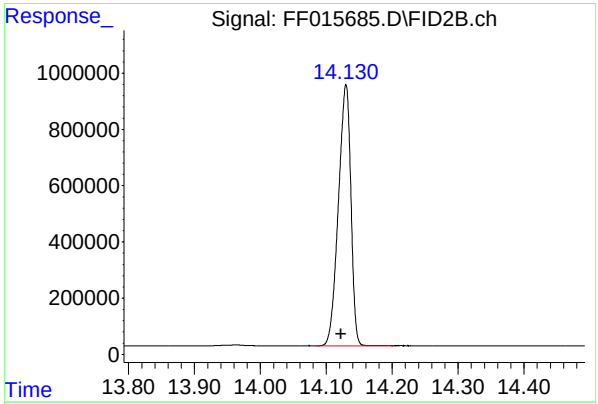
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

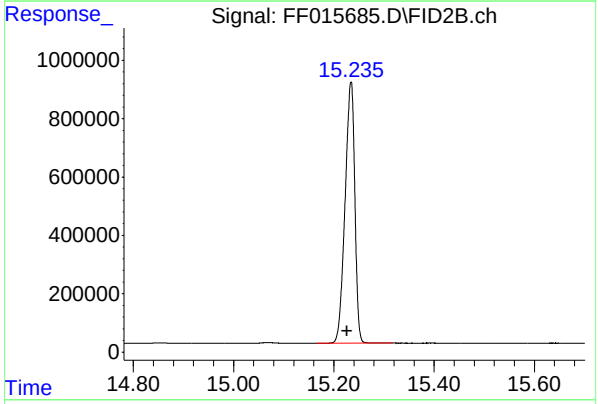
R.T.: 13.377 min
Delta R.T.: 0.006 min
Response: 10671595
Conc: 89.04 ug/ml



#13 n-Docosane (C22)

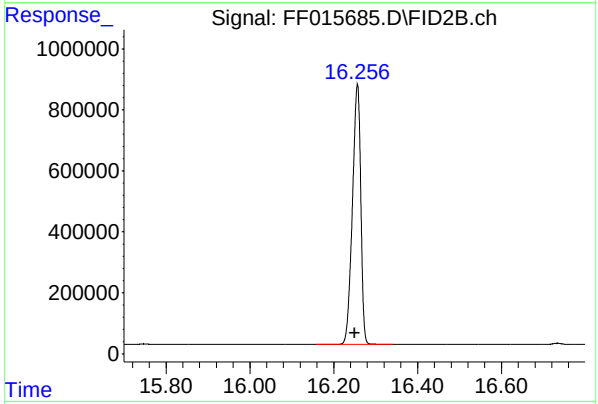
R.T.: 14.130 min
Delta R.T.: 0.007 min
Response: 12185094
Conc: 86.34 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



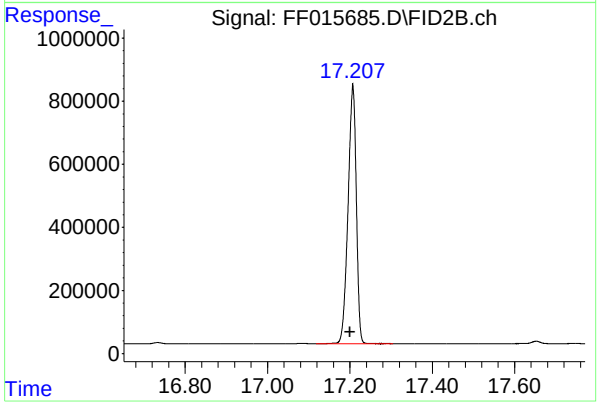
#14 n-Tetracosane (C24)

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



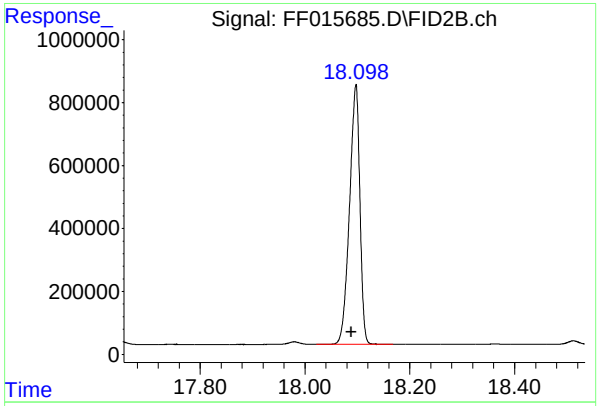
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

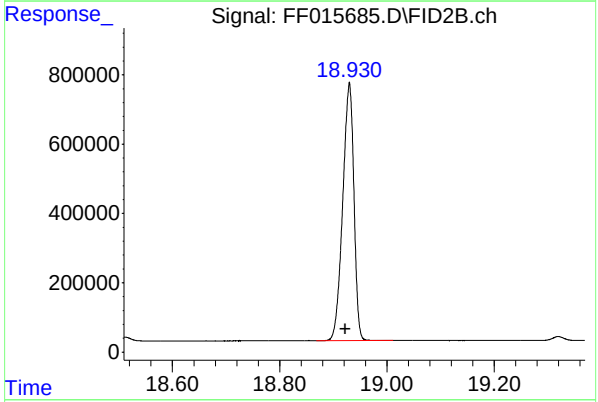
R.T.: 17.207 min
Delta R.T.: 0.007 min
Response: 11390456
Conc: 82.34 ug/ml



#17 n-Tricontane (C30)

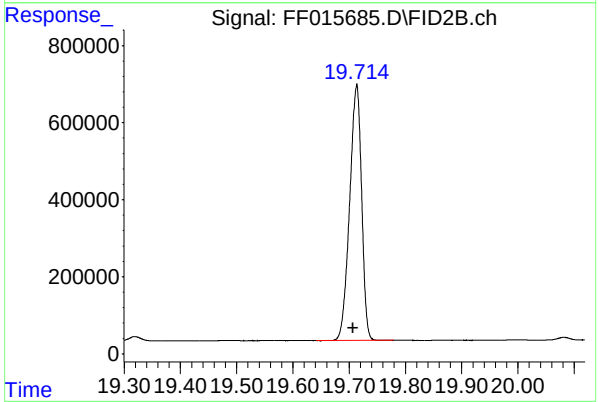
R.T.: 18.097 min
Delta R.T.: 0.008 min
Response: 11327654
Conc: 79.09 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



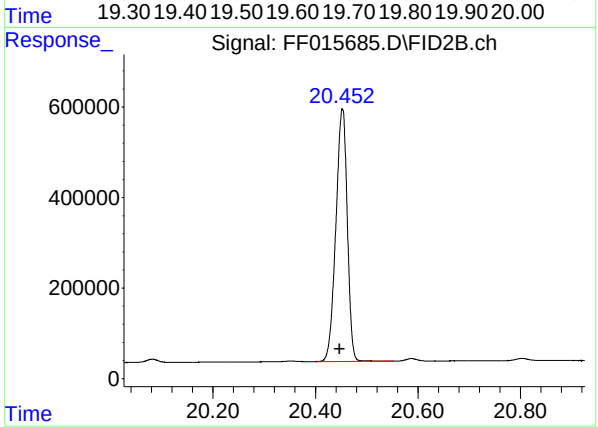
#18 n-Dotriacontane (C32)

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



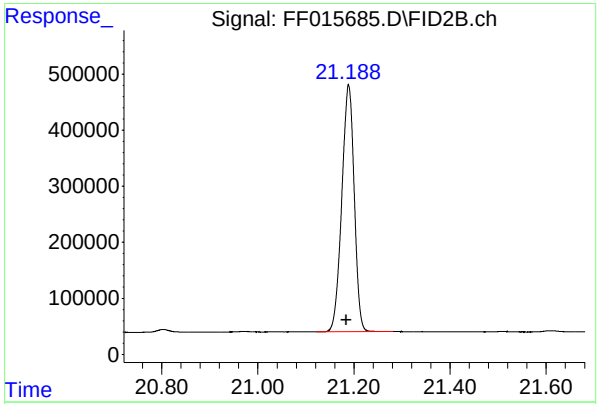
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

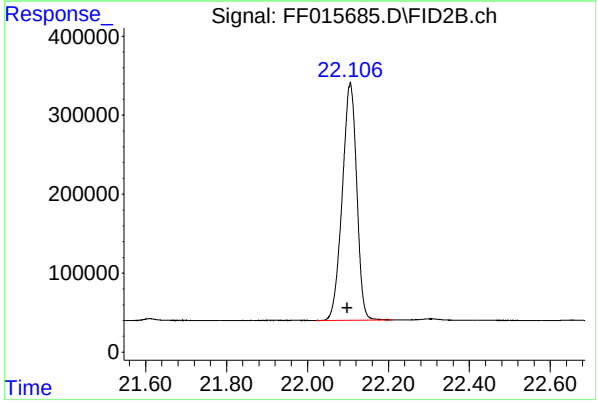
R.T.: 20.452 min
Delta R.T.: 0.005 min
Response: 8638482
Conc: 81.95 ug/ml



#21 n-Octatriacontane (C38)

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

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

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

Lab Sample ID:	50 PPM ALIPHATIC HC S	Acq On:	17 Mar 2025 18:01
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015686.D	Misc:	
Instrument:	FID_F	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	18596208.000	150.000	ug/ml
Aliphatic C12-C16	6.834	10.268	12856373.000	100.000	ug/ml
Aliphatic C16-C21	10.269	13.635	19647990.000	150.000	ug/ml
Aliphatic C21-C28	13.636	17.300	25387224.000	200.000	ug/ml
Aliphatic C28-C40	17.301	22.197	30012799.000	300.000	ug/ml
Aliphatic EPH	3.209		106500594.000	900.000	ug/ml

Quantitation Report (QT Reviewed)

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

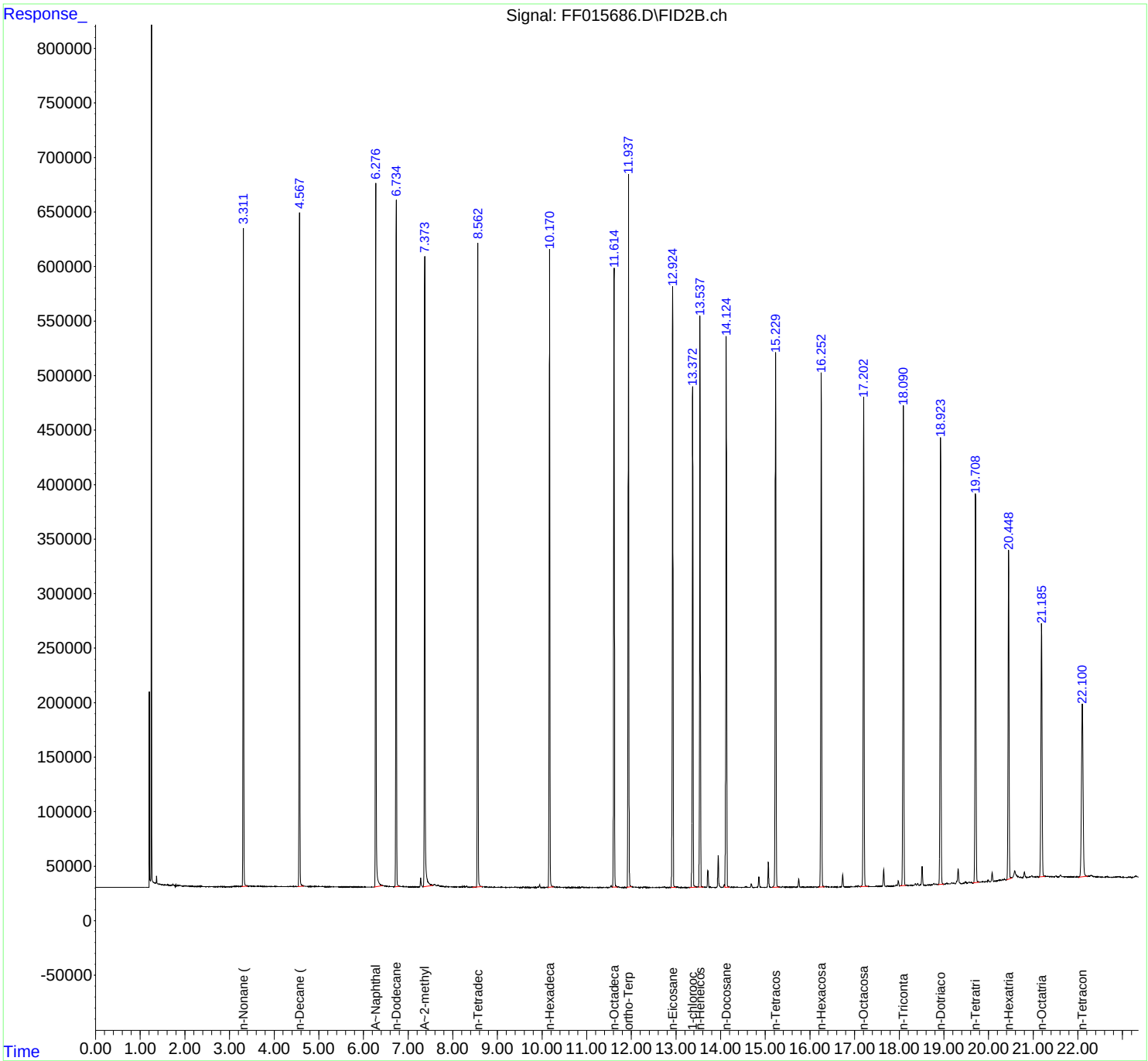
(f)=RT Delta > 1/2 Window (m)=manual int.

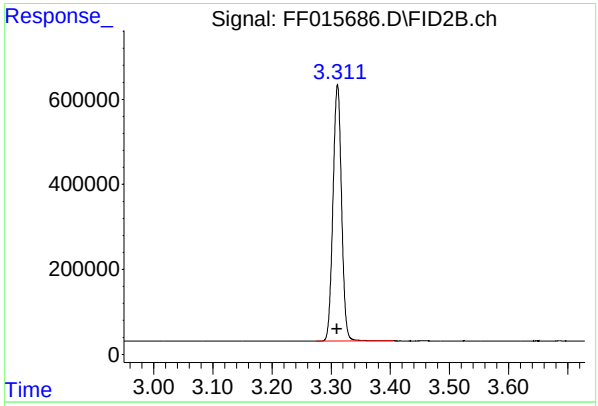
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015686.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:01
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

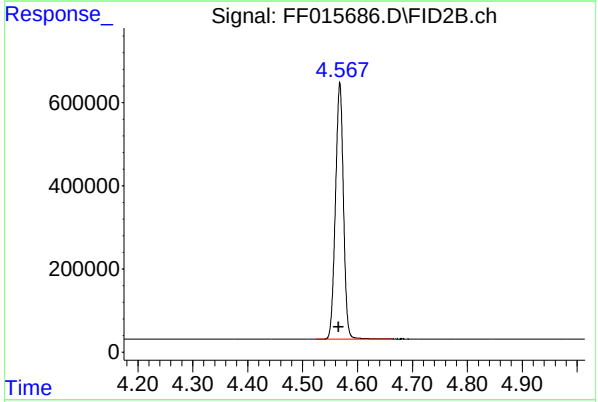




#1 n-Nonane (C9)

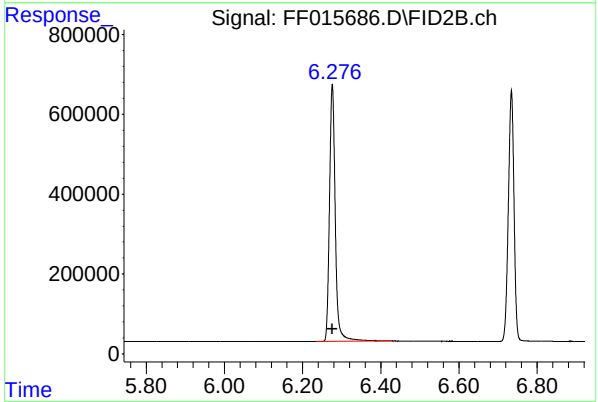
R.T.: 3.311 min
Delta R.T.: 0.000 min
Response: 6092632
Conc: 46.15 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



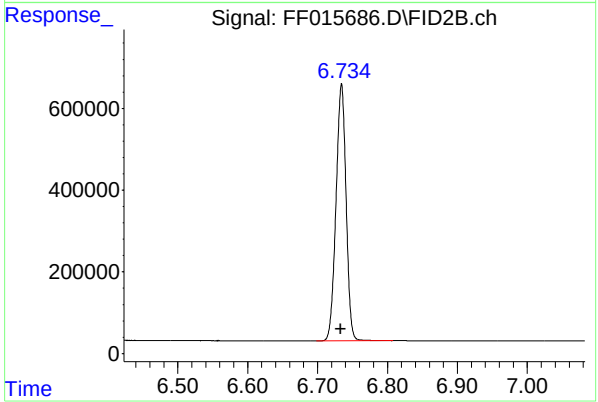
#2 n-Decane (C10)

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



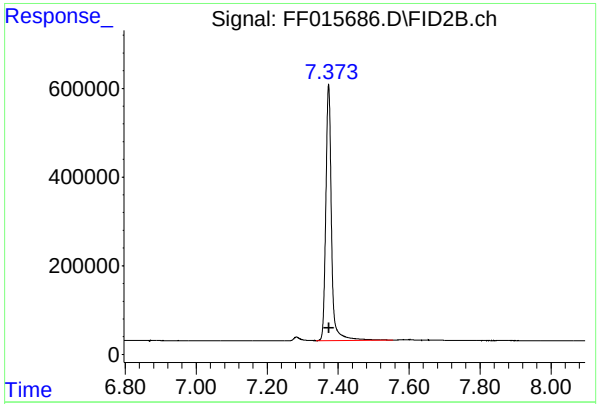
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

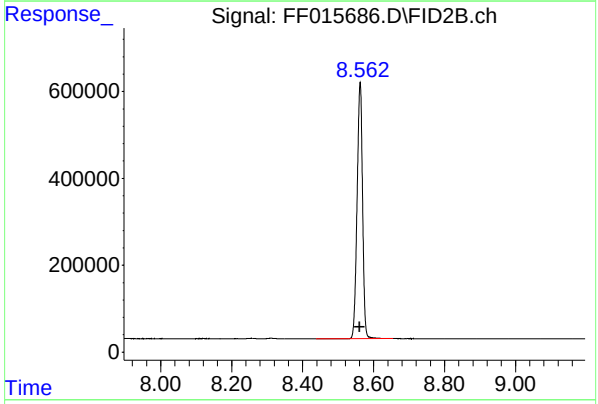
R.T.: 6.734 min
Delta R.T.: 0.001 min
Response: 6295682
Conc: 46.10 ug/ml



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

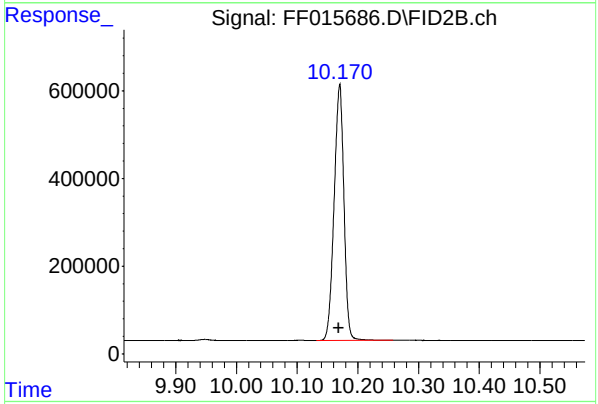
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 6382167
Conc: 48.80 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



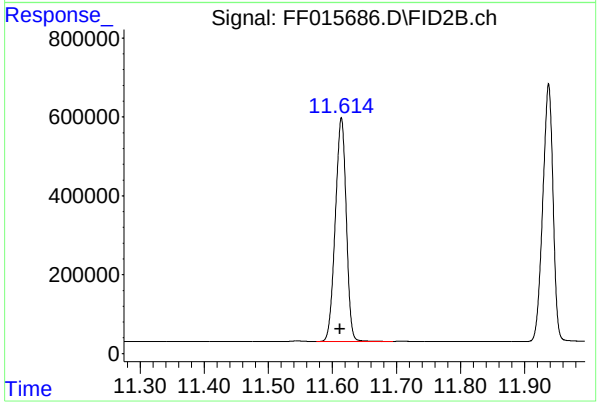
#6 n-Tetradecane (C14)

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



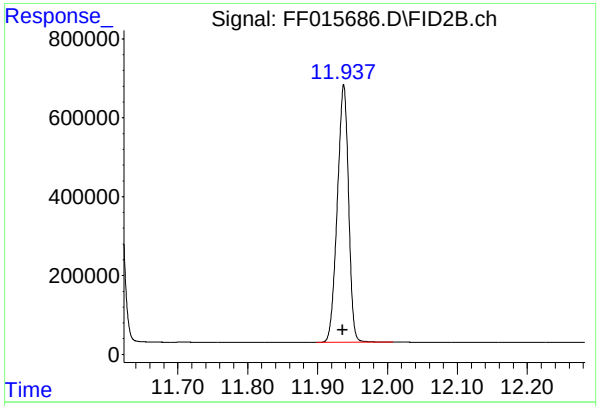
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

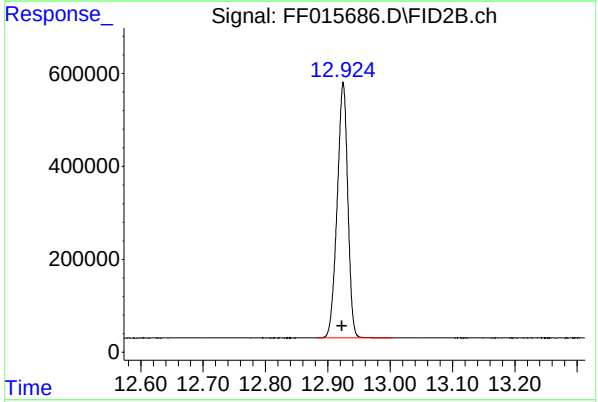
R.T.: 11.614 min
Delta R.T.: 0.002 min
Response: 6700763
Conc: 46.11 ug/ml



#9 ortho-Terphenyl (SURR)

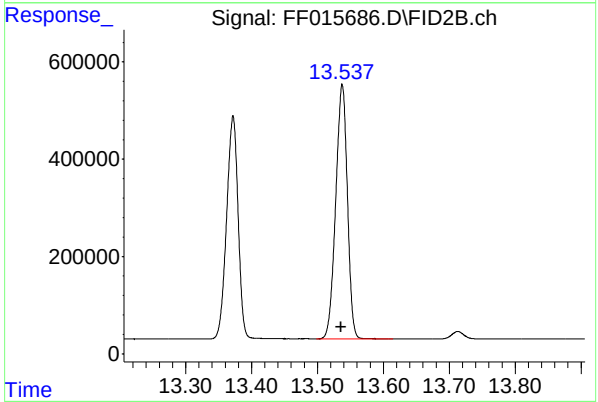
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 7290625
Conc: 45.58 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



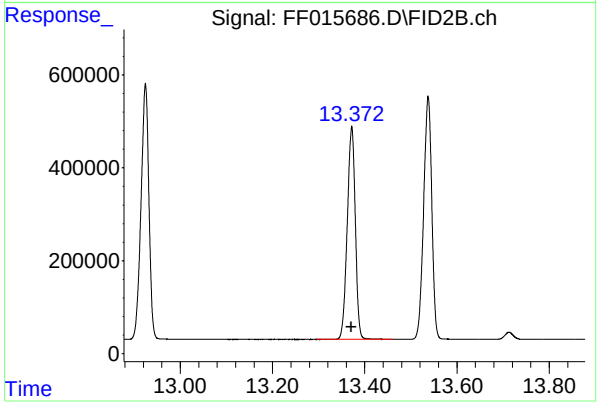
#10 n-Eicosane (C20)

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



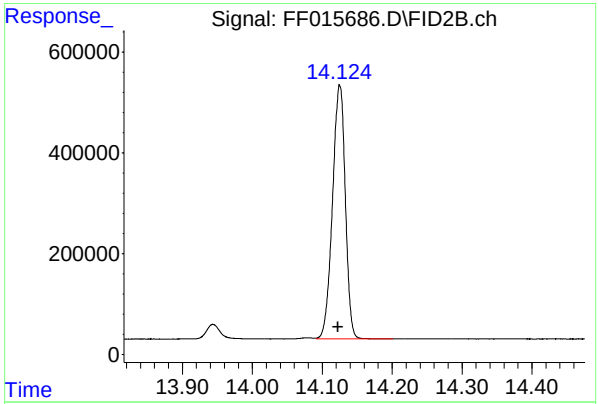
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

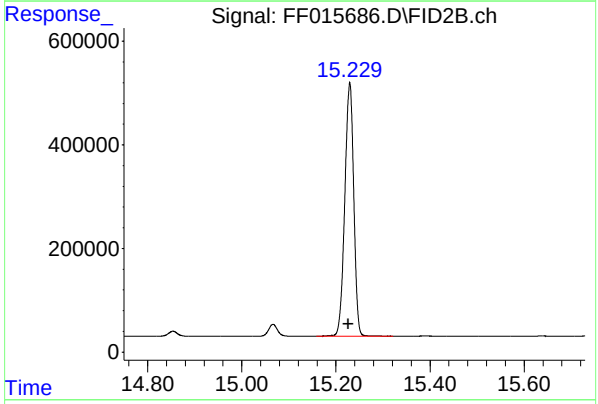
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 5563119
Conc: 46.42 ug/ml



#13 n-Docosane (C22)

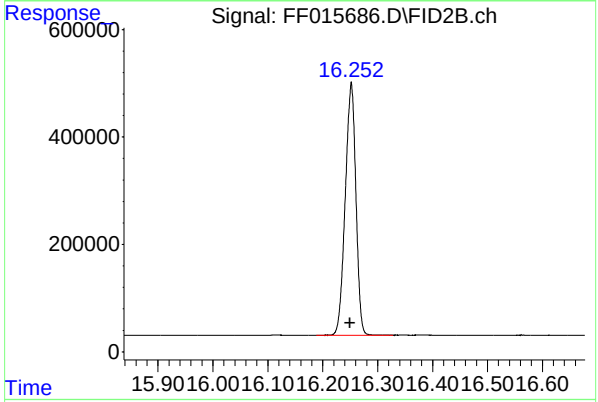
R.T.: 14.125 min
Delta R.T.: 0.002 min
Response: 6434543
Conc: 45.59 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



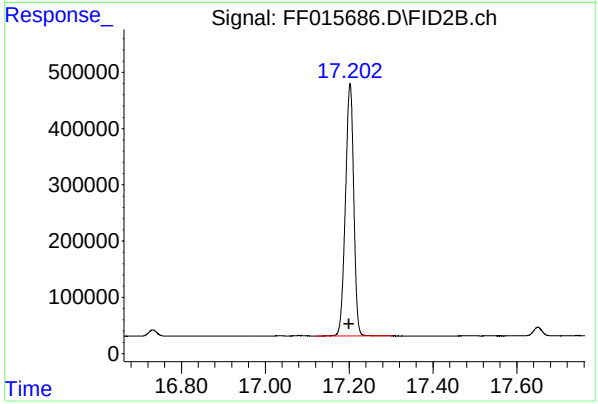
#14 n-Tetracosane (C24)

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



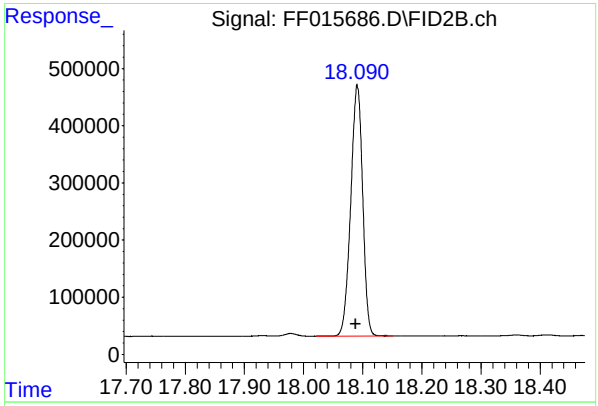
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

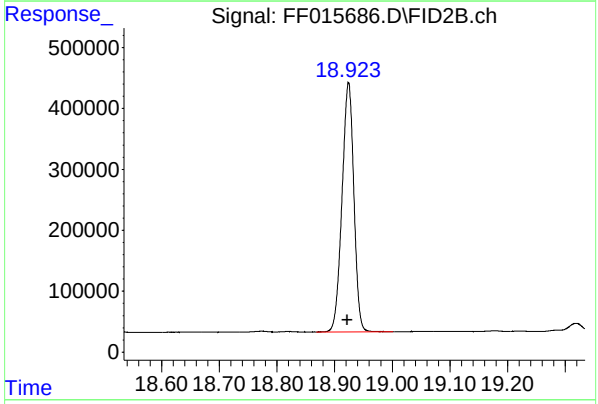
R.T.: 17.202 min
Delta R.T.: 0.002 min
Response: 6169883
Conc: 44.60 ug/ml



#17 n-Tricontane (C30)

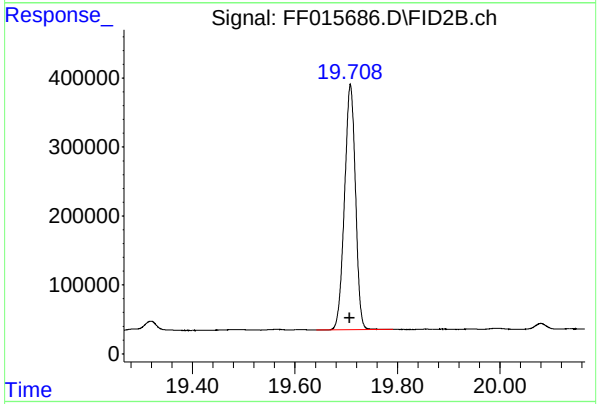
R.T.: 18.091 min
Delta R.T.: 0.002 min
Response: 6147370
Conc: 42.92 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



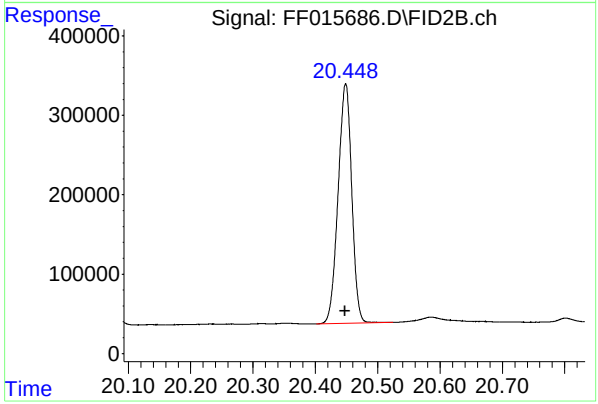
#18 n-Dotriacontane (C32)

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



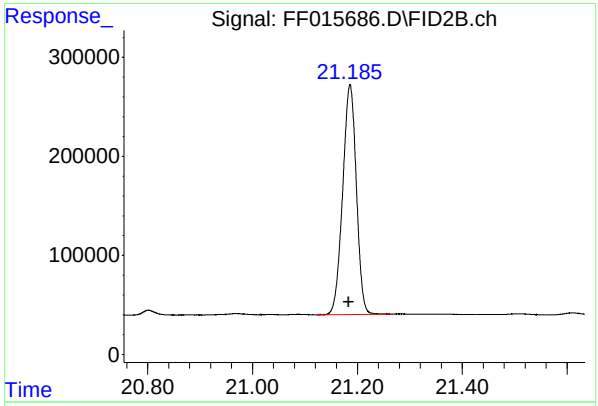
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

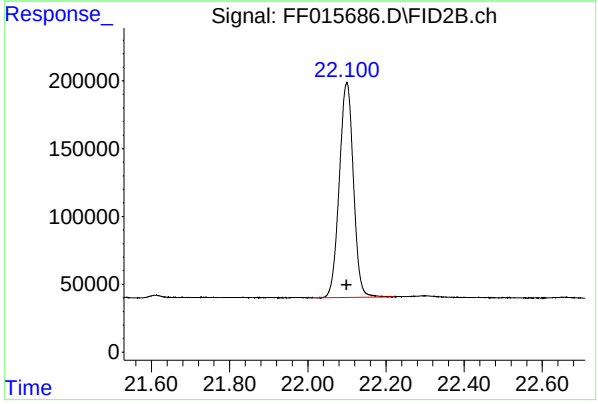
R.T.: 20.449 min
Delta R.T.: 0.001 min
Response: 4589204
Conc: 43.54 ug/ml



#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

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	17 Mar 2025 18:31
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015687.D	Misc:	
Instrument:	FID_F	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	8058326.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5564326.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8562154.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.300	11186676.000	80.000	ug/ml
Aliphatic C28-C40	17.301	22.197	13810725.000	120.000	ug/ml
Aliphatic EPH	3.209		47182207.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

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

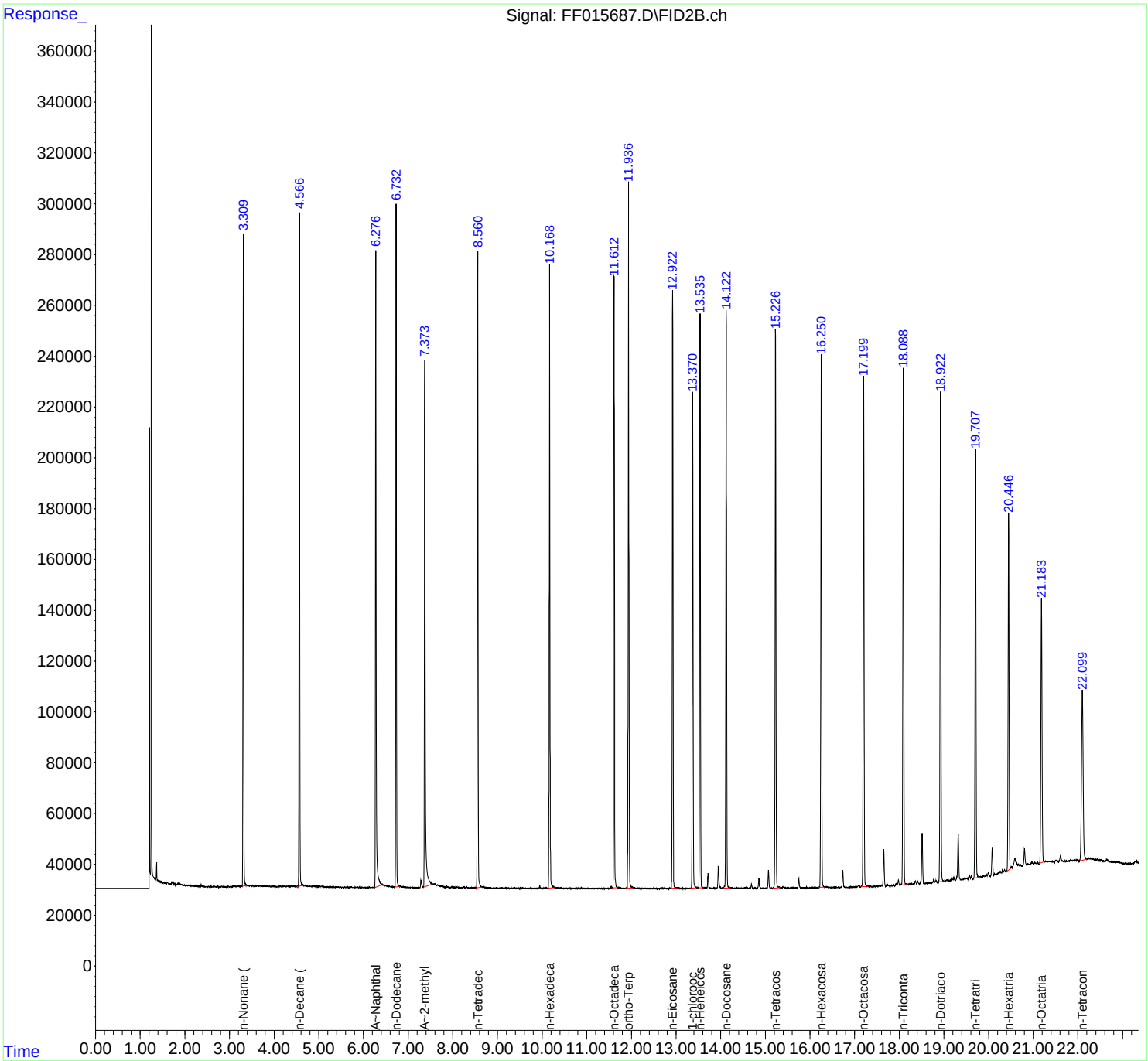
(f)=RT Delta > 1/2 Window (m)=manual int.

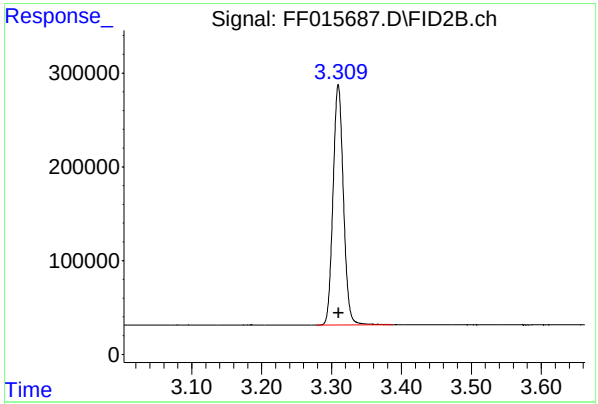
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015687.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

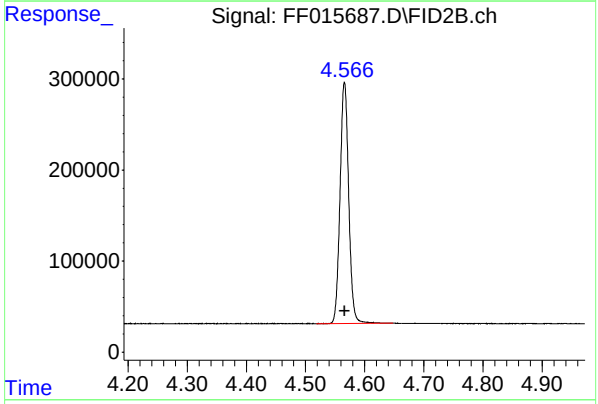




#1 n-Nonane (C9)

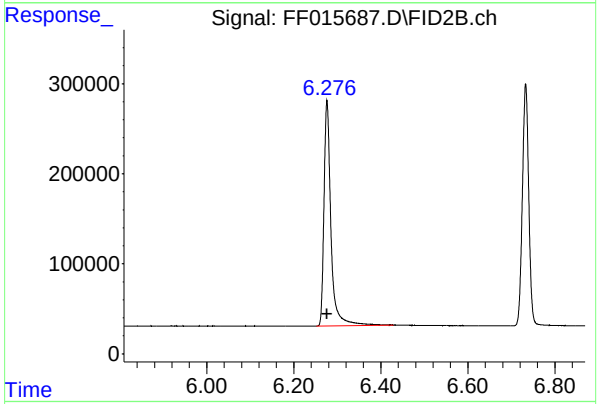
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2640406
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



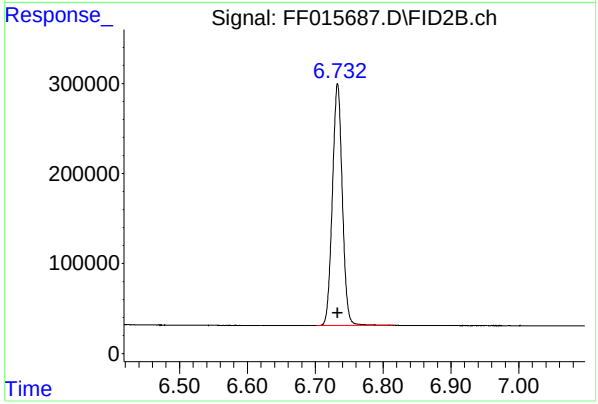
#2 n-Decane (C10)

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



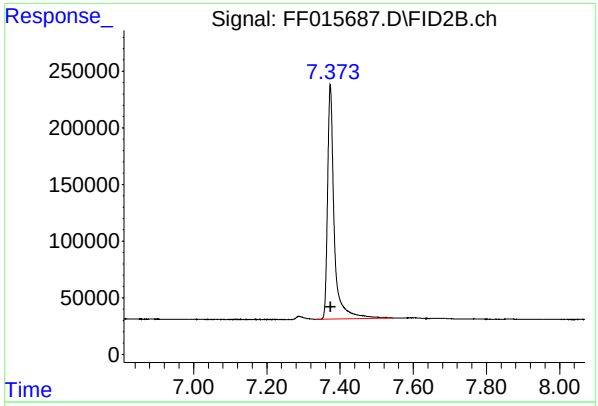
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

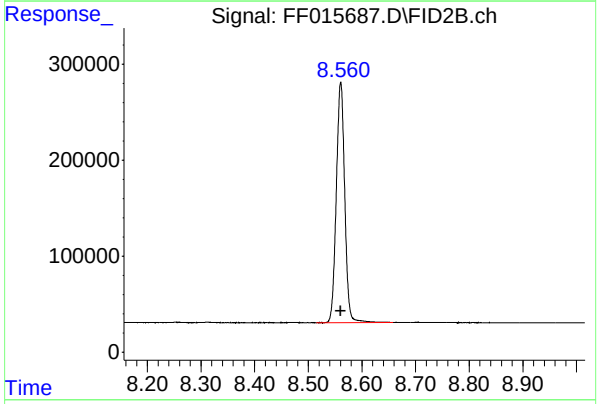
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2731281
Conc: 20.00 ug/ml



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

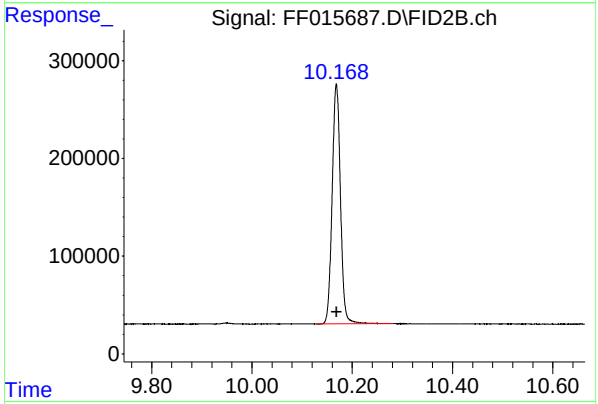
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2615659
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



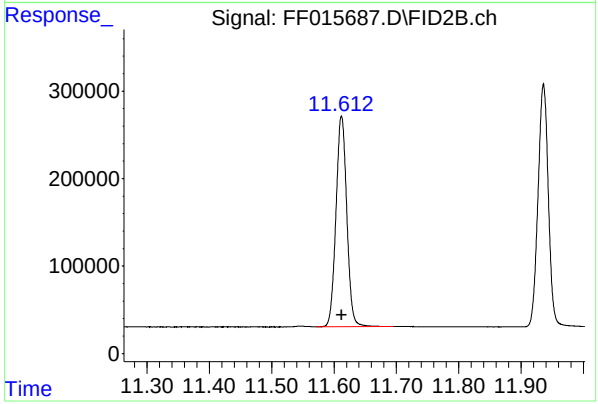
#6 n-Tetradecane (C14)

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



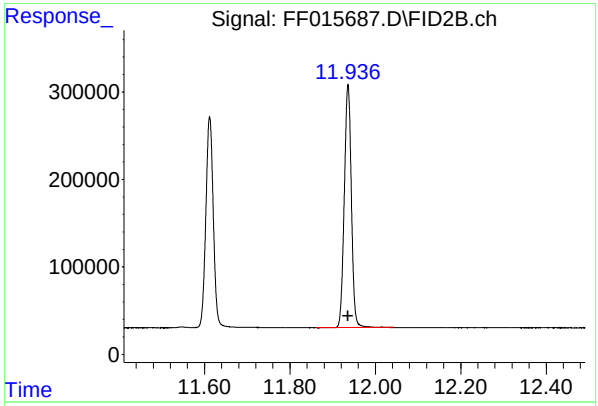
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

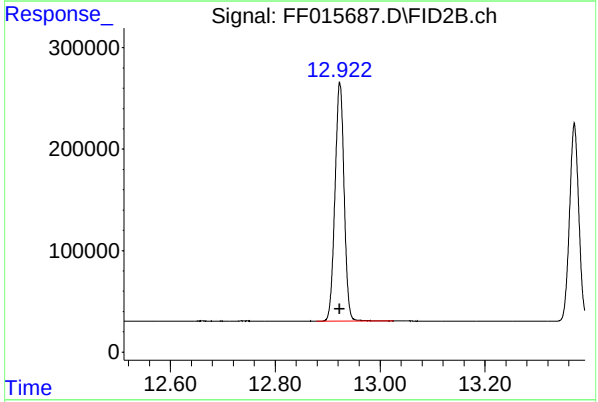
R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2906526
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

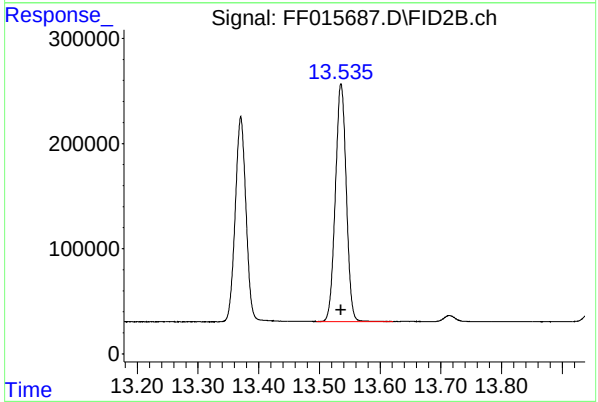
R.T.: 11.936 min
Delta R.T.: 0.000 min
Response: 3198868
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



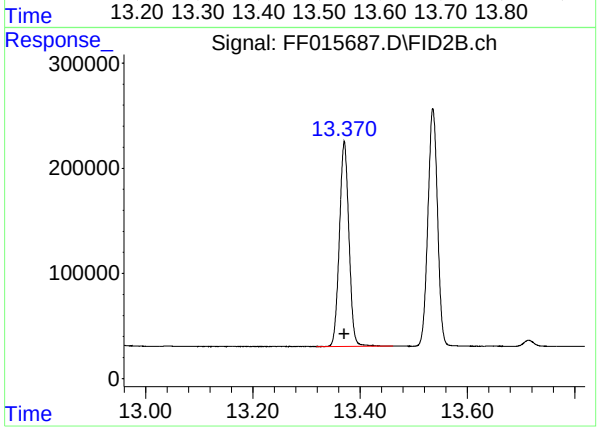
#10 n-Eicosane (C20)

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



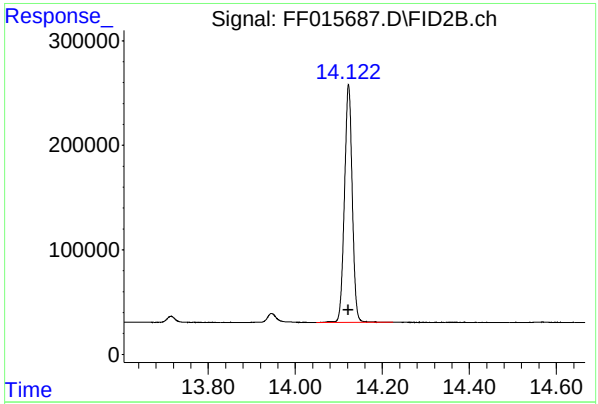
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

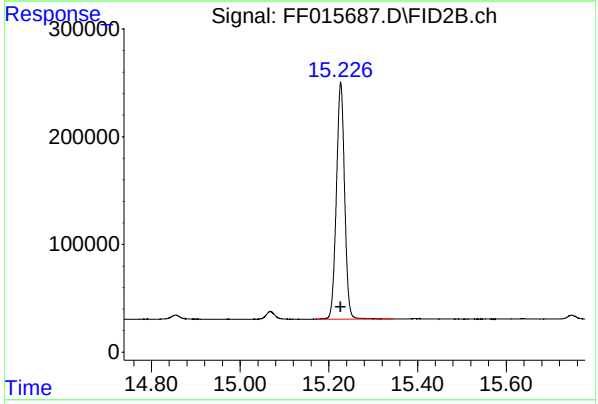
R.T.: 13.371 min
Delta R.T.: 0.000 min
Response: 2397098
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

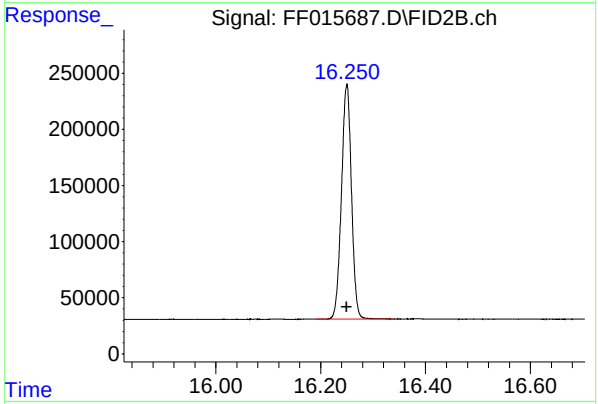
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2822676
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



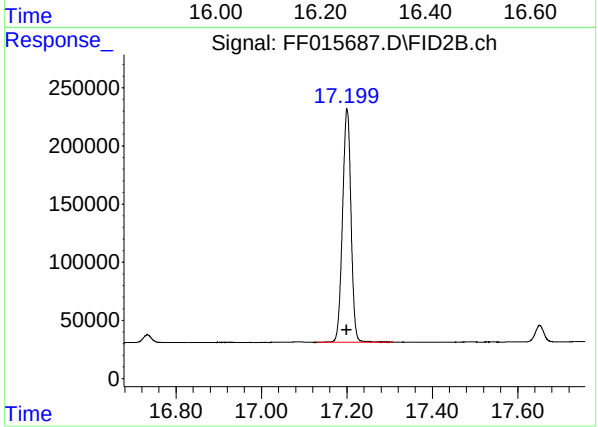
#14 n-Tetracosane (C24)

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



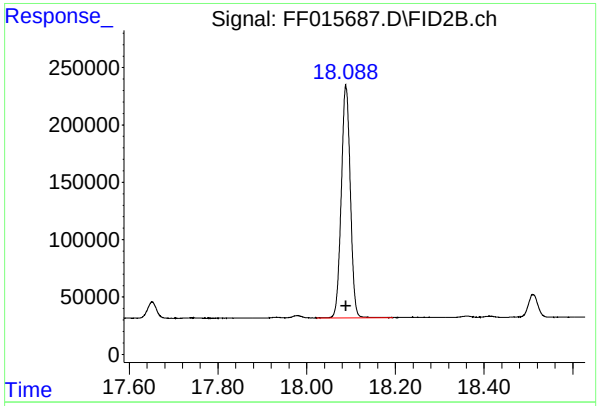
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

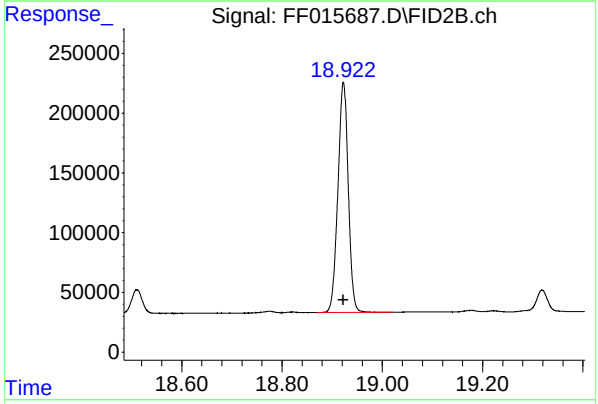
R.T.: 17.200 min
Delta R.T.: 0.000 min
Response: 2766729
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

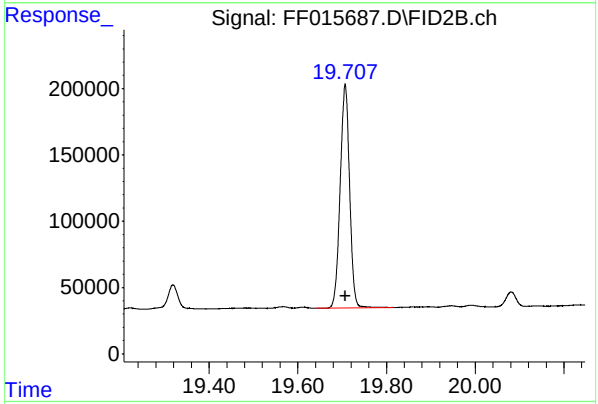
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2864448
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



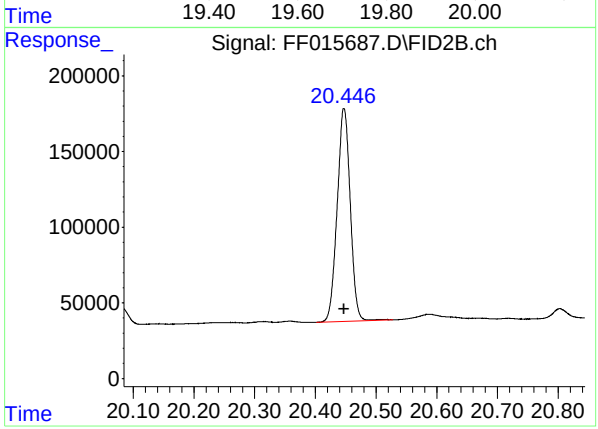
#18 n-Dotriacontane (C32)

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



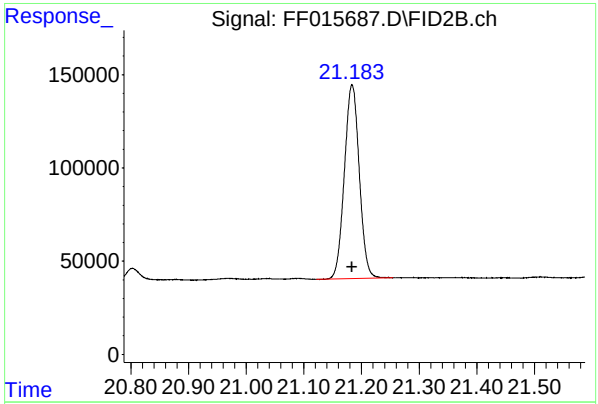
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

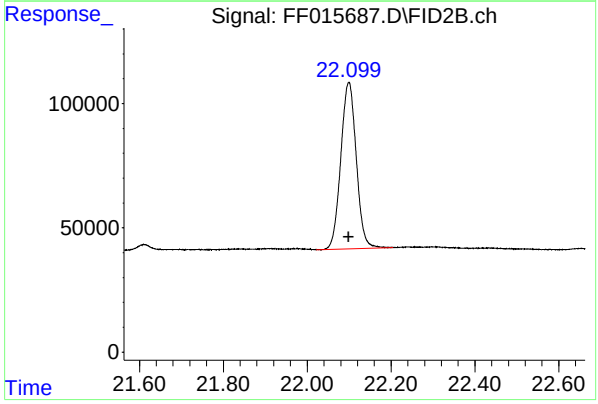
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 2108187
Conc: 20.00 ug/ml



#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

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

Lab Sample ID:	10 PPM ALIPHATIC HC S	Acq On:	17 Mar 2025 19:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015688.D	Misc:	
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	4004912.000	30.000	ug/ml
Aliphatic C12-C16	6.834	10.268	2740629.000	20.000	ug/ml
Aliphatic C16-C21	10.269	13.635	4228203.000	30.000	ug/ml
Aliphatic C21-C28	13.636	17.300	5615235.000	40.000	ug/ml
Aliphatic C28-C40	17.301	22.197	6857806.000	60.000	ug/ml
Aliphatic EPH	3.209		23446785.000	180.000	ug/ml

Quantitation Report (QT Reviewed)

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.

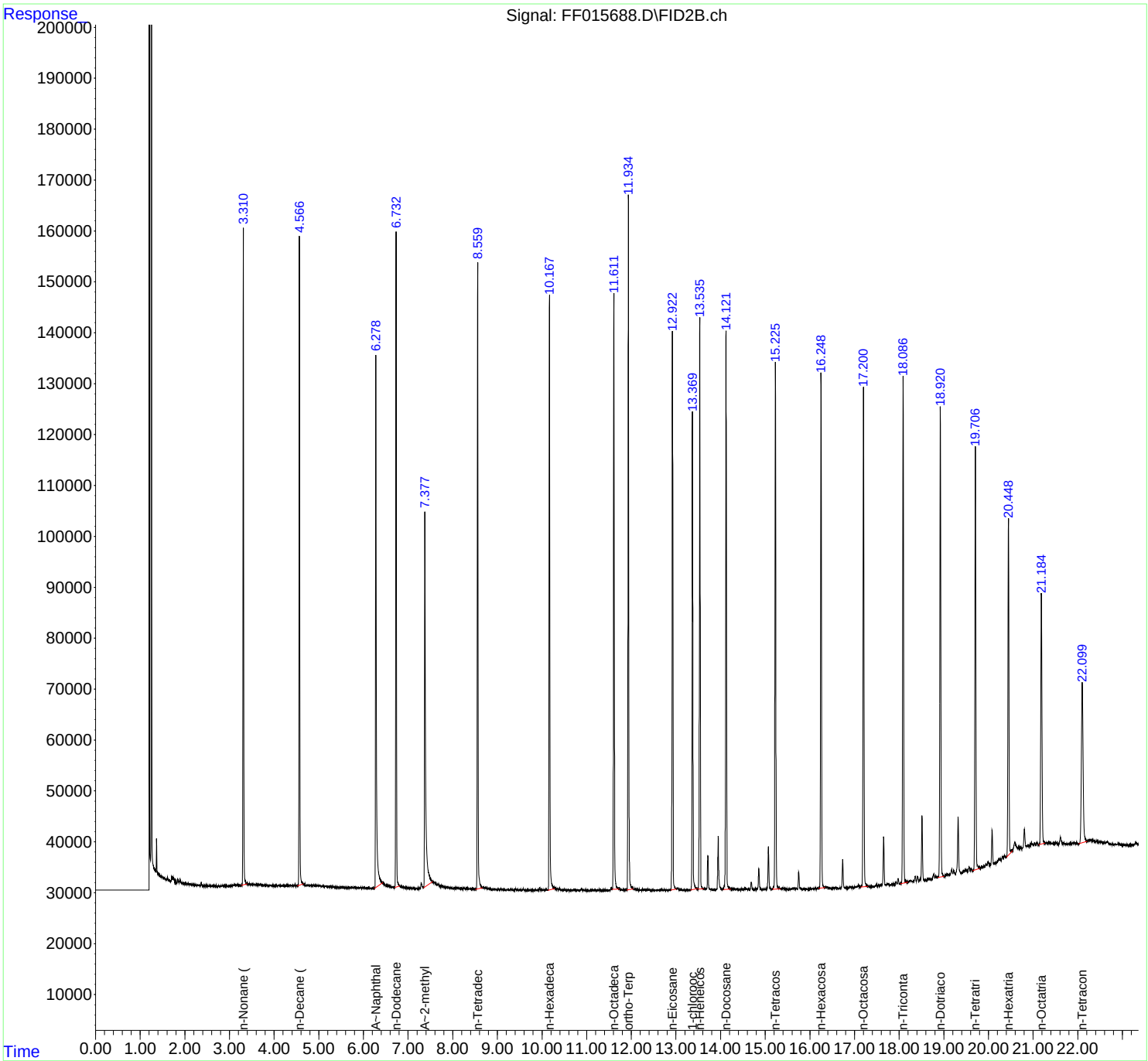
Quantitation Report (QT Reviewed)

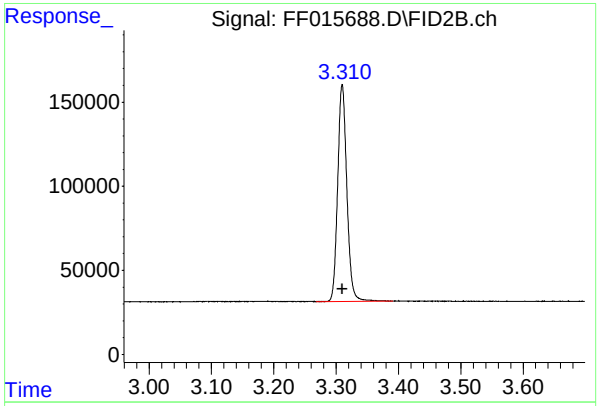
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015688.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:00
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

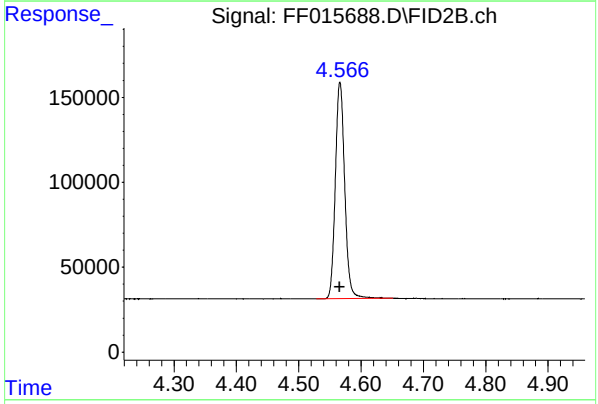




#1 n-Nonane (C9)

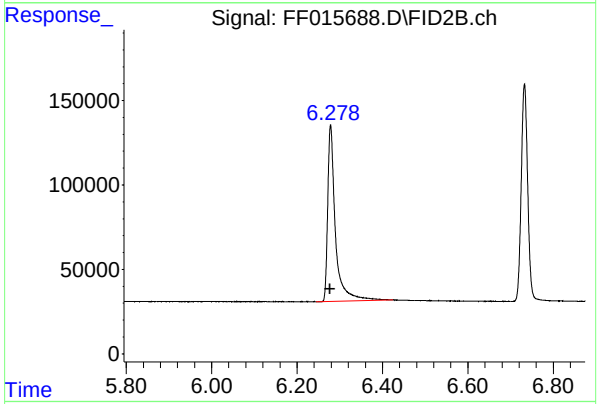
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 1319054
Conc: 9.99 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



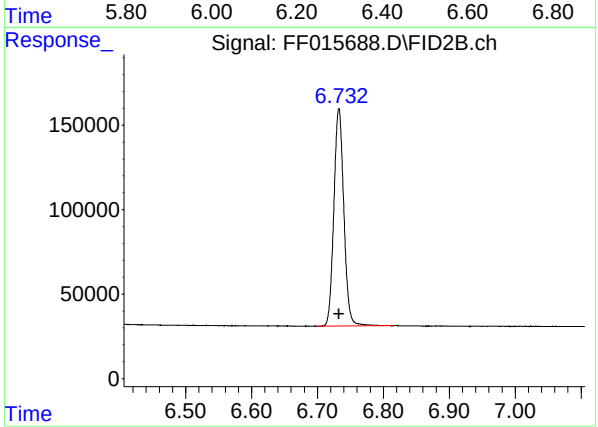
#2 n-Decane (C10)

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



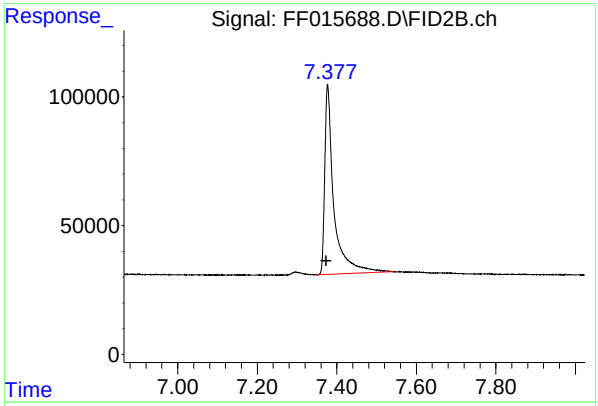
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

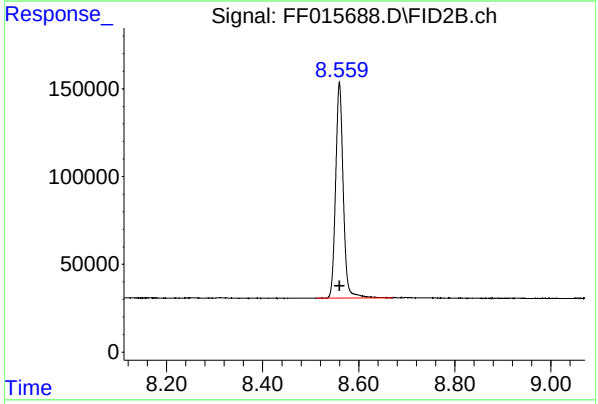
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 1353221
Conc: 9.91 ug/ml



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

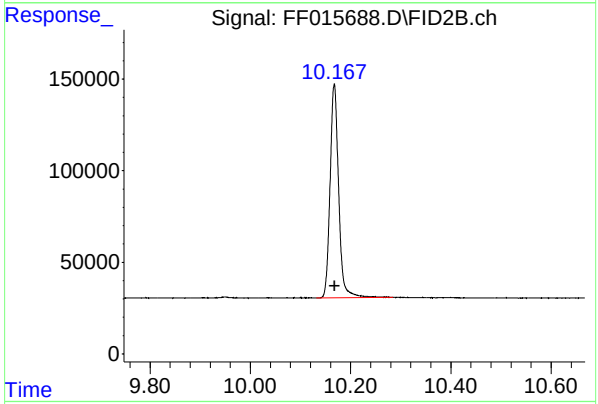
R.T.: 7.378 min
Delta R.T.: 0.004 min
Response: 1171368
Conc: 8.96 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



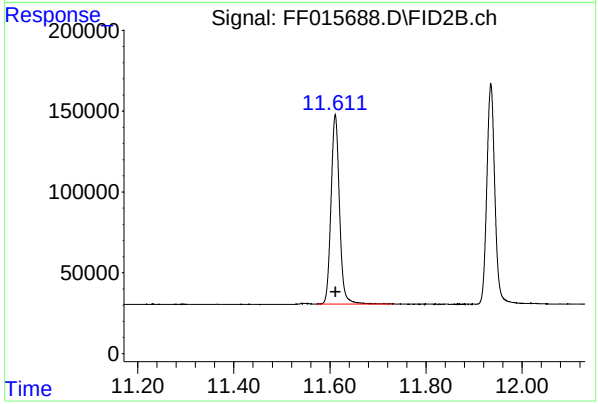
#6 n-Tetradecane (C14)

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



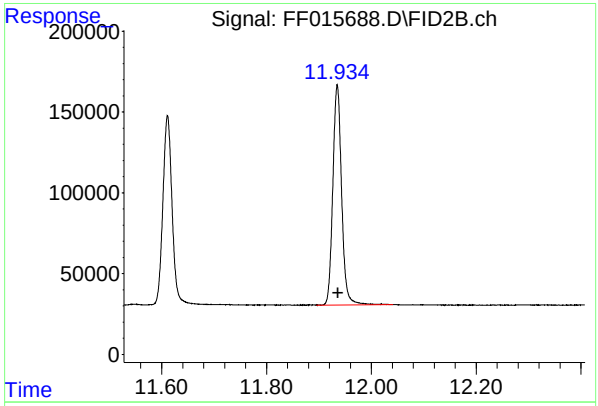
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

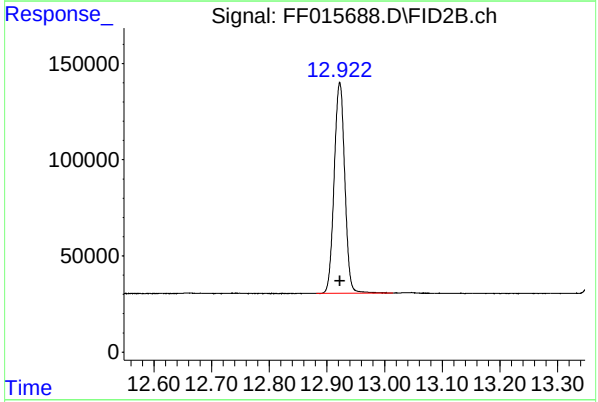
R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 1433261
Conc: 9.86 ug/ml



#9 ortho-Terphenyl (SURR)

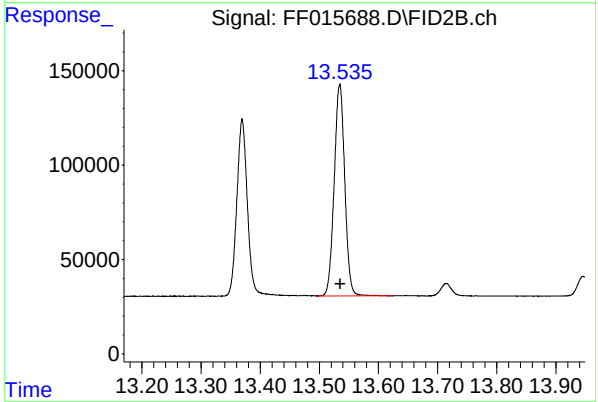
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 1586641
Conc: 9.92 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



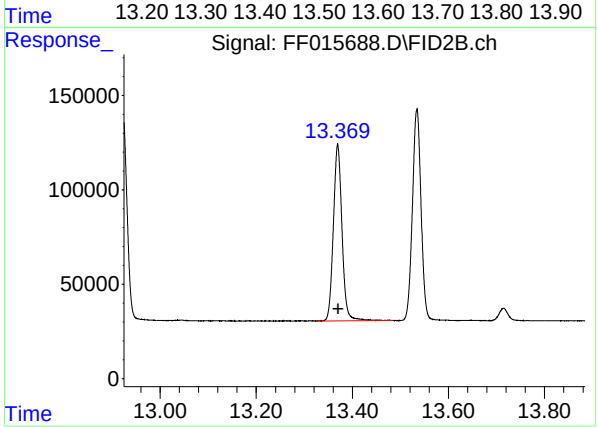
#10 n-Eicosane (C20)

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



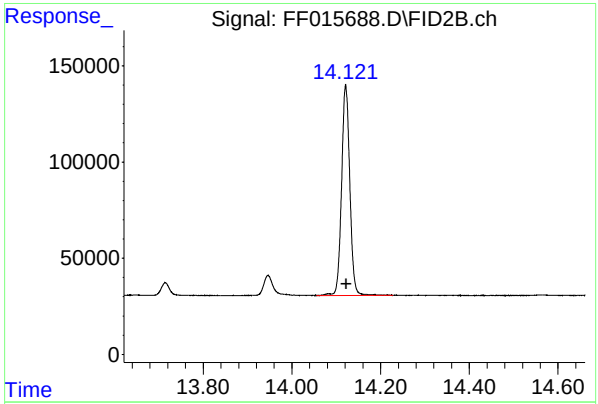
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

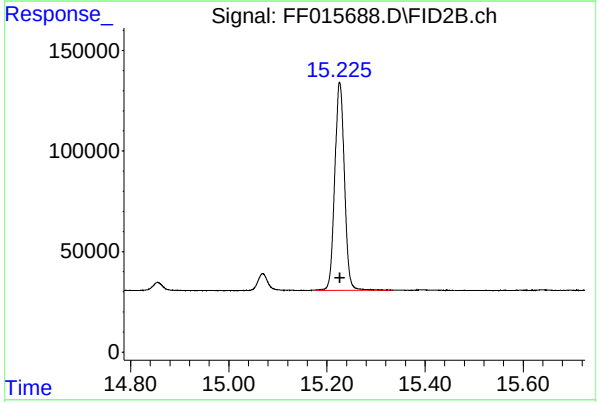
R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 1164785
Conc: 9.72 ug/ml



#13 n-Docosane (C22)

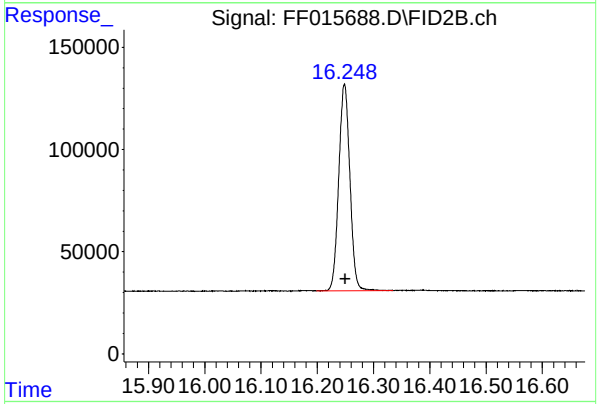
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 1411308
Conc: 10.00 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



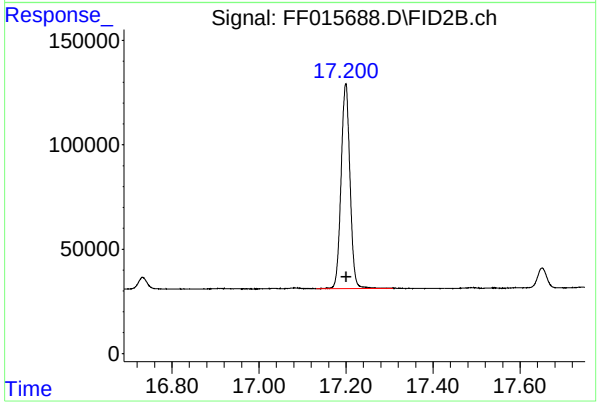
#14 n-Tetracosane (C24)

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



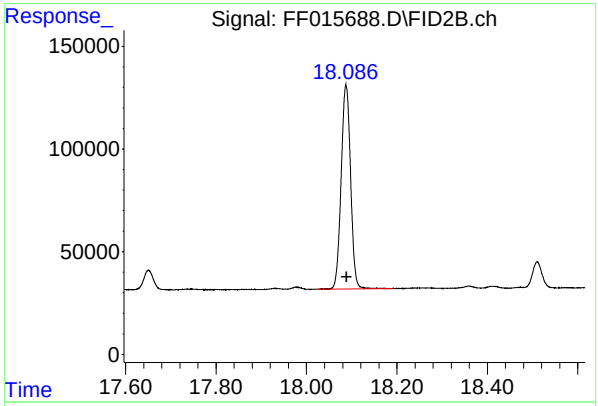
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

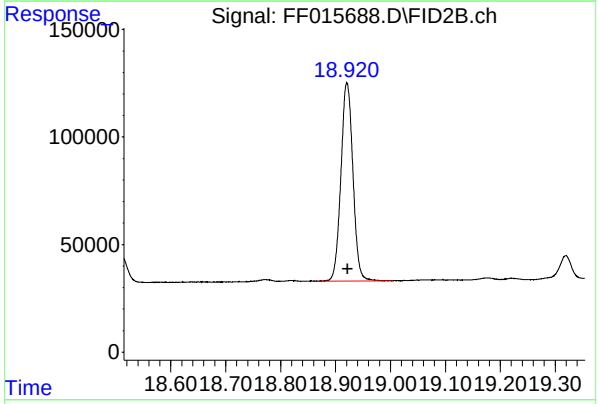
R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 1393527
Conc: 10.07 ug/ml



#17 n-Tricontane (C30)

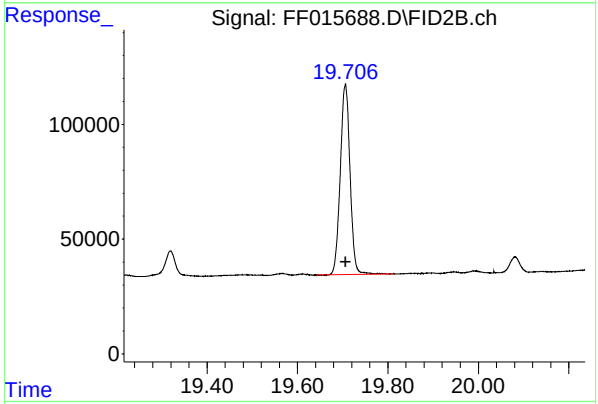
R.T.: 18.087 min
Delta R.T.: -0.001 min
Response: 1439380
Conc: 10.05 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



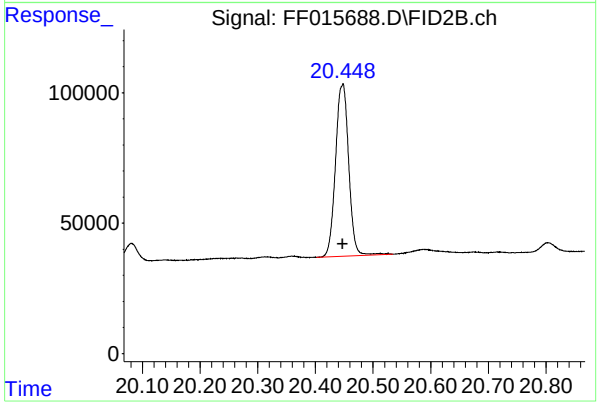
#18 n-Dotriacontane (C32)

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



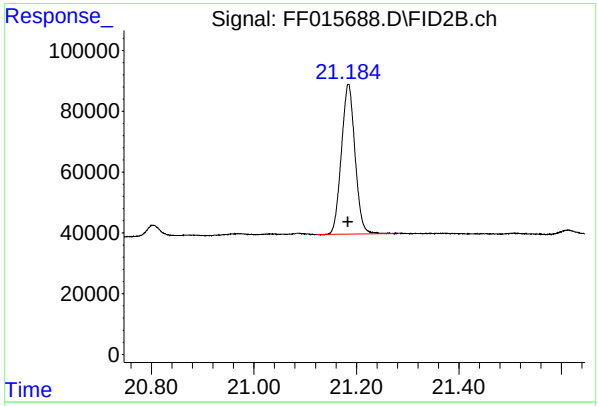
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

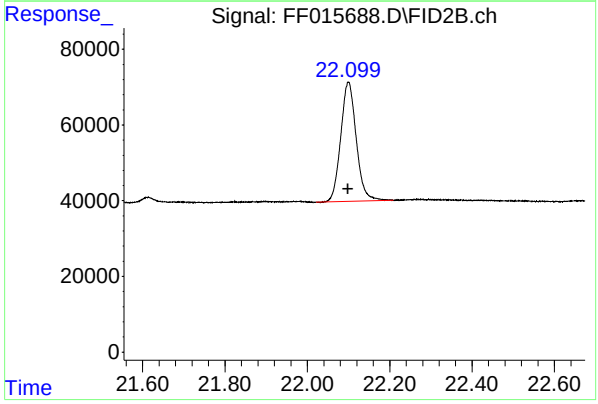
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 1046165
Conc: 9.92 ug/ml



#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

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

Lab Sample ID:	5 PPM ALIPHATIC HC S	Acq On:	17 Mar 2025 19:29
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015689.D	Misc:	
Instrument:	FID_F	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	1968689.000	15.000	ug/ml
Aliphatic C12-C16	6.834	10.268	1296185.000	10.000	ug/ml
Aliphatic C16-C21	10.269	13.635	2056604.000	15.000	ug/ml
Aliphatic C21-C28	13.636	17.300	2714034.000	20.000	ug/ml
Aliphatic C28-C40	17.301	22.197	3544442.000	30.000	ug/ml
Aliphatic EPH	3.209		11579954.000	90.000	ug/ml

Quantitation Report (QT Reviewed)

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.

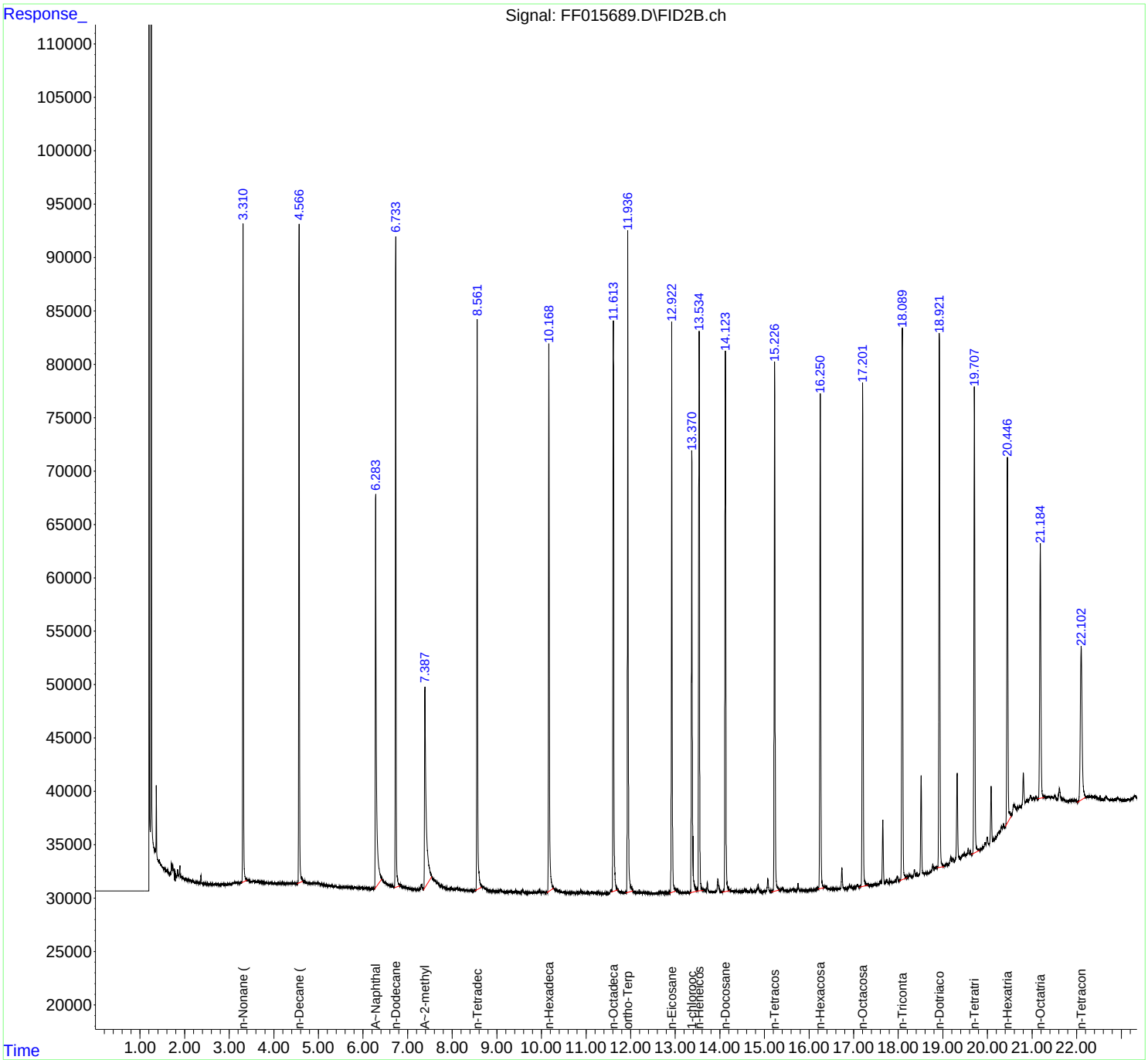
Quantitation Report (QT Reviewed)

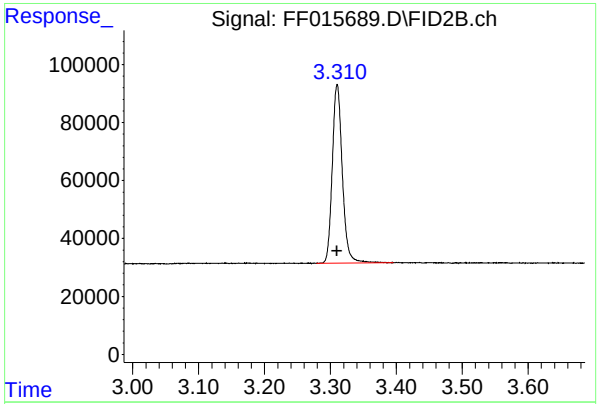
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015689.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:29
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

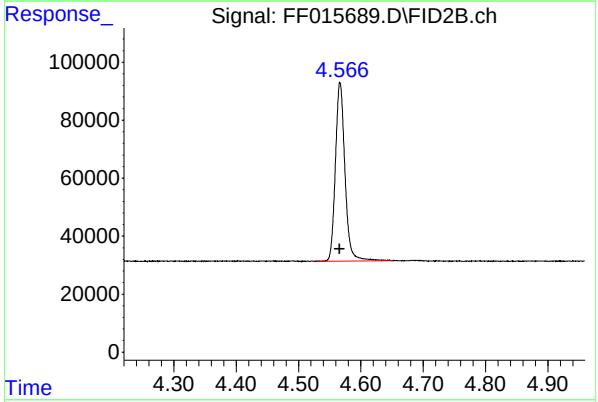




#1 n-Nonane (C9)

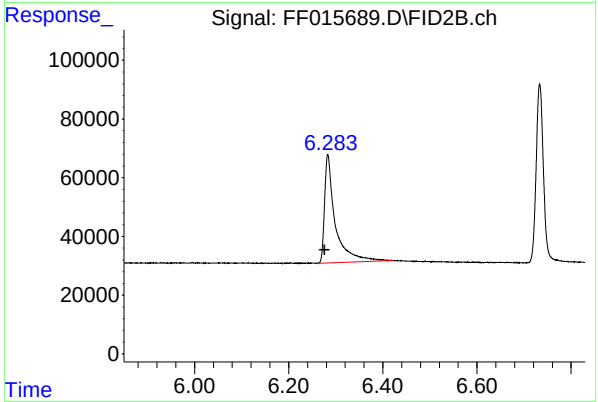
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 651916
Conc: 4.94 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



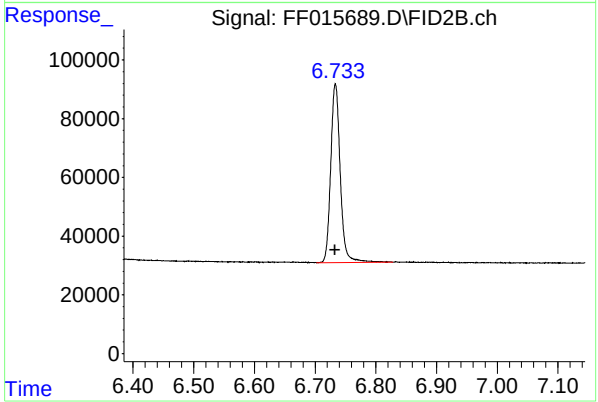
#2 n-Decane (C10)

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



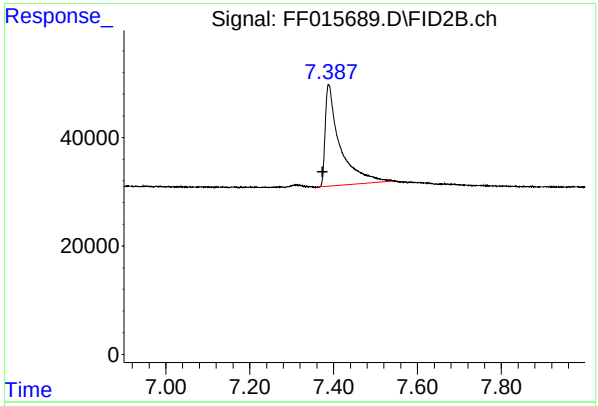
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

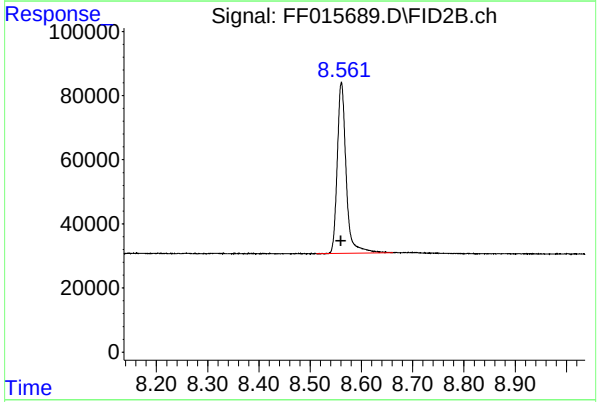
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 662198
Conc: 4.85 ug/ml



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

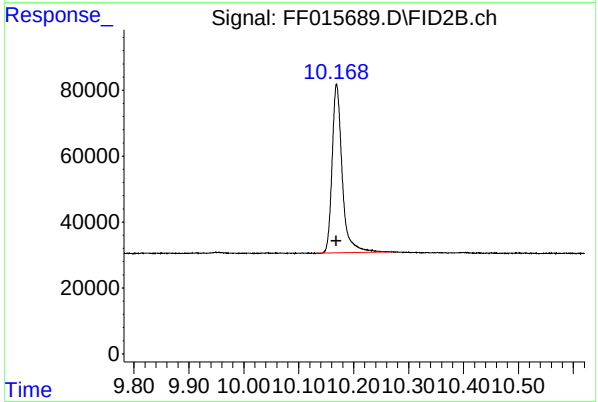
R.T.: 7.391 min
Delta R.T.: 0.017 min
Response: 459107
Conc: 3.51 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



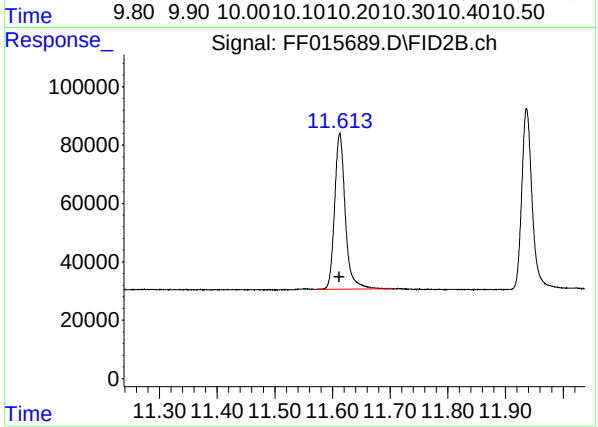
#6 n-Tetradecane (C14)

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



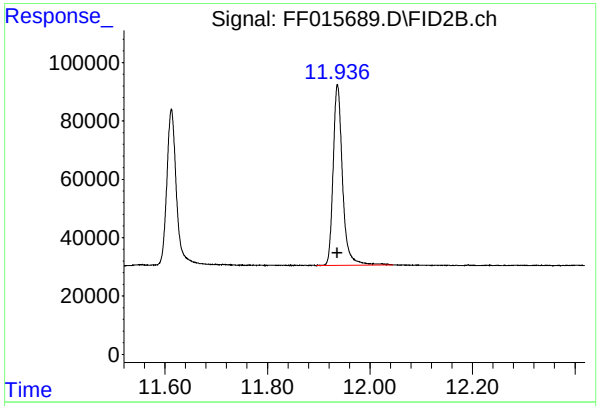
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

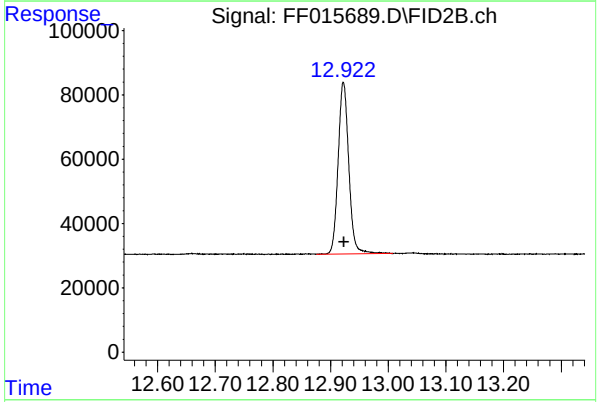
R.T.: 11.613 min
Delta R.T.: 0.000 min
Response: 686997
Conc: 4.73 ug/ml



#9 ortho-Terphenyl (SURR)

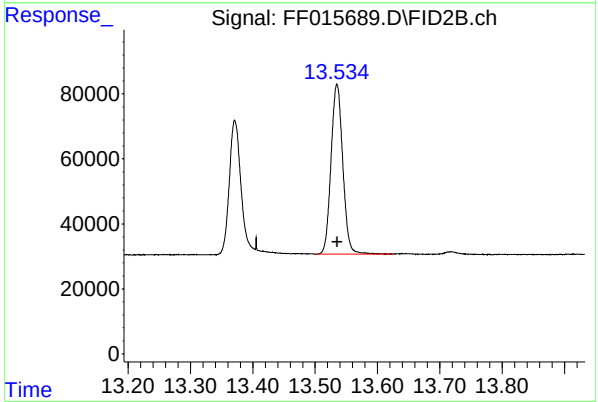
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 787158
Conc: 4.92 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



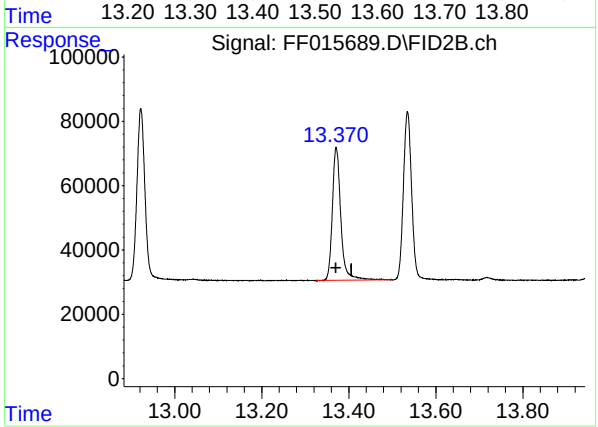
#10 n-Eicosane (C20)

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



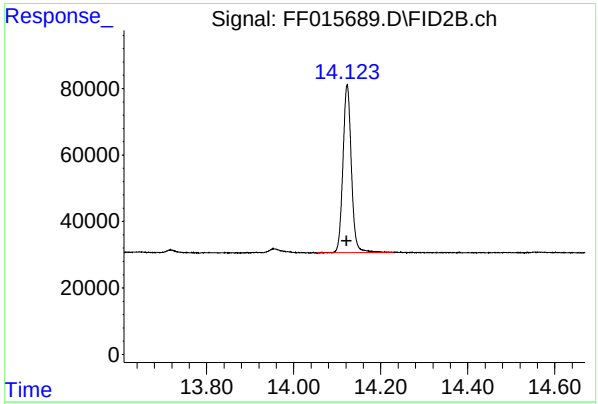
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

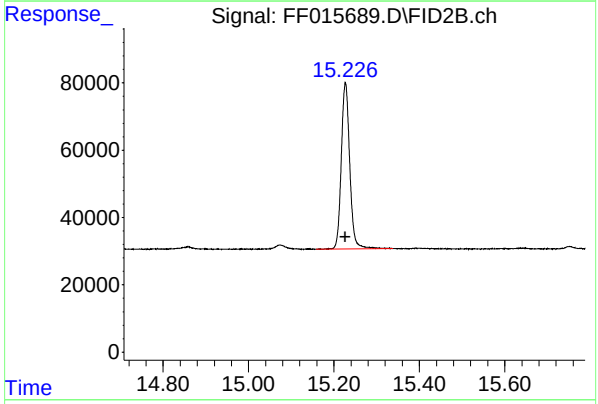
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 565760
Conc: 4.72 ug/ml



#13 n-Docosane (C22)

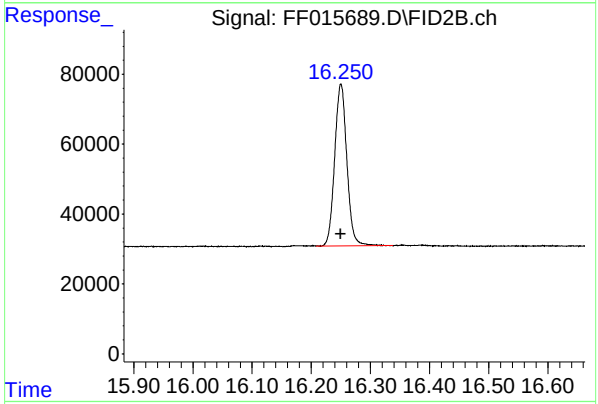
R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 681413
Conc: 4.83 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



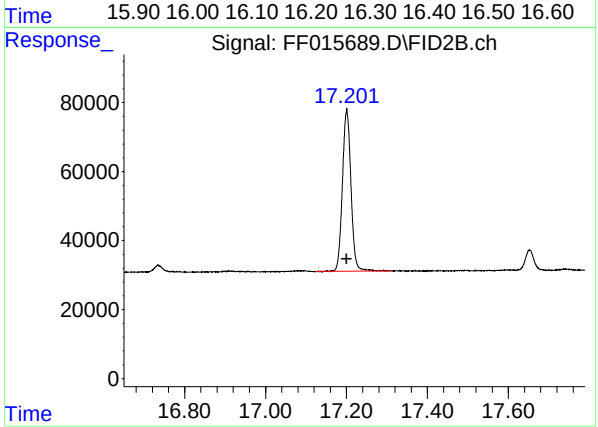
#14 n-Tetracosane (C24)

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



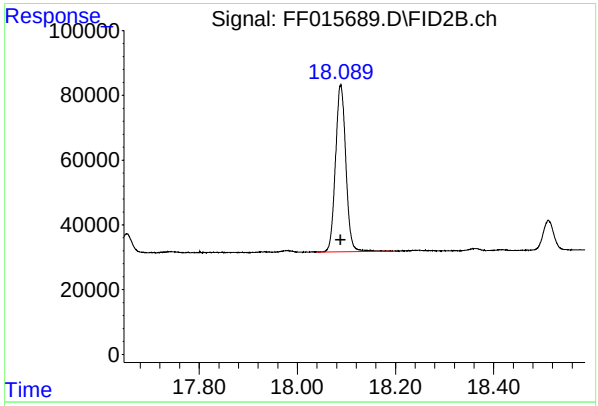
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

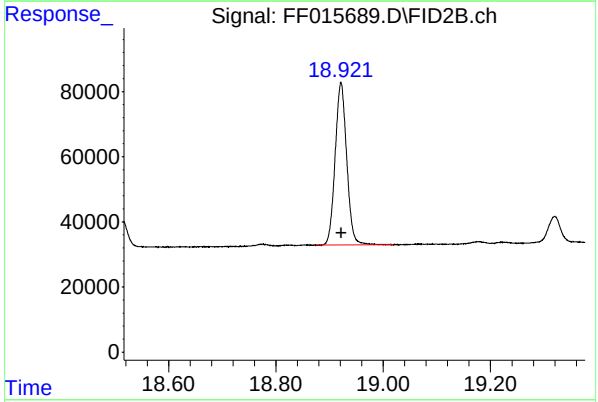
R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 690855
Conc: 4.99 ug/ml



#17 n-Tricontane (C30)

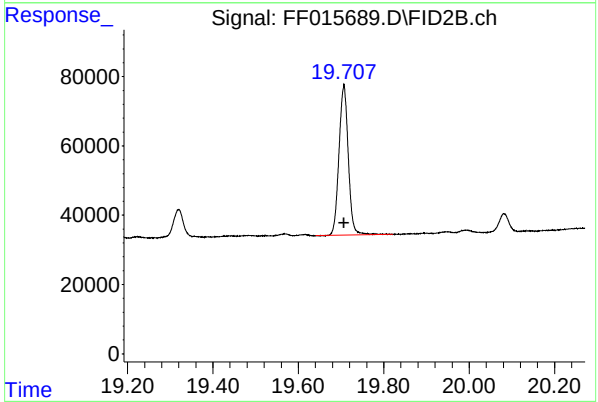
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 754378
Conc: 5.27 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



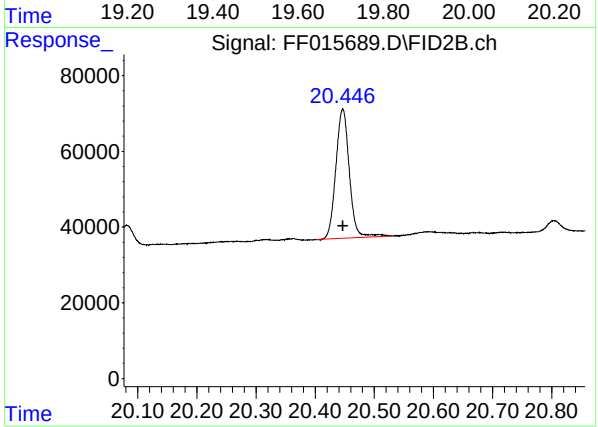
#18 n-Dotriacontane (C32)

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



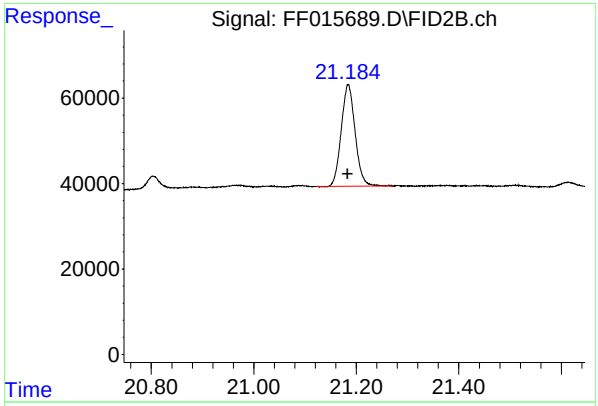
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

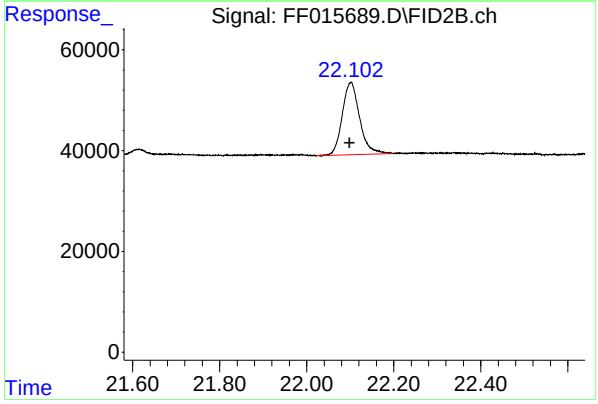
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 540749
Conc: 5.13 ug/ml



#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

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	20 PPM ALIPHATIC HC S'	Acq On:	17 Mar 2025 19:59
Client Sample ID:	20 PPM ALIPHATIC HC S'	Operator:	YP\AJ
Data file:	FF015690.D	Misc:	
Instrument:	FID_F	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.833	10659606	82.976	300	ug/ml
Aliphatic C12-C16	6.834	10.268	7992191	60.724	200	ug/ml
Aliphatic C16-C21	10.269	13.635	8348801	61.672	300	ug/ml
Aliphatic C21-C28	13.636	17.300	10489259	79.297	400	ug/ml
Aliphatic C28-C40	17.301	22.197	12056832	111.486	600	ug/ml
Aliphatic EPH	3.209	22.197	49546689	396.155		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	3078093	20.2		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	2311870	20.37		ug/ml
Aliphatic C9-C28	3.209	17.300	37489857	284.669	1200	ug/ml

Quantitation Report (QT Reviewed)

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.

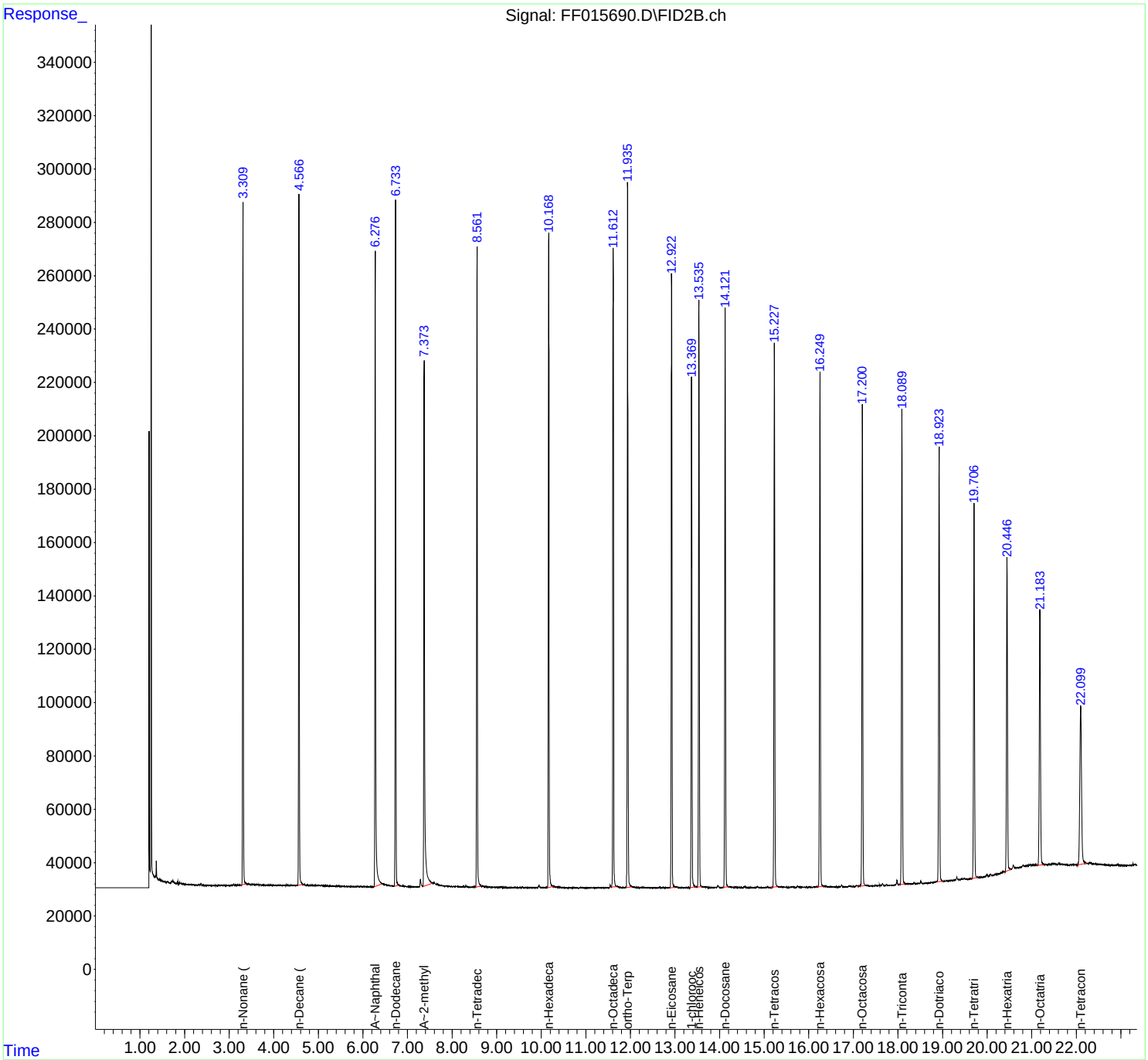
Quantitation Report (QT Reviewed)

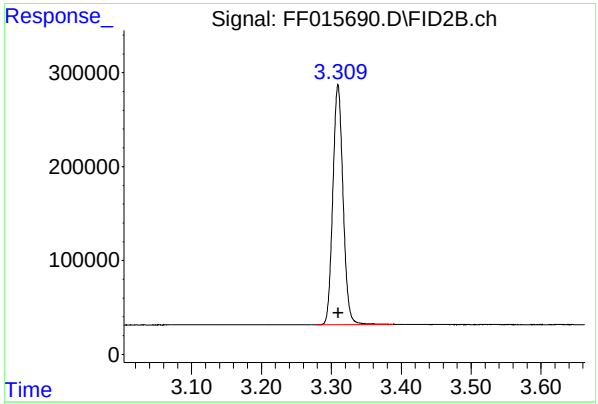
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015690.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

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

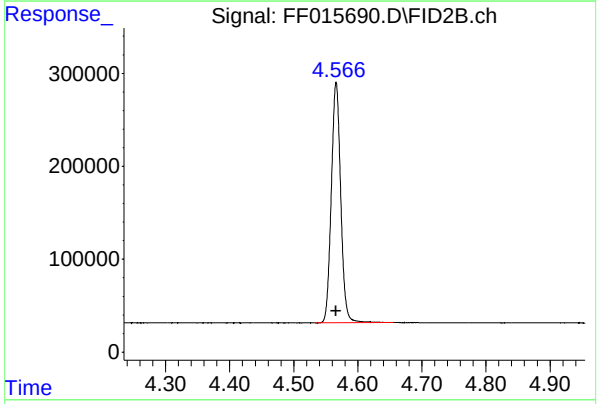




#1 n-Nonane (C9)

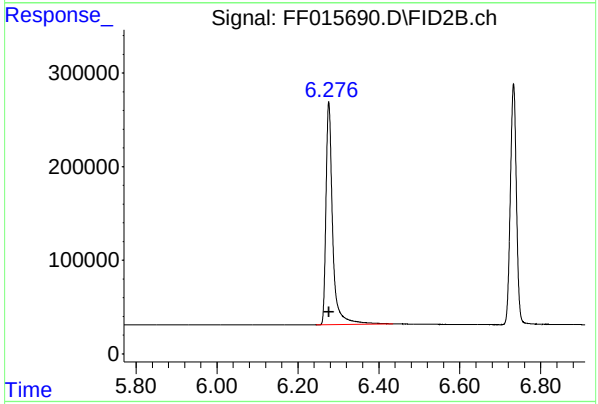
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2596801
Conc: 20.50 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



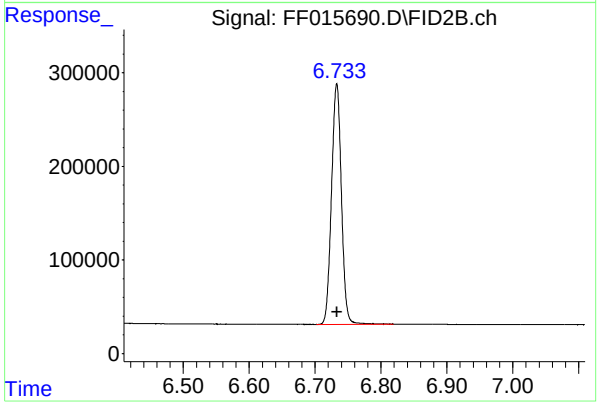
#2 n-Decane (C10)

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



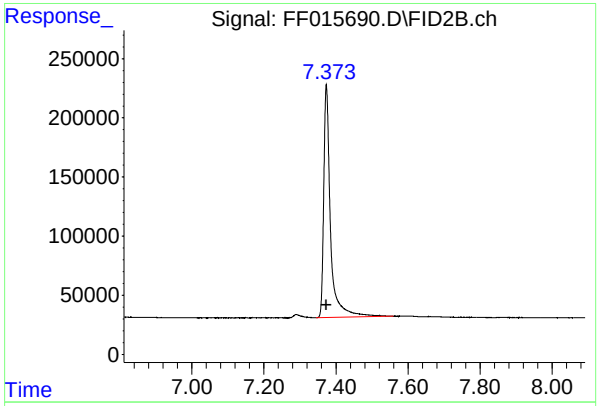
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

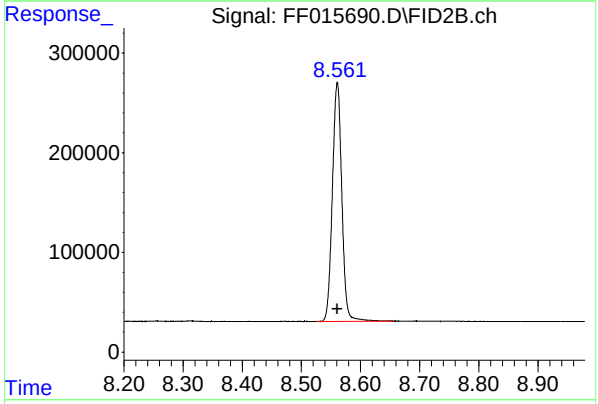
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2676280
Conc: 20.54 ug/ml



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

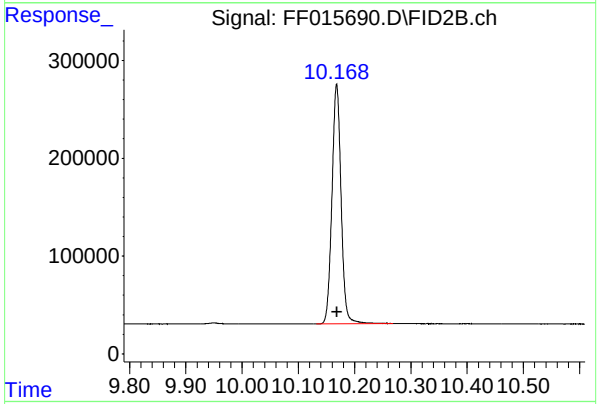
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2565770
Conc: 21.65 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



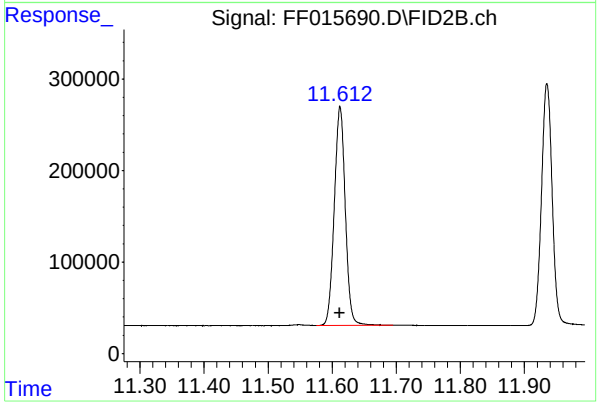
#6 n-Tetradecane (C14)

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



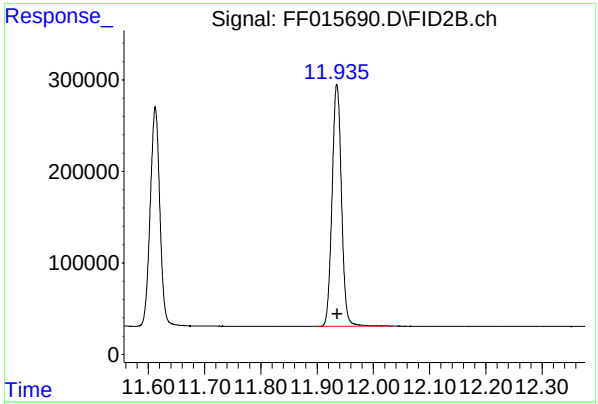
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

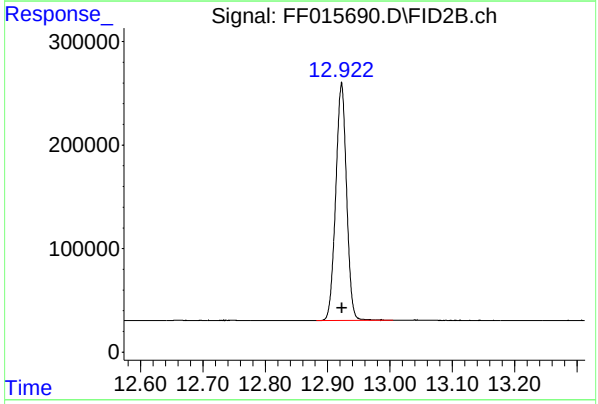
R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2841007
Conc: 20.63 ug/ml



#9 ortho-Terphenyl (SURR)

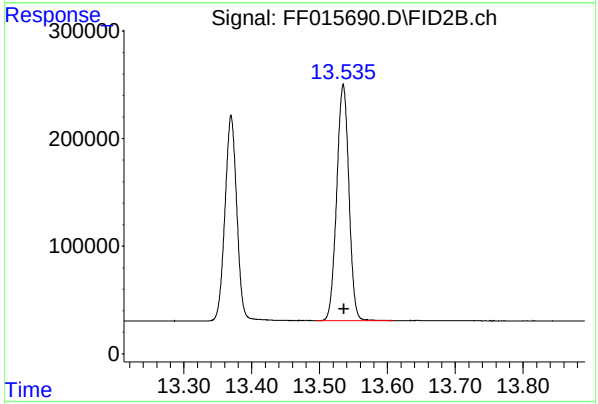
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 3078093
Conc: 20.20 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



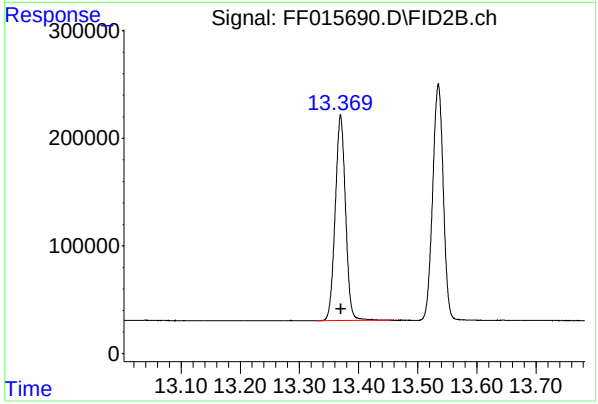
#10 n-Eicosane (C20)

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



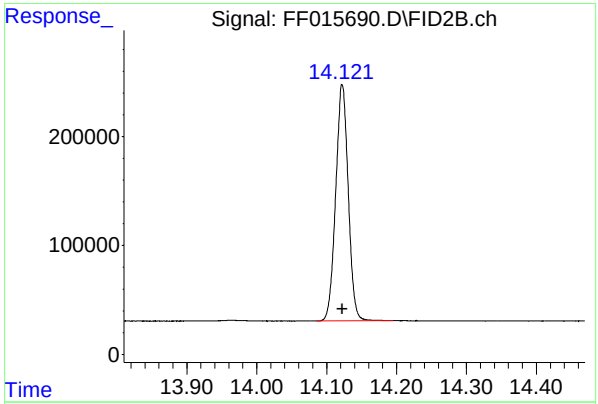
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

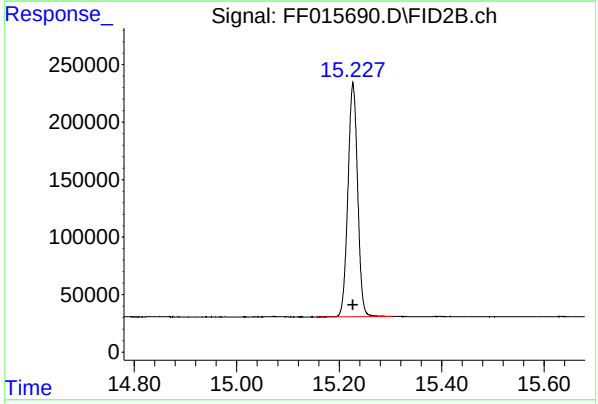
R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 2311870
Conc: 20.37 ug/ml



#13 n-Docosane (C22)

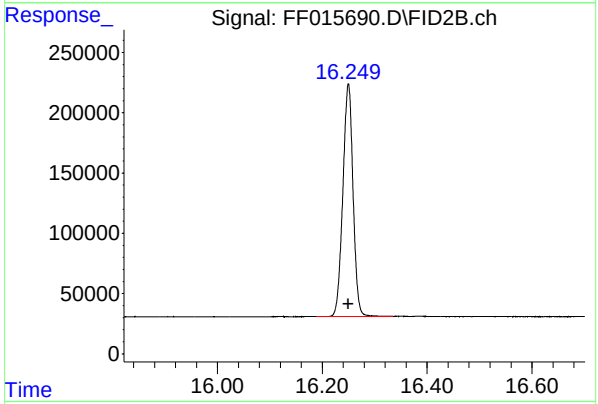
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2704312
Conc: 20.21 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



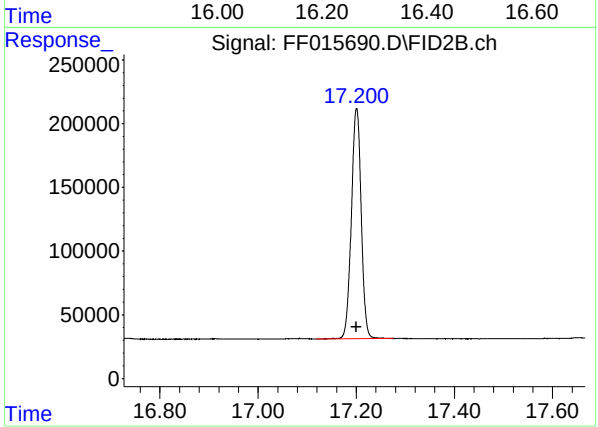
#14 n-Tetracosane (C24)

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



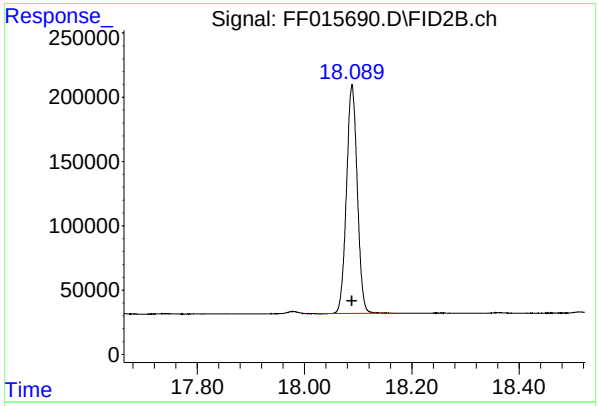
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

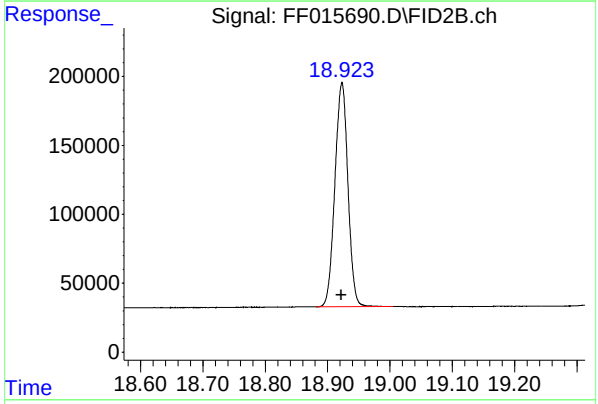
R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 2512077
Conc: 19.23 ug/ml



#17 n-Tricontane (C30)

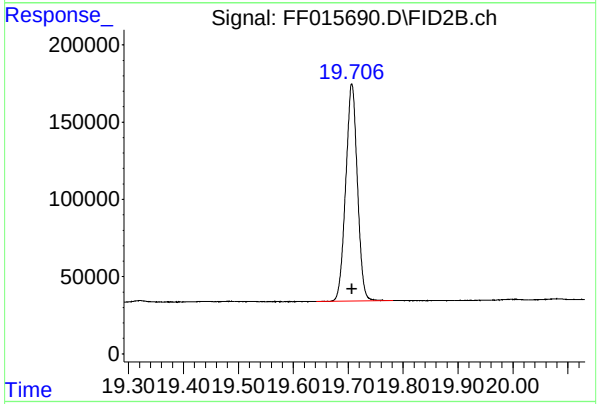
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2491163
Conc: 18.47 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



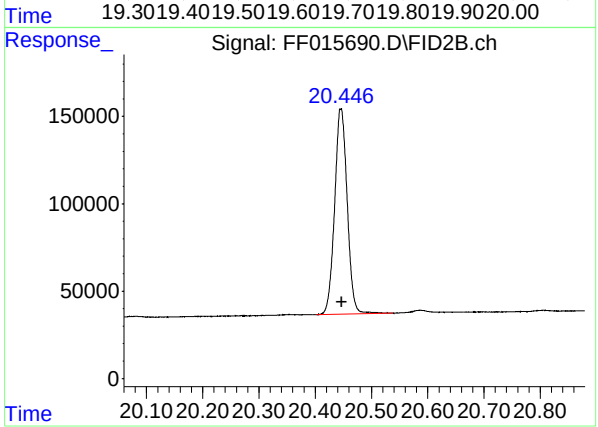
#18 n-Dotriacontane (C32)

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



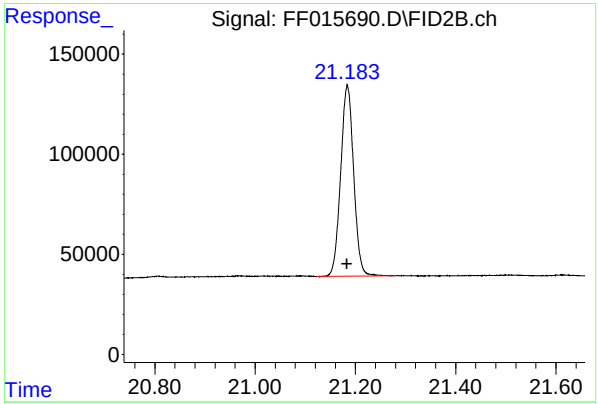
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

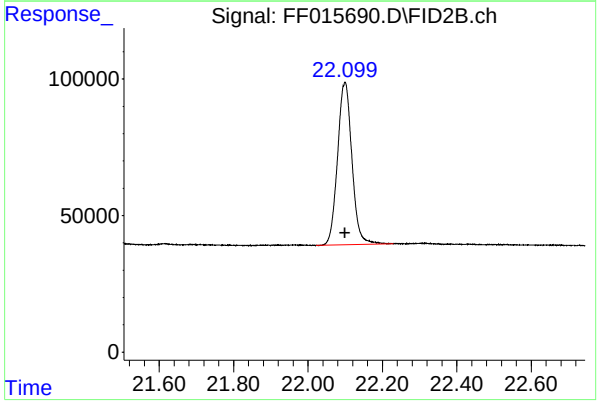
R.T.: 20.446 min
Delta R.T.: -0.001 min
Response: 1822987
Conc: 18.36 ug/ml



#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

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

Inital 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	

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

Lab Sample ID:	100 PPM AROMATIC HC	Acq On:	17 Mar 2025 17:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015502.D	Misc:	
Instrument:	FID_G	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	26308403.000	200.000	ug/ml
Aromatic C12-C16	6.337	9.044	40492472.000	300.000	ug/ml
Aromatic C16-C21	9.045	13.372	54529163.000	400.000	ug/ml
Aromatic C21-C36	13.373	18.833	113166303.000	900.000	ug/ml
Aromatic EPH	4.457	18.833	234496341.000	1800.000	ug/ml

Quantitation Report (QT Reviewed)

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-Flurobiphenyl (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.

Quantitation Report (QT Reviewed)

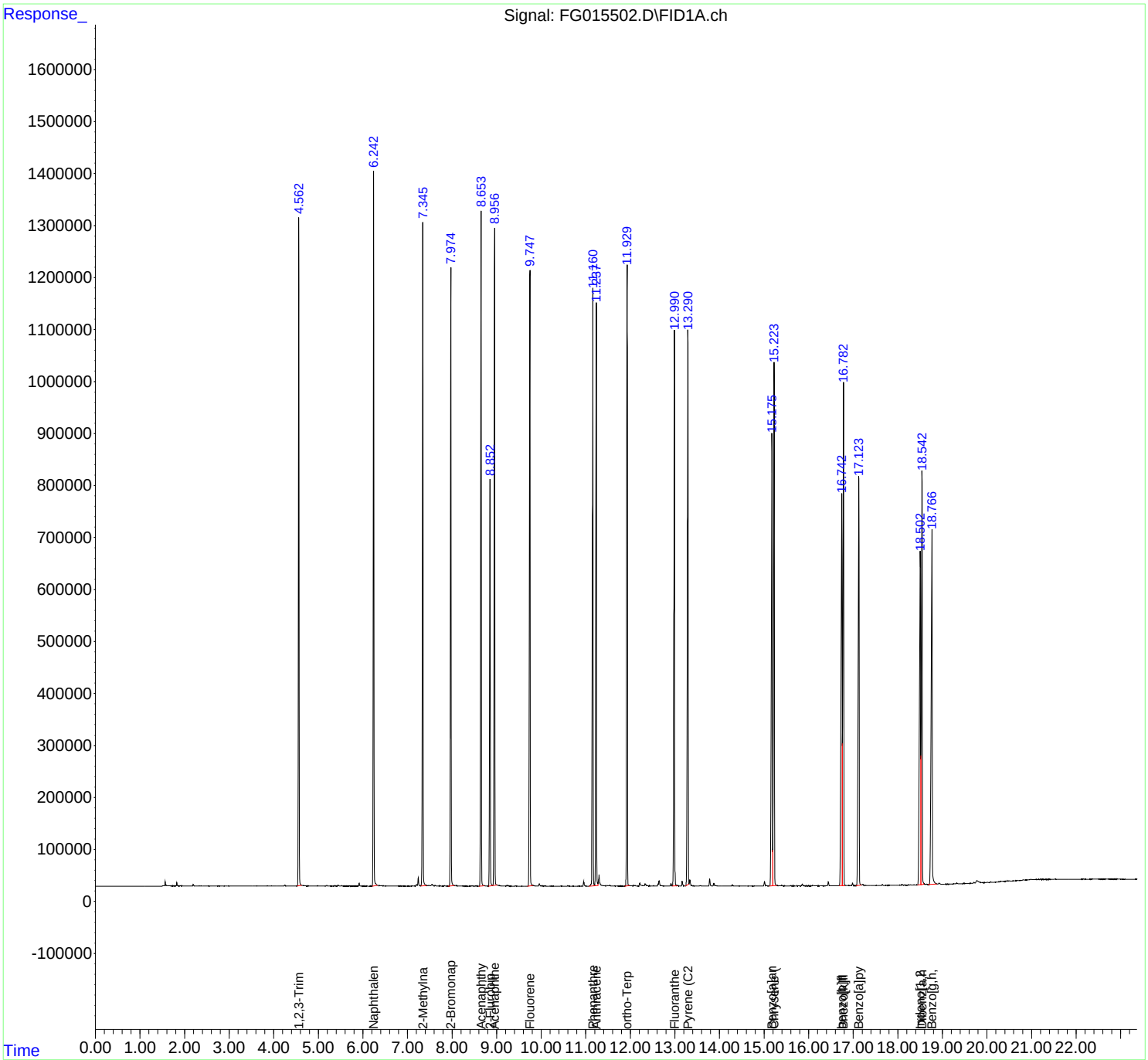
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015502.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

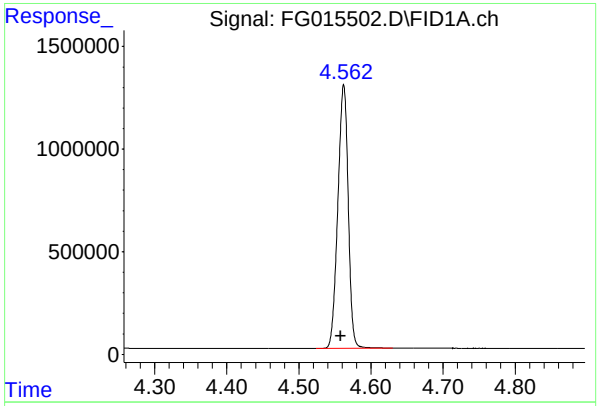
Integration File: autoint1.e
Quant Time: Mar 18 05:05:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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





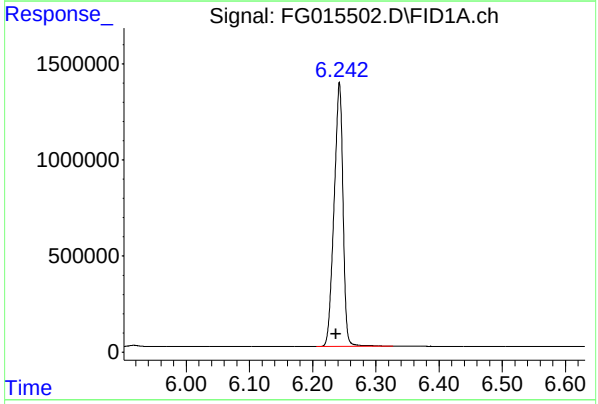
#1 1,2,3-Trimethylbenzene (C10.1)

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

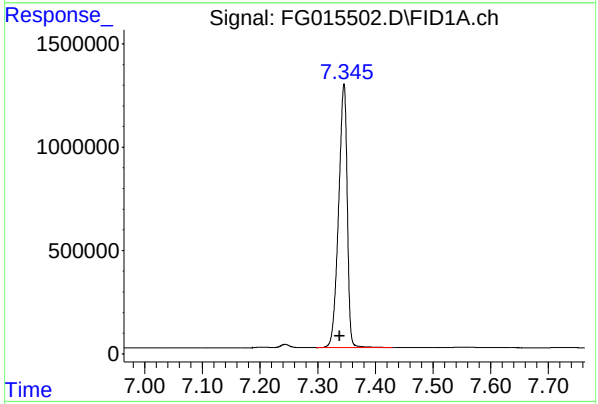
Manual Integrations APPROVED

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



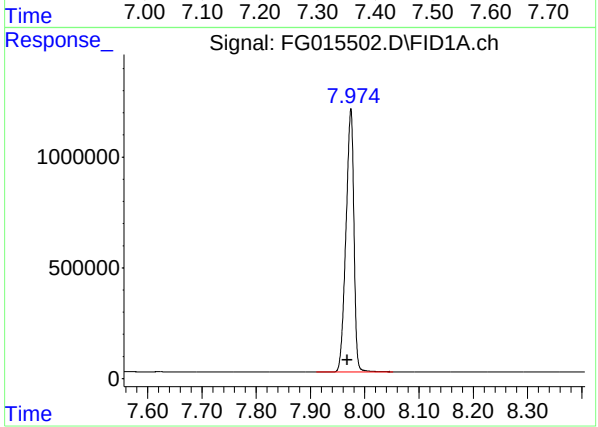
#2 Naphthalene (C11.7)

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



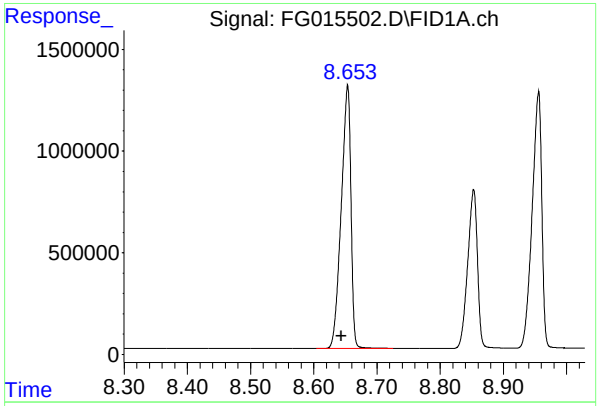
#3 2-Methylnaphthalene (C12.89)

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



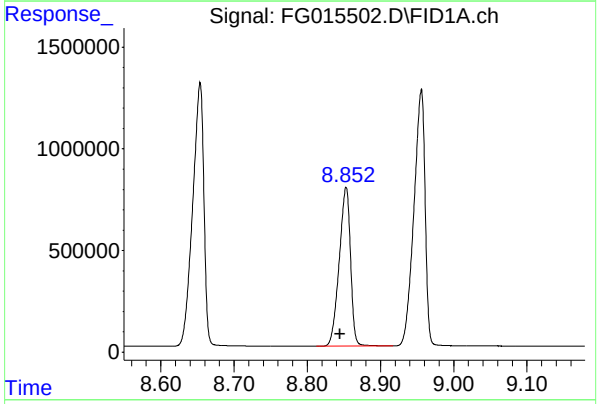
#5 Acenaphthylene (C15.06)

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

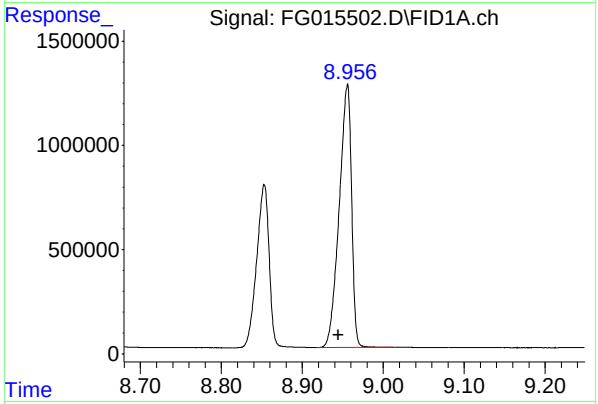
Manual Integrations APPROVED

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



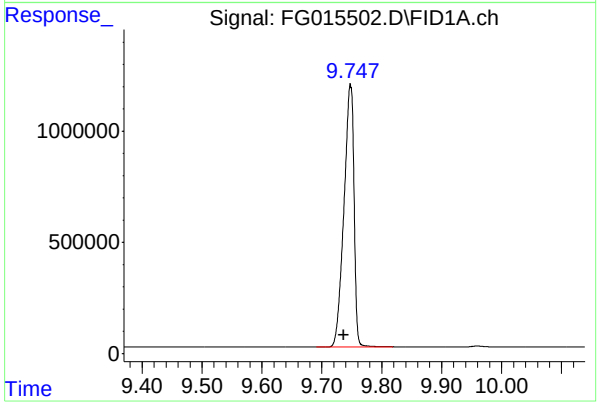
#6 2-Flurobiphenyl (SURR)

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



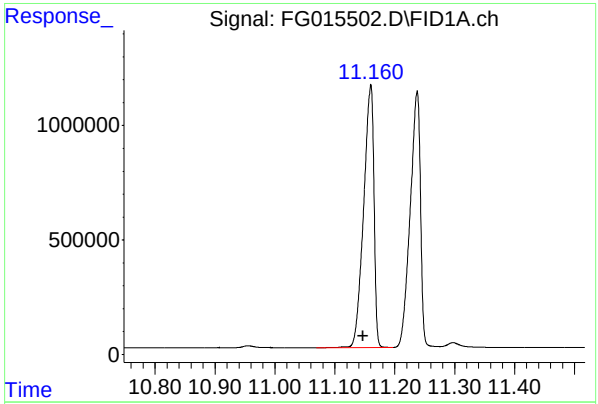
#7 Acenaphthene (C15.5)

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



#8 Flouorene (C16.55)

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



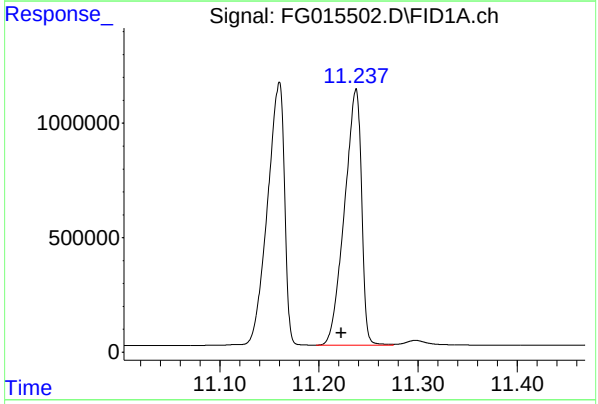
#9 Phenanthrene (C19.36)

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

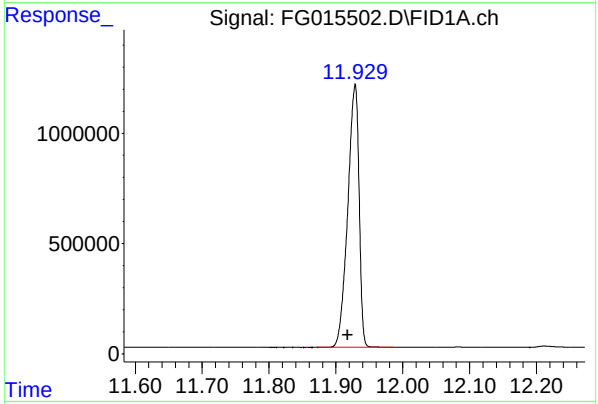
Manual Integrations
APPROVED

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



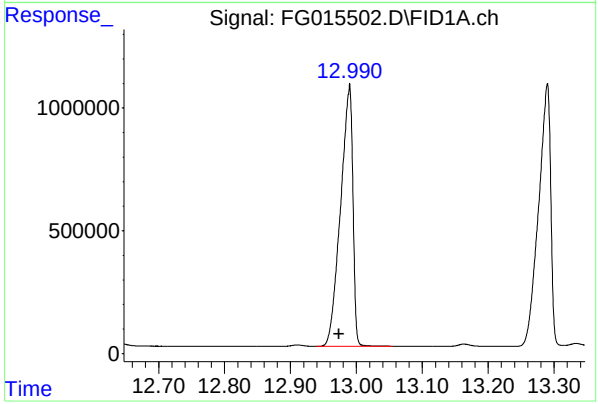
#10 Anthracene (C19.43)

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



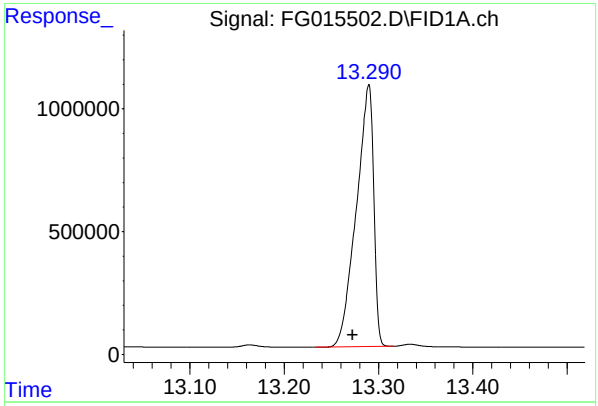
#11 ortho-Terphenyl (SURR)

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



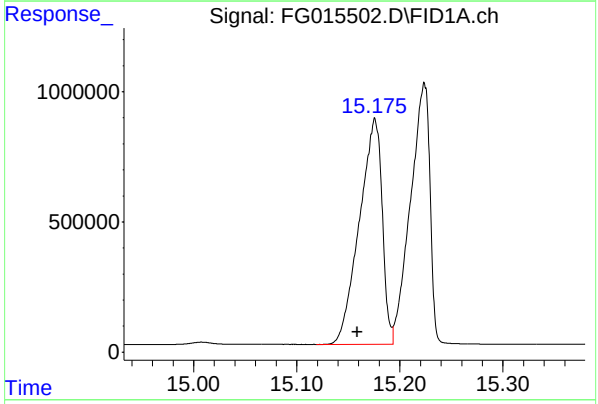
#13 Pyrene (C20.8)

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

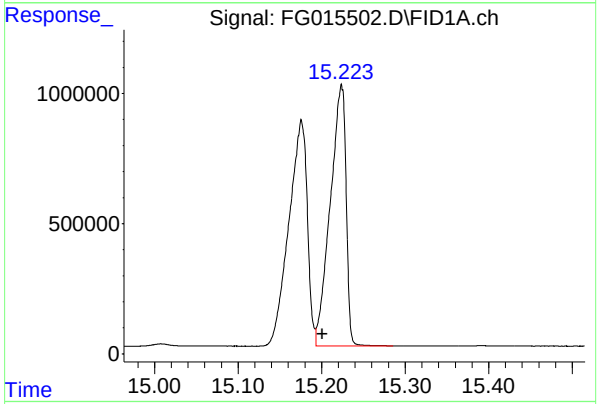
Manual Integrations
APPROVED

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



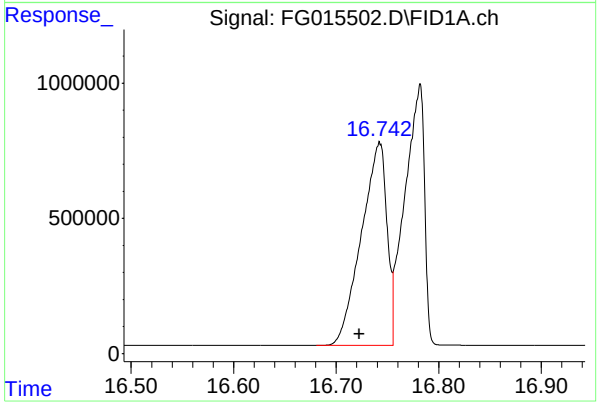
#14 Benzo[a]anthracene (C26.37)

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



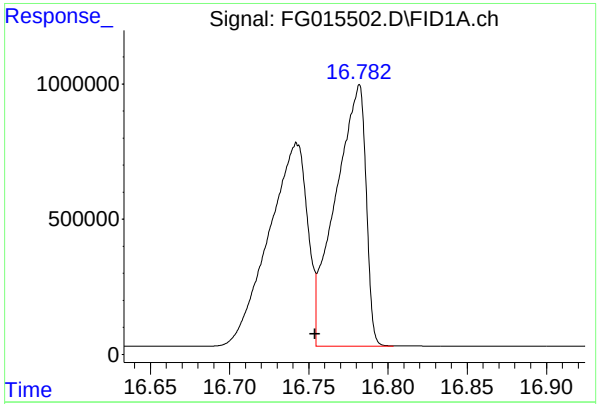
#15 Chrysene (C27.41)

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



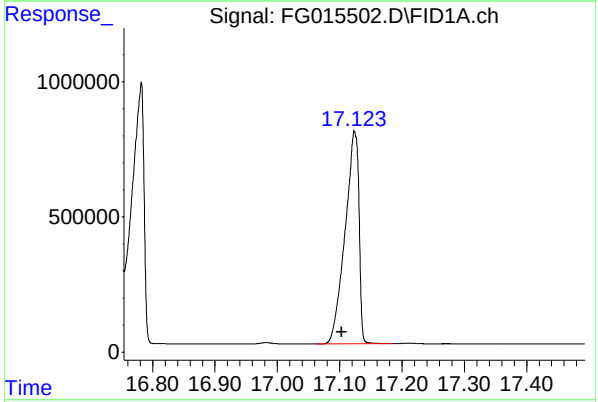
#17 Bnezo[k]fluoranthene (C30.14)

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

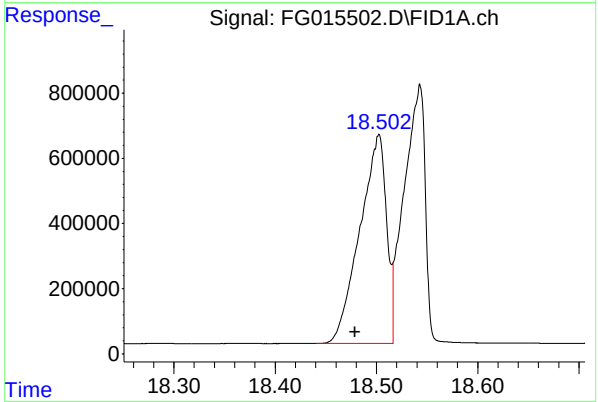
Manual Integrations APPROVED

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



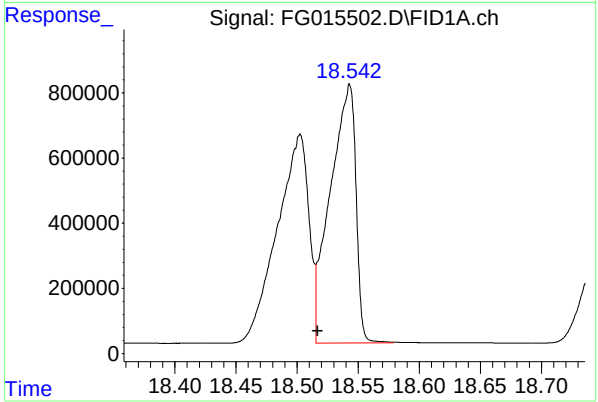
#18 Benzo[a]pyrene (C31.34)

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



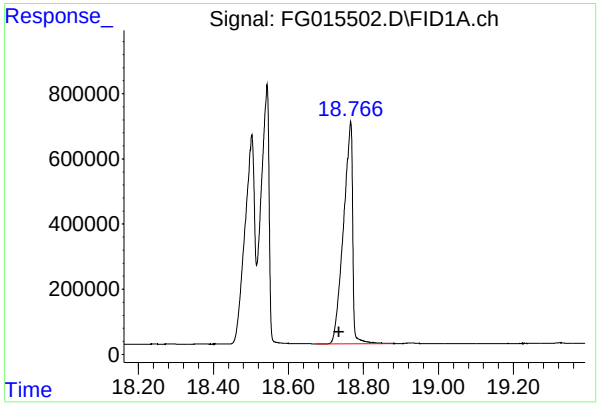
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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 mi
Response: 11624744
Conc: 97.88 ug/m

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

Instrument :
FID_G
LabSampleId :
100 PPM AROMATIC HC STD1

rteres

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

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

Lab Sample ID:	50 PPM AROMATIC HC S	Acq On:	17 Mar 2025 18:01
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015503.D	Misc:	
Instrument:	FID_G	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	13646067.000	100.000	ug/ml
Aromatic C12-C16	6.337	9.044	20940760.000	150.000	ug/ml
Aromatic C16-C21	9.045	13.372	28172992.000	200.000	ug/ml
Aromatic C21-C36	13.373	18.833	58525947.000	450.000	ug/ml
Aromatic EPH	4.457	18.833	121285766.000	900.000	ug/ml

Quantitation Report (QT Reviewed)

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-Flurobiphenyl (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 Flouorene (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.

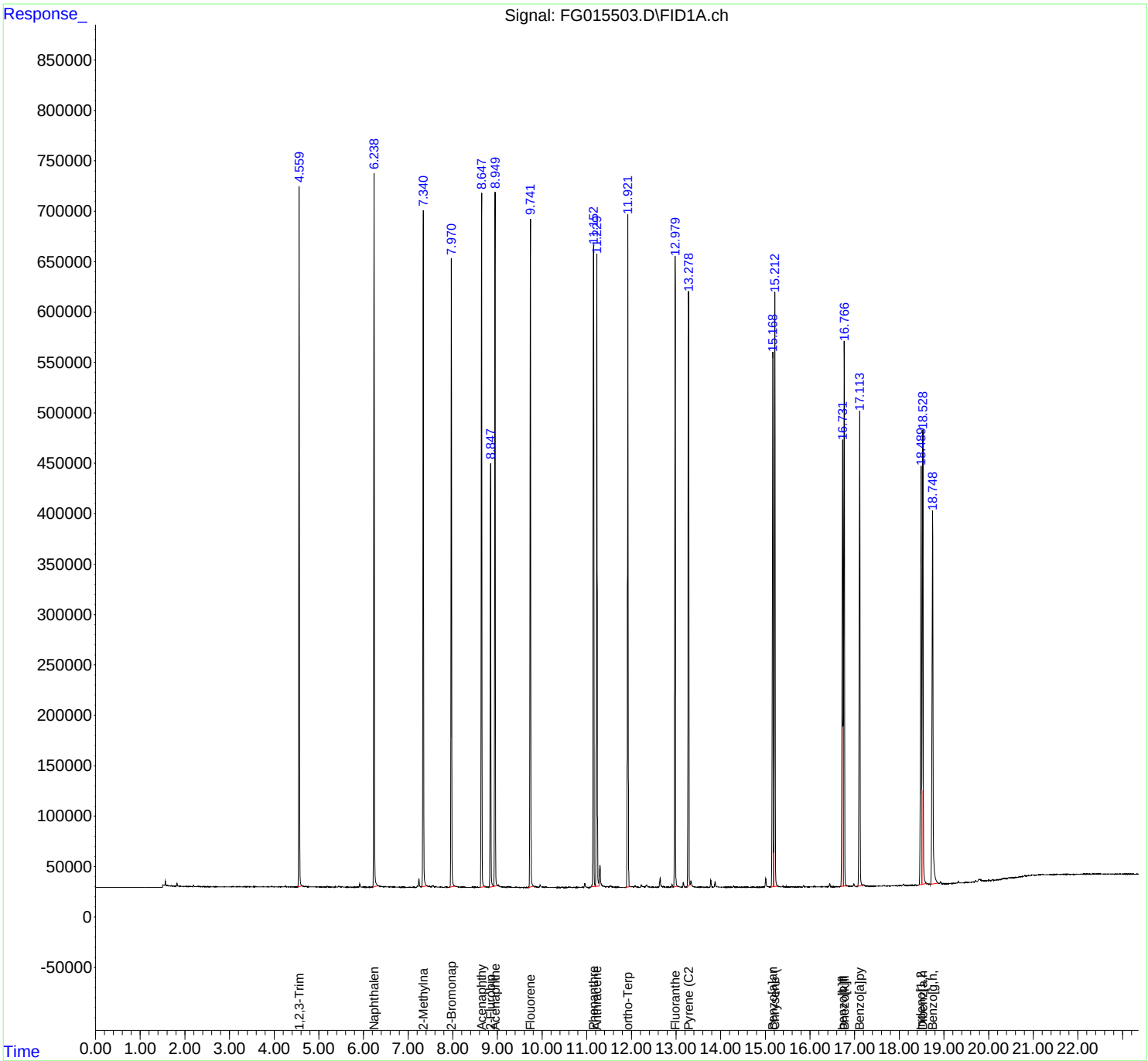
Quantitation Report (QT Reviewed)

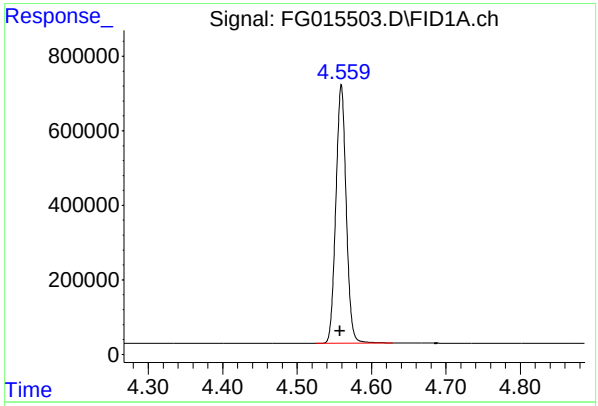
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015503.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:01
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

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

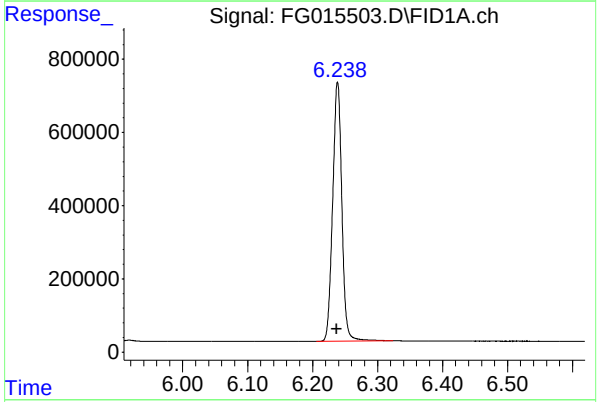




#1 1,2,3-Trimethylbenzene (C10.1)

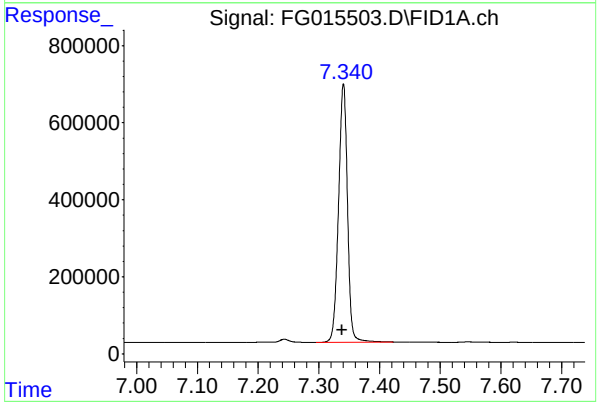
R.T.: 4.559 min
Delta R.T.: 0.001 min
Response: 6683567
Conc: 50.45 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



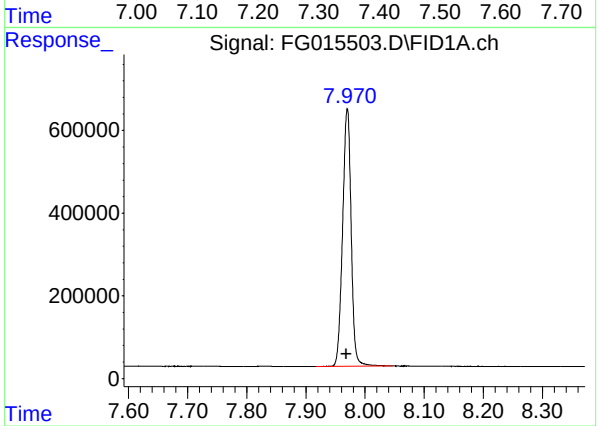
#2 Naphthalene (C11.7)

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



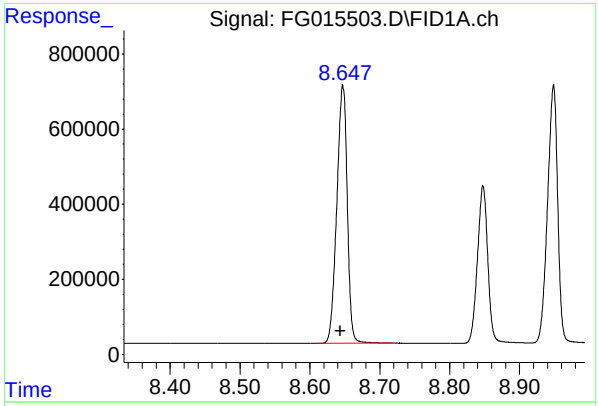
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

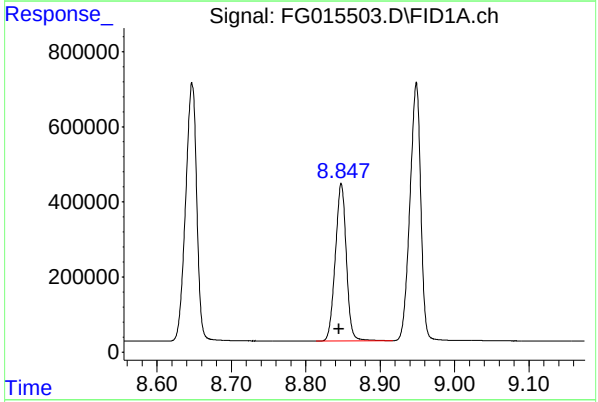
R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 6252076
Conc: 50.92 ug/ml



#5 Acenaphthylene (C15.06)

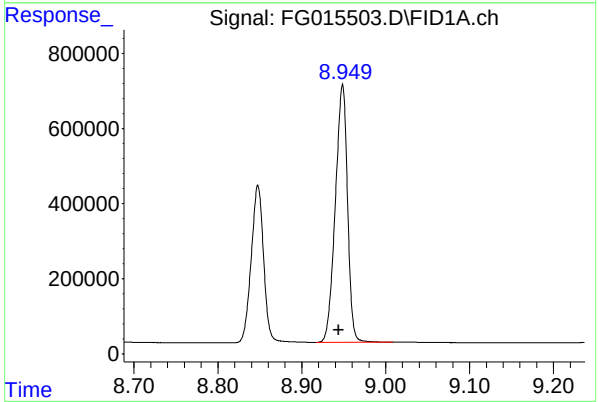
R.T.: 8.647 min
Delta R.T.: 0.003 min
Response: 7140045
Conc: 50.13 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



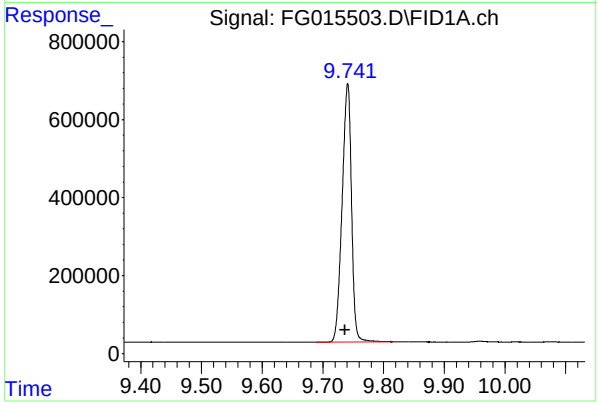
#6 2-Flurobiphenyl (SURR)

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



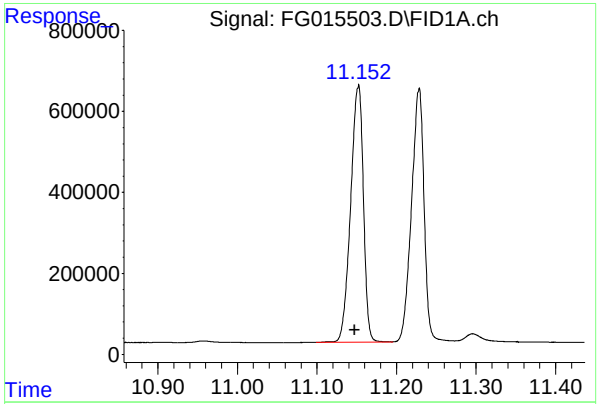
#7 Acenaphthene (C15.5)

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



#8 Flouorene (C16.55)

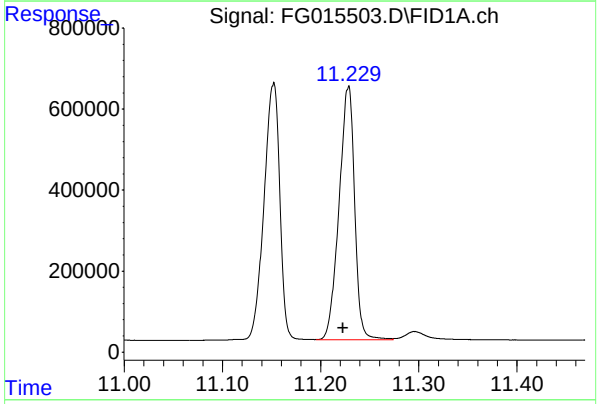
R.T.: 9.741 min
Delta R.T.: 0.004 min
Response: 7121120
Conc: 50.60 ug/ml



#9 Phenanthrene (C19.36)

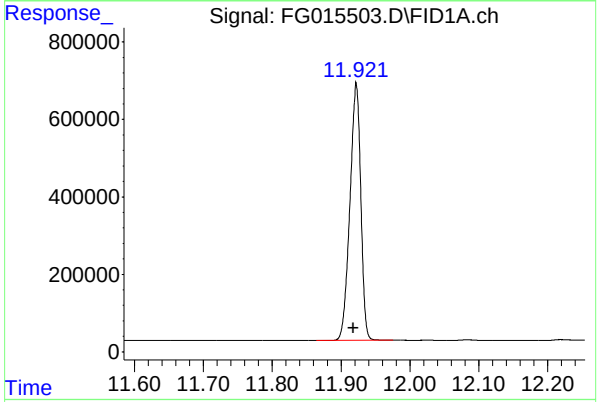
R.T.: 11.152 min
Delta R.T.: 0.004 min
Response: 7081296
Conc: 50.21 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



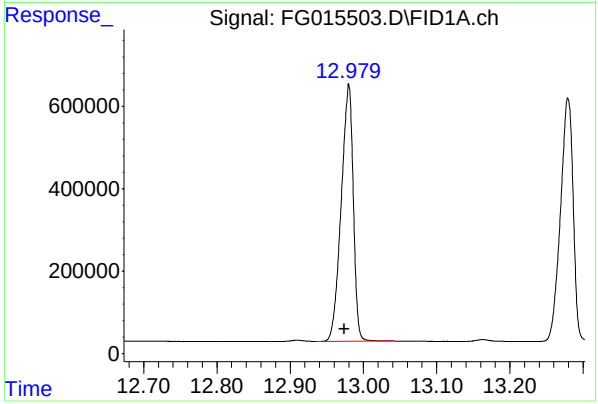
#10 Anthracene (C19.43)

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



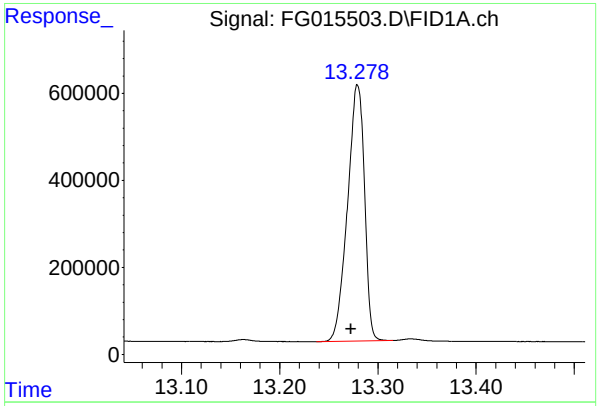
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

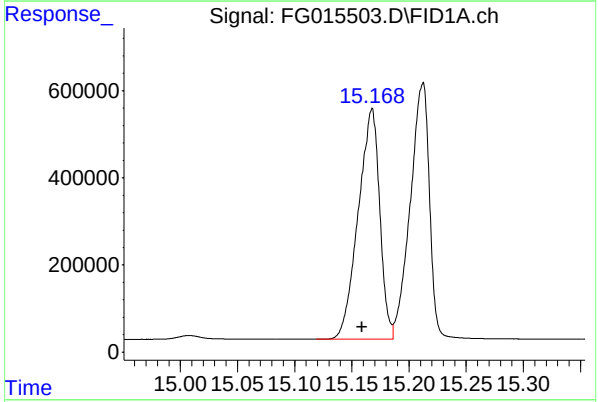
R.T.: 12.980 min
Delta R.T.: 0.006 min
Response: 7142483
Conc: 50.06 ug/ml



#13 Pyrene (C20.8)

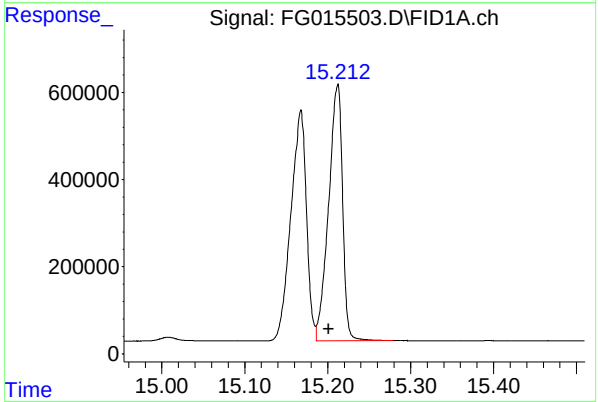
R.T.: 13.279 min
Delta R.T.: 0.007 min
Response: 7059457
Conc: 50.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



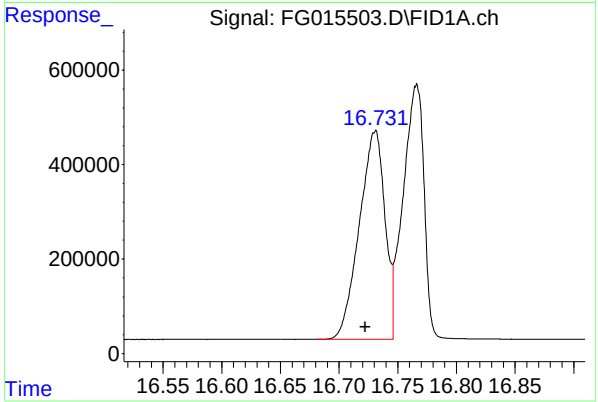
#14 Benzo[a]anthracene (C26.37)

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



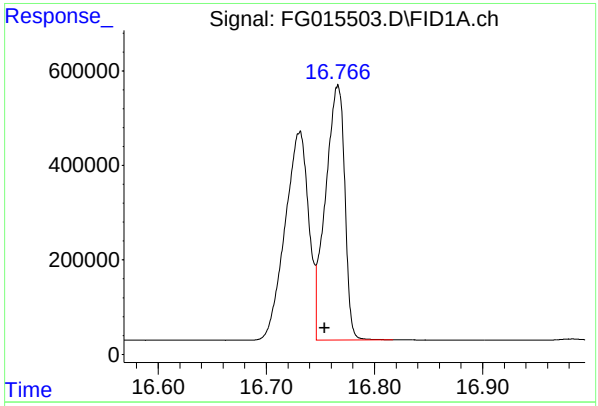
#15 Chrysene (C27.41)

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



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

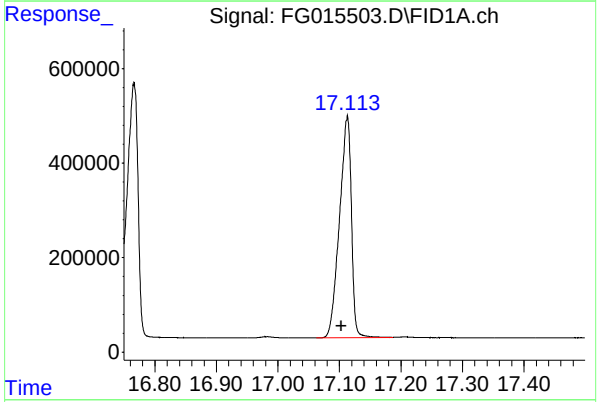
R.T.: 16.730 min
Delta R.T.: 0.008 min
Response: 6698936
Conc: 50.26 ug/ml



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

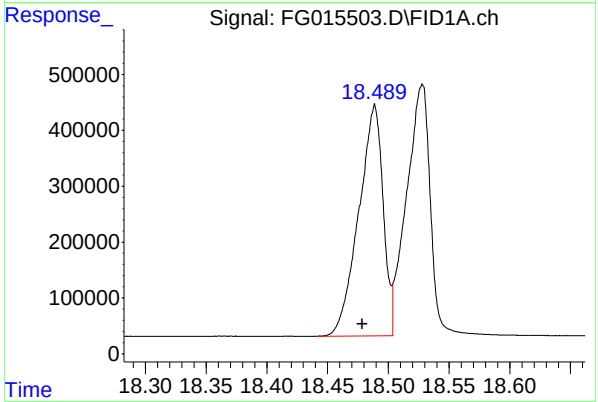
R.T.: 16.766 min
Delta R.T.: 0.012 min
Response: 6683367
Conc: 49.38 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



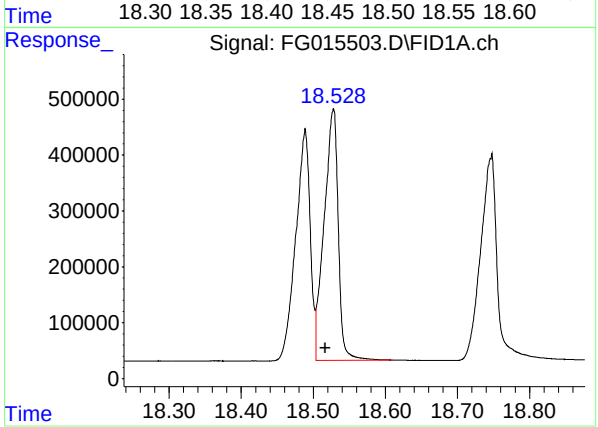
#18 Benzo[a]pyrene (C31.34)

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



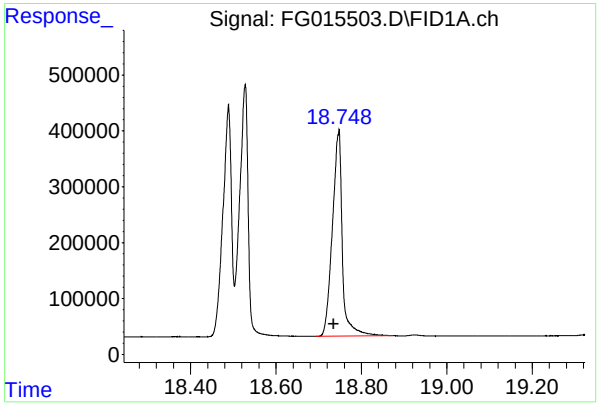
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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 mi
Response: 5964372
Conc: 50.22 ug/m

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

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	17 Mar 2025 18:31
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015504.D	Misc:	
Instrument:	FID_G	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5356264.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.044	8286344.000	60.000	ug/ml
Aromatic C16-C21	9.045	13.372	11190203.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.833	23420337.000	180.000	ug/ml
Aromatic EPH	4.457	18.833	48253148.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

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-Flurobiphenyl (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 Flouorene (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.

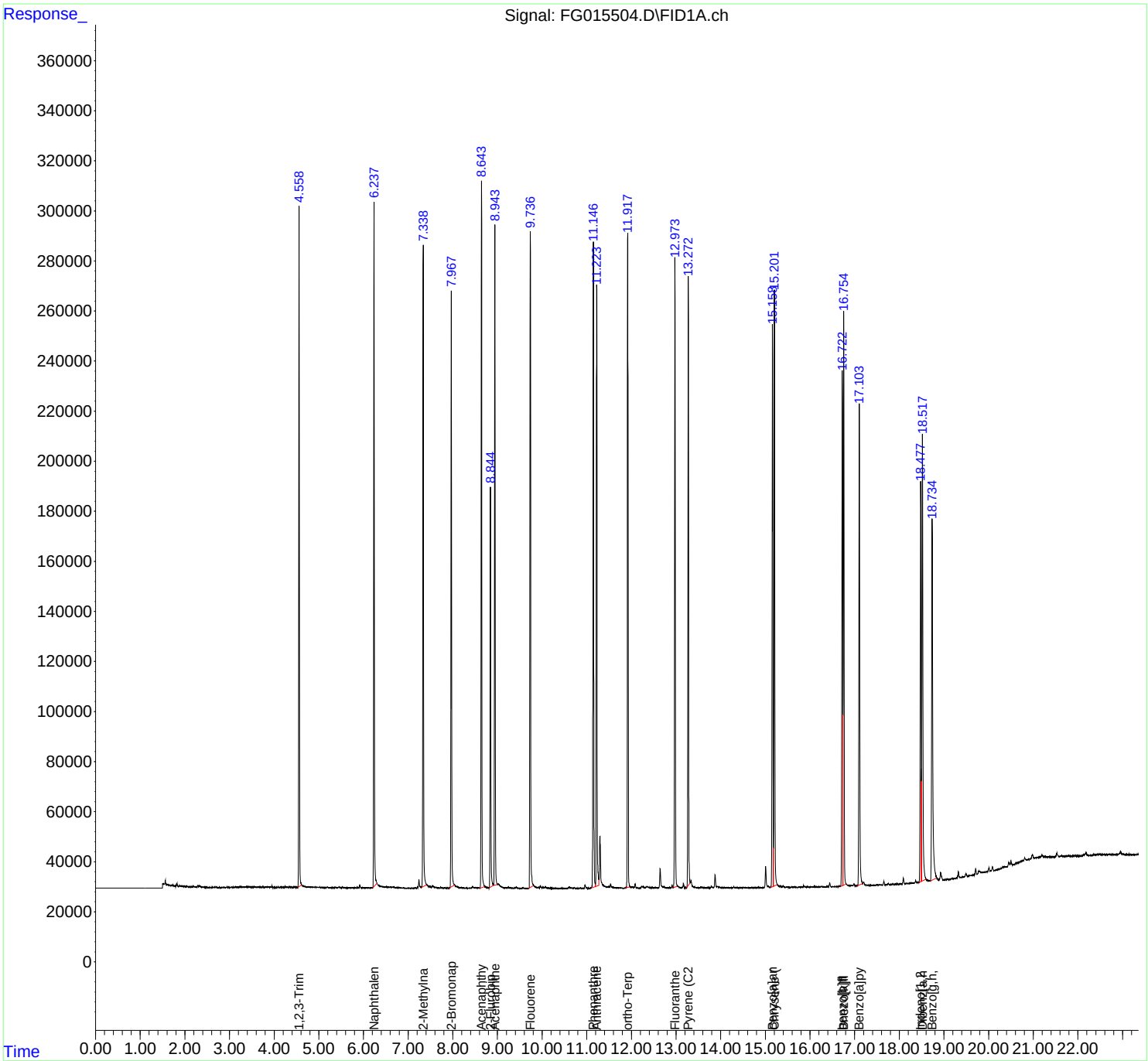
Quantitation Report (QT Reviewed)

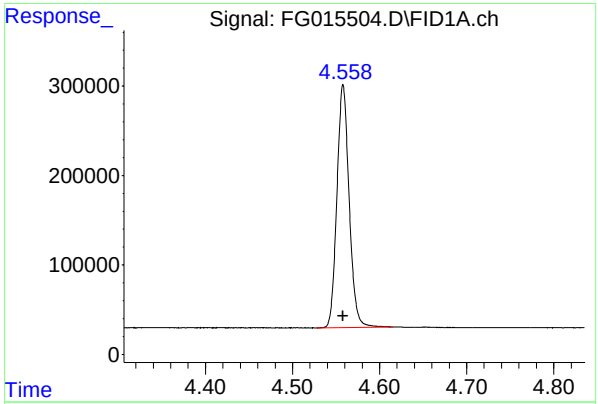
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015504.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:31
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

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

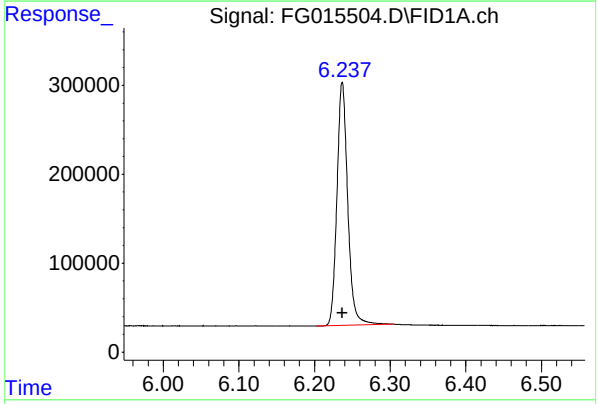




#1 1,2,3-Trimethylbenzene (C10.1)

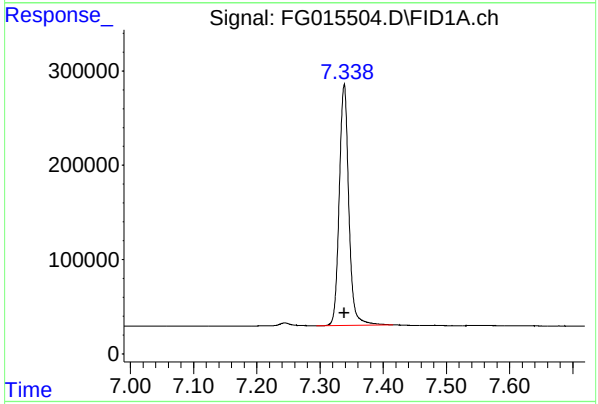
R.T.: 4.558 min
Delta R.T.: 0.000 min
Response: 2649640
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



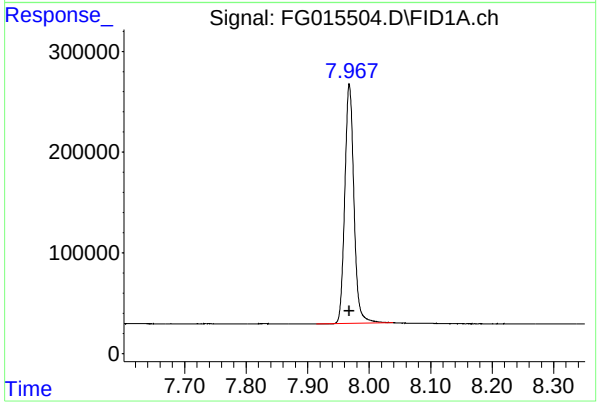
#2 Naphthalene (C11.7)

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



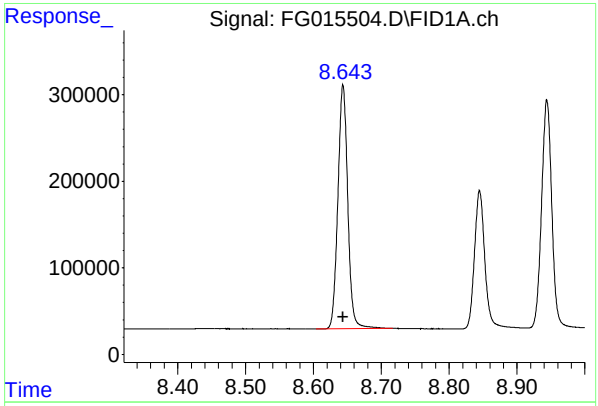
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

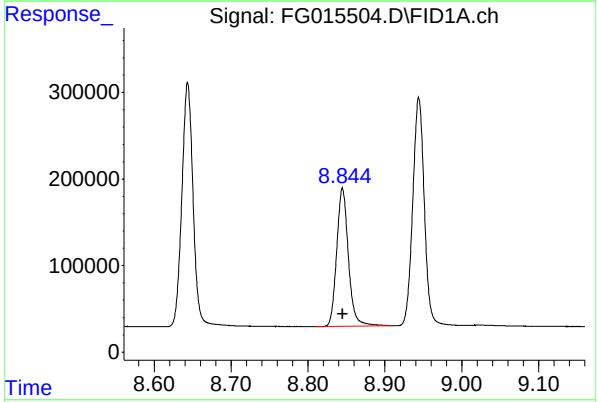
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 2455614
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

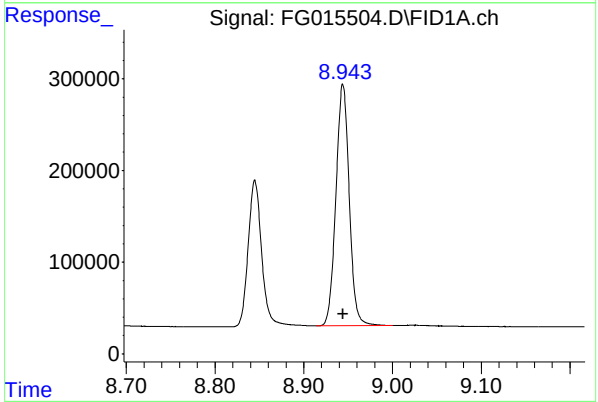
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 2848336
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



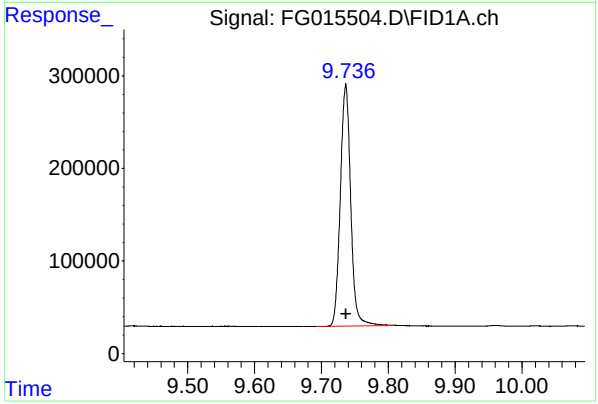
#6 2-Flurobiphenyl (SURR)

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



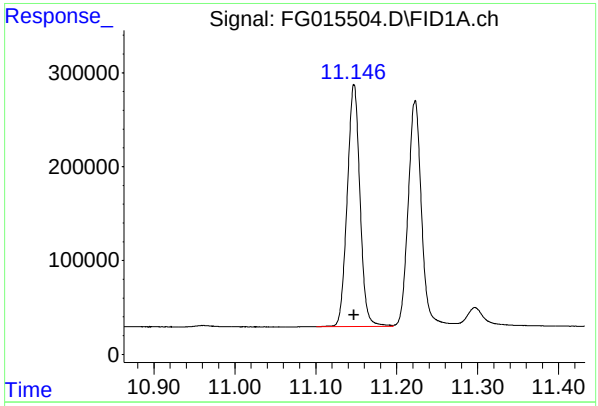
#7 Acenaphthene (C15.5)

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



#8 Flouorene (C16.55)

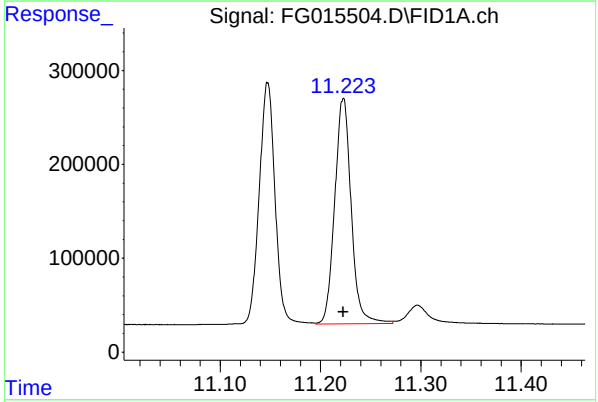
R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 2814760
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

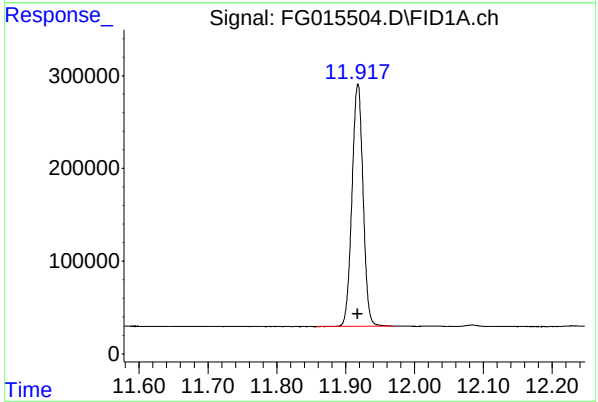
R.T.: 11.147 min
Delta R.T.: 0.000 min
Response: 2820694
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



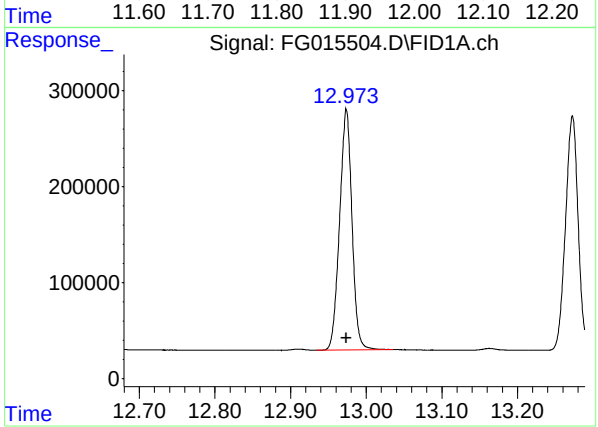
#10 Anthracene (C19.43)

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



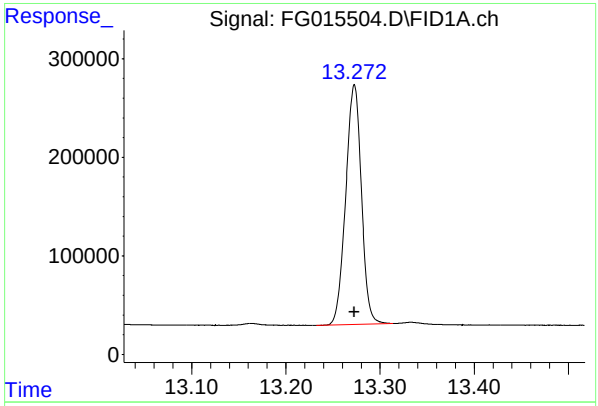
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

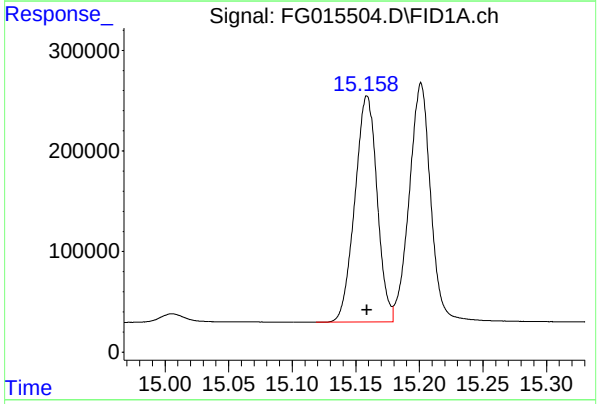
R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 2853693
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

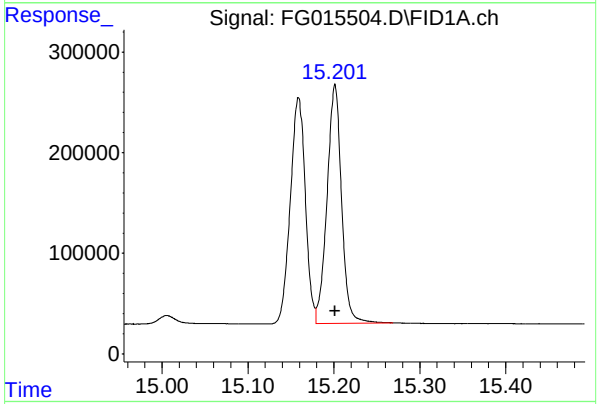
R.T.: 13.273 min
Delta R.T.: 0.000 min
Response: 2811288
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



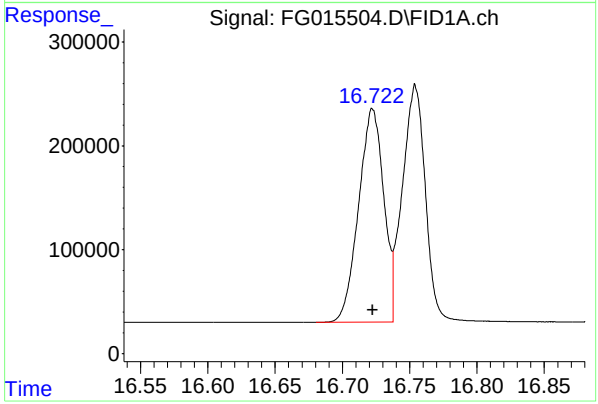
#14 Benzo[a]anthracene (C26.37)

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



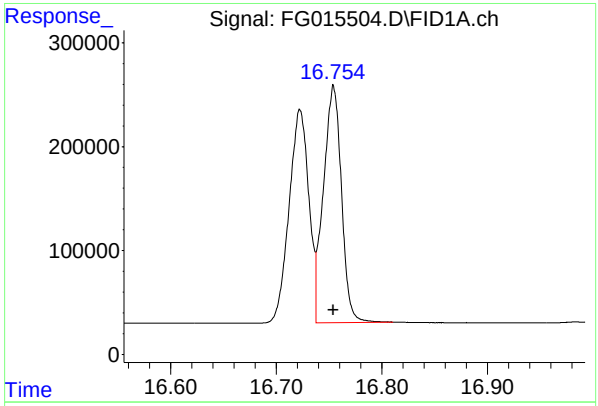
#15 Chrysene (C27.41)

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



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

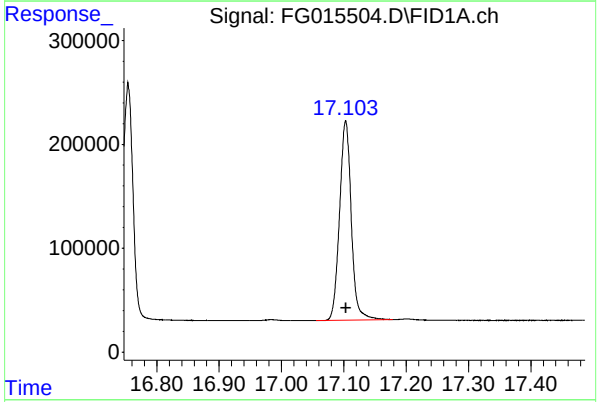
R.T.: 16.723 min
Delta R.T.: 0.000 min
Response: 2665661
Conc: 20.00 ug/ml



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

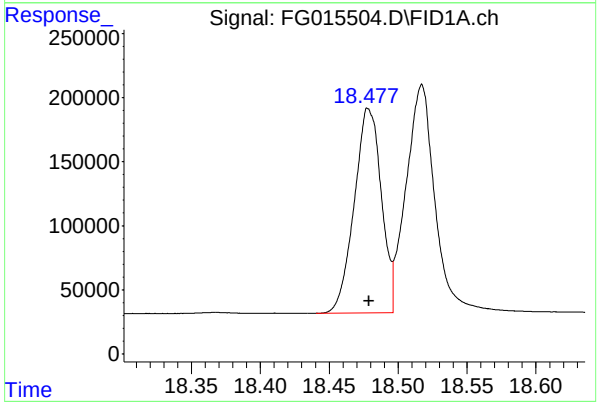
R.T.: 16.754 min
Delta R.T.: 0.000 min
Response: 2707094
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



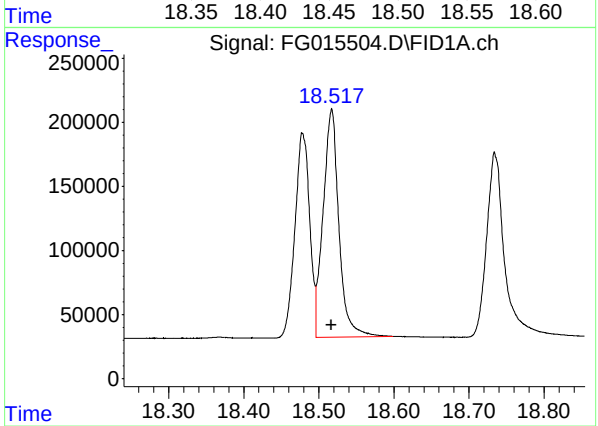
#18 Benzo[a]pyrene (C31.34)

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



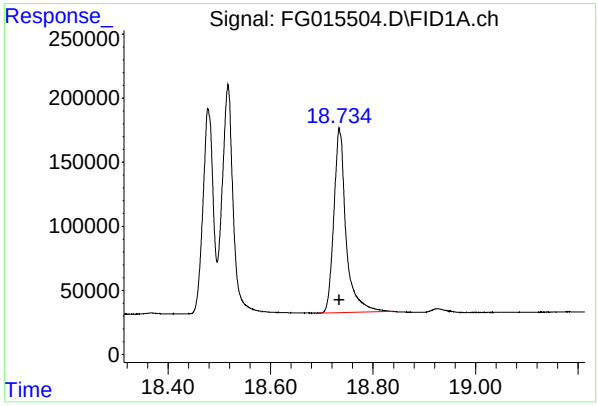
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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 mi
Response: 2375286
Conc: 20.00 ug/m

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

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

Lab Sample ID:	10 PPM AROMATIC HC S	Acq On:	17 Mar 2025 19:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015505.D	Misc:	
Instrument:	FID_G	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	2672678.000	20.000	ug/ml
Aromatic C12-C16	6.337	9.044	4096782.000	30.000	ug/ml
Aromatic C16-C21	9.045	13.372	5588718.000	40.000	ug/ml
Aromatic C21-C36	13.373	18.833	11832868.000	90.000	ug/ml
Aromatic EPH	4.457	18.833	24191046.000	180.000	ug/ml

Quantitation Report (QT Reviewed)

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-Flurobiphenyl (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.

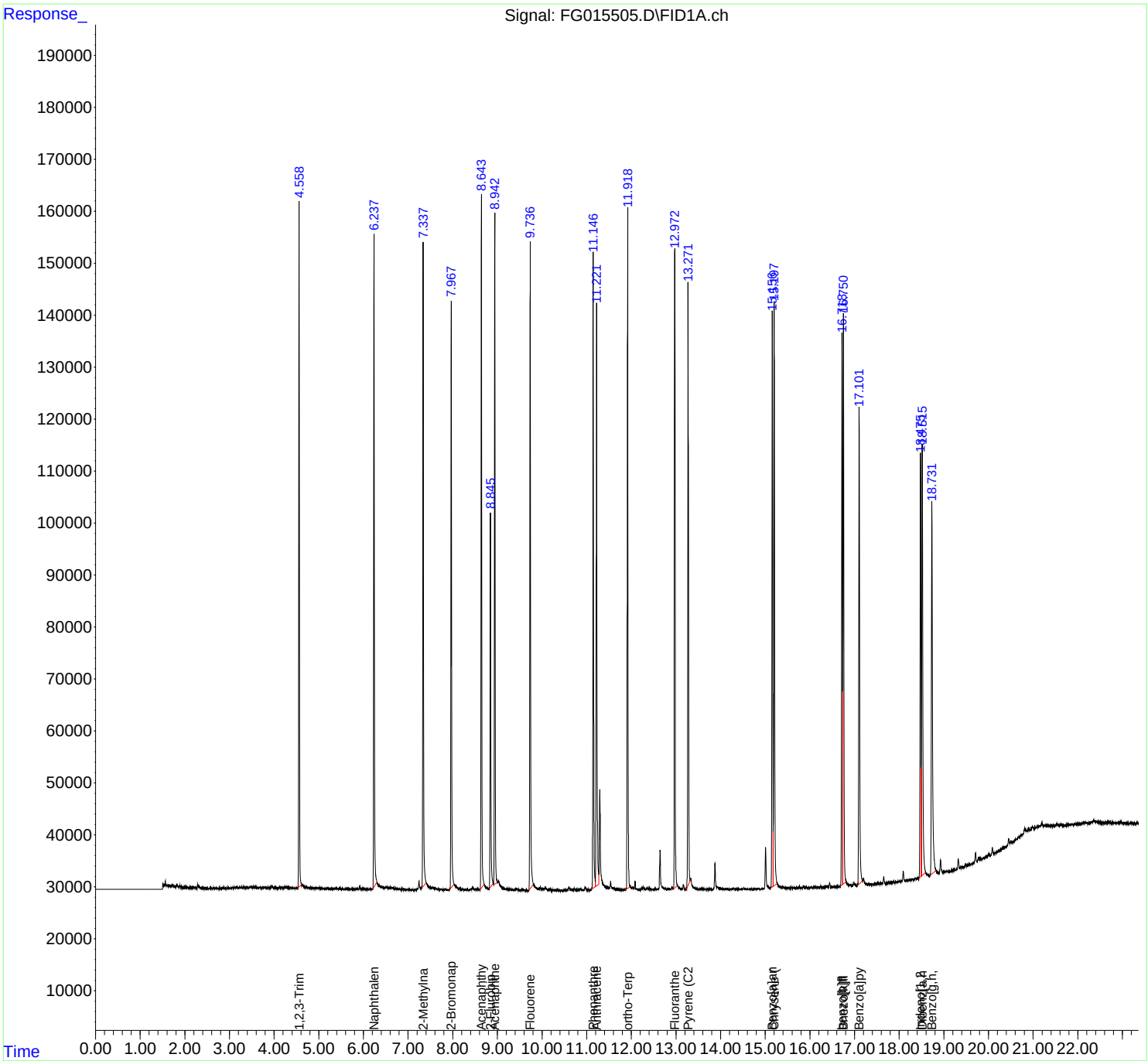
Quantitation Report (QT Reviewed)

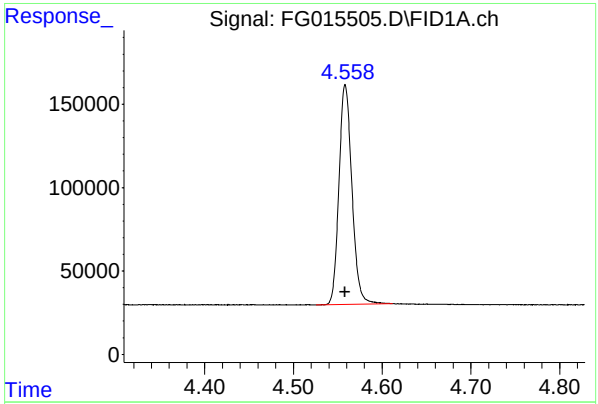
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015505.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:00
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

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

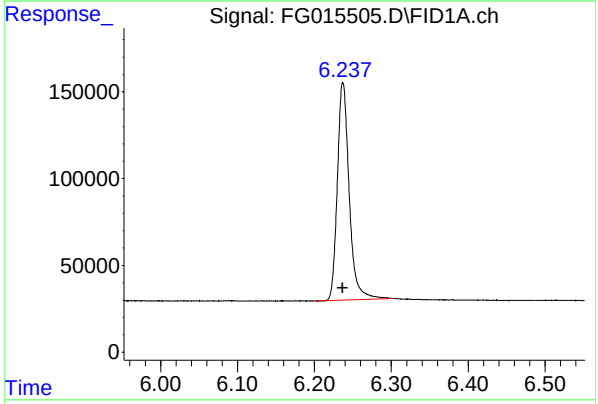




#1 1,2,3-Trimethylbenzene (C10.1)

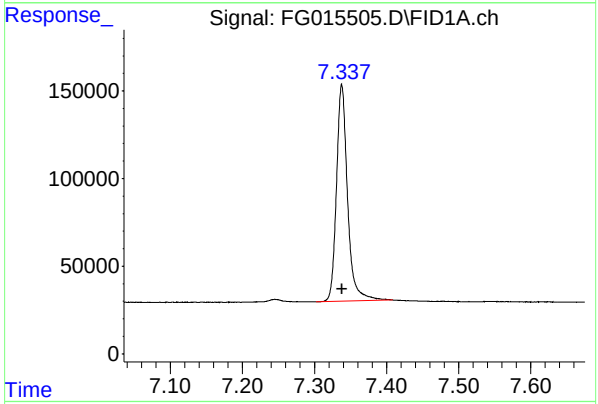
R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 1335509
Conc: 10.08 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



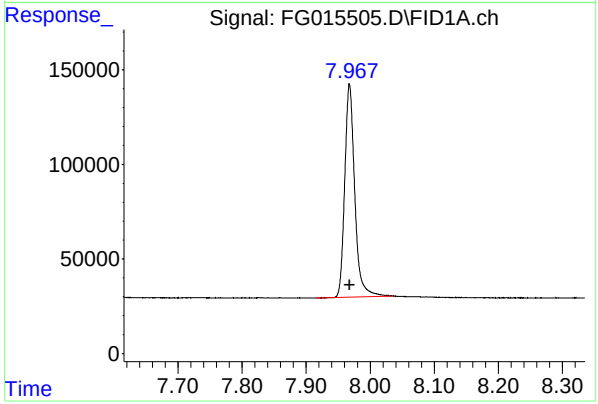
#2 Naphthalene (C11.7)

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



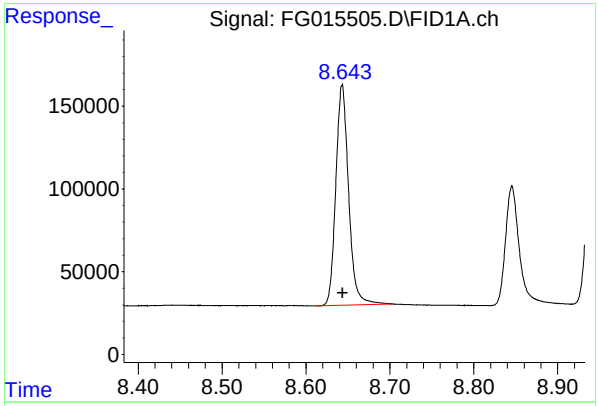
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

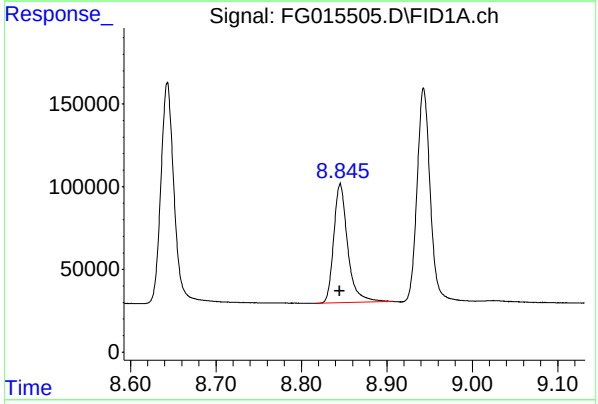
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 1213703
Conc: 9.89 ug/ml



#5 Acenaphthylene (C15.06)

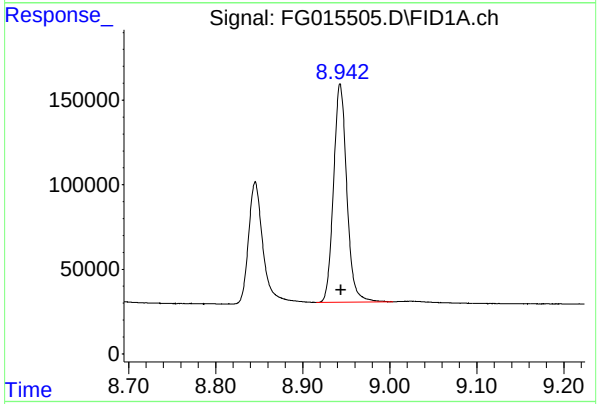
R.T.: 8.643 min
Delta R.T.: 0.000 min
Response: 1411336
Conc: 9.91 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



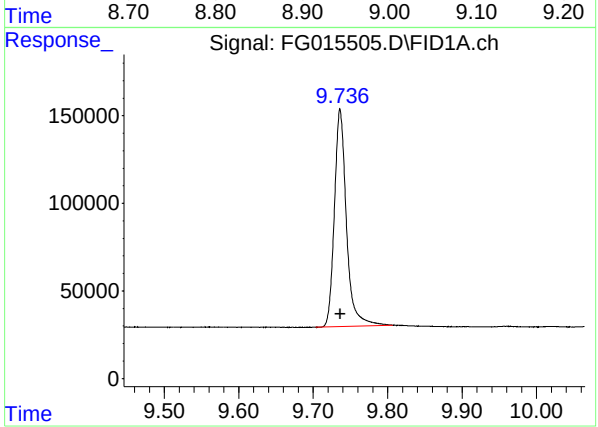
#6 2-Flurobiphenyl (SURR)

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



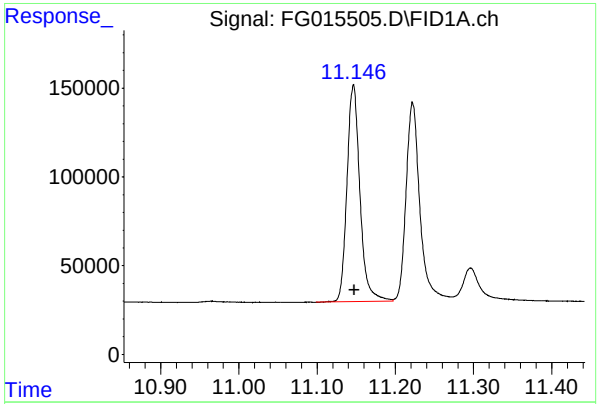
#7 Acenaphthene (C15.5)

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



#8 Flouorene (C16.55)

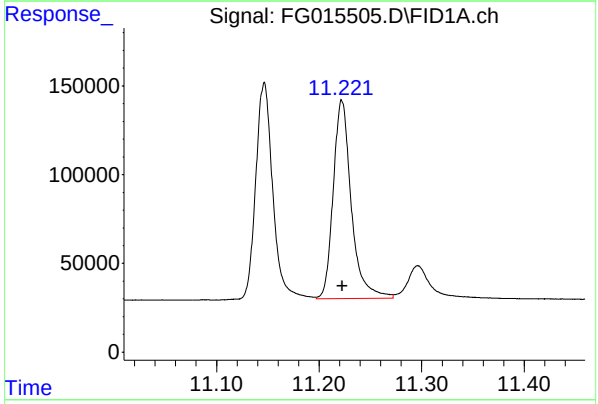
R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 1396110
Conc: 9.92 ug/ml



#9 Phenanthrene (C19.36)

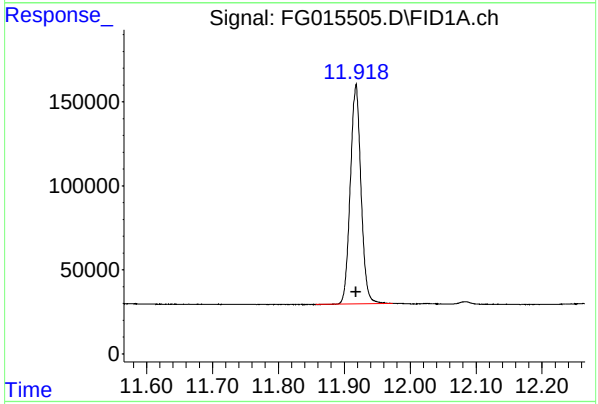
R.T.: 11.146 min
Delta R.T.: 0.000 min
Response: 1410660
Conc: 10.00 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



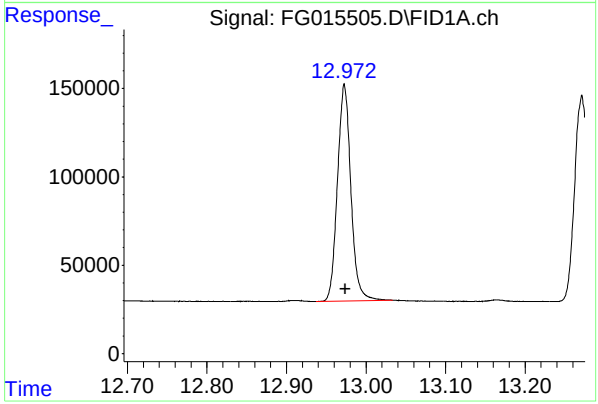
#10 Anthracene (C19.43)

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



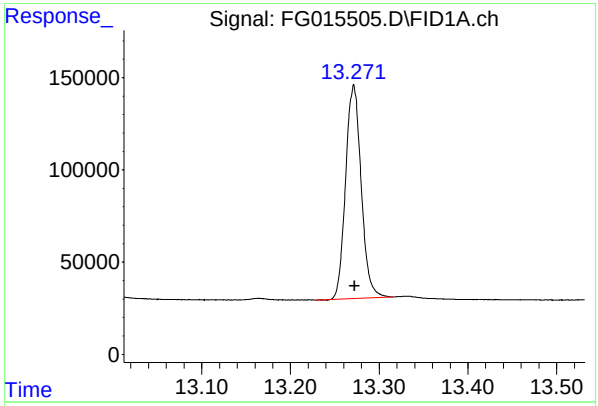
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

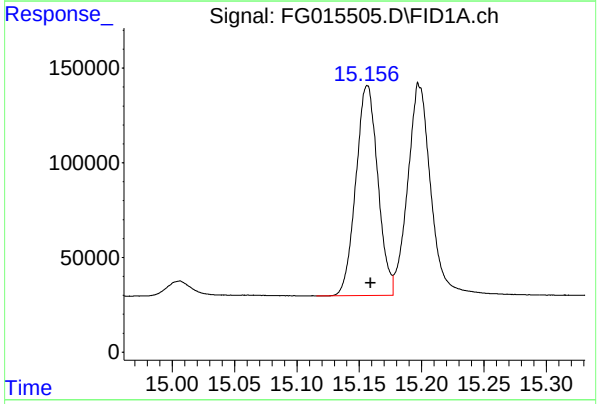
R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 1437068
Conc: 10.07 ug/ml



#13 Pyrene (C20.8)

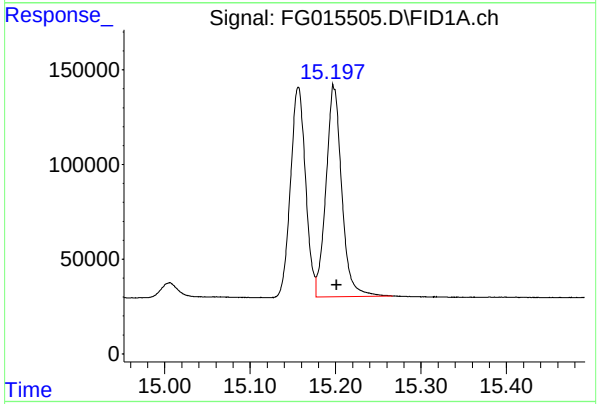
R.T.: 13.271 min
Delta R.T.: -0.002 min
Response: 1409735
Conc: 10.03 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



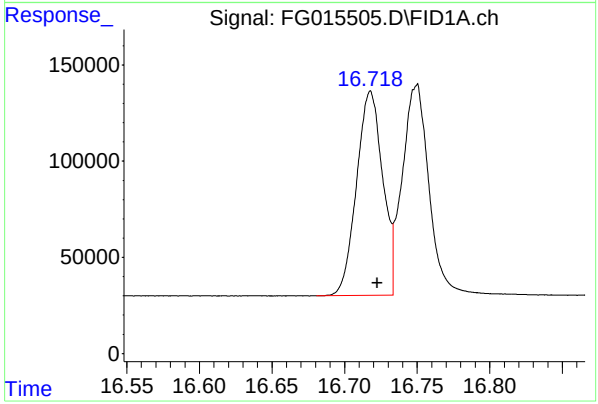
#14 Benzo[a]anthracene (C26.37)

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



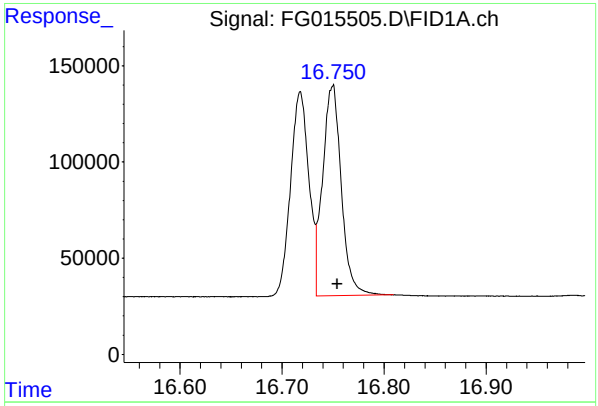
#15 Chrysene (C27.41)

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



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

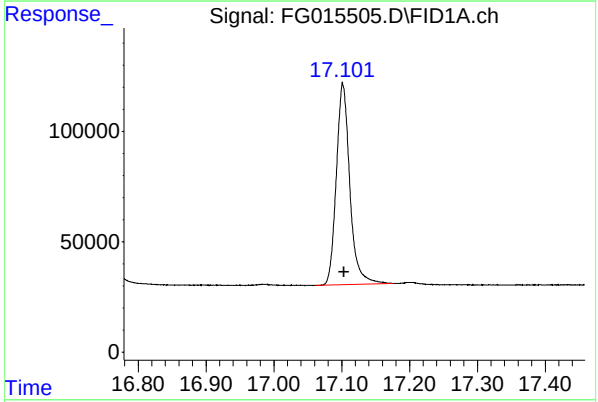
R.T.: 16.718 min
Delta R.T.: -0.005 min
Response: 1325261
Conc: 9.94 ug/ml



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

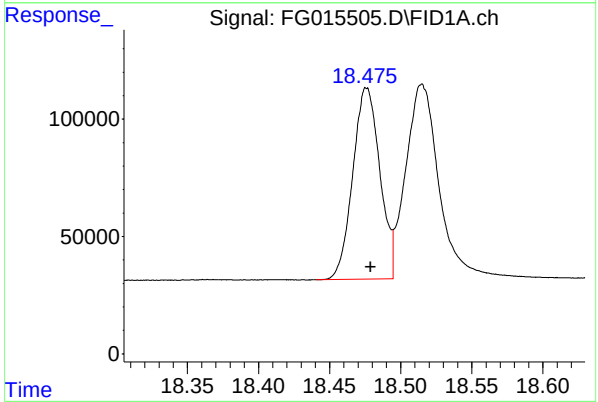
R.T.: 16.749 min
Delta R.T.: -0.005 mi
Response: 1394802
Conc: 10.30 ug/m

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



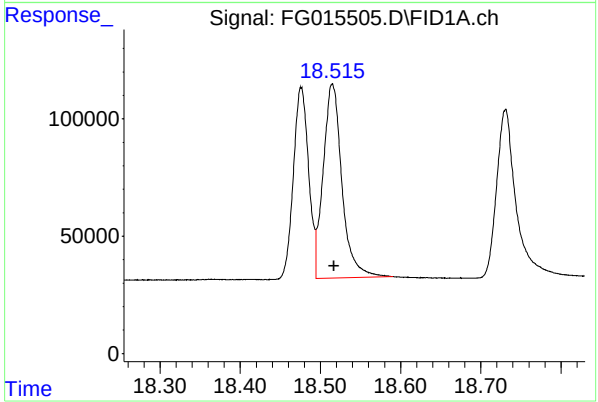
#18 Benzo[a]pyrene (C31.34)

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



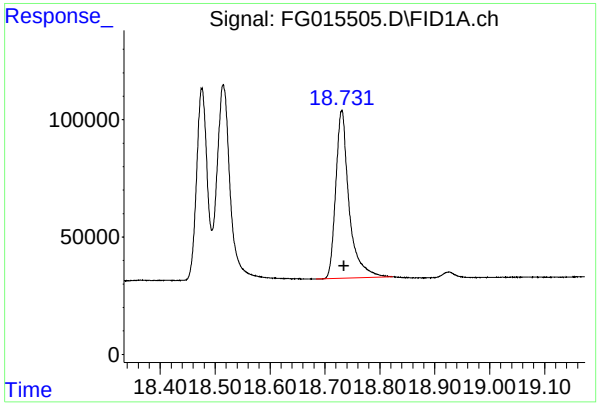
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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 mi
Response: 1202673
Conc: 10.13 ug/m

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

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

Lab Sample ID:	5 PPM AROMATIC HC S	Acq On:	17 Mar 2025 19:29
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015506.D	Misc:	
Instrument:	FID_G	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	1344384.000	10.000	ug/ml
Aromatic C12-C16	6.337	9.044	2047703.000	15.000	ug/ml
Aromatic C16-C21	9.045	13.372	2805377.000	20.000	ug/ml
Aromatic C21-C36	13.373	18.833	6011171.000	45.000	ug/ml
Aromatic EPH	4.457	18.833	12208635.000	90.000	ug/ml

Quantitation Report (QT Reviewed)

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-Flurobiphenyl (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 Flouorene (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

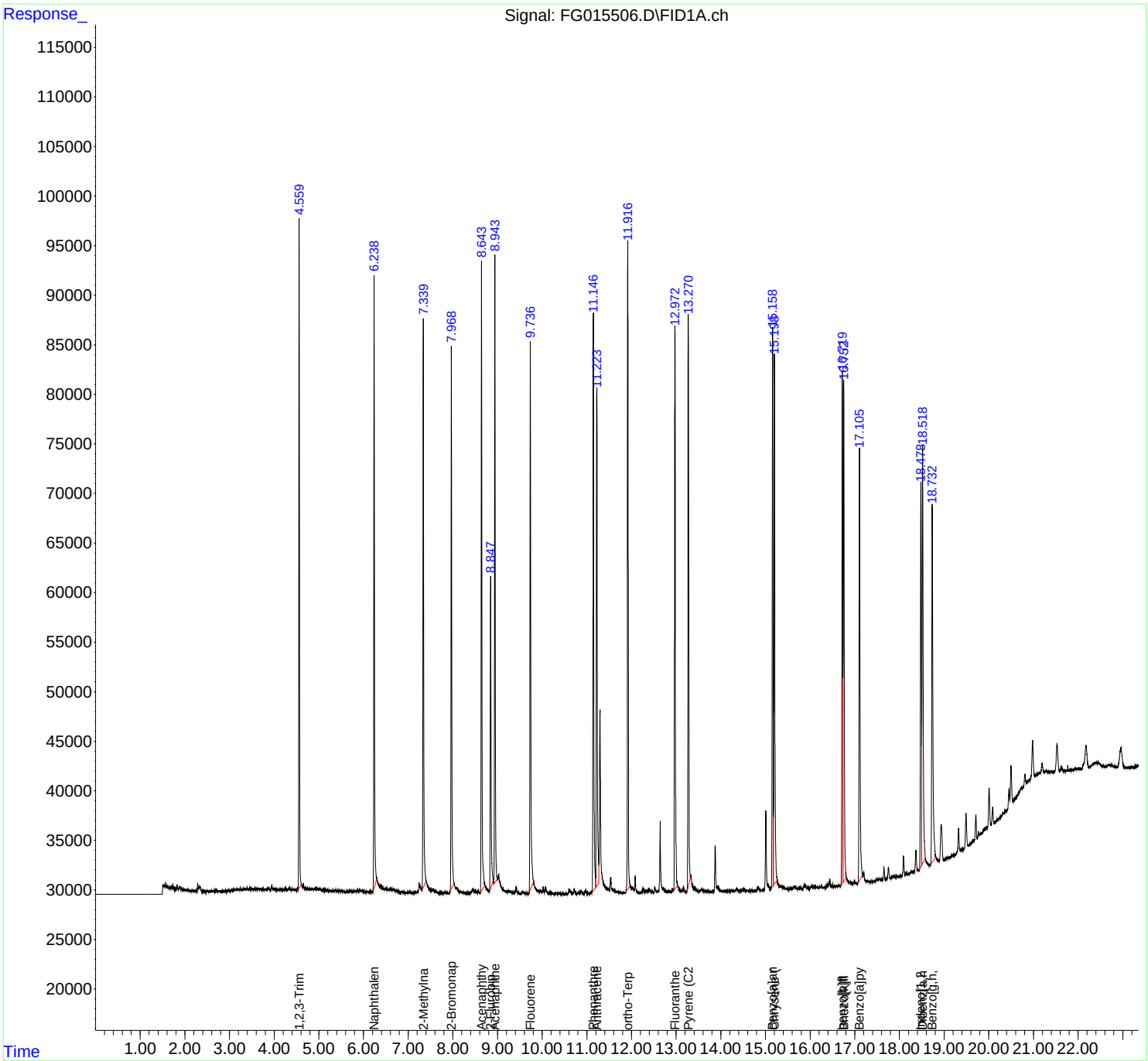
(f)=RT Delta > 1/2 Window (m)=manual int.

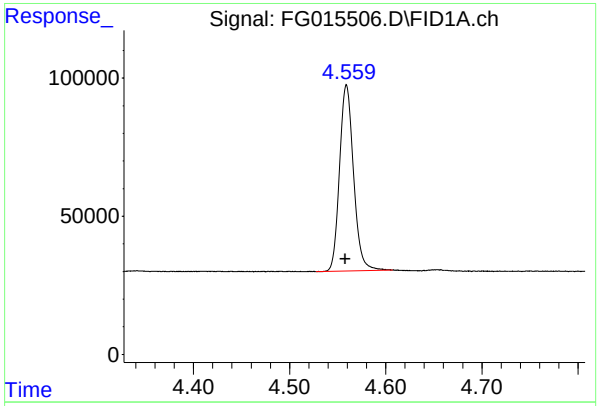
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015506.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:29
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

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

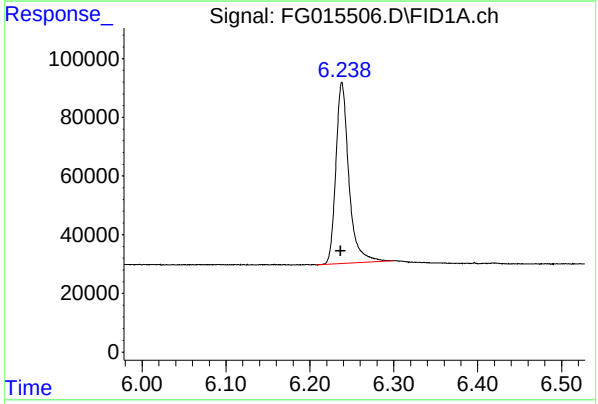




#1 1,2,3-Trimethylbenzene (C10.1)

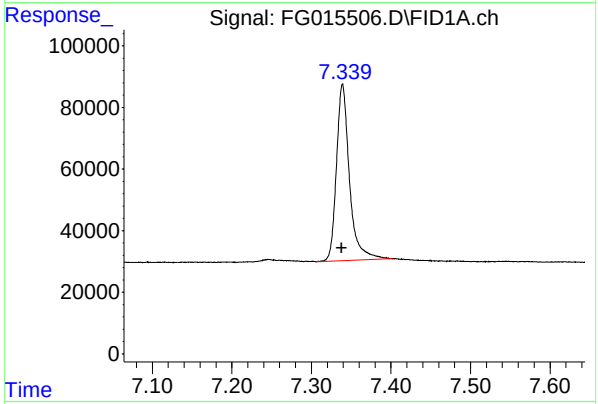
R.T.: 4.559 min
Delta R.T.: 0.001 min
Response: 681641
Conc: 5.15 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



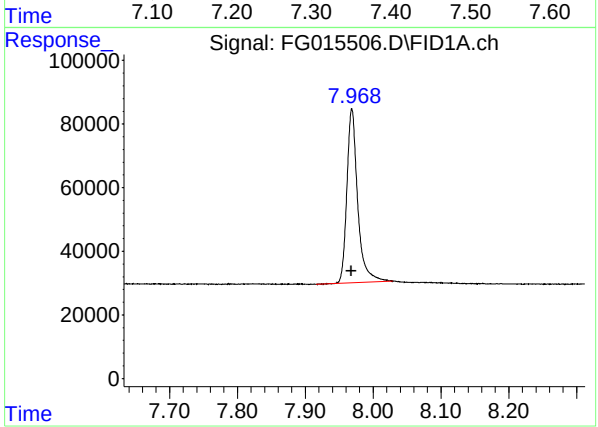
#2 Naphthalene (C11.7)

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



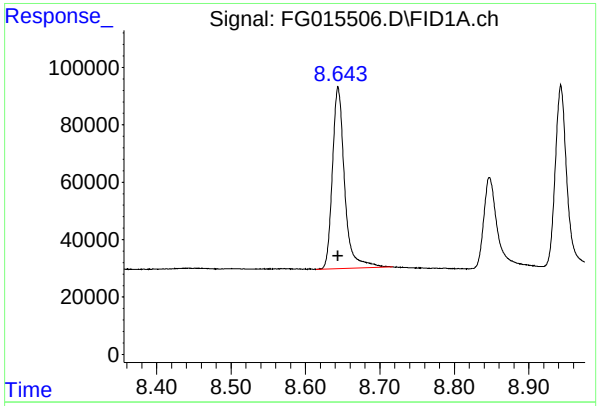
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

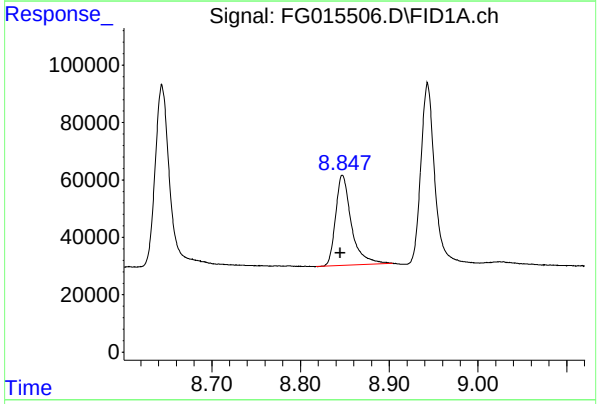
R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 602634
Conc: 4.91 ug/ml



#5 Acenaphthylene (C15.06)

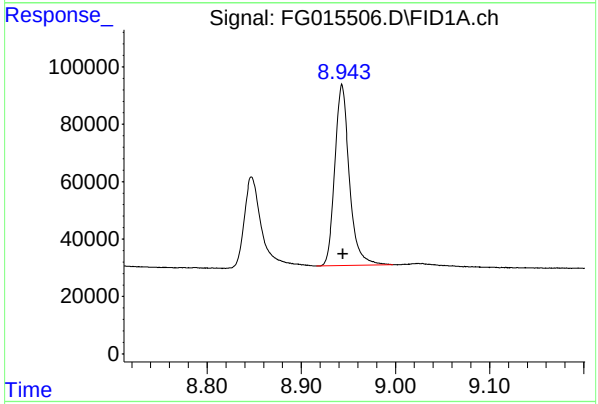
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 719825
Conc: 5.05 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



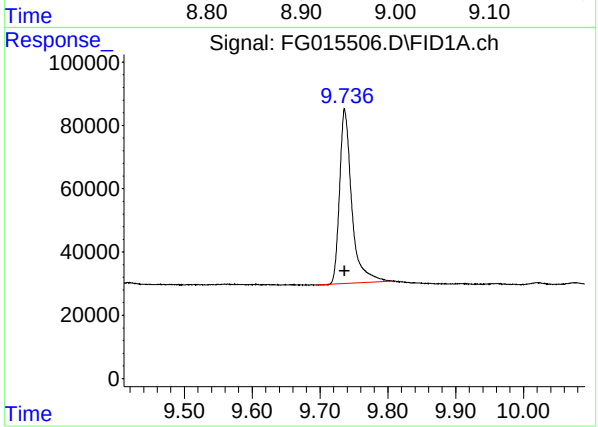
#6 2-Flurobiphenyl (SURR)

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



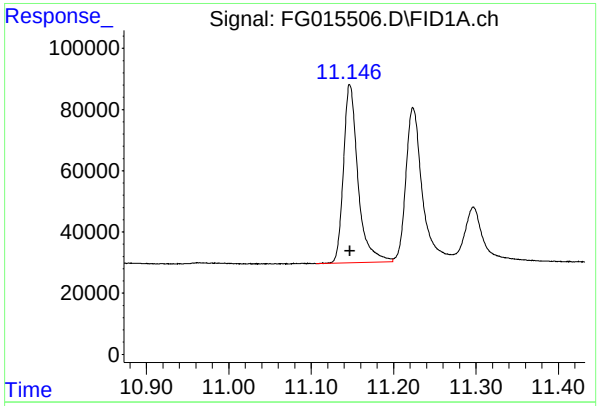
#7 Acenaphthene (C15.5)

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



#8 Flouorene (C16.55)

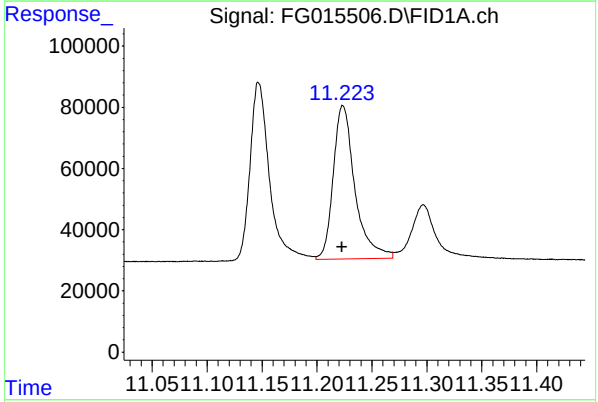
R.T.: 9.737 min
Delta R.T.: 0.000 min
Response: 686185
Conc: 4.88 ug/ml



#9 Phenanthrene (C19.36)

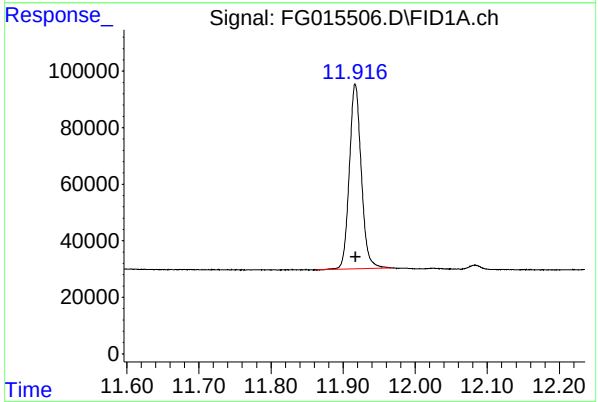
R.T.: 11.147 min
Delta R.T.: 0.000 min
Response: 715636
Conc: 5.07 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



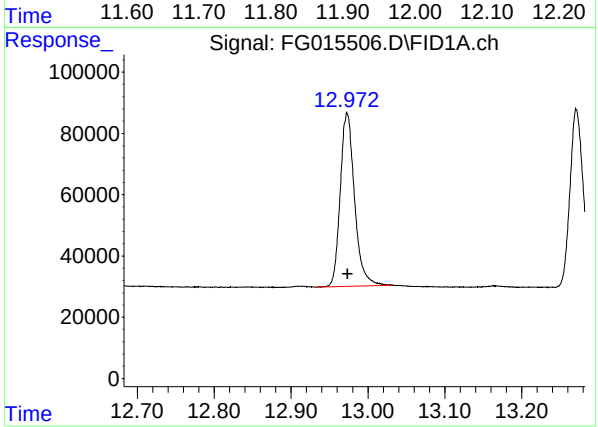
#10 Anthracene (C19.43)

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



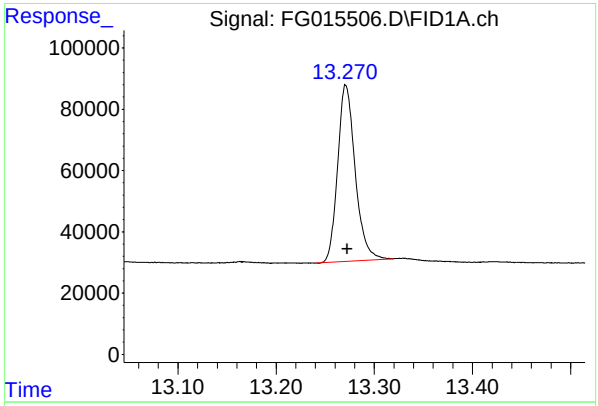
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

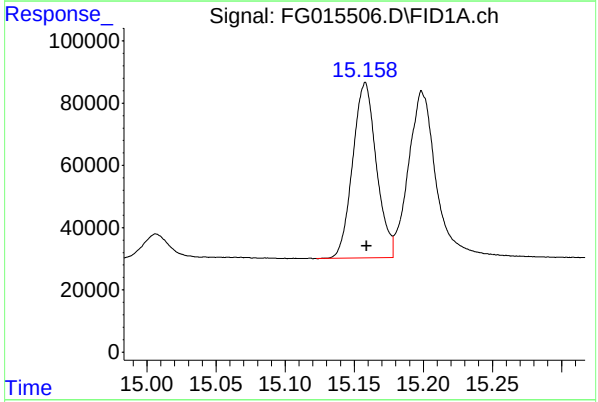
R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 729990
Conc: 5.12 ug/ml



#13 Pyrene (C20.8)

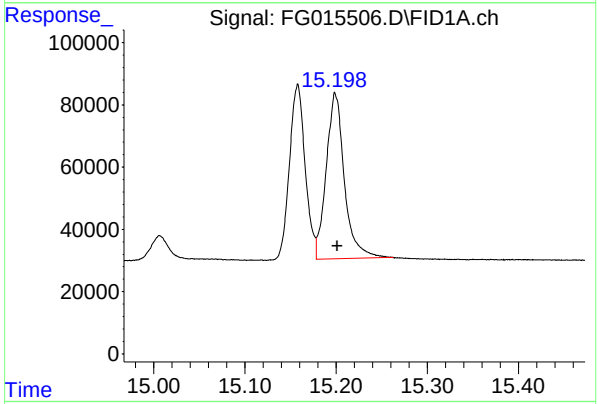
R.T.: 13.271 min
Delta R.T.: -0.001 min
Response: 714259
Conc: 5.08 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



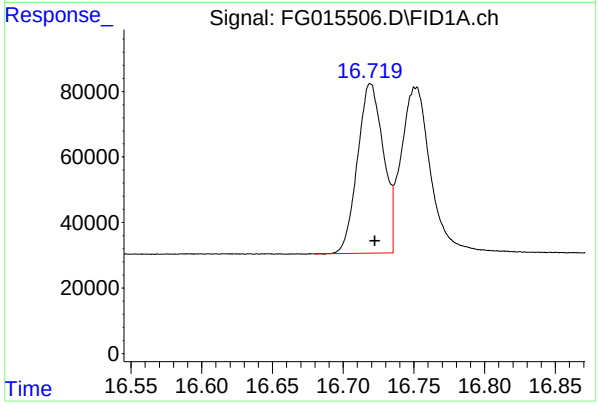
#14 Benzo[a]anthracene (C26.37)

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



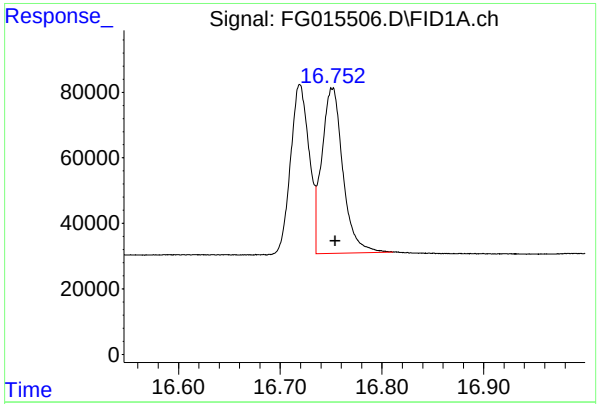
#15 Chrysene (C27.41)

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



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

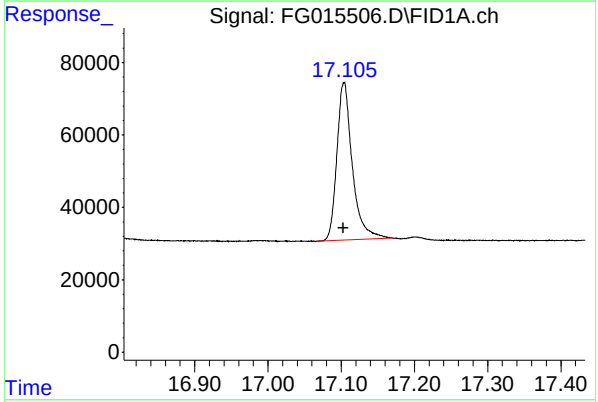
R.T.: 16.720 min
Delta R.T.: -0.003 min
Response: 656395
Conc: 4.92 ug/ml



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

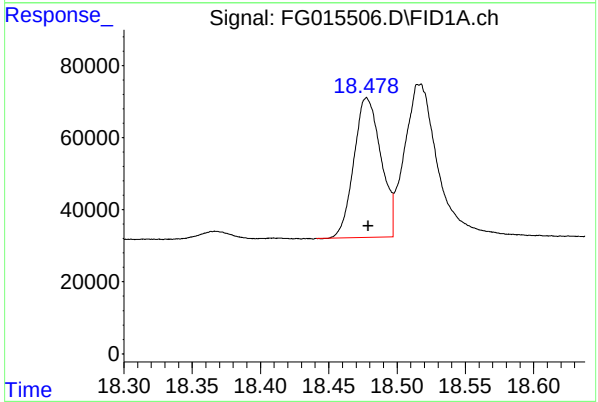
R.T.: 16.751 min
Delta R.T.: -0.003 min
Response: 726748
Conc: 5.37 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



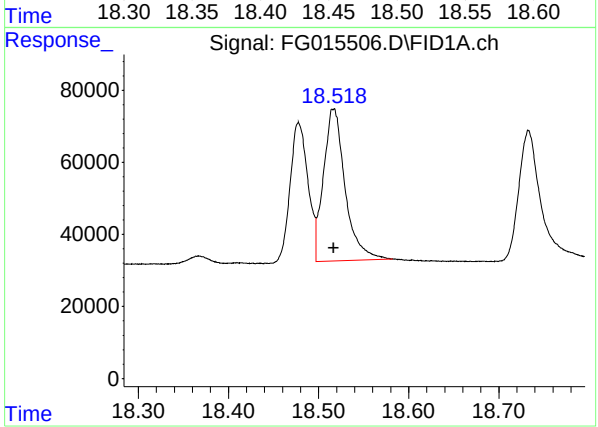
#18 Benzo[a]pyrene (C31.34)

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



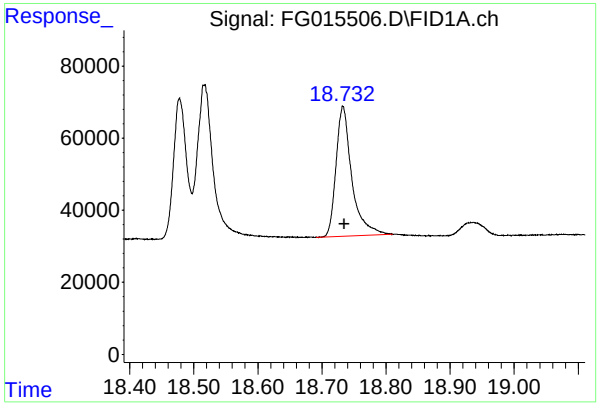
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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 mi
Response: 614526
Conc: 5.17 ug/m

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

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	17 Mar 2025 19:59
Client Sample ID:	20 PPM AROMATIC HC S	Operator:	YP\AJ
Data file:	FG015507.D	Misc:	
Instrument:	FID_G	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	5343719	39.88	200	ug/ml
Aromatic C12-C16	6.337	9.044	8274917	60.334	300	ug/ml
Aromatic C16-C21	9.045	13.372	14028613	100.628	500	ug/ml
Aromatic C21-C36	13.373	18.833	20551844	157.856	800	ug/ml
Aromatic EPH	4.457	18.833	48199093	358.698		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	2915333	19.99		ug/ml
2-Bromonaphthalene (SURR)	7.968	7.968	2456519	20.11		ug/ml
2-Flurobiphenyl (SURR)	8.845	8.845	1686476	20.4		ug/ml

Quantitation Report (QT Reviewed)

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-Flurobiphenyl (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	Flouorene (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

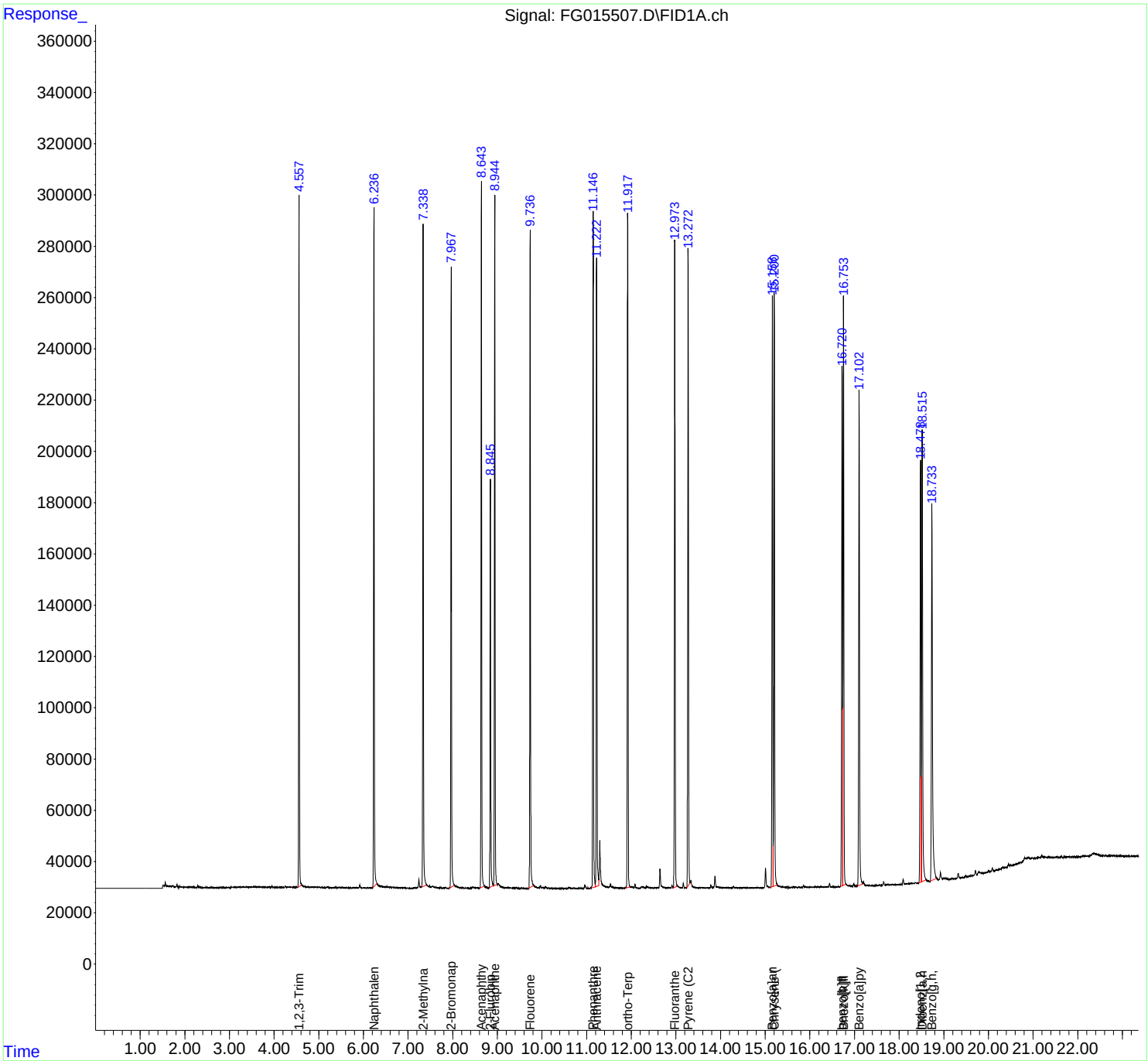
(f)=RT Delta > 1/2 Window (m)=manual int.

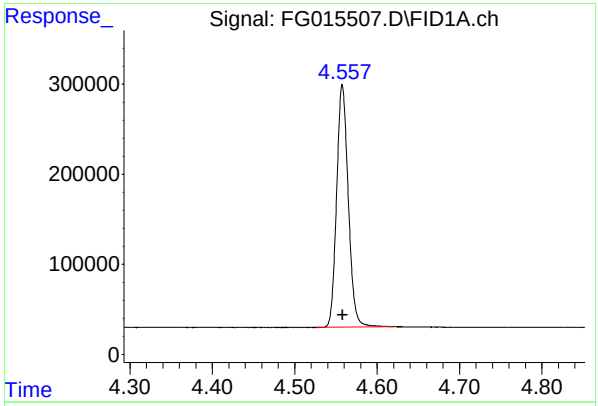
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015507.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:59
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

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

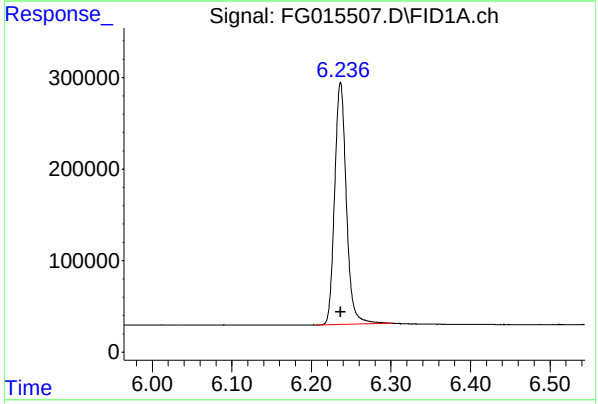




#1 1,2,3-Trimethylbenzene (C10.1)

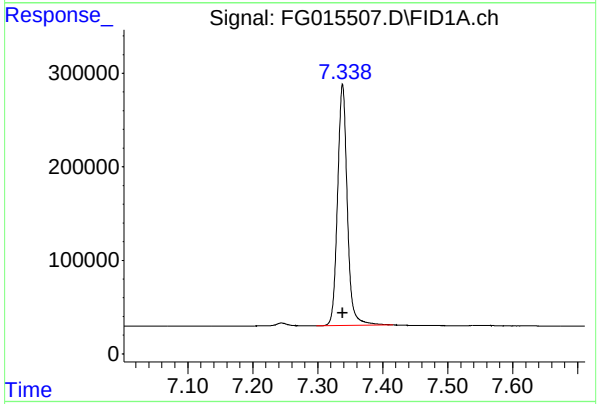
R.T.: 4.558 min
Delta R.T.: 0.000 min
Response: 2641903
Conc: 19.88 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



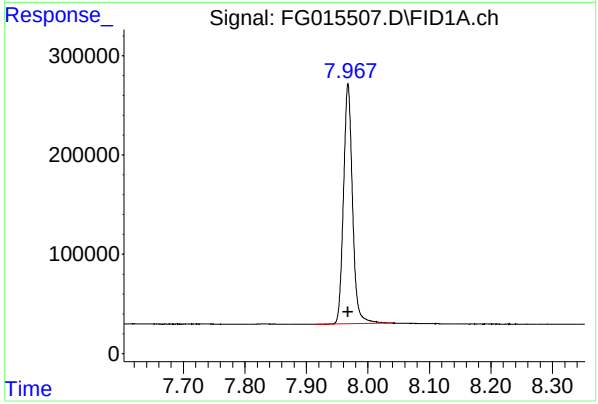
#2 Naphthalene (C11.7)

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



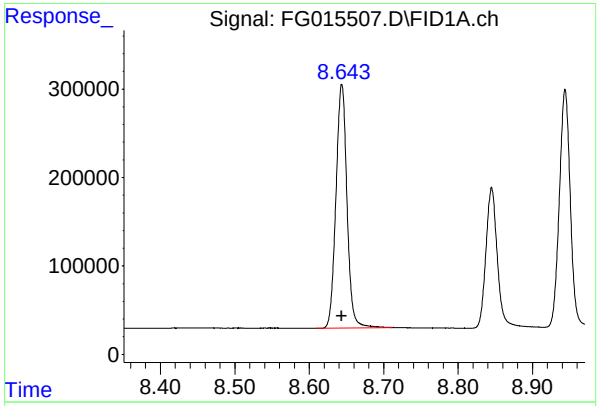
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

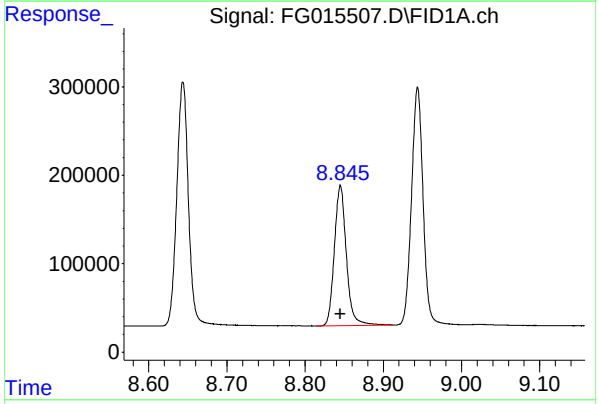
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 2456519
Conc: 20.11 ug/ml



#5 Acenaphthylene (C15.06)

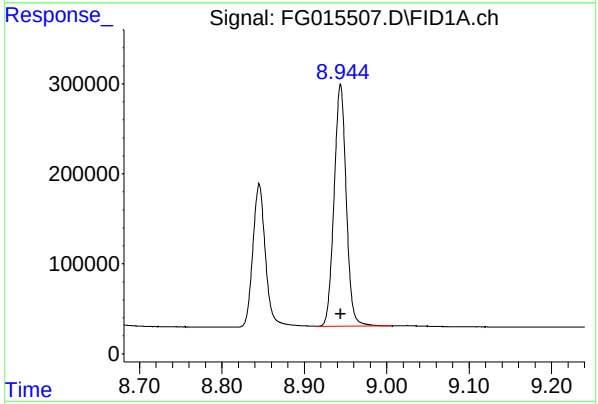
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 2840710
Conc: 20.06 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



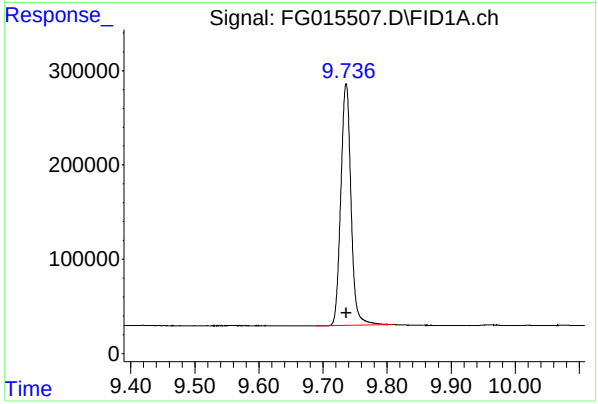
#6 2-Flurobiphenyl (SURR)

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



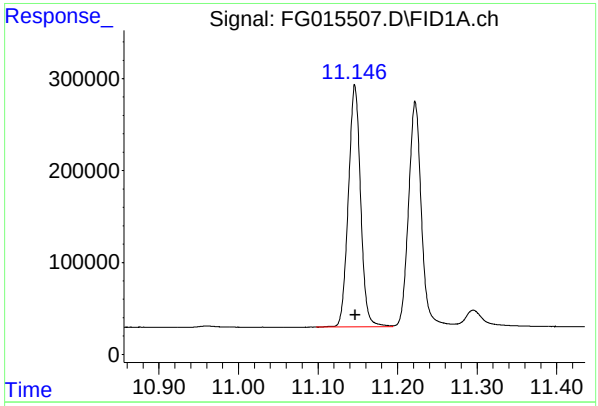
#7 Acenaphthene (C15.5)

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



#8 Flouorene (C16.55)

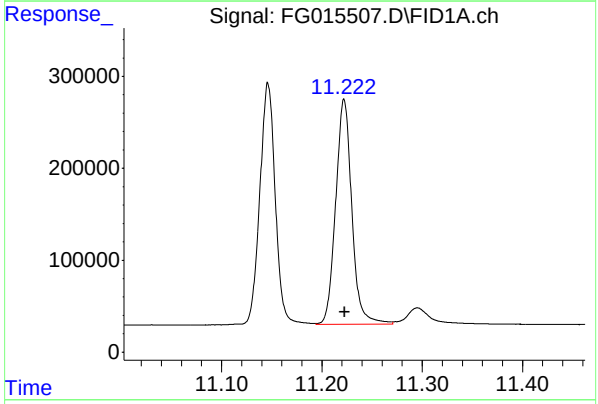
R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 2813686
Conc: 20.15 ug/ml



#9 Phenanthrene (C19.36)

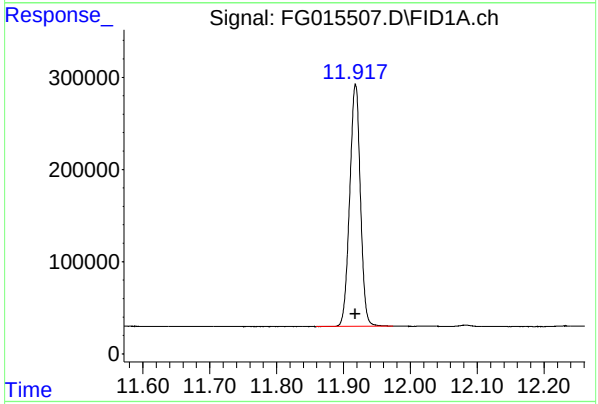
R.T.: 11.146 min
Delta R.T.: 0.000 min
Response: 2817182
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



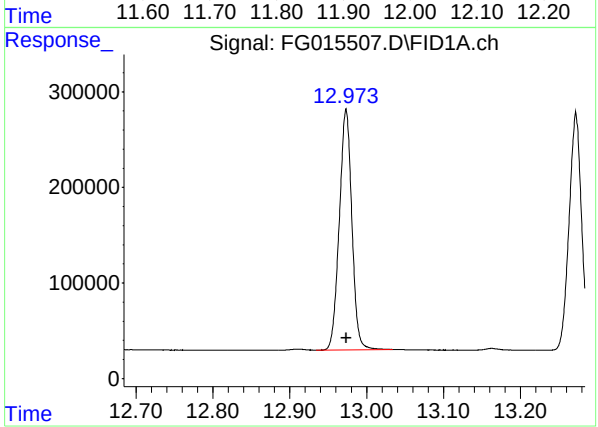
#10 Anthracene (C19.43)

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



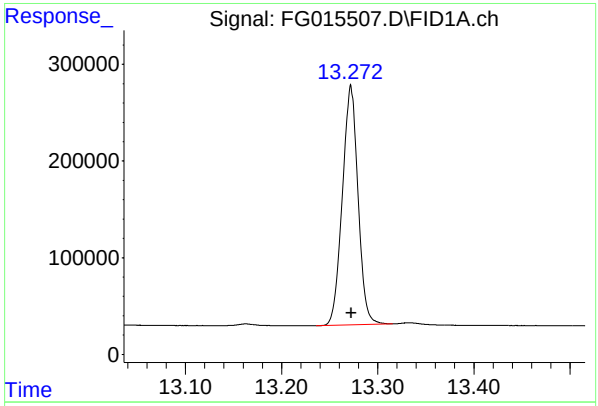
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

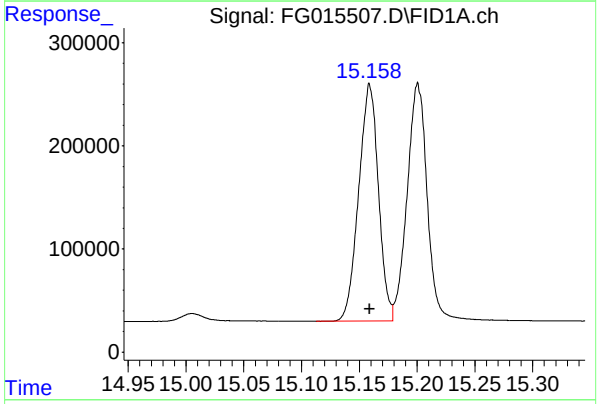
R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 2847782
Conc: 19.97 ug/ml



#13 Pyrene (C20.8)

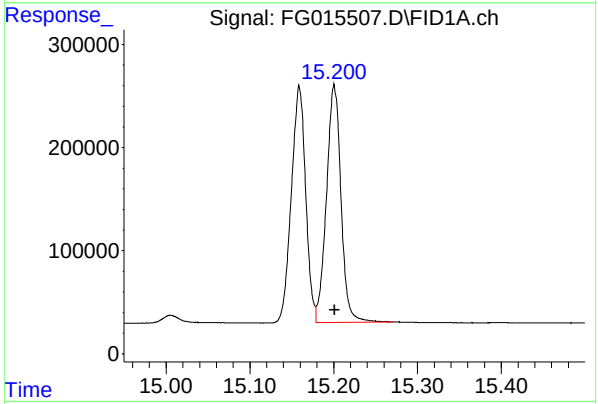
R.T.: 13.272 min
Delta R.T.: 0.000 min
Response: 2808608
Conc: 20.02 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



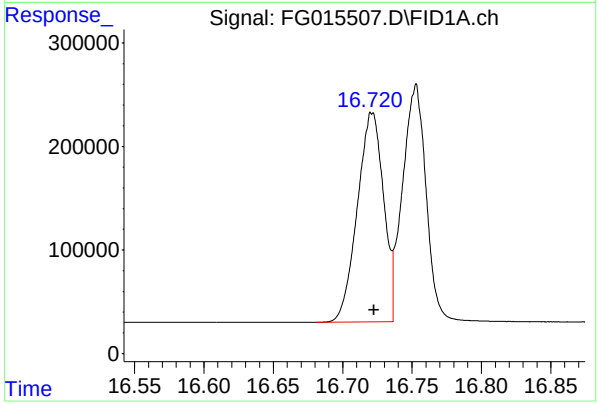
#14 Benzo[a]anthracene (C26.37)

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



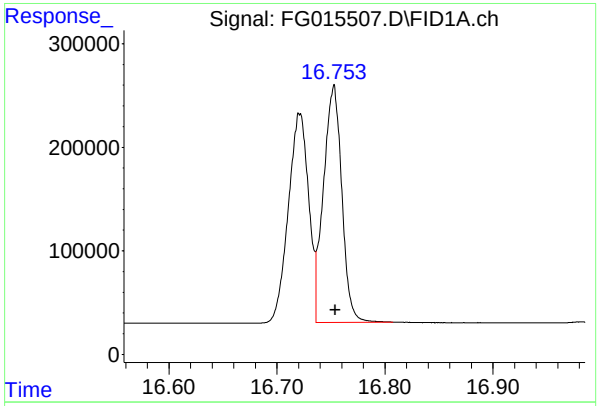
#15 Chrysene (C27.41)

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



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

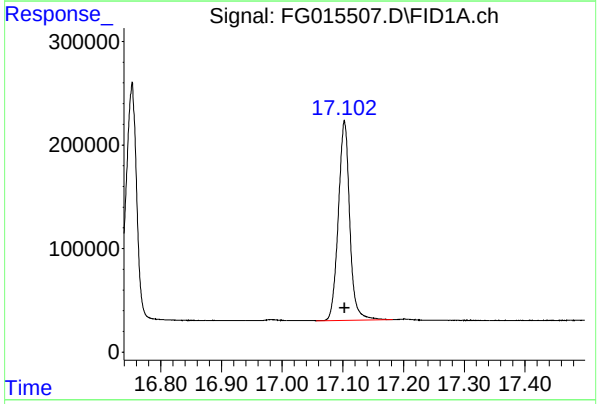
R.T.: 16.721 min
Delta R.T.: -0.001 min
Response: 2650809
Conc: 20.06 ug/ml



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

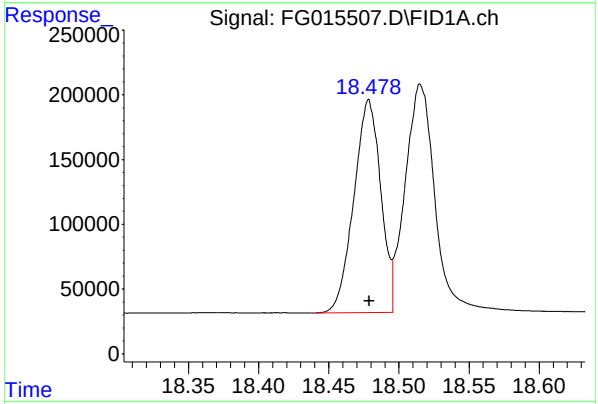
R.T.: 16.752 min
Delta R.T.: -0.002 min
Response: 2709173
Conc: 19.84 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



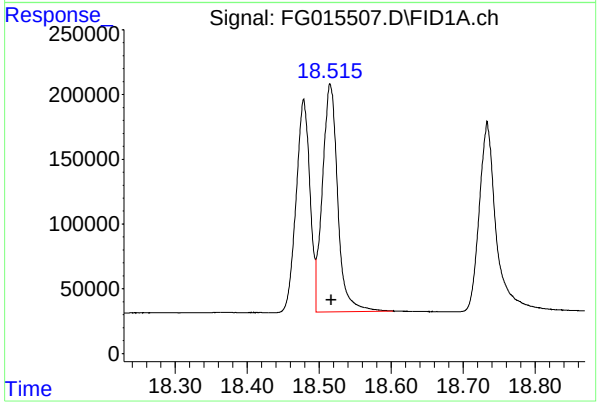
#18 Benzo[a]pyrene (C31.34)

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



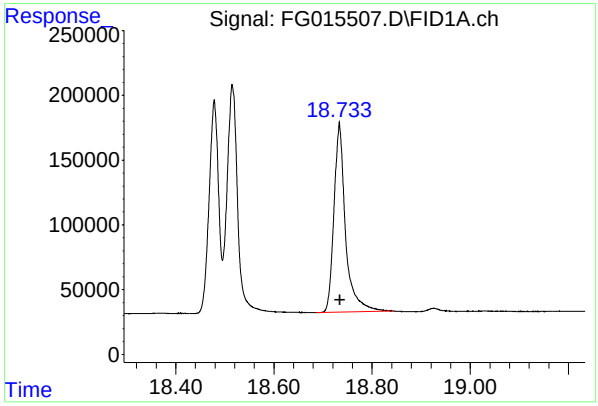
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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 mi
Response: 2381770
Conc: 19.93 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

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

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

Continuing Calibration Report for SequenceID : FC032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068432.D**						
Aliphatic C9-C12	9984223.000	60.000	3.100	6.360	166403.717	162319.116	-2.516
Aliphatic C12-C16	6826421.000	40.000	6.361	9.742	170660.525	168194.168	-1.466
Aliphatic C16-C21	10083173.000	60.000	9.743	13.094	168052.883	171510.591	2.016
Aliphatic C21-C28	12341117.000	80.000	13.095	16.746	154263.963	168869.942	8.649
Aliphatic C28-C40	14271477.000	120.000	16.747	21.538	118928.975	136171.748	12.663
Aliphatic EPH	53506411.000	360.000	3.100	21.538	148628.919	157243.762	5.479

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Mar 2025 11:40
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068432.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.100	6.360	9984223.000	60.000	ug/ml
Aliphatic C12-C16	6.361	9.742	6826421.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.094	10083173.000	60.000	ug/ml
Aliphatic C21-C28	13.095	16.746	12341117.000	80.000	ug/ml
Aliphatic C28-C40	16.747	21.538	14271477.000	120.000	ug/ml
Aliphatic EPH	3.100	21.538	53506411.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068432.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 11:40
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 02:29:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.383	3853520	19.401 ug/ml
Spiked Amount	50.000		Recovery =	38.80%
12) S	1-chlorooctadecane (S...	12.824	2879776	19.318 ug/ml
Spiked Amount	50.000		Recovery =	38.64%
	Target Compounds			
1) T	n-Nonane (C9)	3.200	3267010	20.426 ug/ml
2) T	n-Decane (C10)	4.254	3338660	20.595 ug/ml
3) T	A~Naphthalene (C11.7)	5.818	3635878	20.579 ug/ml
4) T	n-Dodecane (C12)	6.260	3378553	20.488 ug/ml
5) T	A~2-methylnaphthalene...	6.869	3514215	20.660 ug/ml
6) T	n-Tetradecane (C14)	8.047	3350745	20.365 ug/ml
7) T	n-Hexadecane (C16)	9.642	3475676	20.225 ug/ml
8) T	n-Octadecane (C18)	11.079	3483315	19.845 ug/ml
10) T	n-Eicosane (C20)	12.385	3338893	19.495 ug/ml
11) T	n-Heneicosane (C21)	12.994	3260965	19.441 ug/ml
13) T	n-Docosane (C22)	13.579	3218571	19.079 ug/ml
14) T	n-Tetracosane (C24)	14.679	3143794	18.357 ug/ml
15) T	n-Hexacosane (C26)	15.699	3037112	18.045 ug/ml
16) T	n-Octacosane (C28)	16.646	2941640	17.592 ug/ml
17) T	n-Tricontane (C30)	17.532	3006474	17.243 ug/ml
18) T	n-Dotriacontane (C32)	18.363	2869186	17.139 ug/ml
19) T	n-Tetratriacontane (C34)	19.145	2481191	16.822 ug/ml
20) T	n-Hexatriacontane (C36)	19.882	2108064	17.226 ug/ml
21) T	n-Octatriacontane (C38)	20.591	1951975	18.177 ug/ml
22) T	n-Tetracontane (C40)	21.438	1854587	18.923 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

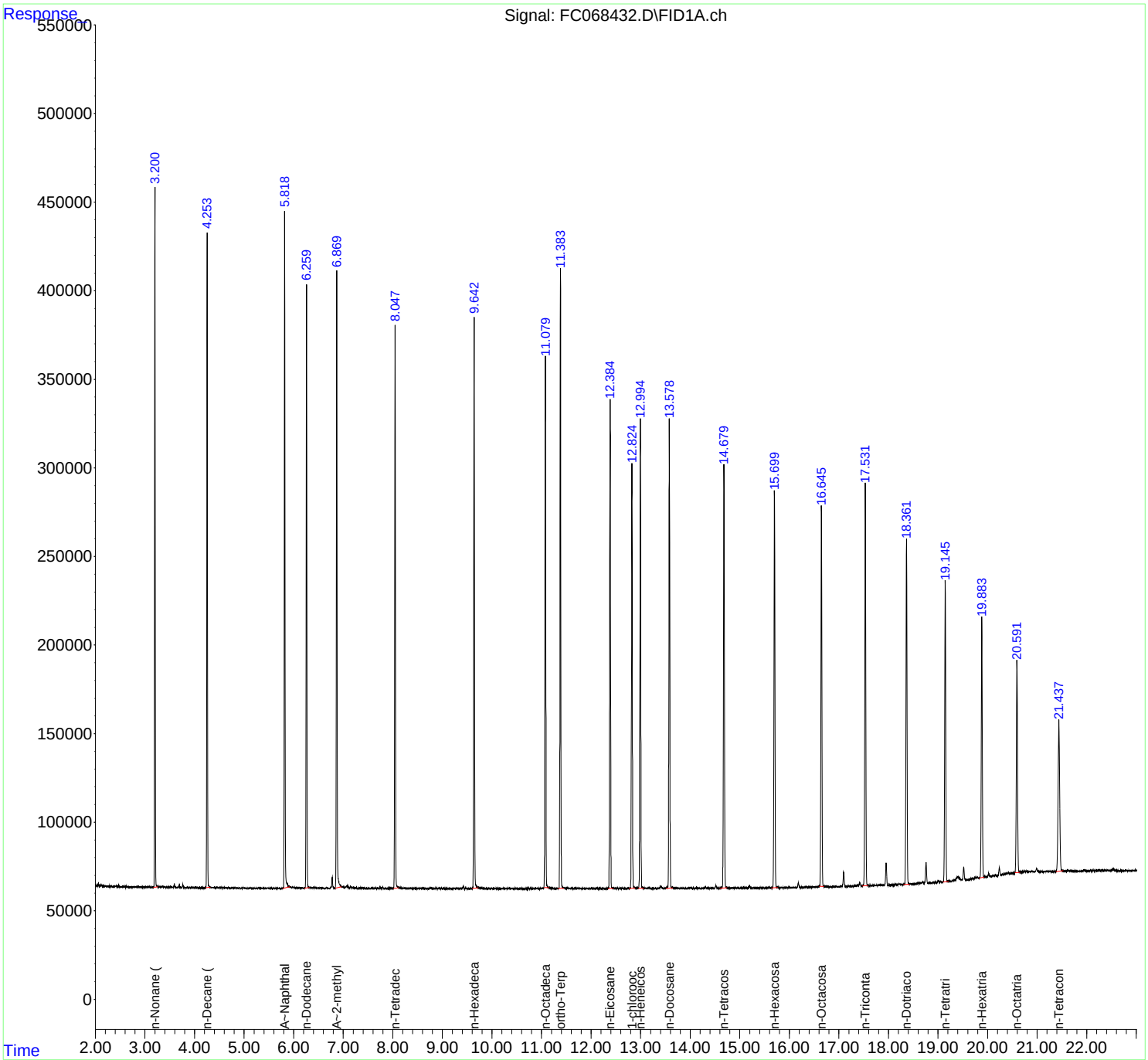
Quantitation Report (QT Reviewed)

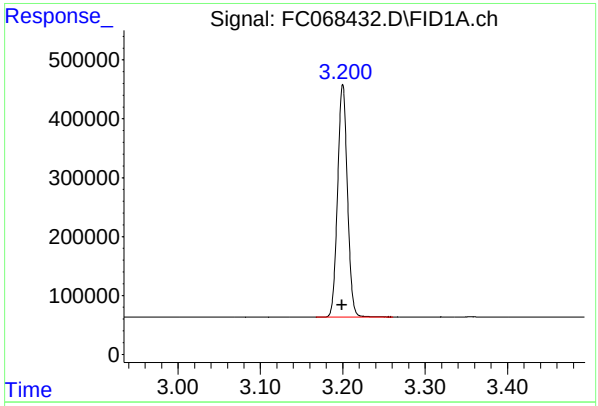
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068432.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 11:40
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 02:29:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

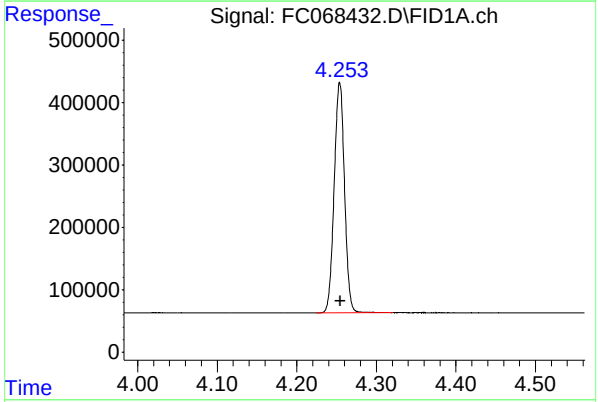




#1 n-Nonane (C9)

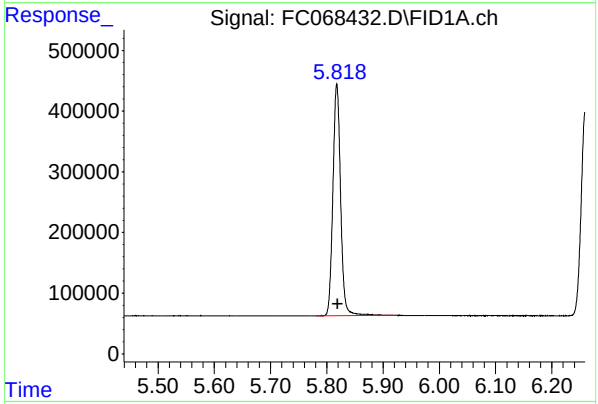
R.T.: 3.200 min
Delta R.T.: 0.001 min
Response: 3267010
Conc: 20.43 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



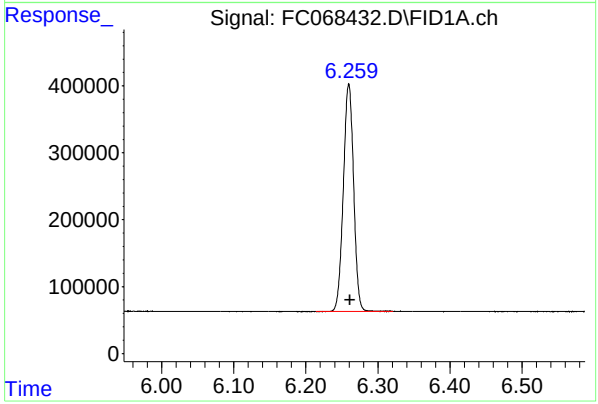
#2 n-Decane (C10)

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 3338660
Conc: 20.60 ug/ml



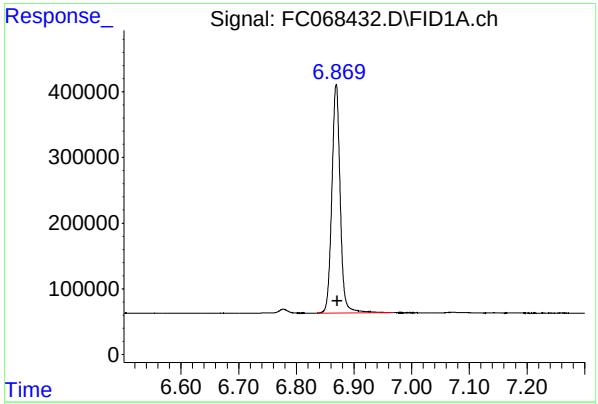
#3 A~Naphthalene (C11.7)

R.T.: 5.818 min
Delta R.T.: -0.001 min
Response: 3635878
Conc: 20.58 ug/ml



#4 n-Dodecane (C12)

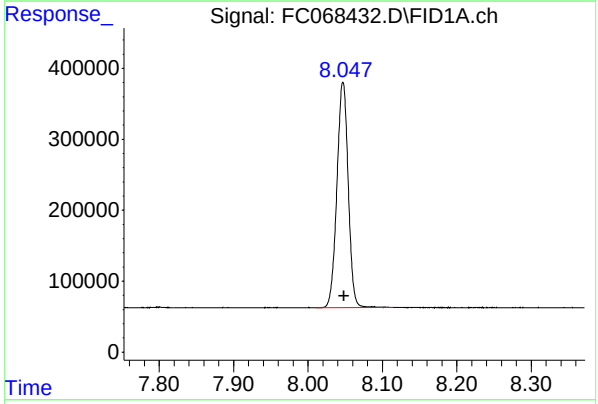
R.T.: 6.260 min
Delta R.T.: -0.001 min
Response: 3378553
Conc: 20.49 ug/ml



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

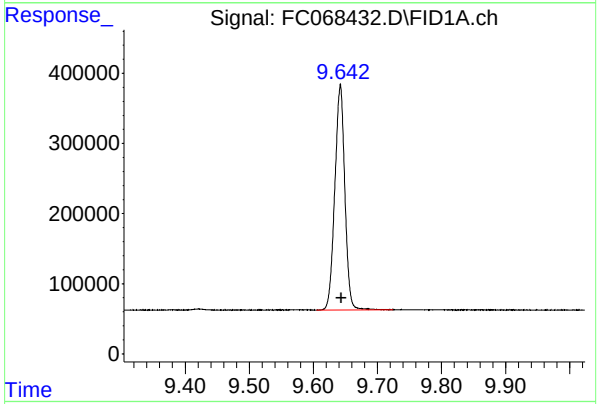
R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 3514215
Conc: 20.66 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



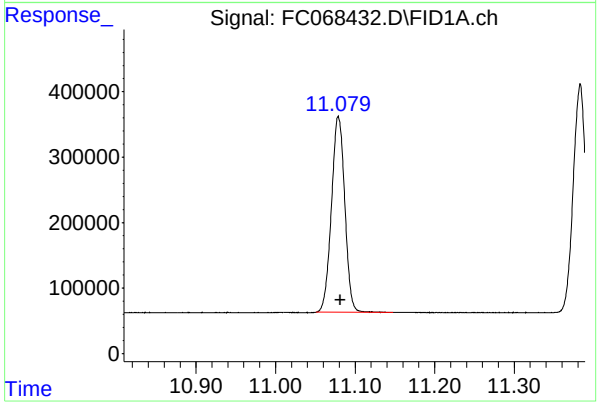
#6 n-Tetradecane (C14)

R.T.: 8.047 min
Delta R.T.: -0.001 min
Response: 3350745
Conc: 20.36 ug/ml



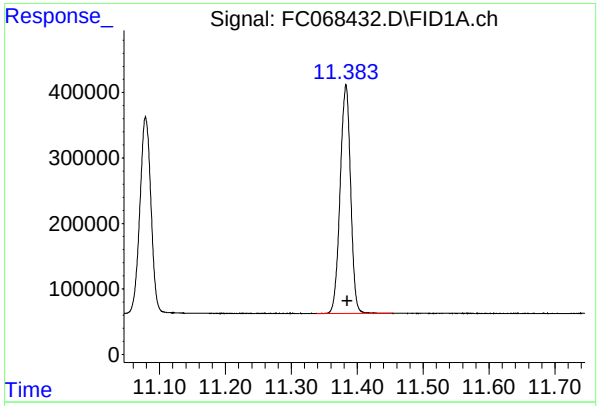
#7 n-Hexadecane (C16)

R.T.: 9.642 min
Delta R.T.: -0.002 min
Response: 3475676
Conc: 20.22 ug/ml



#8 n-Octadecane (C18)

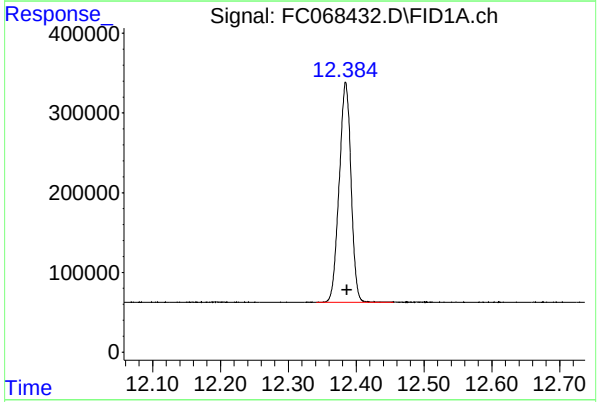
R.T.: 11.079 min
Delta R.T.: -0.002 min
Response: 3483315
Conc: 19.84 ug/ml



#9 ortho-Terphenyl (SURR)

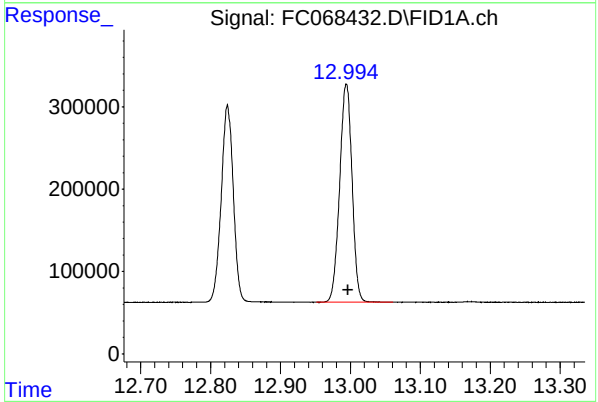
R.T.: 11.383 min
Delta R.T.: -0.002 min
Response: 3853520
Conc: 19.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



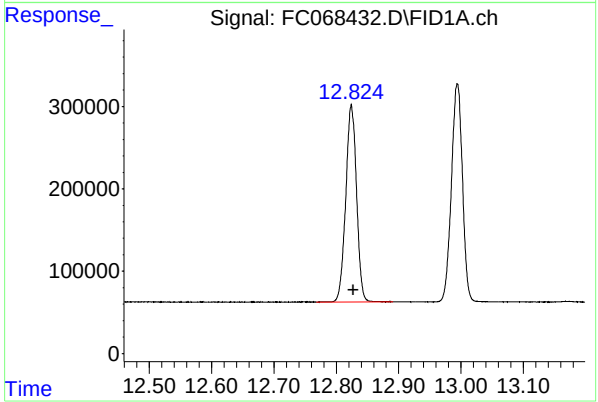
#10 n-Eicosane (C20)

R.T.: 12.385 min
Delta R.T.: -0.002 min
Response: 3338893
Conc: 19.50 ug/ml



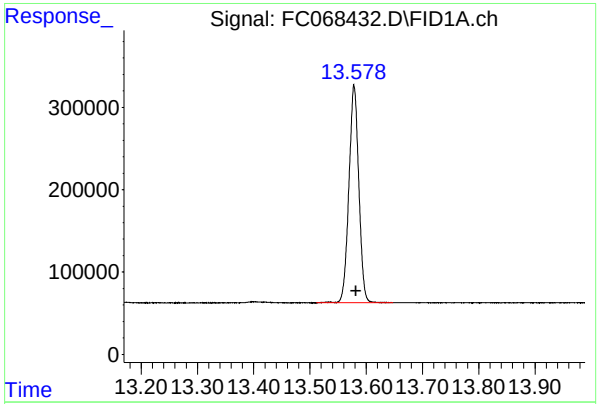
#11 n-Heneicosane (C21)

R.T.: 12.994 min
Delta R.T.: -0.003 min
Response: 3260965
Conc: 19.44 ug/ml



#12 1-chlorooctadecane (SURR)

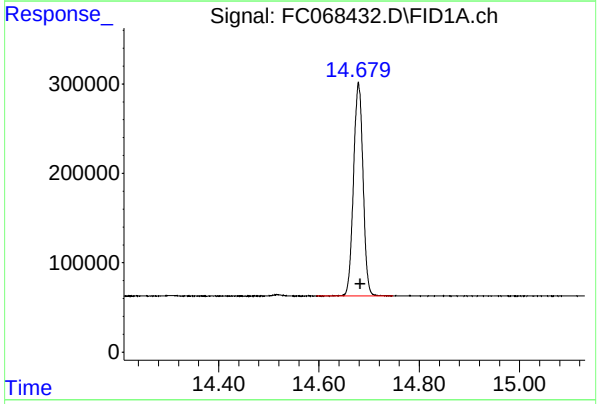
R.T.: 12.824 min
Delta R.T.: -0.003 min
Response: 2879776
Conc: 19.32 ug/ml



#13 n-Docosane (C22)

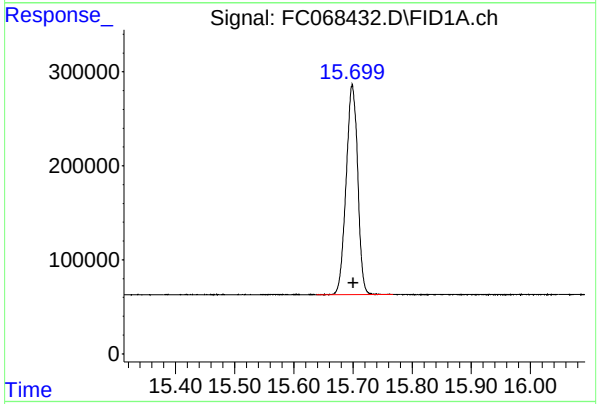
R.T.: 13.579 min
Delta R.T.: -0.003 min
Response: 3218571
Conc: 19.08 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



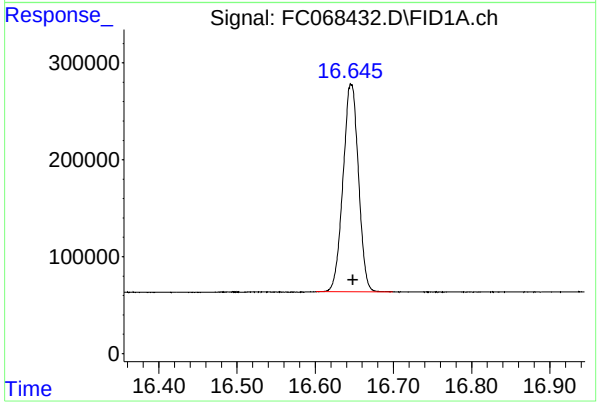
#14 n-Tetracosane (C24)

R.T.: 14.679 min
Delta R.T.: -0.004 min
Response: 3143794
Conc: 18.36 ug/ml



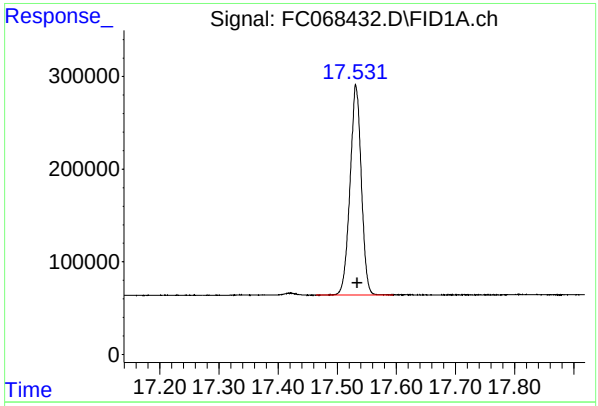
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 3037112
Conc: 18.05 ug/ml



#16 n-Octacosane (C28)

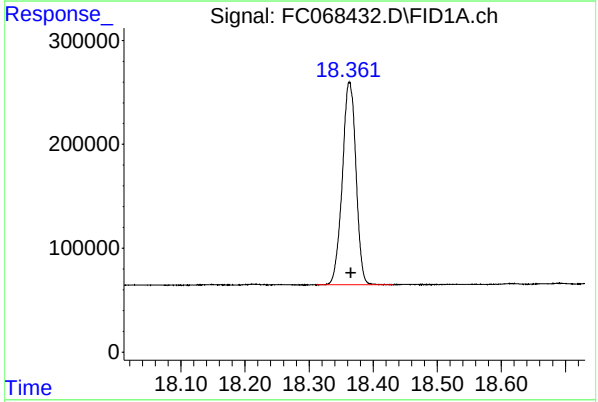
R.T.: 16.646 min
Delta R.T.: -0.002 min
Response: 2941640
Conc: 17.59 ug/ml



#17 n-Tricontane (C30)

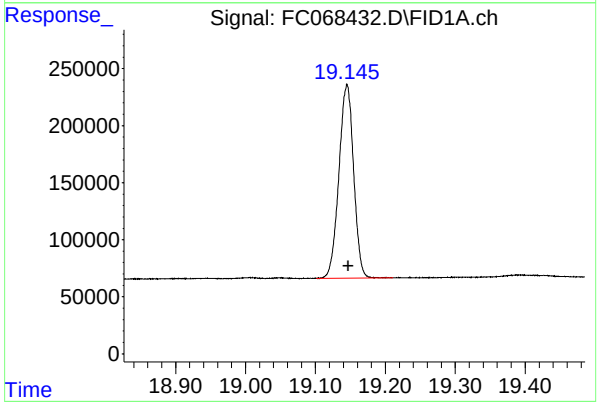
R.T.: 17.532 min
Delta R.T.: -0.002 min
Response: 3006474
Conc: 17.24 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



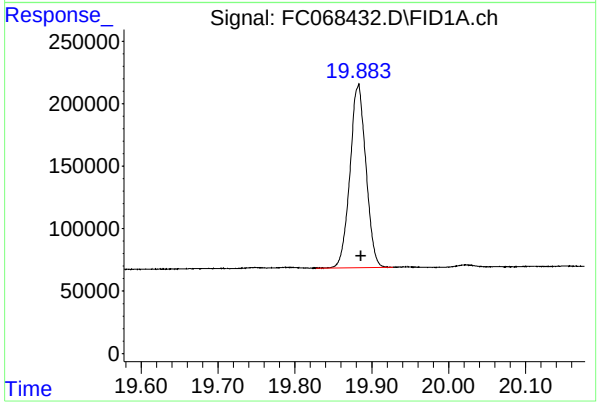
#18 n-Dotriacontane (C32)

R.T.: 18.363 min
Delta R.T.: -0.002 min
Response: 2869186
Conc: 17.14 ug/ml



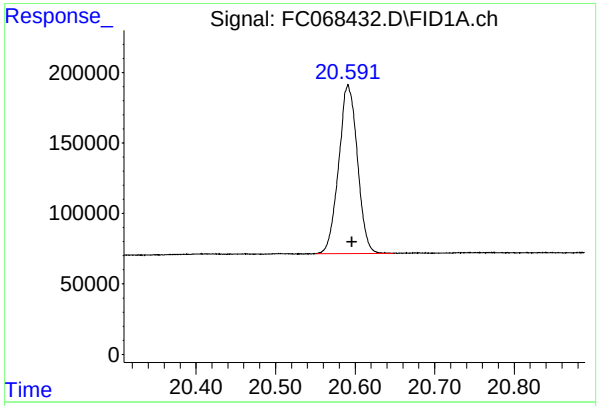
#19 n-Tetratriacontane (C34)

R.T.: 19.145 min
Delta R.T.: -0.002 min
Response: 2481191
Conc: 16.82 ug/ml



#20 n-Hexatriacontane (C36)

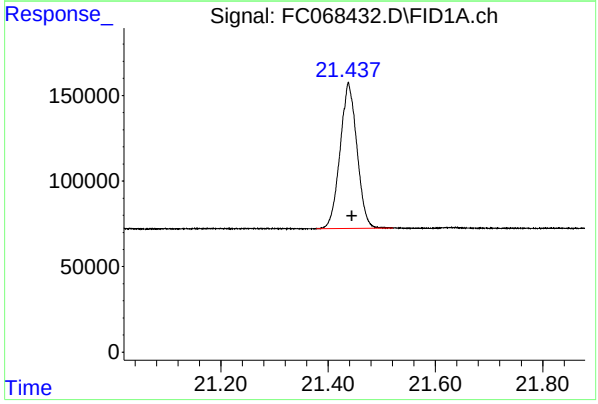
R.T.: 19.882 min
Delta R.T.: -0.004 min
Response: 2108064
Conc: 17.23 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.591 min
Delta R.T.: -0.004 min
Response: 1951975
Conc: 18.18 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.438 min
Delta R.T.: -0.006 min
Response: 1854587
Conc: 18.92 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068432.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 11:40
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.200	3.168	3.261	BB	395354	3267010	84.78%	4.848%
2	4.254	4.224	4.321	BB	369925	3338660	86.64%	4.954%
3	5.818	5.781	5.918	BB	381507	3635878	94.35%	5.395%
4	6.260	6.214	6.321	BB	339477	3378553	87.67%	5.013%
5	6.869	6.834	6.968	BB	346657	3514215	91.19%	5.215%
6	8.047	8.011	8.114	BB	318959	3350745	86.95%	4.972%
7	9.642	9.604	9.724	BB	317122	3475676	90.19%	5.158%
8	11.079	11.051	11.148	BB	299694	3483315	90.39%	5.169%
9	11.383	11.338	11.454	BB	350778	3853520	100.00%	5.718%
10	12.385	12.341	12.454	BB	275442	3338893	86.65%	4.955%
11	12.824	12.768	12.891	BB	238073	2879776	74.73%	4.273%
12	12.994	12.951	13.061	BB	265244	3260965	84.62%	4.839%
13	13.579	13.511	13.648	BB	263909	3218571	83.52%	4.776%
14	14.679	14.594	14.748	BB	237452	3143794	81.58%	4.665%
15	15.699	15.638	15.768	BB	222833	3037112	78.81%	4.507%
16	16.646	16.601	16.699	BBA	215464	2941640	76.34%	4.365%
17	17.532	17.464	17.594	BB	226812	3006474	78.02%	4.461%
18	18.363	18.311	18.431	BB	193874	2869186	74.46%	4.258%
19	19.145	19.101	19.211	BB	168633	2481191	64.39%	3.682%
20	19.882	19.828	19.928	BB	144991	2108064	54.70%	3.128%
21	20.591	20.551	20.648	BB	118846	1951975	50.65%	2.897%
22	21.438	21.378	21.521	BB	84959	1854587	48.13%	2.752%
			Sum of corrected areas:			67389800		

Aliphatic EPH 032625.M Sat Mar 29 02:50:31 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068432.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 11:40
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 02:29:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	T	n-Nonane (C9)	159.943	163.350 E3	-2.1	99	0.00
2	T	n-Decane (C10)	162.107	166.933 E3	-3.0	99	0.00
3	T	A~Naphthalene (C11.7)	176.677	181.794 E3	-2.9	98	0.00
4	T	n-Dodecane (C12)	164.908	168.928 E3	-2.4	99	0.00
5	T	A~2-methylnaphthalene (C12.	170.095	175.711 E3	-3.3	99	0.00
6	T	n-Tetradecane (C14)	164.537	167.537 E3	-1.8	98	0.00
7	T	n-Hexadecane (C16)	171.851	173.784 E3	-1.1	97	0.00
8	T	n-Octadecane (C18)	175.526	174.166 E3	0.8	95	0.00
9	S	ortho-Terphenyl (SURR)	198.629	192.676 E3	3.0	93	0.00
10	T	n-Eicosane (C20)	171.265	166.945 E3	2.5	94	0.00
11	T	n-Heneicosane (C21)	167.740	163.048 E3	2.8	93	0.00
12	S	1-chlorooctadecane (SURR)	149.075	143.989 E3	3.4	92	0.00
13	T	n-Docosane (C22)	168.700	160.929 E3	4.6	92	0.00
14	T	n-Tetracosane (C24)	171.262	157.190 E3	8.2	90	0.00
15	T	n-Hexacosane (C26)	168.306	151.856 E3	9.8	89	0.00
16	T	n-Octacosane (C28)	167.212	147.082 E3	12.0	87	0.00
17	T	n-Tricontane (C30)	174.356	150.324 E3	13.8	86	0.00
18	T	n-Dotriacontane (C32)	167.404	143.459 E3	14.3	85	0.00
19	T	n-Tetratriacontane (C34)	147.499	124.060 E3	15.9	82	0.00
20	T	n-Hexatriacontane (C36)	122.380	105.403 E3	13.9	83	0.00
21	T	n-Octatriacontane (C38)	107.385	97.599 E3	9.1	87	0.00
22	T	n-Tetracontane (C40)	98.006	92.729 E3	5.4	90	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FC032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068441.D**						
Aliphatic C9-C12	9550843.000	60.000	3.100	6.360	159180.717	162319.116	1.933
Aliphatic C12-C16	6539878.000	40.000	6.361	9.742	163496.950	168194.168	2.793
Aliphatic C16-C21	9653578.000	60.000	9.743	13.094	160892.967	171510.591	6.191
Aliphatic C21-C28	11829247.000	80.000	13.095	16.746	147865.588	168869.942	12.438
Aliphatic C28-C40	14047287.000	120.000	16.747	21.538	117060.725	136171.748	14.034
Aliphatic EPH	51620833.000	360.000	3.100	21.538	143391.203	157243.762	8.810

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Mar 2025 22:21
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068441.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.100	6.360	9550843.000	60.000	ug/ml
Aliphatic C12-C16	6.361	9.742	6539878.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.094	9653578.000	60.000	ug/ml
Aliphatic C21-C28	13.095	16.746	11829247.000	80.000	ug/ml
Aliphatic C28-C40	16.747	21.538	14047287.000	120.000	ug/ml
Aliphatic EPH	3.100	21.538	51620833.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068441.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:21
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 02:32:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.384	3701105	18.633 ug/ml
Spiked Amount	50.000		Recovery =	37.27%
12) S	1-chlorooctadecane (S...	12.826	2751772	18.459 ug/ml
Spiked Amount	50.000		Recovery =	36.92%
	Target Compounds			
1) T	n-Nonane (C9)	3.199	3123058	19.526 ug/ml
2) T	n-Decane (C10)	4.254	3189809	19.677 ug/ml
3) T	A~Naphthalene (C11.7)	5.818	3469084	19.635 ug/ml
4) T	n-Dodecane (C12)	6.260	3237976	19.635 ug/ml
5) T	A~2-methylnaphthalene...	6.869	3365011	19.783 ug/ml
6) T	n-Tetradecane (C14)	8.047	3207338	19.493 ug/ml
7) T	n-Hexadecane (C16)	9.642	3332540	19.392 ug/ml
8) T	n-Octadecane (C18)	11.080	3340301	19.030 ug/ml
10) T	n-Eicosane (C20)	12.385	3192830	18.643 ug/ml
11) T	n-Heneicosane (C21)	12.995	3120447	18.603 ug/ml
13) T	n-Docosane (C22)	13.580	3073770	18.220 ug/ml
14) T	n-Tetracosane (C24)	14.681	3003243	17.536 ug/ml
15) T	n-Hexacosane (C26)	15.700	2910726	17.294 ug/ml
16) T	n-Octacosane (C28)	16.646	2841508	16.993 ug/ml
17) T	n-Tricontane (C30)	17.534	2928231	16.795 ug/ml
18) T	n-Dotriacontane (C32)	18.364	2820626	16.849 ug/ml
19) T	n-Tetratriacontane (C34)	19.146	2441969	16.556 ug/ml
20) T	n-Hexatriacontane (C36)	19.884	2079398	16.991 ug/ml
21) T	n-Octatriacontane (C38)	20.595	1929297	17.966 ug/ml
22) T	n-Tetracontane (C40)	21.441	1847766	18.854 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

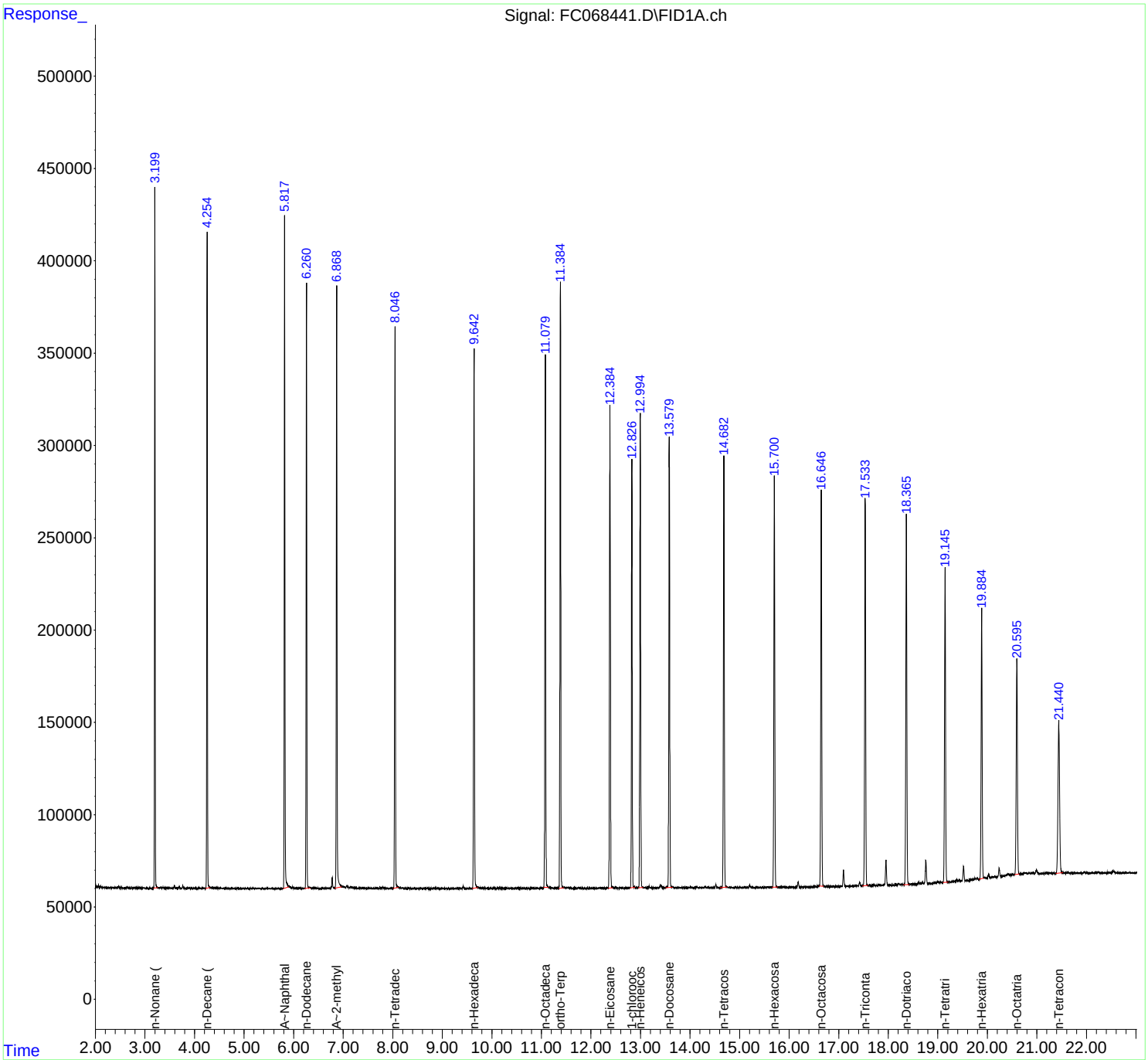
Quantitation Report (QT Reviewed)

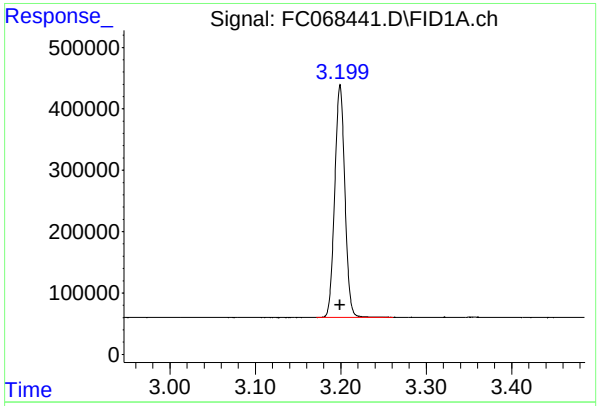
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068441.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:21
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 02:32:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

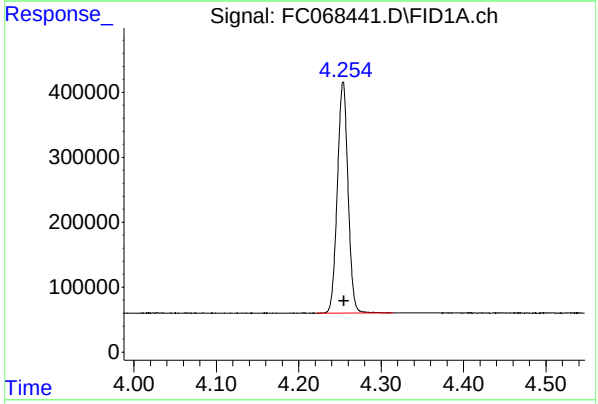




#1 n-Nonane (C9)

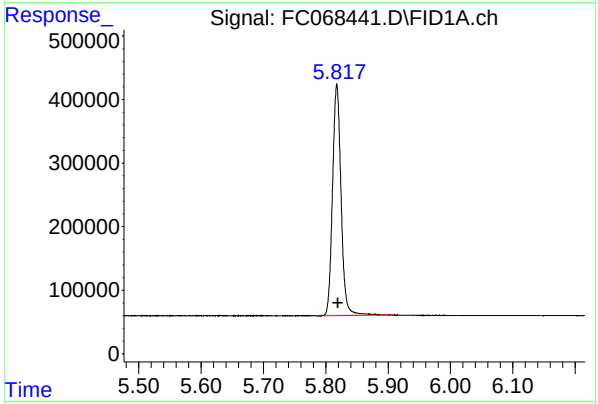
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3123058
Conc: 19.53 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



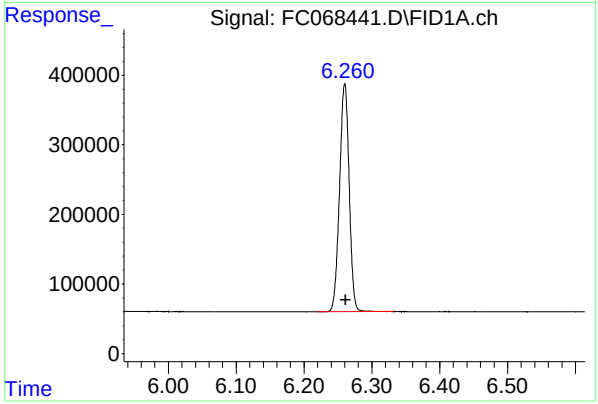
#2 n-Decane (C10)

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 3189809
Conc: 19.68 ug/ml



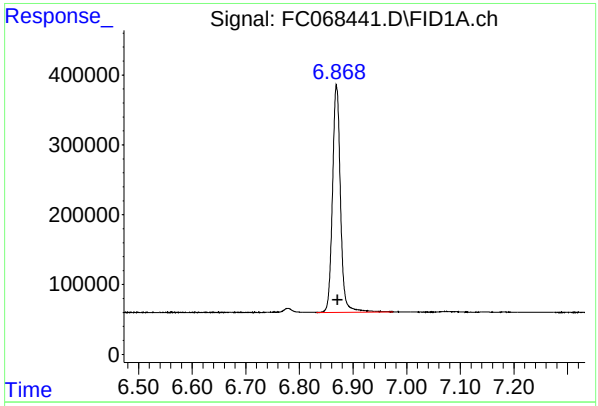
#3 A~Naphthalene (C11.7)

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 3469084
Conc: 19.64 ug/ml



#4 n-Dodecane (C12)

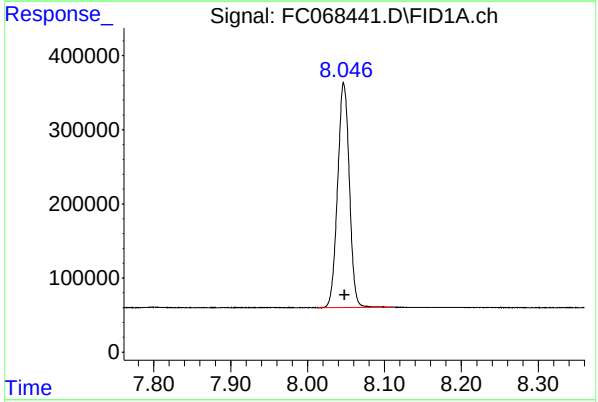
R.T.: 6.260 min
Delta R.T.: -0.001 min
Response: 3237976
Conc: 19.64 ug/ml



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

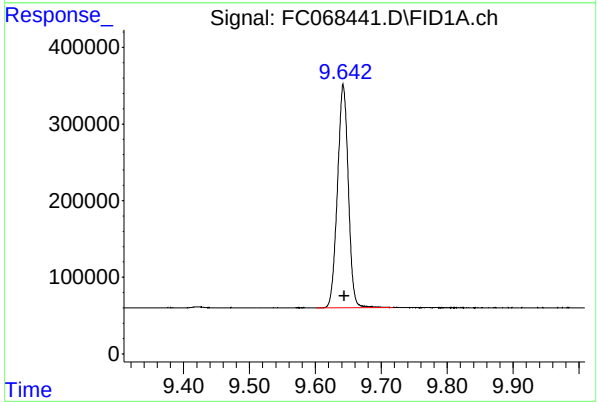
R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 3365011
Conc: 19.78 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



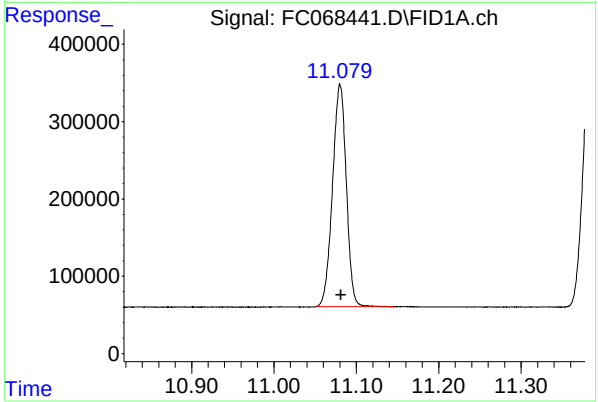
#6 n-Tetradecane (C14)

R.T.: 8.047 min
Delta R.T.: -0.001 min
Response: 3207338
Conc: 19.49 ug/ml



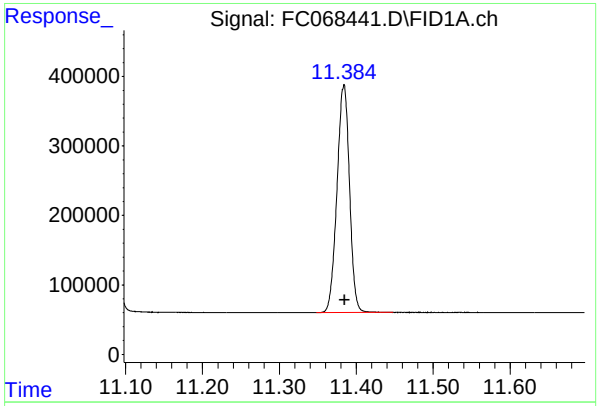
#7 n-Hexadecane (C16)

R.T.: 9.642 min
Delta R.T.: -0.002 min
Response: 3332540
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

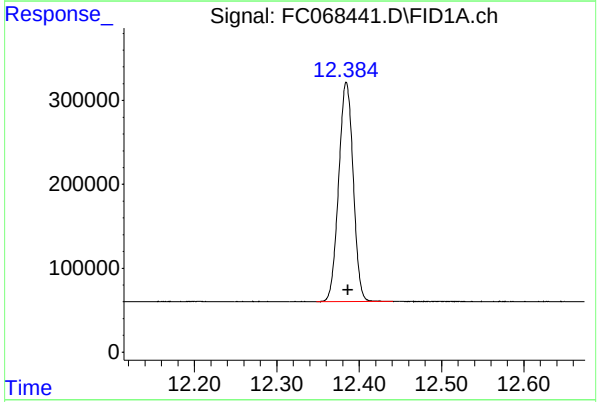
R.T.: 11.080 min
Delta R.T.: -0.001 min
Response: 3340301
Conc: 19.03 ug/ml



#9 ortho-Terphenyl (SURR)

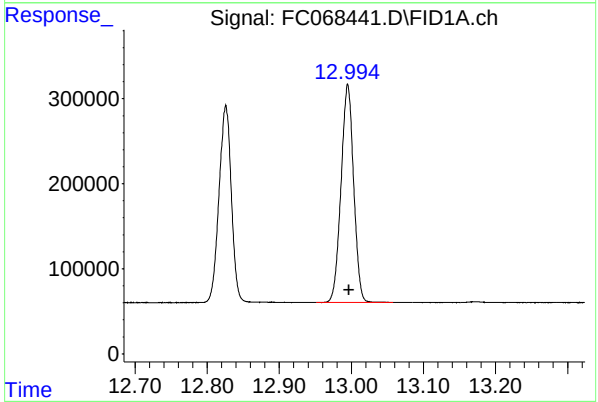
R.T.: 11.384 min
Delta R.T.: -0.001 min
Response: 3701105
Conc: 18.63 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



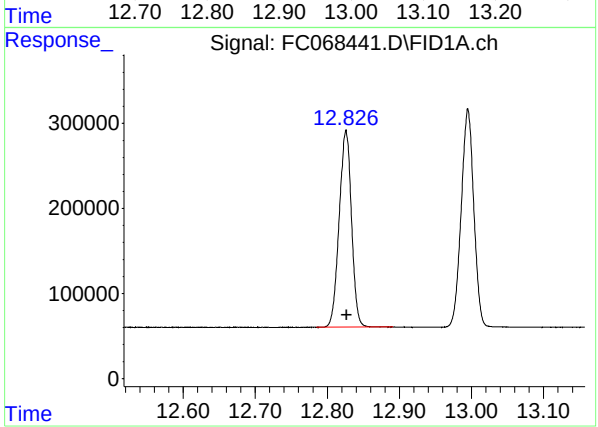
#10 n-Eicosane (C20)

R.T.: 12.385 min
Delta R.T.: -0.002 min
Response: 3192830
Conc: 18.64 ug/ml



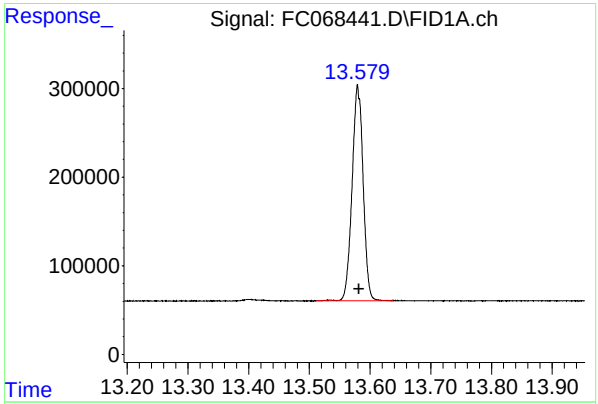
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: -0.002 min
Response: 3120447
Conc: 18.60 ug/ml



#12 1-chlorooctadecane (SURR)

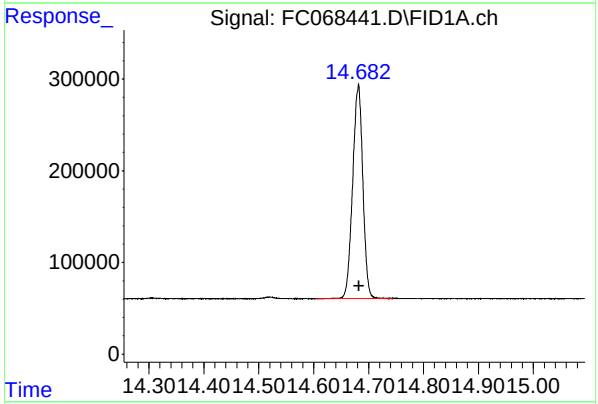
R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 2751772
Conc: 18.46 ug/ml



#13 n-Docosane (C22)

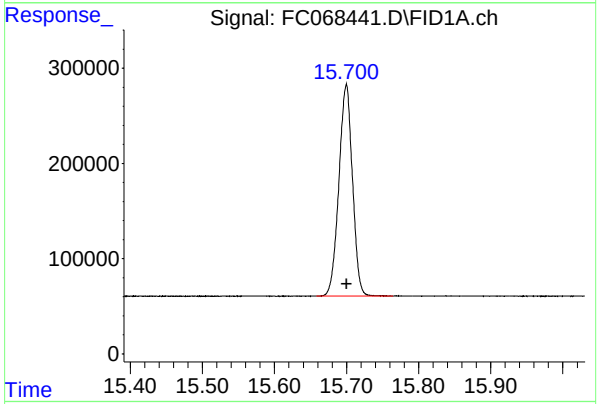
R.T.: 13.580 min
Delta R.T.: -0.002 min
Response: 3073770
Conc: 18.22 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



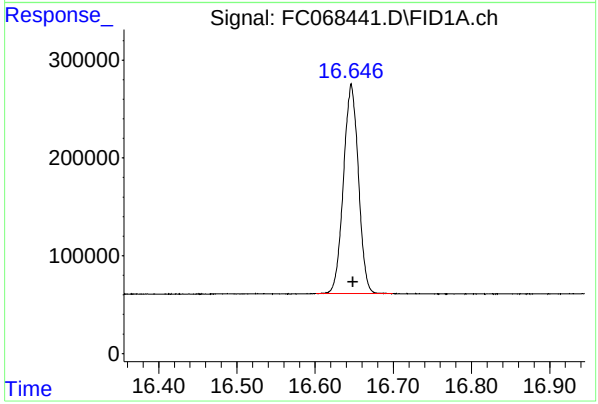
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.001 min
Response: 3003243
Conc: 17.54 ug/ml



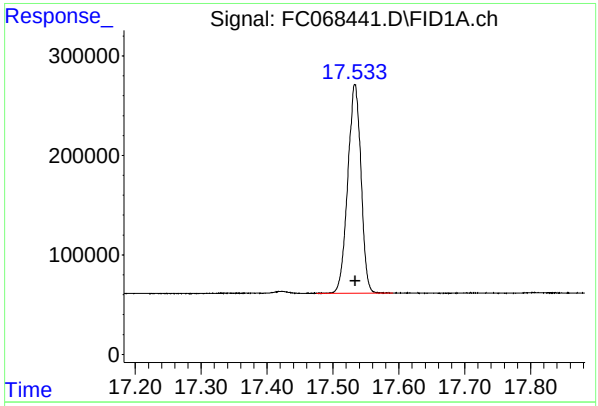
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 2910726
Conc: 17.29 ug/ml



#16 n-Octacosane (C28)

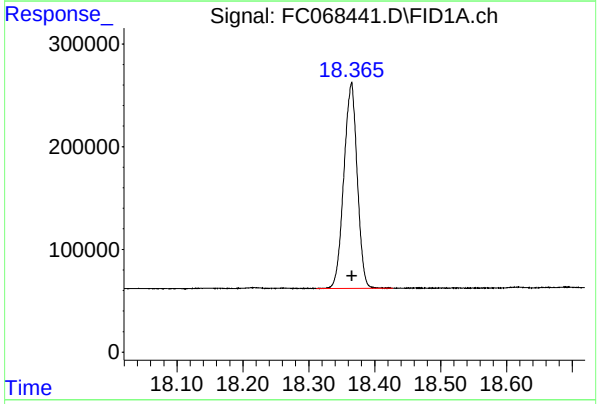
R.T.: 16.646 min
Delta R.T.: -0.002 min
Response: 2841508
Conc: 16.99 ug/ml



#17 n-Tricontane (C30)

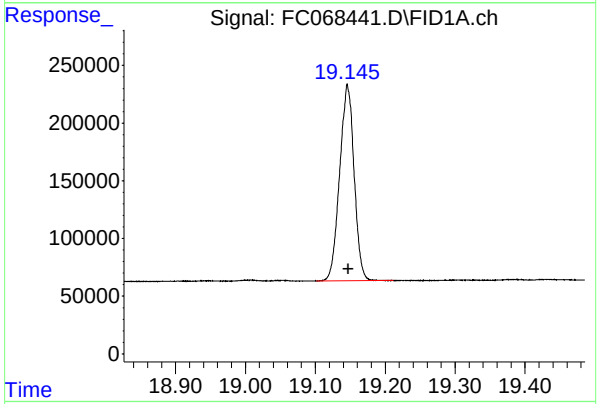
R.T.: 17.534 min
Delta R.T.: 0.000 min
Response: 2928231
Conc: 16.79 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



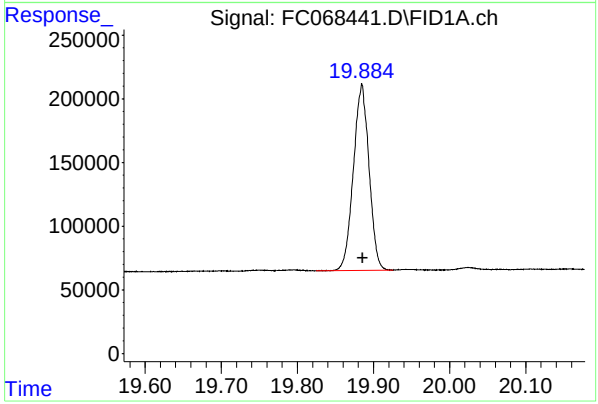
#18 n-Dotriacontane (C32)

R.T.: 18.364 min
Delta R.T.: -0.001 min
Response: 2820626
Conc: 16.85 ug/ml



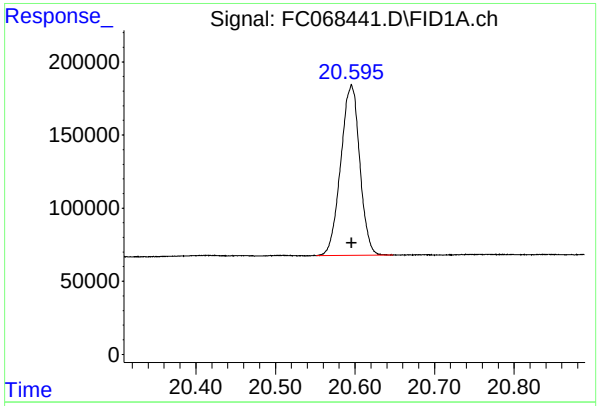
#19 n-Tetratriacontane (C34)

R.T.: 19.146 min
Delta R.T.: -0.001 min
Response: 2441969
Conc: 16.56 ug/ml



#20 n-Hexatriacontane (C36)

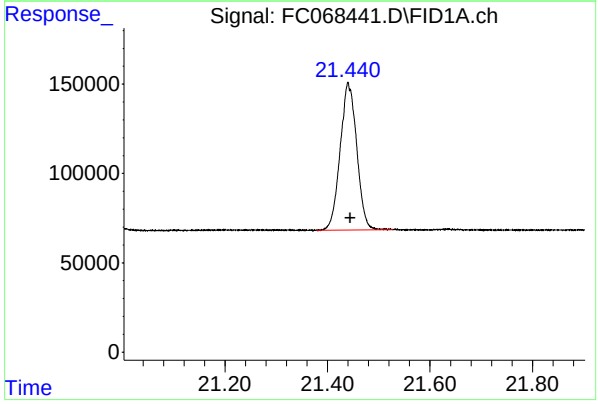
R.T.: 19.884 min
Delta R.T.: -0.001 min
Response: 2079398
Conc: 16.99 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.595 min
Delta R.T.: 0.000 min
Response: 1929297
Conc: 17.97 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.441 min
Delta R.T.: -0.004 min
Response: 1847766
Conc: 18.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068441.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:21
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.199	3.171	3.261	BB	372744	3123058	84.38%	4.812%
2	4.254	4.221	4.314	BB	357665	3189809	86.19%	4.914%
3	5.818	5.784	5.908	BB	361851	3469084	93.73%	5.345%
4	6.260	6.218	6.331	BB	328431	3237976	87.49%	4.989%
5	6.869	6.831	6.974	BB	324852	3365011	90.92%	5.184%
6	8.047	8.011	8.111	BB	301899	3207338	86.66%	4.941%
7	9.642	9.601	9.718	BB	289257	3332540	90.04%	5.134%
8	11.080	11.051	11.144	BB	287998	3340301	90.25%	5.146%
9	11.384	11.348	11.448	BB	328581	3701105	100.00%	5.702%
10	12.385	12.348	12.441	BB	261745	3192830	86.27%	4.919%
11	12.826	12.784	12.891	BB	230202	2751772	74.35%	4.240%
12	12.995	12.951	13.058	BB	255660	3120447	84.31%	4.808%
13	13.580	13.511	13.638	BB	235831	3073770	83.05%	4.736%
14	14.681	14.604	14.744	BB	231318	3003243	81.14%	4.627%
15	15.700	15.658	15.764	BB	223940	2910726	78.64%	4.484%
16	16.646	16.601	16.699	BBA	211471	2841508	76.77%	4.378%
17	17.534	17.474	17.591	BB	209481	2928231	79.12%	4.511%
18	18.364	18.311	18.428	BB	199645	2820626	76.21%	4.346%
19	19.146	19.101	19.211	BB	166793	2441969	65.98%	3.762%
20	19.884	19.824	19.925	BB	144794	2079398	56.18%	3.204%
21	20.595	20.551	20.648	BB	115352	1929297	52.13%	2.972%
22	21.441	21.378	21.528	BB	81527	1847766	49.92%	2.847%
			Sum of corrected areas:			64907803		

Aliphatic EPH 032625.M Sat Mar 29 02:51:13 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068441.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:21
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 02:32:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	n-Nonane (C9)	159.943	156.153	E3	2.4	94	0.00
2	T	n-Decane (C10)	162.107	159.490	E3	1.6	95	0.00
3	T	A~Naphthalene (C11.7)	176.677	173.454	E3	1.8	94	0.00
4	T	n-Dodecane (C12)	164.908	161.899	E3	1.8	95	0.00
5	T	A~2-methylnaphthalene (C12.	170.095	168.251	E3	1.1	94	0.00
6	T	n-Tetradecane (C14)	164.537	160.367	E3	2.5	94	0.00
7	T	n-Hexadecane (C16)	171.851	166.627	E3	3.0	93	0.00
8	T	n-Octadecane (C18)	175.526	167.015	E3	4.8	91	0.00
9	S	ortho-Terphenyl (SURR)	198.629	185.055	E3	6.8	89	0.00
10	T	n-Eicosane (C20)	171.265	159.642	E3	6.8	90	0.00
11	T	n-Heneicosane (C21)	167.740	156.022	E3	7.0	89	0.00
12	S	1-chlorooctadecane (SURR)	149.075	137.589	E3	7.7	88	0.00
13	T	n-Docosane (C22)	168.700	153.688	E3	8.9	88	0.00
14	T	n-Tetracosane (C24)	171.262	150.162	E3	12.3	86	0.00
15	T	n-Hexacosane (C26)	168.306	145.536	E3	13.5	85	0.00
16	T	n-Octacosane (C28)	167.212	142.075	E3	15.0	84	0.00
17	T	n-Tricontane (C30)	174.356	146.412	E3	16.0	84	0.00
18	T	n-Dotriacontane (C32)	167.404	141.031	E3	15.8	83	0.00
19	T	n-Tetratriacontane (C34)	147.499	122.098	E3	17.2	81	0.00
20	T	n-Hexatriacontane (C36)	122.380	103.970	E3	15.0	82	0.00
21	T	n-Octatriacontane (C38)	107.385	96.465	E3	10.2	86	0.00
22	T	n-Tetracontane (C40)	98.006	92.388	E3	5.7	90	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FC040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068468.D**						
Aliphatic C9-C12	9682294.000	60.000	3.097	6.359	161371.567	162319.116	0.584
Aliphatic C12-C16	6682574.000	40.000	6.360	9.742	167064.350	168194.168	0.672
Aliphatic C16-C21	9959123.000	60.000	9.743	13.096	165985.383	171510.591	3.221
Aliphatic C21-C28	12456931.000	80.000	13.097	16.749	155711.638	168869.942	7.792
Aliphatic C28-C40	14862509.000	120.000	16.750	21.544	123854.242	136171.748	9.046
Aliphatic EPH	53643431.000	360.000	3.097	21.544	149009.531	157243.762	5.237

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Apr 2025 11:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068468.D	Misc:	
Instrument:	FID_C	ALS Vial:	5
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.097	6.359	9682294.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.742	6682574.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.096	9959123.000	60.000	ug/ml
Aliphatic C21-C28	13.097	16.749	12456931.000	80.000	ug/ml
Aliphatic C28-C40	16.750	21.544	14862509.000	120.000	ug/ml
Aliphatic EPH	3.097	21.544	53643431.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068468.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 11:08
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 02:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.383	3811647	19.190 ug/ml
Spiked Amount	50.000		Recovery =	38.38%
12)	S 1-chlorooctadecane (S...	12.825	2847887	19.104 ug/ml
Spiked Amount	50.000		Recovery =	38.21%
	Target Compounds			
1)	T n-Nonane (C9)	3.197	3149608	19.692 ug/ml
2)	T n-Decane (C10)	4.252	3241103	19.994 ug/ml
3)	T A~Naphthalene (C11.7)	5.816	3558384	20.141 ug/ml
4)	T n-Dodecane (C12)	6.258	3291583	19.960 ug/ml
5)	T A~2-methylnaphthalene...	6.868	3441492	20.233 ug/ml
6)	T n-Tetradecane (C14)	8.045	3275889	19.910 ug/ml
7)	T n-Hexadecane (C16)	9.641	3406685	19.823 ug/ml
8)	T n-Octadecane (C18)	11.079	3432816	19.557 ug/ml
10)	T n-Eicosane (C20)	12.384	3302338	19.282 ug/ml
11)	T n-Heneicosane (C21)	12.994	3223969	19.220 ug/ml
13)	T n-Docosane (C22)	13.579	3204760	18.997 ug/ml
14)	T n-Tetracosane (C24)	14.680	3159959	18.451 ug/ml
15)	T n-Hexacosane (C26)	15.699	3069379	18.237 ug/ml
16)	T n-Octacosane (C28)	16.646	3022833	18.078 ug/ml
17)	T n-Tricontane (C30)	17.532	3168132	18.170 ug/ml
18)	T n-Dotriacontane (C32)	18.364	3051835	18.230 ug/ml
19)	T n-Tetratriacontane (C34)	19.145	2604001	17.654 ug/ml
20)	T n-Hexatriacontane (C36)	19.884	2162292	17.669 ug/ml
21)	T n-Octatriacontane (C38)	20.594	1986952	18.503 ug/ml
22)	T n-Tetracontane (C40)	21.443	1889297	19.277 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

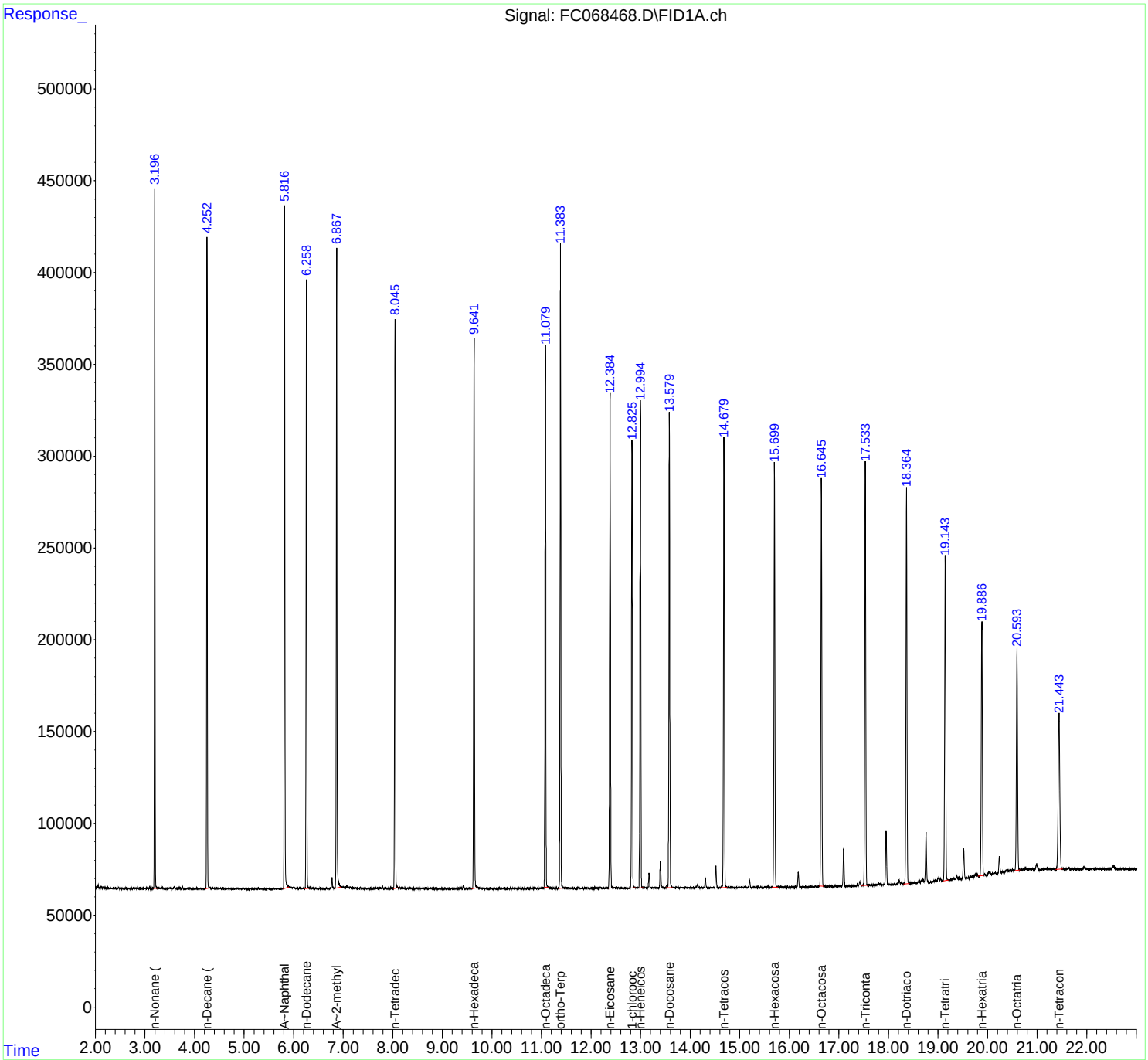
Quantitation Report (QT Reviewed)

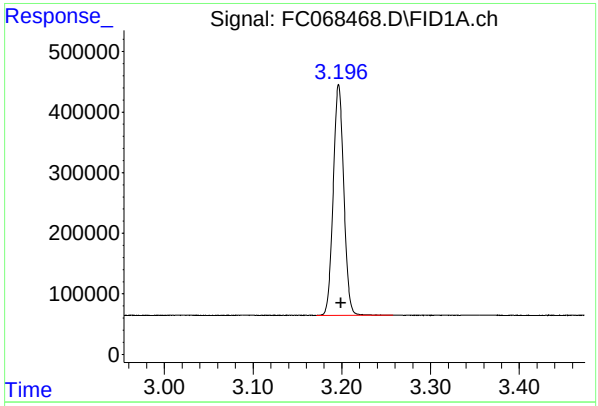
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068468.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 11:08
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 02:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

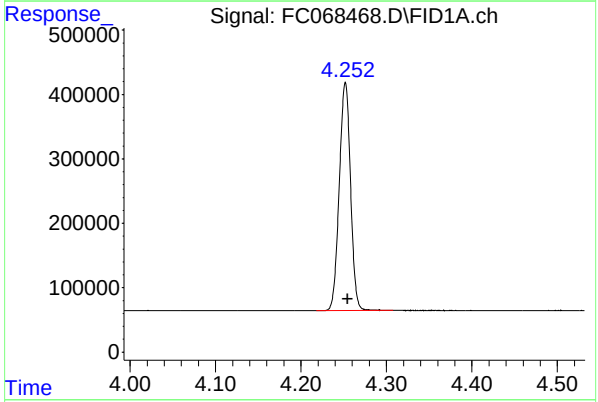




#1 n-Nonane (C9)

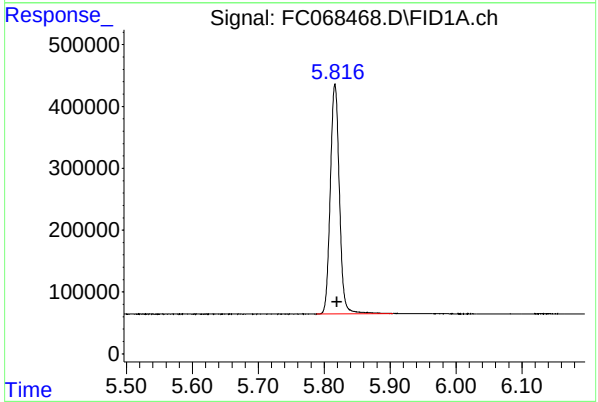
R.T.: 3.197 min
Delta R.T.: -0.002 min
Response: 3149608
Conc: 19.69 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



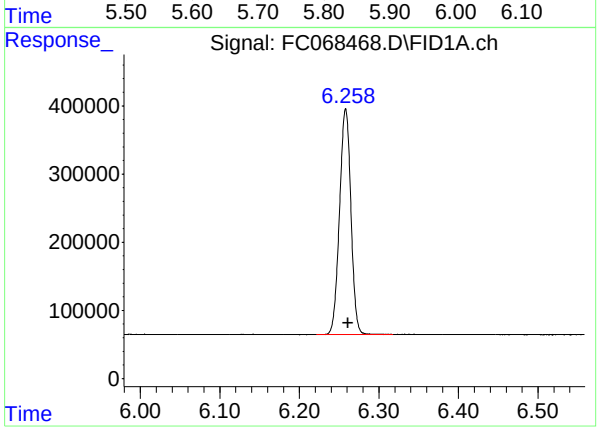
#2 n-Decane (C10)

R.T.: 4.252 min
Delta R.T.: -0.003 min
Response: 3241103
Conc: 19.99 ug/ml



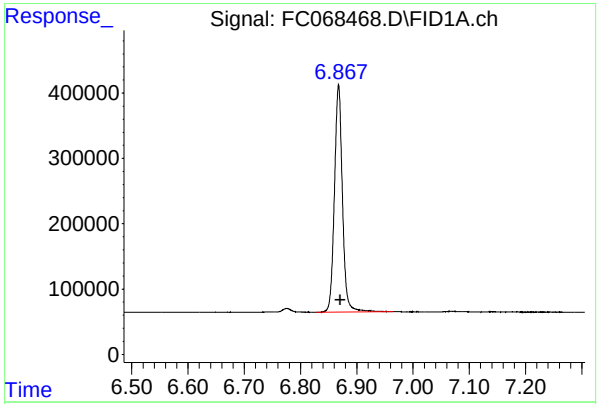
#3 A~Naphthalene (C11.7)

R.T.: 5.816 min
Delta R.T.: -0.003 min
Response: 3558384
Conc: 20.14 ug/ml



#4 n-Dodecane (C12)

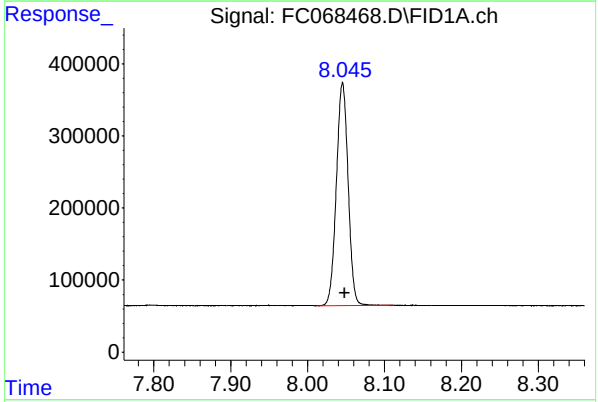
R.T.: 6.258 min
Delta R.T.: -0.003 min
Response: 3291583
Conc: 19.96 ug/ml



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

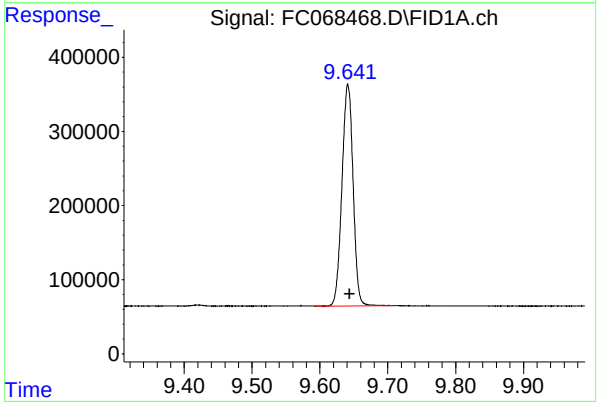
R.T.: 6.868 min
Delta R.T.: -0.003 min
Response: 3441492
Conc: 20.23 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



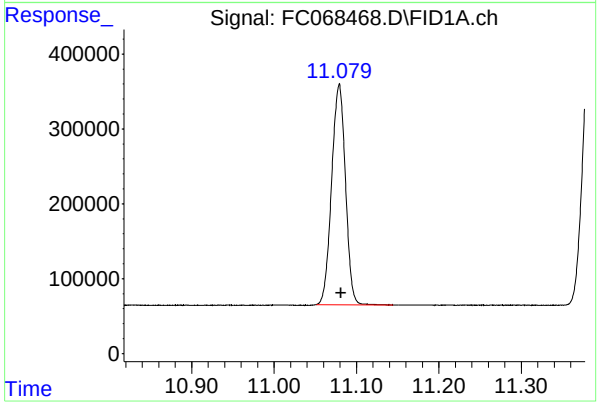
#6 n-Tetradecane (C14)

R.T.: 8.045 min
Delta R.T.: -0.003 min
Response: 3275889
Conc: 19.91 ug/ml



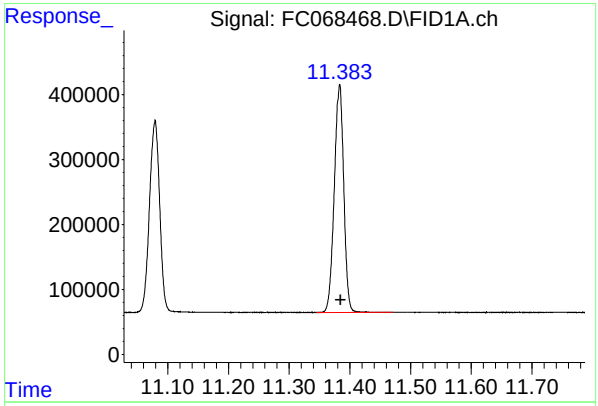
#7 n-Hexadecane (C16)

R.T.: 9.641 min
Delta R.T.: -0.003 min
Response: 3406685
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

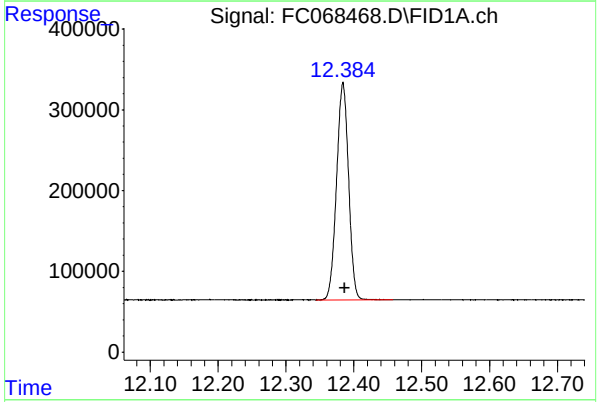
R.T.: 11.079 min
Delta R.T.: -0.003 min
Response: 3432816
Conc: 19.56 ug/ml



#9 ortho-Terphenyl (SURR)

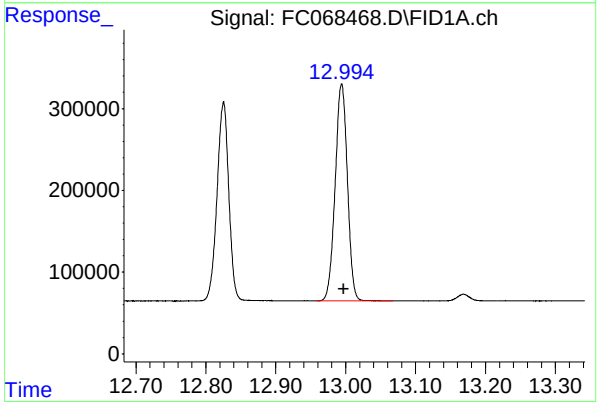
R.T.: 11.383 min
Delta R.T.: -0.002 min
Response: 3811647
Conc: 19.19 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



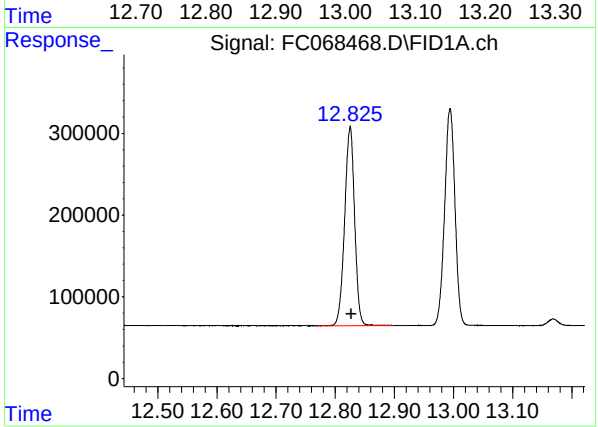
#10 n-Eicosane (C20)

R.T.: 12.384 min
Delta R.T.: -0.003 min
Response: 3302338
Conc: 19.28 ug/ml



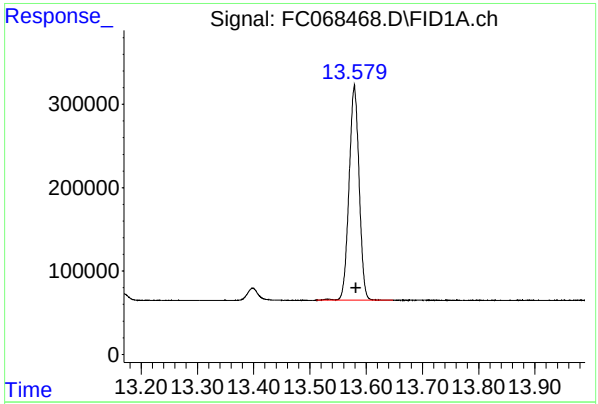
#11 n-Heneicosane (C21)

R.T.: 12.994 min
Delta R.T.: -0.003 min
Response: 3223969
Conc: 19.22 ug/ml



#12 1-chlorooctadecane (SURR)

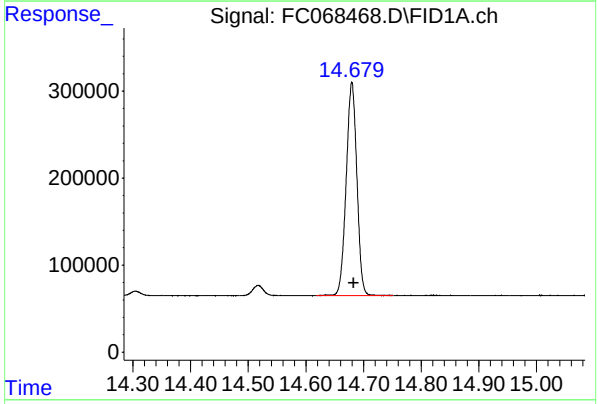
R.T.: 12.825 min
Delta R.T.: -0.002 min
Response: 2847887
Conc: 19.10 ug/ml



#13 n-Docosane (C22)

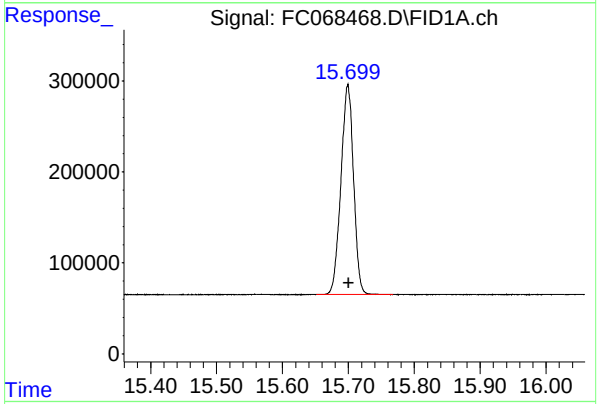
R.T.: 13.579 min
Delta R.T.: -0.003 min
Response: 3204760
Conc: 19.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



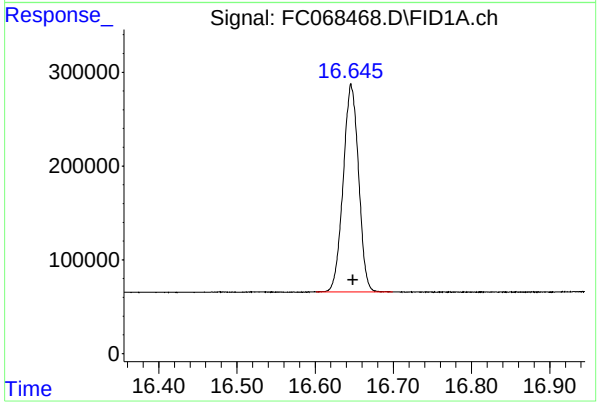
#14 n-Tetracosane (C24)

R.T.: 14.680 min
Delta R.T.: -0.003 min
Response: 3159959
Conc: 18.45 ug/ml



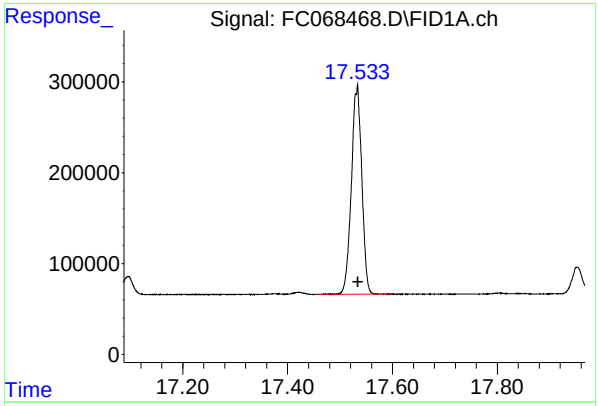
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 3069379
Conc: 18.24 ug/ml



#16 n-Octacosane (C28)

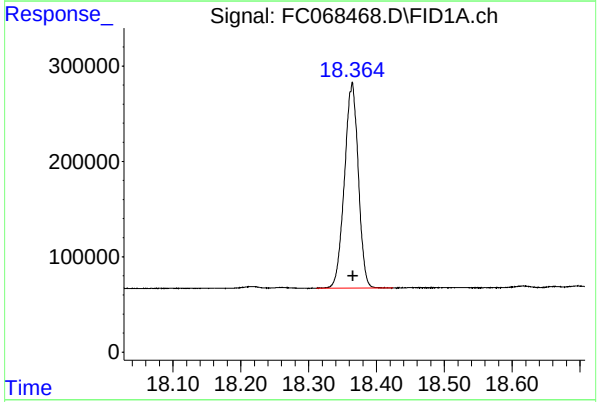
R.T.: 16.646 min
Delta R.T.: -0.002 min
Response: 3022833
Conc: 18.08 ug/ml



#17 n-Tricontane (C30)

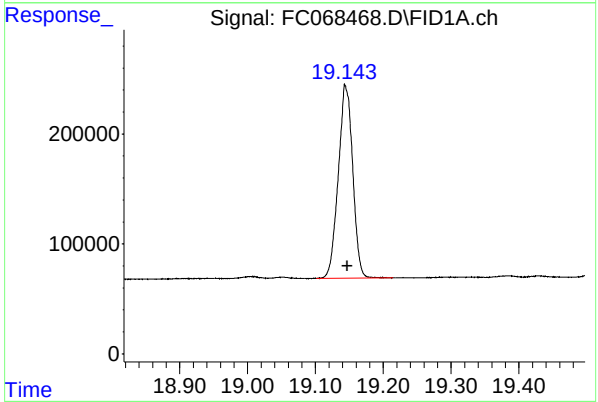
R.T.: 17.532 min
Delta R.T.: -0.002 min
Response: 3168132
Conc: 18.17 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



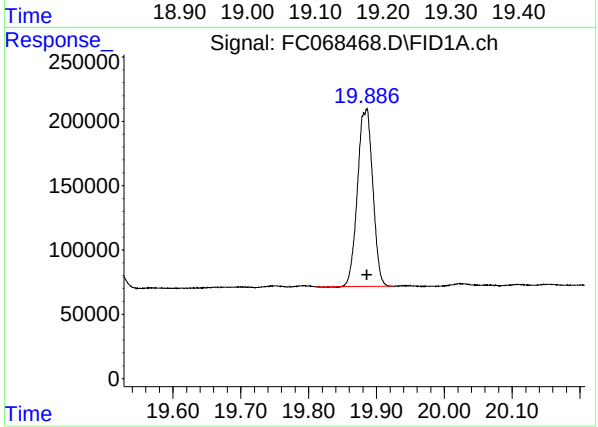
#18 n-Dotriacontane (C32)

R.T.: 18.364 min
Delta R.T.: -0.002 min
Response: 3051835
Conc: 18.23 ug/ml



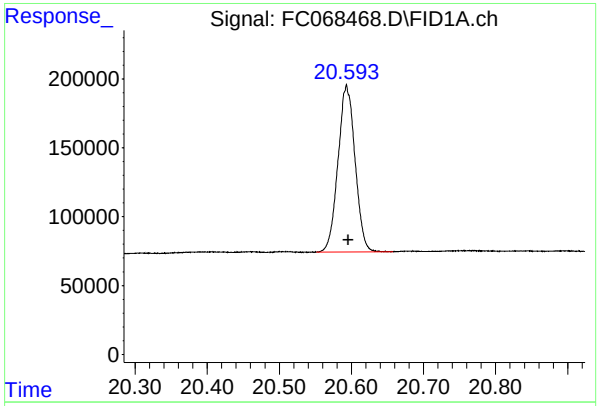
#19 n-Tetratriacontane (C34)

R.T.: 19.145 min
Delta R.T.: -0.002 min
Response: 2604001
Conc: 17.65 ug/ml



#20 n-Hexatriacontane (C36)

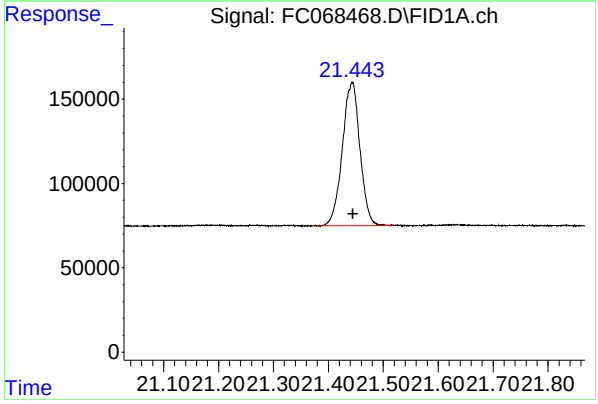
R.T.: 19.884 min
Delta R.T.: -0.002 min
Response: 2162292
Conc: 17.67 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.594 min
Delta R.T.: -0.002 min
Response: 1986952
Conc: 18.50 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 1889297
Conc: 19.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068468.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 11:08
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.197	3.171	3.258	BB	376566	3149608	82.63%	4.680%
2	4.252	4.218	4.308	BB	352426	3241103	85.03%	4.816%
3	5.816	5.788	5.904	BB	370620	3558384	93.36%	5.287%
4	6.258	6.221	6.318	BB	330912	3291583	86.36%	4.891%
5	6.868	6.828	6.964	BB	346988	3441492	90.29%	5.113%
6	8.045	8.011	8.111	BB	307920	3275889	85.94%	4.867%
7	9.641	9.594	9.708	BB	298981	3406685	89.38%	5.062%
8	11.079	11.051	11.144	BB	291273	3432816	90.06%	5.101%
9	11.383	11.344	11.471	BB	354323	3811647	100.00%	5.663%
10	12.384	12.344	12.458	BB	268281	3302338	86.64%	4.907%
11	12.825	12.768	12.898	BB	241729	2847887	74.72%	4.231%
12	12.994	12.958	13.068	BB	265172	3223969	84.58%	4.790%
13	13.579	13.511	13.648	BB	254836	3204760	84.08%	4.762%
14	14.680	14.618	14.751	BB	244898	3159959	82.90%	4.695%
15	15.699	15.651	15.768	BB	229030	3069379	80.53%	4.561%
16	16.646	16.601	16.699	BBA	218747	3022833	79.31%	4.491%
17	17.532	17.454	17.601	BB	223811	3168132	83.12%	4.707%
18	18.364	18.311	18.424	BB	214413	3051835	80.07%	4.534%
19	19.145	19.101	19.214	BB	175471	2604001	68.32%	3.869%
20	19.884	19.811	19.924	BB	136232	2162292	56.73%	3.213%
21	20.594	20.551	20.658	BB	119042	1986952	52.13%	2.952%
22	21.443	21.378	21.518	BB	85480	1889297	49.57%	2.807%
			Sum of corrected areas:			67302838		

Aliphatic EPH 032625.M Wed Apr 02 03:28:53 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068468.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 11:08
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 02:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	n-Nonane (C9)	159.943	157.480	E3	1.5	95	0.00
2	T	n-Decane (C10)	162.107	162.055	E3	0.0	96	0.00
3	T	A~Naphthalene (C11.7)	176.677	177.919	E3	-0.7	96	0.00
4	T	n-Dodecane (C12)	164.908	164.579	E3	0.2	96	0.00
5	T	A~2-methylnaphthalene (C12.	170.095	172.075	E3	-1.2	96	0.00
6	T	n-Tetradecane (C14)	164.537	163.794	E3	0.5	96	0.00
7	T	n-Hexadecane (C16)	171.851	170.334	E3	0.9	95	0.00
8	T	n-Octadecane (C18)	175.526	171.641	E3	2.2	94	0.00
9	S	ortho-Terphenyl (SURR)	198.629	190.582	E3	4.1	92	0.00
10	T	n-Eicosane (C20)	171.265	165.117	E3	3.6	93	0.00
11	T	n-Heneicosane (C21)	167.740	161.198	E3	3.9	92	0.00
12	S	1-chlorooctadecane (SURR)	149.075	142.394	E3	4.5	91	0.00
13	T	n-Docosane (C22)	168.700	160.238	E3	5.0	92	0.00
14	T	n-Tetracosane (C24)	171.262	157.998	E3	7.7	91	0.00
15	T	n-Hexacosane (C26)	168.306	153.469	E3	8.8	90	0.00
16	T	n-Octacosane (C28)	167.212	151.142	E3	9.6	90	0.00
17	T	n-Tricontane (C30)	174.356	158.407	E3	9.1	90	0.00
18	T	n-Dotriacontane (C32)	167.404	152.592	E3	8.8	90	0.00
19	T	n-Tetratriacontane (C34)	147.499	130.200	E3	11.7	86	0.00
20	T	n-Hexatriacontane (C36)	122.380	108.115	E3	11.7	85	0.00
21	T	n-Octatriacontane (C38)	107.385	99.348	E3	7.5	89	0.00
22	T	n-Tetracontane (C40)	98.006	94.465	E3	3.6	92	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FC040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068484.D**						
Aliphatic C9-C12	9631436.000	60.000	3.097	6.359	160523.933	162319.116	1.106
Aliphatic C12-C16	6596610.000	40.000	6.360	9.742	164915.250	168194.168	1.949
Aliphatic C16-C21	9731662.000	60.000	9.743	13.096	162194.367	171510.591	5.432
Aliphatic C21-C28	12232234.000	80.000	13.097	16.749	152902.925	168869.942	9.455
Aliphatic C28-C40	14883593.000	120.000	16.750	21.544	124029.942	136171.748	8.917
Aliphatic EPH	53075535.000	360.000	3.097	21.544	147432.042	157243.762	6.240

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	02 Apr 2025 01:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068484.D	Misc:	
Instrument:	FID_C	ALS Vial:	5
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.097	6.359	9631436.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.742	6596610.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.096	9731662.000	60.000	ug/ml
Aliphatic C21-C28	13.097	16.749	12232234.000	80.000	ug/ml
Aliphatic C28-C40	16.750	21.544	14883593.000	120.000	ug/ml
Aliphatic EPH	3.097	21.544	53075535.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068484.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 01:23
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 03:02:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.380	3739317	18.826 ug/ml
Spiked Amount	50.000		Recovery =	37.65%
12)	S 1-chlorooctadecane (S...	12.822	2783813	18.674 ug/ml
Spiked Amount	50.000		Recovery =	37.35%
	Target Compounds			
1)	T n-Nonane (C9)	3.197	3139728	19.630 ug/ml
2)	T n-Decane (C10)	4.251	3228402	19.915 ug/ml
3)	T A~Naphthalene (C11.7)	5.815	3527475	19.966 ug/ml
4)	T n-Dodecane (C12)	6.257	3263306	19.789 ug/ml
5)	T A~2-methylnaphthalene...	6.867	3403834	20.011 ug/ml
6)	T n-Tetradecane (C14)	8.045	3236232	19.669 ug/ml
7)	T n-Hexadecane (C16)	9.639	3360378	19.554 ug/ml
8)	T n-Octadecane (C18)	11.076	3339346	19.025 ug/ml
10)	T n-Eicosane (C20)	12.381	3235473	18.892 ug/ml
11)	T n-Heneicosane (C21)	12.991	3156843	18.820 ug/ml
13)	T n-Docosane (C22)	13.577	3135672	18.587 ug/ml
14)	T n-Tetracosane (C24)	14.677	3092730	18.058 ug/ml
15)	T n-Hexacosane (C26)	15.696	3013961	17.908 ug/ml
16)	T n-Octacosane (C28)	16.643	2989871	17.881 ug/ml
17)	T n-Tricontane (C30)	17.529	3156631	18.105 ug/ml
18)	T n-Dotriacontane (C32)	18.360	3057917	18.267 ug/ml
19)	T n-Tetratriacontane (C34)	19.142	2610578	17.699 ug/ml
20)	T n-Hexatriacontane (C36)	19.879	2180417	17.817 ug/ml
21)	T n-Octatriacontane (C38)	20.588	1983203	18.468 ug/ml
22)	T n-Tetracontane (C40)	21.434	1894847	19.334 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

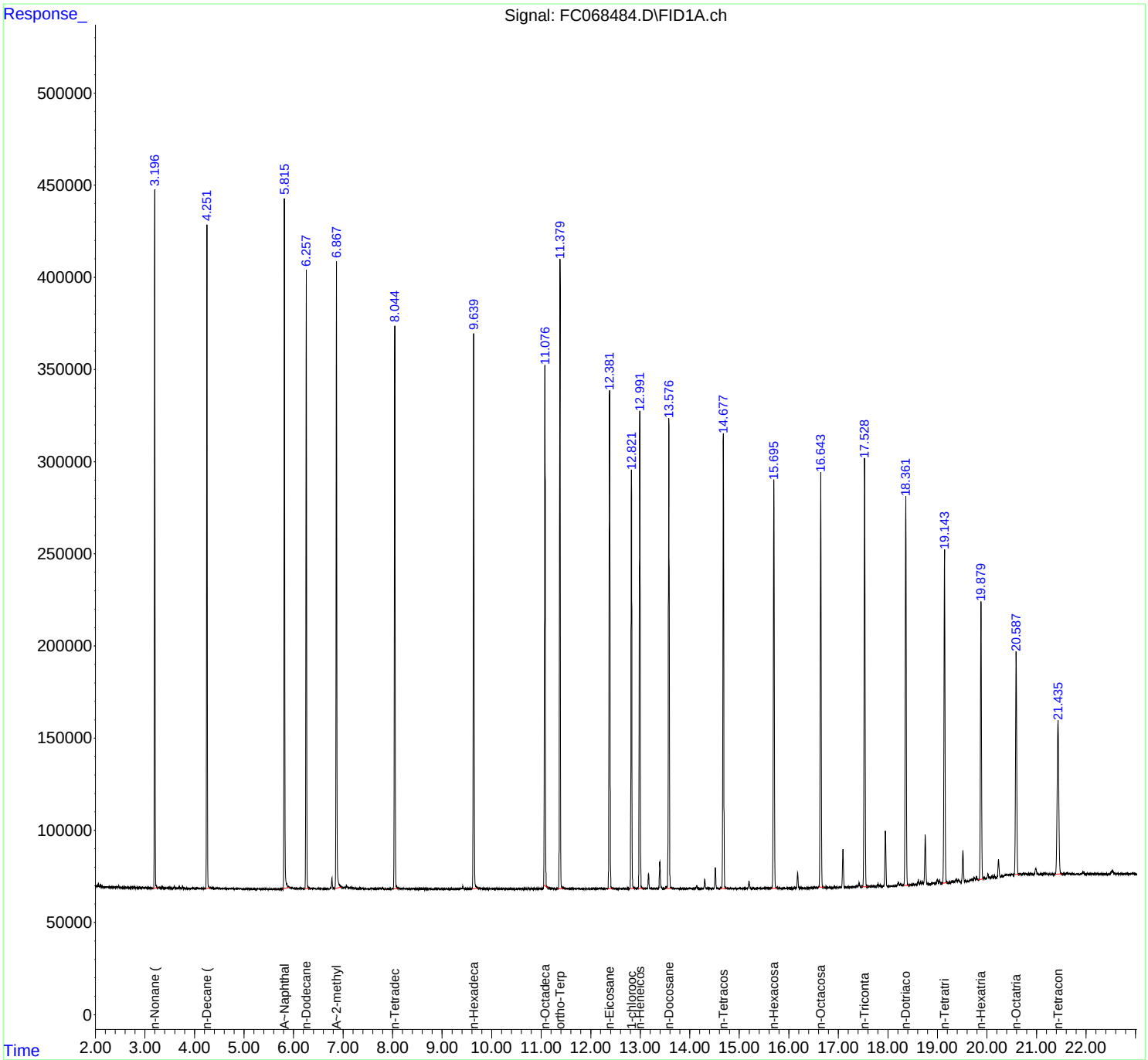
Quantitation Report (QT Reviewed)

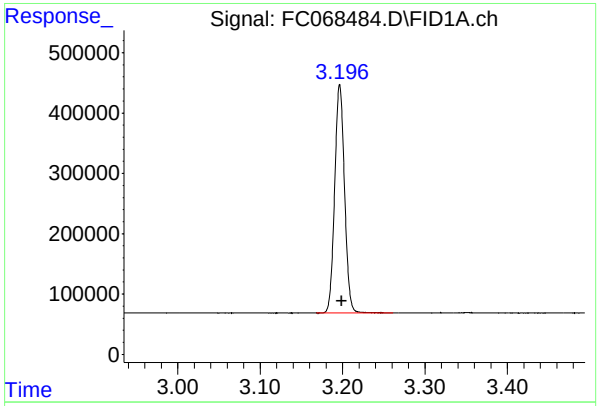
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068484.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 01:23
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 03:02:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

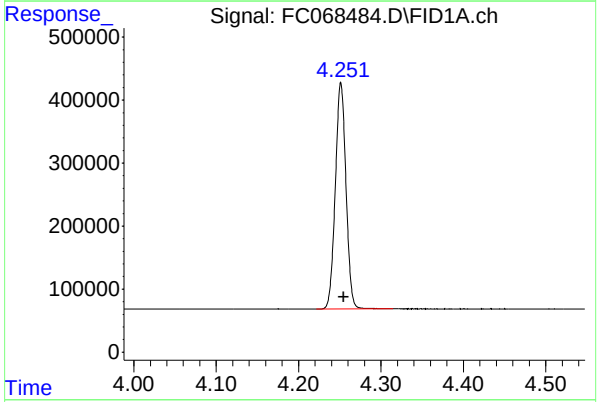




#1 n-Nonane (C9)

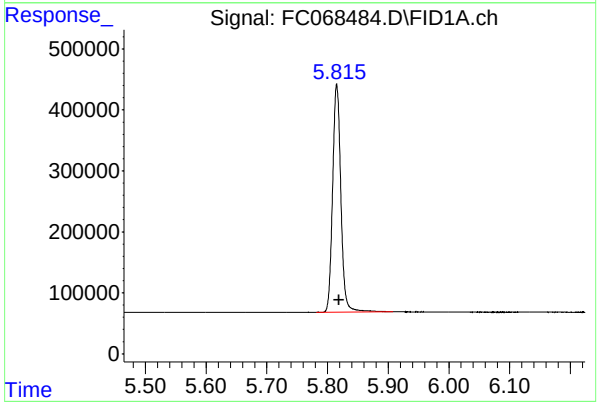
R.T.: 3.197 min
Delta R.T.: -0.002 min
Response: 3139728
Conc: 19.63 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



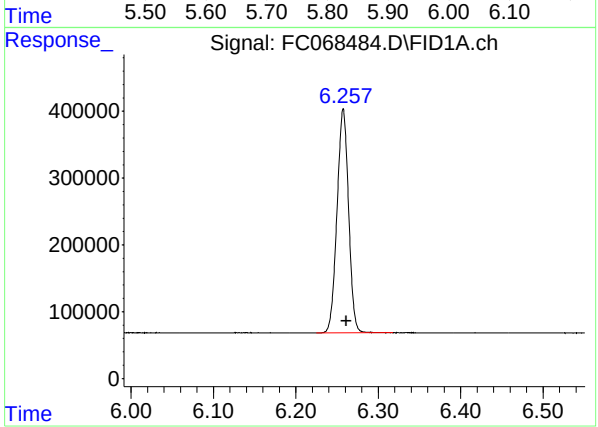
#2 n-Decane (C10)

R.T.: 4.251 min
Delta R.T.: -0.003 min
Response: 3228402
Conc: 19.92 ug/ml



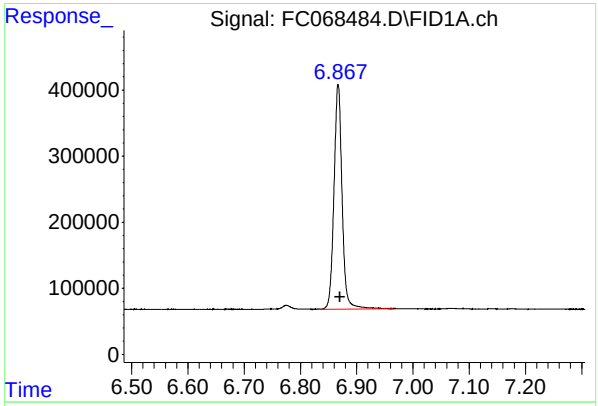
#3 A~Naphthalene (C11.7)

R.T.: 5.815 min
Delta R.T.: -0.004 min
Response: 3527475
Conc: 19.97 ug/ml



#4 n-Dodecane (C12)

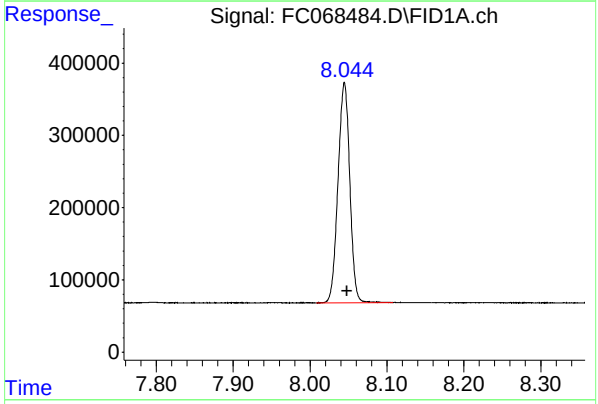
R.T.: 6.257 min
Delta R.T.: -0.004 min
Response: 3263306
Conc: 19.79 ug/ml



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

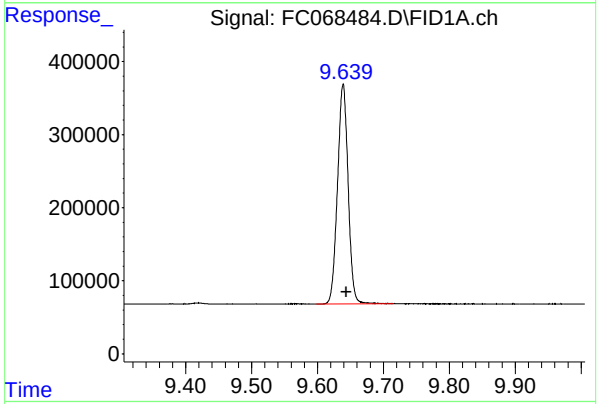
R.T.: 6.867 min
Delta R.T.: -0.004 min
Response: 3403834
Conc: 20.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



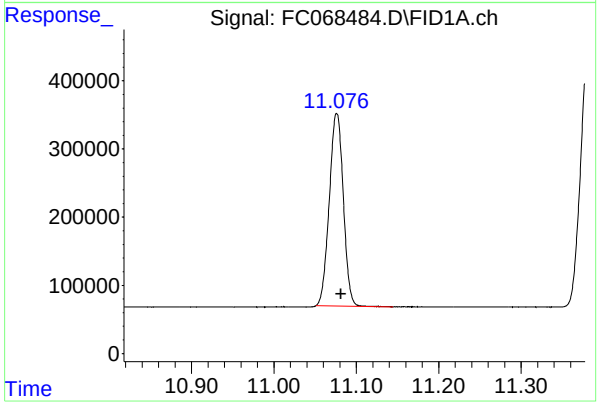
#6 n-Tetradecane (C14)

R.T.: 8.045 min
Delta R.T.: -0.004 min
Response: 3236232
Conc: 19.67 ug/ml



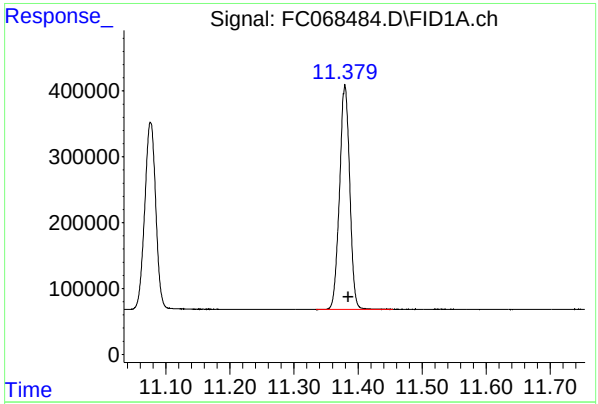
#7 n-Hexadecane (C16)

R.T.: 9.639 min
Delta R.T.: -0.005 min
Response: 3360378
Conc: 19.55 ug/ml



#8 n-Octadecane (C18)

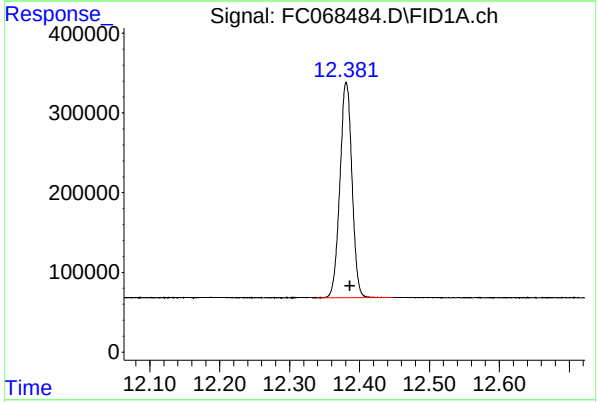
R.T.: 11.076 min
Delta R.T.: -0.005 min
Response: 3339346
Conc: 19.02 ug/ml



#9 ortho-Terphenyl (SURR)

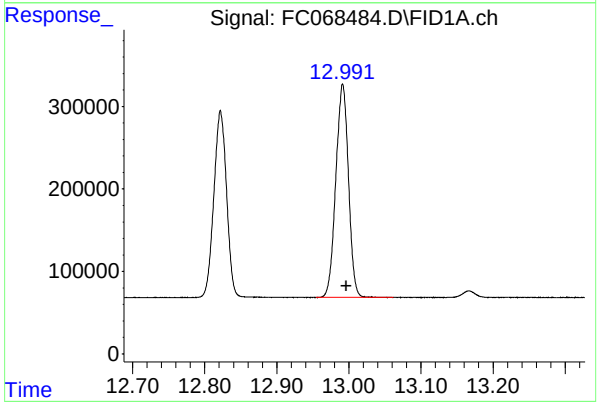
R.T.: 11.380 min
Delta R.T.: -0.005 min
Response: 3739317
Conc: 18.83 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



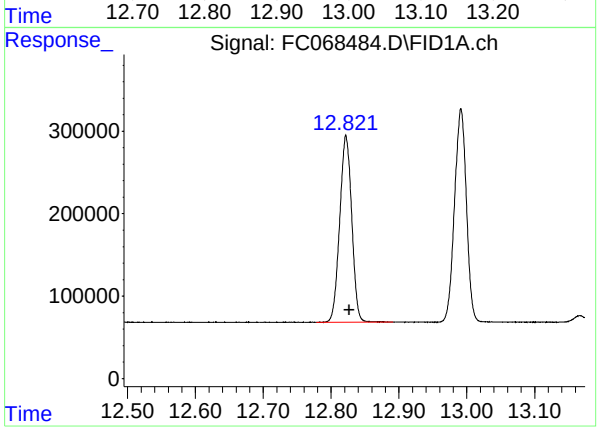
#10 n-Eicosane (C20)

R.T.: 12.381 min
Delta R.T.: -0.005 min
Response: 3235473
Conc: 18.89 ug/ml



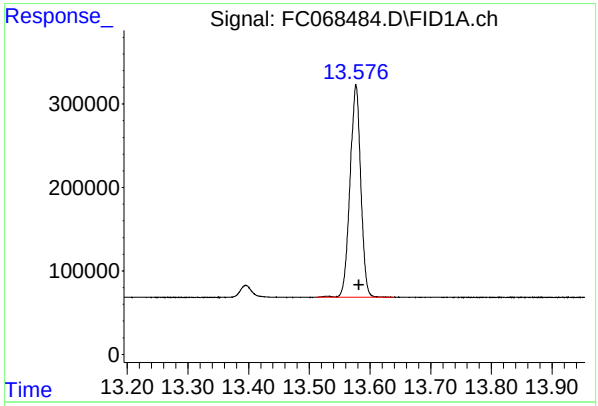
#11 n-Heneicosane (C21)

R.T.: 12.991 min
Delta R.T.: -0.005 min
Response: 3156843
Conc: 18.82 ug/ml



#12 1-chlorooctadecane (SURR)

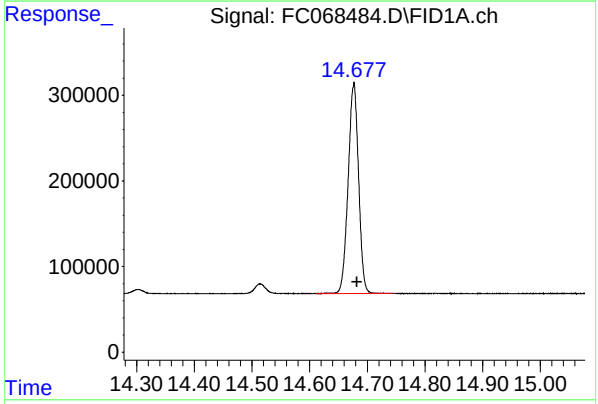
R.T.: 12.822 min
Delta R.T.: -0.005 min
Response: 2783813
Conc: 18.67 ug/ml



#13 n-Docosane (C22)

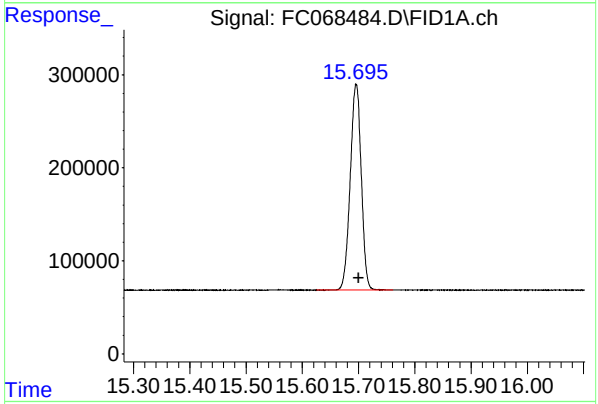
R.T.: 13.577 min
Delta R.T.: -0.005 min
Response: 3135672
Conc: 18.59 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



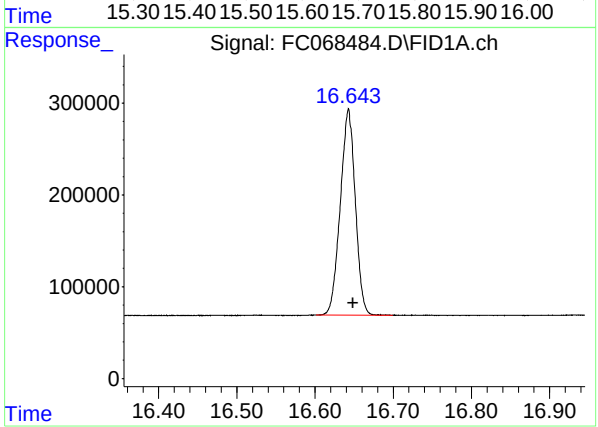
#14 n-Tetracosane (C24)

R.T.: 14.677 min
Delta R.T.: -0.006 min
Response: 3092730
Conc: 18.06 ug/ml



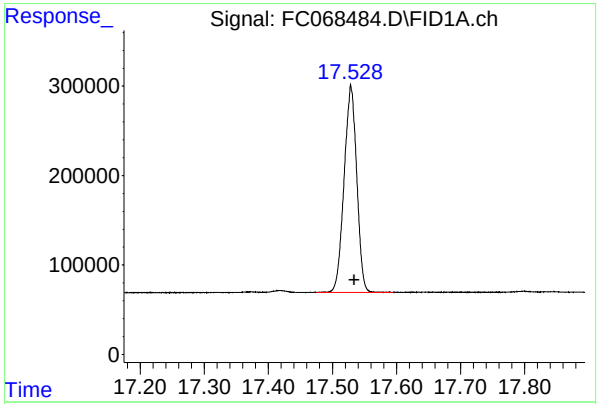
#15 n-Hexacosane (C26)

R.T.: 15.696 min
Delta R.T.: -0.005 min
Response: 3013961
Conc: 17.91 ug/ml



#16 n-Octacosane (C28)

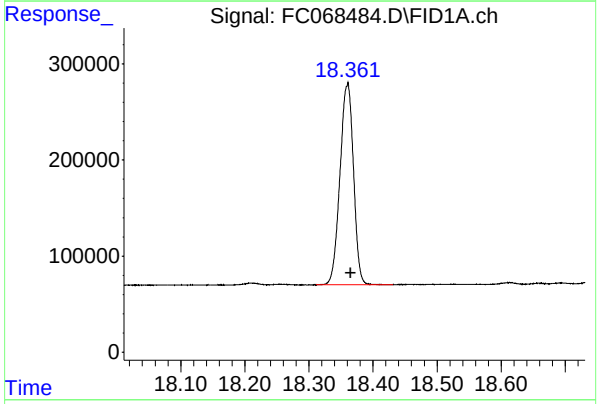
R.T.: 16.643 min
Delta R.T.: -0.006 min
Response: 2989871
Conc: 17.88 ug/ml



#17 n-Tricontane (C30)

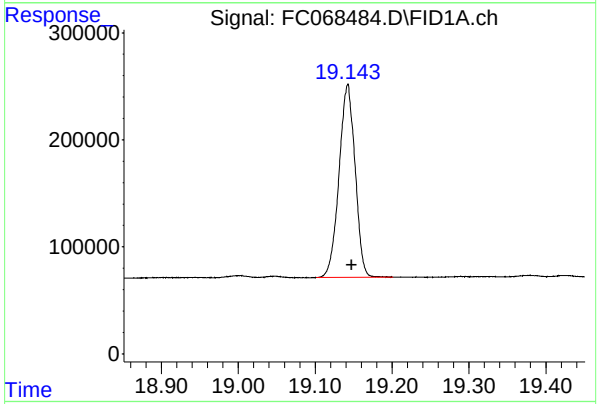
R.T.: 17.529 min
Delta R.T.: -0.005 min
Response: 3156631
Conc: 18.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



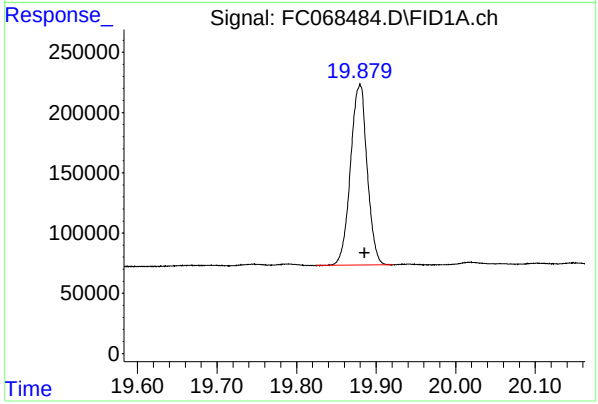
#18 n-Dotriacontane (C32)

R.T.: 18.360 min
Delta R.T.: -0.005 min
Response: 3057917
Conc: 18.27 ug/ml



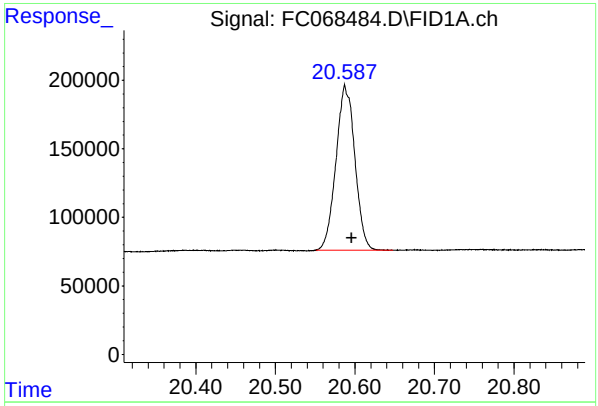
#19 n-Tetratriacontane (C34)

R.T.: 19.142 min
Delta R.T.: -0.005 min
Response: 2610578
Conc: 17.70 ug/ml



#20 n-Hexatriacontane (C36)

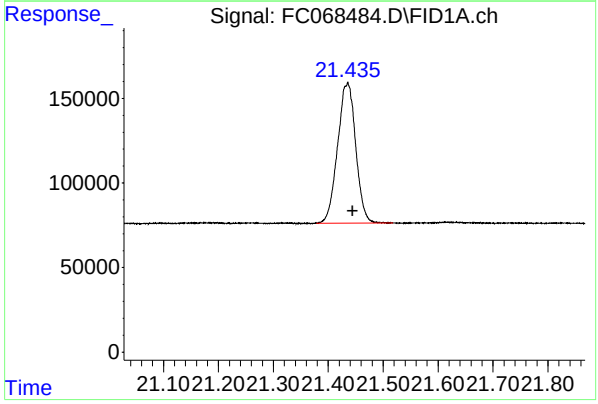
R.T.: 19.879 min
Delta R.T.: -0.007 min
Response: 2180417
Conc: 17.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.588 min
Delta R.T.: -0.007 min
Response: 1983203
Conc: 18.47 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 21.434 min
Delta R.T.: -0.010 min
Response: 1894847
Conc: 19.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068484.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 01:23
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.197	3.168	3.261	BB	374587	3139728	83.97%	4.719%
2	4.251	4.221	4.315	BB	358745	3228402	86.34%	4.853%
3	5.815	5.781	5.908	BB	373102	3527475	94.33%	5.302%
4	6.257	6.225	6.318	BB	334966	3263306	87.27%	4.905%
5	6.867	6.828	6.965	BB	341243	3403834	91.03%	5.116%
6	8.045	8.008	8.108	BB	304428	3236232	86.55%	4.864%
7	9.639	9.598	9.715	BB	299027	3360378	89.87%	5.051%
8	11.076	11.051	11.145	BB	284241	3339346	89.30%	5.019%
9	11.380	11.335	11.455	BB	337415	3739317	100.00%	5.620%
10	12.381	12.338	12.448	BB	269596	3235473	86.53%	4.863%
11	12.822	12.778	12.891	BB	225420	2783813	74.45%	4.184%
12	12.991	12.955	13.061	BB	259054	3156843	84.42%	4.745%
13	13.577	13.511	13.638	BB	255501	3135672	83.86%	4.713%
14	14.677	14.611	14.745	BB	246518	3092730	82.71%	4.649%
15	15.696	15.625	15.761	BB	221174	3013961	80.60%	4.530%
16	16.643	16.601	16.700	BBA	221384	2989871	79.96%	4.494%
17	17.529	17.475	17.595	BB	229034	3156631	84.42%	4.745%
18	18.360	18.311	18.431	BB	210491	3057917	81.78%	4.596%
19	19.142	19.101	19.201	BB	178388	2610578	69.81%	3.924%
20	19.879	19.825	19.921	BB	149095	2180417	58.31%	3.277%
21	20.588	20.551	20.648	BB	118584	1983203	53.04%	2.981%
22	21.434	21.378	21.518	BB	82353	1894847	50.67%	2.848%
			Sum of corrected areas:			66529971		

Aliphatic EPH 032625.M Wed Apr 02 03:30:39 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068484.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 01:23
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 03:02:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	n-Nonane (C9)	159.943	156.986	E3	1.8	95	0.00
2	T	n-Decane (C10)	162.107	161.420	E3	0.4	96	0.00
3	T	A~Naphthalene (C11.7)	176.677	176.374	E3	0.2	95	0.00
4	T	n-Dodecane (C12)	164.908	163.165	E3	1.1	95	0.00
5	T	A~2-methylnaphthalene (C12.	170.095	170.192	E3	-0.1	95	0.00
6	T	n-Tetradecane (C14)	164.537	161.812	E3	1.7	94	0.00
7	T	n-Hexadecane (C16)	171.851	168.019	E3	2.2	94	0.00
8	T	n-Octadecane (C18)	175.526	166.967	E3	4.9	91	0.00
9	S	ortho-Terphenyl (SURR)	198.629	186.966	E3	5.9	90	0.00
10	T	n-Eicosane (C20)	171.265	161.774	E3	5.5	91	0.00
11	T	n-Heneicosane (C21)	167.740	157.842	E3	5.9	90	0.00
12	S	1-chlorooctadecane (SURR)	149.075	139.191	E3	6.6	89	0.00
13	T	n-Docosane (C22)	168.700	156.784	E3	7.1	90	0.00
14	T	n-Tetracosane (C24)	171.262	154.636	E3	9.7	89	0.00
15	T	n-Hexacosane (C26)	168.306	150.698	E3	10.5	89	0.00
16	T	n-Octacosane (C28)	167.212	149.494	E3	10.6	89	0.00
17	T	n-Tricontane (C30)	174.356	157.832	E3	9.5	90	0.00
18	T	n-Dotriacontane (C32)	167.404	152.896	E3	8.7	90	0.00
19	T	n-Tetratriacontane (C34)	147.499	130.529	E3	11.5	86	0.00
20	T	n-Hexatriacontane (C36)	122.380	109.021	E3	10.9	86	0.00
21	T	n-Octatriacontane (C38)	107.385	99.160	E3	7.7	89	0.00
22	T	n-Tetracontane (C40)	98.006	94.742	E3	3.3	92	-0.01

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FF032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015742.D**						
Aliphatic C9-C12	7590297.000	60.000	3.211	6.833	126504.950	128465.799	1.526
Aliphatic C12-C16	5306204.000	40.000	6.834	10.268	132655.100	131614.301	-0.791
Aliphatic C16-C21	8259169.000	60.000	10.269	13.634	137652.817	135374.394	-1.683
Aliphatic C21-C28	11178024.000	80.000	13.635	17.200	139725.300	132278.233	-5.630
Aliphatic C28-C40	13103539.000	120.000	17.201	22.202	109196.158	108147.044	-0.970
Aliphatic EPH	45437233.000	360.000	3.211	22.202	126214.536	124041.354	-1.752

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Mar 2025 11:38
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015742.D	Misc:	
Instrument:	FID_F	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.211	6.833	7590297.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5306204.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.634	8259169.000	60.000	ug/ml
Aliphatic C21-C28	13.635	17.200	11178024.000	80.000	ug/ml
Aliphatic C28-C40	17.201	22.202	13103539.000	120.000	ug/ml
Aliphatic EPH	3.211	22.202	45437233.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015742.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 11:38
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 01:01:24 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)	11.936	3069756	20.149 ug/ml
Spiked Amount	50.000		Recovery =	40.30%
12) S	1-chlorooctadecane (S...	13.370	2343889	20.652 ug/ml
Spiked Amount	50.000		Recovery =	41.30%
	Target Compounds			
1) T	n-Nonane (C9)	3.311	2472055	19.517 ug/ml
2) T	n-Decane (C10)	4.567	2509850	19.545 ug/ml
3) T	A~Naphthalene (C11.7)	6.283	2496299	19.234 ug/ml
4) T	n-Dodecane (C12)	6.733	2608392	20.015 ug/ml
5) T	A~2-methylnaphthalene...	7.386	2211272	18.660 ug/ml
6) T	n-Tetradecane (C14)	8.561	2608412	20.141 ug/ml
7) T	n-Hexadecane (C16)	10.168	2697792	20.174 ug/ml
8) T	n-Octadecane (C18)	11.611	2780033	20.189 ug/ml
10) T	n-Eicosane (C20)	12.922	2749695	20.402 ug/ml
11) T	n-Heneicosane (C21)	13.534	2729441	20.423 ug/ml
13) T	n-Docosane (C22)	14.122	2775660	20.742 ug/ml
14) T	n-Tetracosane (C24)	15.225	2813034	21.013 ug/ml
15) T	n-Hexacosane (C26)	16.248	2801023	21.416 ug/ml
16) T	n-Octacosane (C28)	17.199	2788307	21.345 ug/mlm
17) T	n-Tricontane (C30)	18.086	2887267	21.411 ug/ml
18) T	n-Dotriacontane (C32)	18.919	2797325	21.451 ug/ml
19) T	n-Tetratriacontane (C34)	19.703	2439524	20.899 ug/ml
20) T	n-Hexatriacontane (C36)	20.444	2020973	20.359 ug/ml
21) T	n-Octatriacontane (C38)	21.182	1584962	18.140 ug/ml
22) T	n-Tetracontane (C40)	22.102	1373488	17.114 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

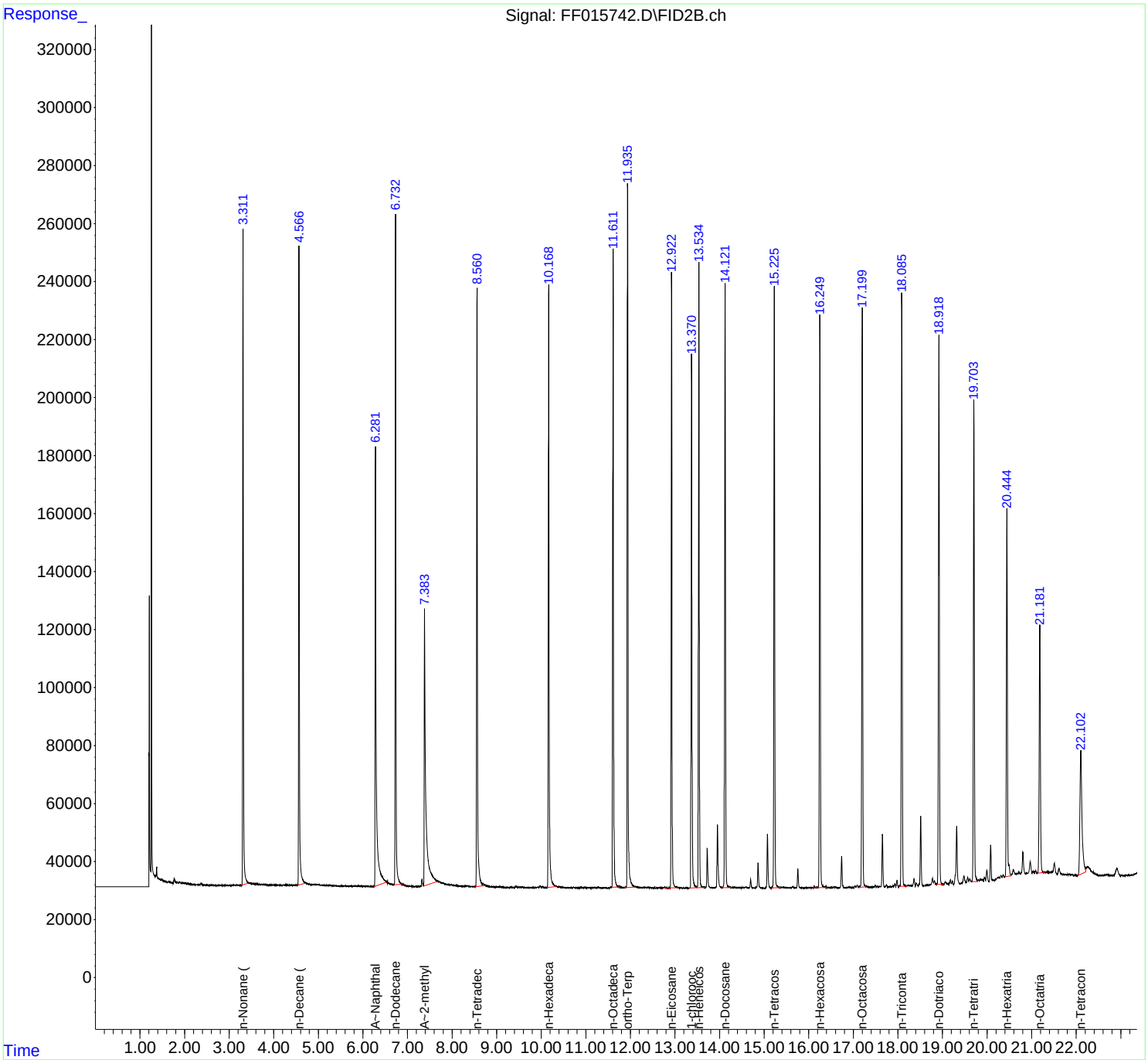
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015742.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 11:38
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

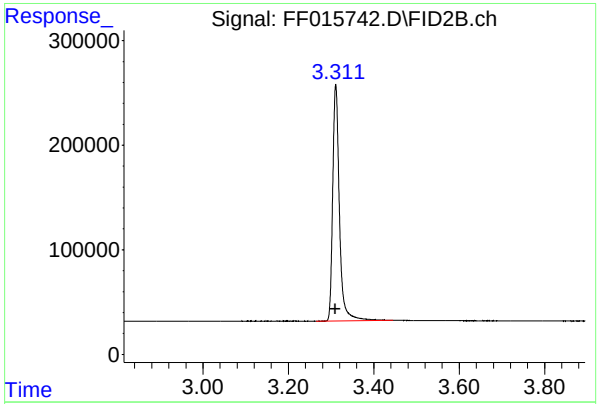
Integration File: autoint1.e
Quant Time: Mar 29 01:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





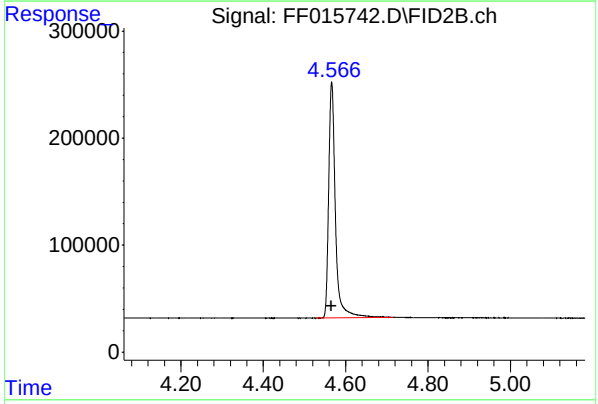
#1 n-Nonane (C9)

R.T.: 3.311 min
Delta R.T.: 0.001 min
Response: 2472055
Conc: 19.52 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

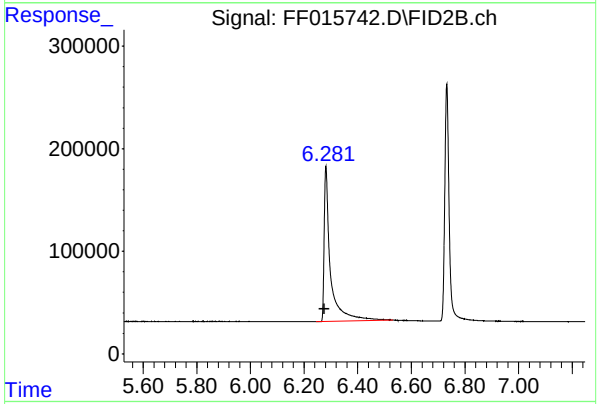
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



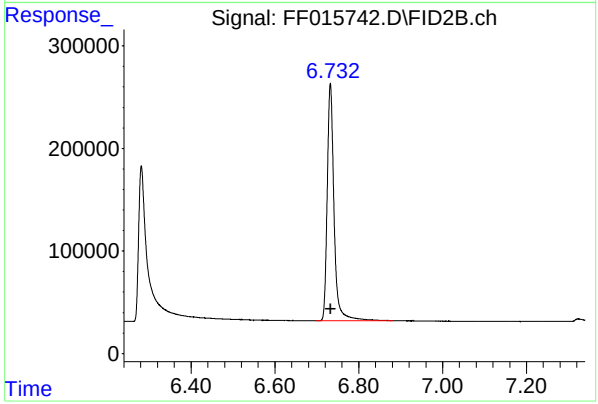
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 2509850
Conc: 19.54 ug/ml



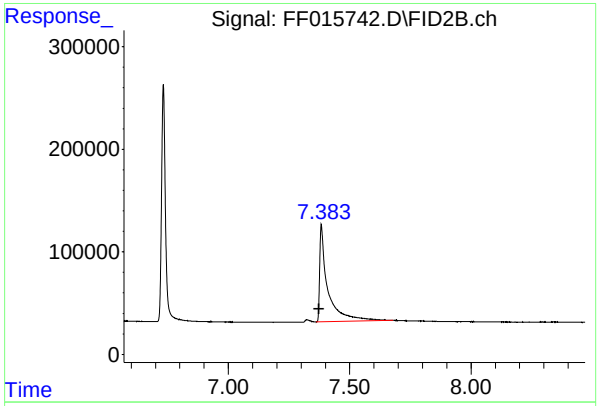
#3 A~Naphthalene (C11.7)

R.T.: 6.283 min
Delta R.T.: 0.007 min
Response: 2496299
Conc: 19.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2608392
Conc: 20.02 ug/ml



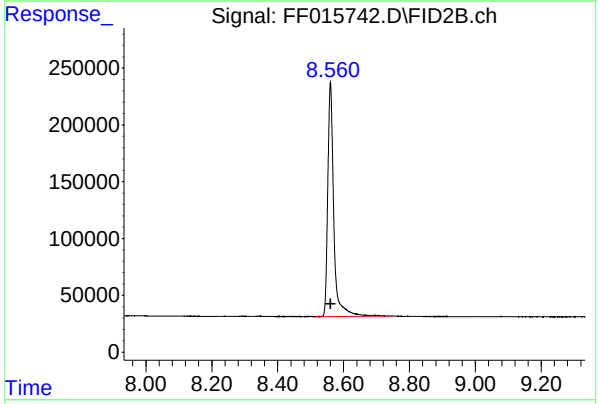
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.386 min
Delta R.T.: 0.012 min
Response: 2211272
Conc: 18.66 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

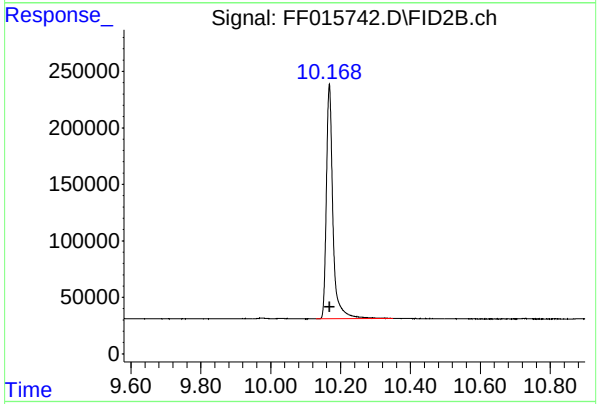
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



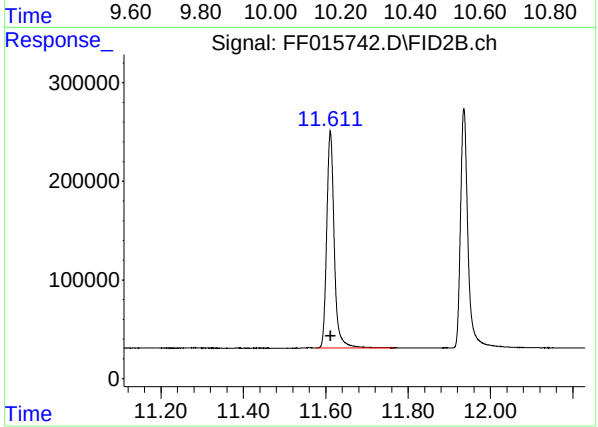
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 2608412
Conc: 20.14 ug/ml



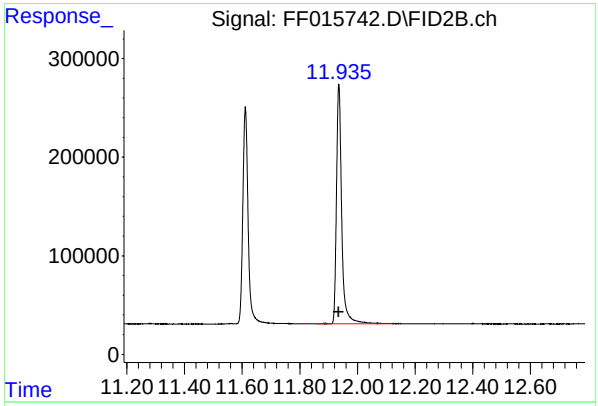
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2697792
Conc: 20.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 2780033
Conc: 20.19 ug/ml



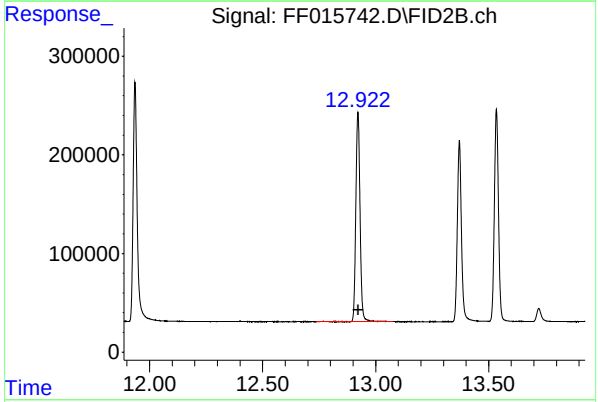
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: 0.000 min
Response: 3069756
Conc: 20.15 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

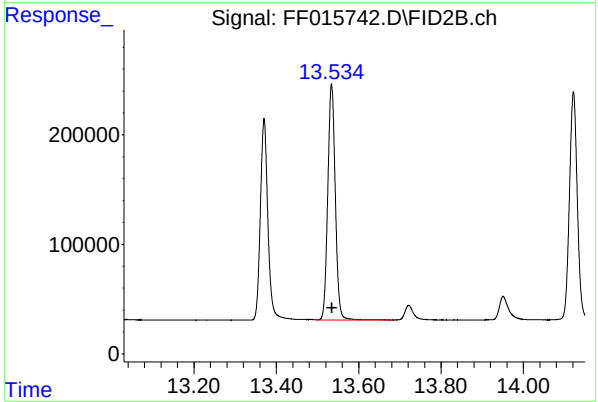
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



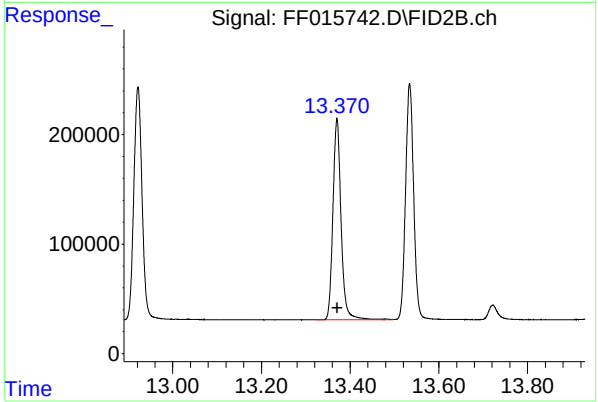
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: -0.001 min
Response: 2749695
Conc: 20.40 ug/ml



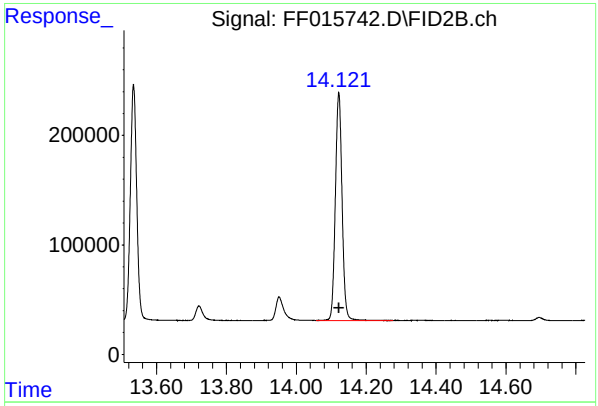
#11 n-Heneicosane (C21)

R.T.: 13.534 min
Delta R.T.: -0.001 min
Response: 2729441
Conc: 20.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 2343889
Conc: 20.65 ug/ml



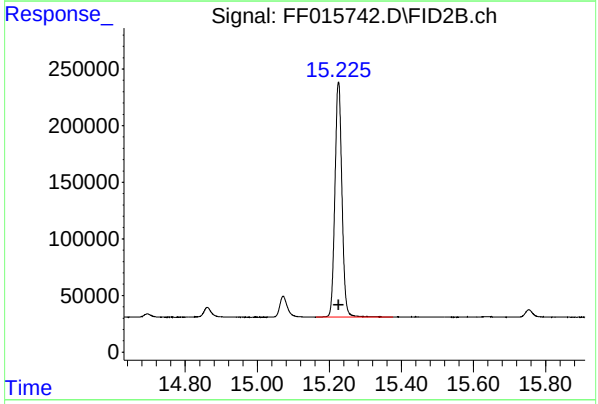
#13 n-Docosane (C22)

R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2775660
Conc: 20.74 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

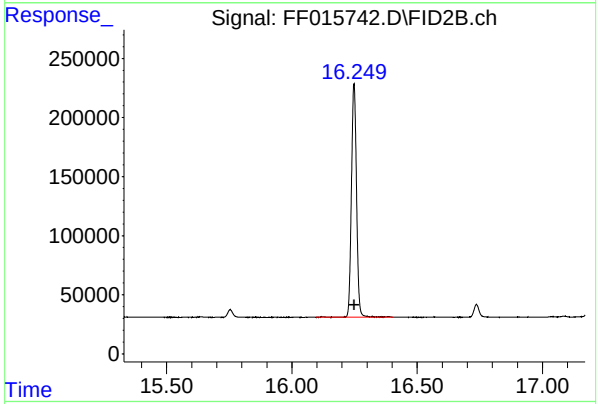
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



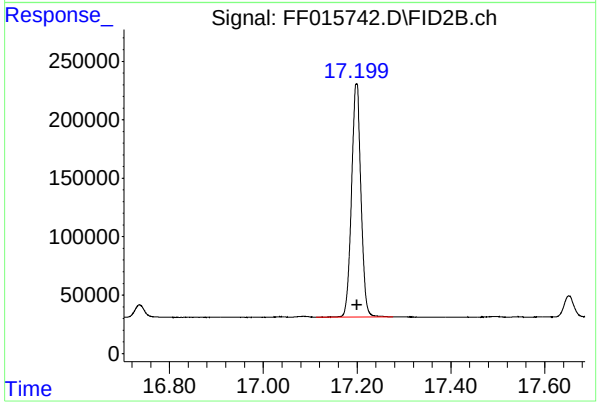
#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: -0.001 min
Response: 2813034
Conc: 21.01 ug/ml



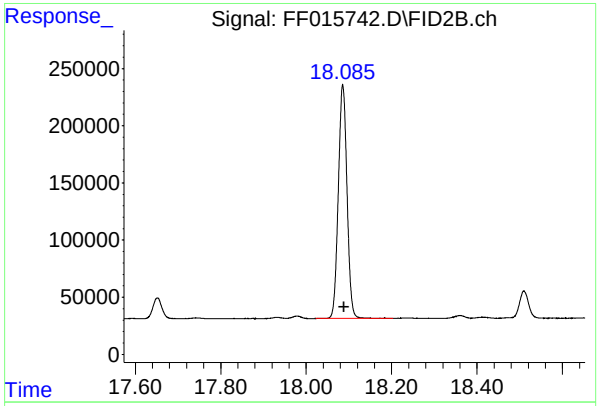
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.002 min
Response: 2801023
Conc: 21.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 2788307
Conc: 21.34 ug/ml m



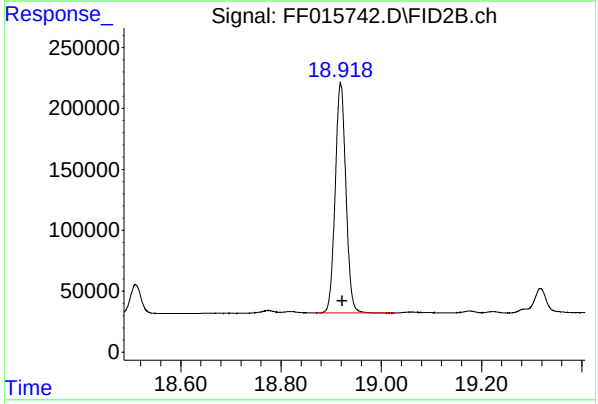
#17 n-Tricontane (C30)

R.T.: 18.086 min
Delta R.T.: -0.003 min
Response: 2887267
Conc: 21.41 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

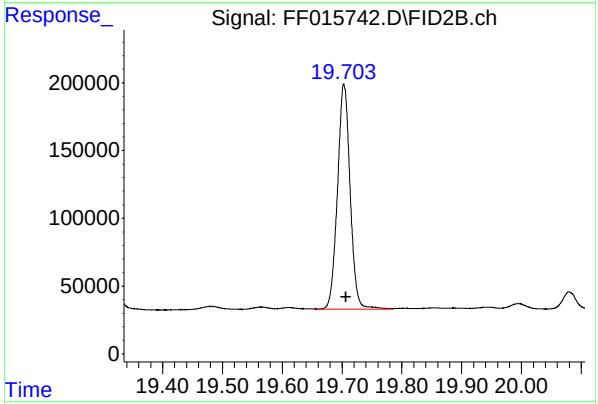
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



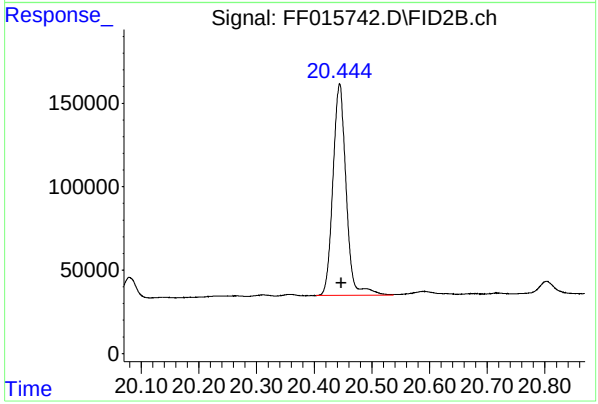
#18 n-Dotriacontane (C32)

R.T.: 18.919 min
Delta R.T.: -0.003 min
Response: 2797325
Conc: 21.45 ug/ml



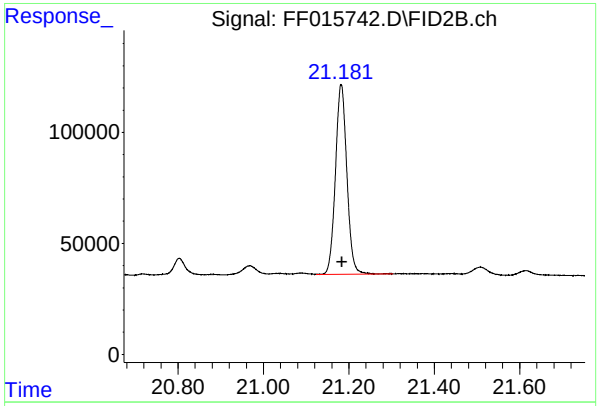
#19 n-Tetratriacontane (C34)

R.T.: 19.703 min
Delta R.T.: -0.003 min
Response: 2439524
Conc: 20.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.444 min
Delta R.T.: -0.004 min
Response: 2020973
Conc: 20.36 ug/ml



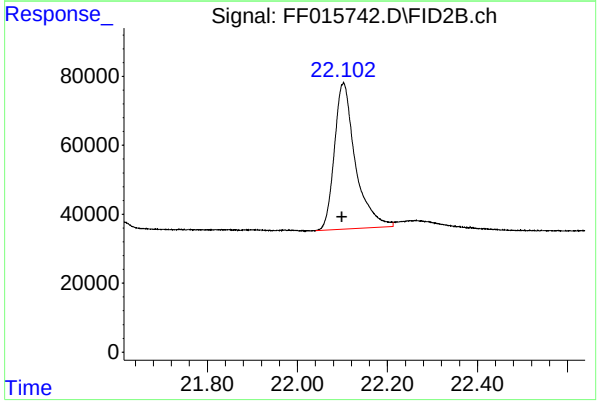
#21 n-Octatriacontane (C38)

R.T.: 21.182 min
Delta R.T.: -0.002 mi
Response: 1584962
Conc: 18.14 ug/m

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#22 n-Tetracontane (C40)

R.T.: 22.102 min
Delta R.T.: 0.003 min
Response: 1373488
Conc: 17.11 ug/ml m

Instrument :
FID_F
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03282
Data File : FF015742.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 11:38
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 12 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	3.265	3.445	BB	225401	2472055	80.53%	4.452%
2	4.567	4.528	4.715	BB	216390	2509850	81.76%	4.521%
3	6.283	6.245	6.532	BB	148787	2496299	81.32%	4.496%
4	6.733	6.698	6.882	BB	230386	2608392	84.97%	4.698%
5	7.386	7.362	7.678	PB	89556	2211272	72.03%	3.983%
6	8.561	8.517	8.750	BB	194930	2608412	84.97%	4.698%
7	10.168	10.130	10.350	BB	201674	2697792	87.88%	4.859%
8	11.611	11.577	11.763	BB	216413	2780033	90.56%	5.007%
9	11.936	11.857	12.123	BB	239729	3069756	100.00%	5.529%
10	12.922	12.737	13.077	BB	210834	2749695	89.57%	4.953%
11	13.370	13.323	13.497	BV	181495	2343889	76.35%	4.222%
12	13.534	13.497	13.683	VB	211465	2729441	88.91%	4.916%
13	14.122	14.057	14.277	VB	206233	2775660	90.42%	4.999%
14	15.225	15.163	15.377	VB	205832	2813034	91.64%	5.067%
15	16.248	16.097	16.403	BB	196196	2801023	91.25%	5.045%
16	17.198	17.003	17.343	BB	198347	2826353	92.07%	5.091%
17	18.086	18.023	18.203	BB	201145	2887267	94.06%	5.200%
18	18.919	18.870	19.023	BV	187102	2797325	91.13%	5.038%
19	19.703	19.657	19.785	BV	165952	2439524	79.47%	4.394%
20	20.444	20.403	20.537	BV	126020	2020973	65.83%	3.640%
21	21.182	21.123	21.303	BB	85446	1584962	51.63%	2.855%
22	22.102	22.023	22.217	BV	41803	1298047	42.29%	2.338%
			Sum of corrected areas:			55521054		

Aliphatic EPH 031725.M Sat Mar 29 01:54:00 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015742.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 11:38
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_F
LabSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 01:01:24 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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	n-Nonane (C9)	126.662	123.603	E3	2.4	94	0.00
2	T	n-Decane (C10)	128.417	125.492	E3	2.3	93	0.00
3	T	A~Naphthalene (C11.7)	129.786	124.815	E3	3.8	89	0.00
4	T	n-Dodecane (C12)	130.319	130.420	E3	-0.1	96	0.00
5	T	A~2-methylnaphthalene (C12.	118.503	110.564	E3	6.7	85	0.01
6	T	n-Tetradecane (C14)	129.505	130.421	E3	-0.7	95	0.00
7	T	n-Hexadecane (C16)	133.724	134.890	E3	-0.9	95	0.00
8	T	n-Octadecane (C18)	137.704	139.002	E3	-0.9	96	0.00
9	S	ortho-Terphenyl (SURR)	152.355	153.488	E3	-0.7	96	0.00
10	T	n-Eicosane (C20)	134.773	137.485	E3	-2.0	97	0.00
11	T	n-Heneicosane (C21)	133.646	136.472	E3	-2.1	97	0.00
12	S	1-chlorooctadecane (SURR)	113.493	117.194	E3	-3.3	98	0.00
13	T	n-Docosane (C22)	133.818	138.783	E3	-3.7	98	0.00
14	T	n-Tetracosane (C24)	133.874	140.652	E3	-5.1	100	0.00
15	T	n-Hexacosane (C26)	130.789	140.051	E3	-7.1	101	0.00
16	T	n-Octacosane (C28)	130.632	139.415	E3	-6.7	101	0.00
17	T	n-Tricontane (C30)	134.852	144.363	E3	-7.1	101	0.00
18	T	n-Dotriacontane (C32)	130.403	139.866	E3	-7.3	101	0.00
19	T	n-Tetratriacontane (C34)	116.732	121.976	E3	-4.5	98	0.00
20	T	n-Hexatriacontane (C36)	99.269	101.049	E3	-1.8	96	0.00
21	T	n-Octatriacontane (C38)	87.372	79.248	E3	9.3	85	0.00
22	T	n-Tetracontane (C40)	80.254	68.674	E3	14.4	80	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FF032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015752.D**						
Aliphatic C9-C12	7088622.000	60.000	3.211	6.833	118143.700	128465.799	8.035
Aliphatic C12-C16	4911388.000	40.000	6.834	10.268	122784.700	131614.301	6.709
Aliphatic C16-C21	7679869.000	60.000	10.269	13.634	127997.817	135374.394	5.449
Aliphatic C21-C28	10007110.000	80.000	13.635	17.200	125088.875	132278.233	5.435
Aliphatic C28-C40	11793922.000	120.000	17.201	22.202	98282.683	108147.044	9.121
Aliphatic EPH	41480911.000	360.000	3.211	22.202	115224.753	124041.354	7.108

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Mar 2025 21:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015752.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.211	6.833	7088622.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	4911388.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.634	7679869.000	60.000	ug/ml
Aliphatic C21-C28	13.635	17.200	10007110.000	80.000	ug/ml
Aliphatic C28-C40	17.201	22.202	11793922.000	120.000	ug/ml
Aliphatic EPH	3.211	22.202	41480911.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015752.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 21:23
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

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 01:04:07 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	2815033	18.477 ug/ml
Spiked Amount	50.000		Recovery =	36.95%
12) S	1-chlorooctadecane (S...	13.372	2144922	18.899 ug/ml
Spiked Amount	50.000		Recovery =	37.80%
	Target Compounds			
1) T	n-Nonane (C9)	3.312	2309322	18.232 ug/ml
2) T	n-Decane (C10)	4.568	2349157	18.293 ug/ml
3) T	A~Naphthalene (C11.7)	6.284	2274992	17.529 ug/ml
4) T	n-Dodecane (C12)	6.734	2430143	18.648 ug/ml
5) T	A~2-methylnaphthalene...	7.387	1966251	16.592 ug/ml
6) T	n-Tetradecane (C14)	8.562	2410033	18.610 ug/ml
7) T	n-Hexadecane (C16)	10.169	2501355	18.705 ug/ml
8) T	n-Octadecane (C18)	11.612	2591124	18.817 ug/ml
10) T	n-Eicosane (C20)	12.923	2552579	18.940 ug/ml
11) T	n-Heneicosane (C21)	13.535	2536166	18.977 ug/ml
13) T	n-Docosane (C22)	14.123	2529514	18.903 ug/ml
14) T	n-Tetracosane (C24)	15.227	2527219	18.878 ug/ml
15) T	n-Hexacosane (C26)	16.248	2486811	19.014 ug/ml
16) T	n-Octacosane (C28)	17.199	2463566	18.859 ug/ml
17) T	n-Tricontane (C30)	18.087	2521536	18.699 ug/ml
18) T	n-Dotriacontane (C32)	18.920	2421499	18.569 ug/ml
19) T	n-Tetratriacontane (C34)	19.704	2089002	17.896 ug/ml
20) T	n-Hexatriacontane (C36)	20.445	1778639	17.917 ug/ml
21) T	n-Octatriacontane (C38)	21.182	1594751	18.252 ug/ml
22) T	n-Tetracontane (C40)	22.099	1388495	17.301 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

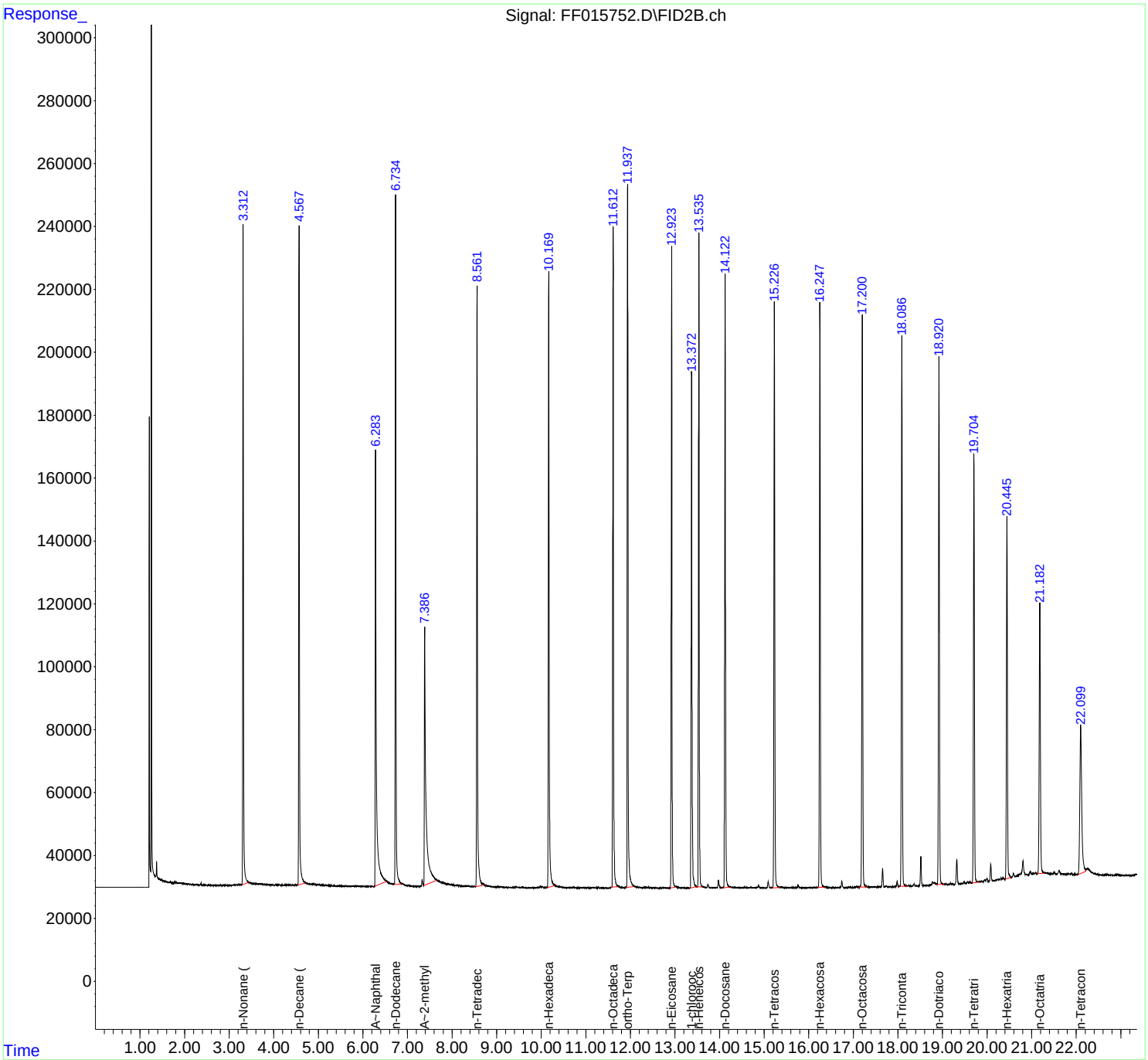
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015752.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 21:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

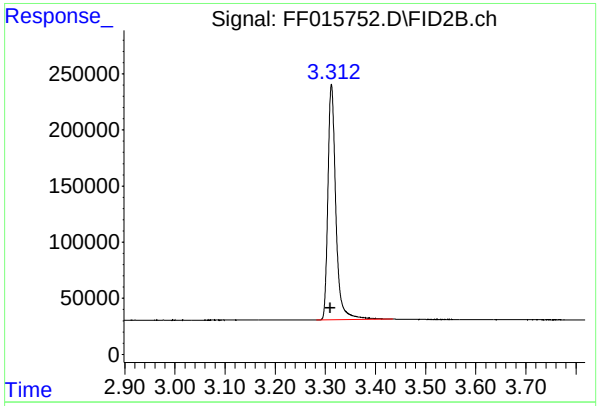
Integration File: autoint1.e
Quant Time: Mar 29 01:04:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





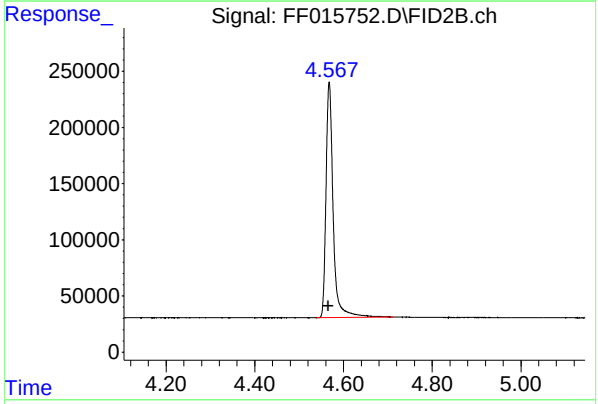
#1 n-Nonane (C9)

R.T.: 3.312 min
Delta R.T.: 0.002 min
Response: 2309322
Conc: 18.23 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

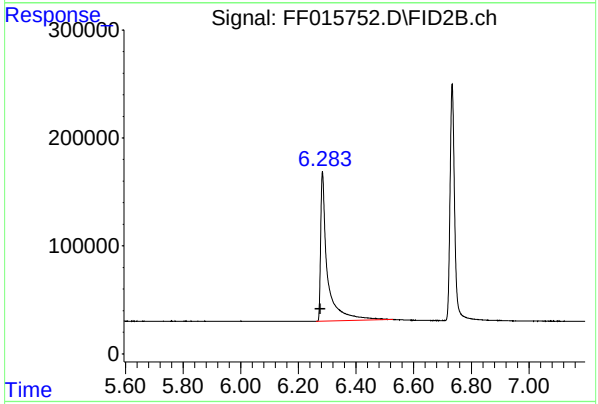
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



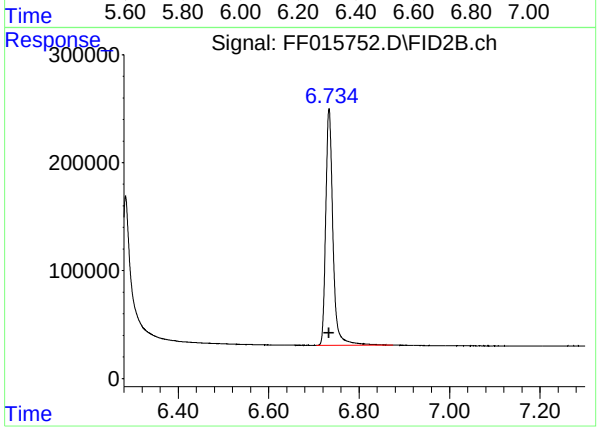
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.002 min
Response: 2349157
Conc: 18.29 ug/ml



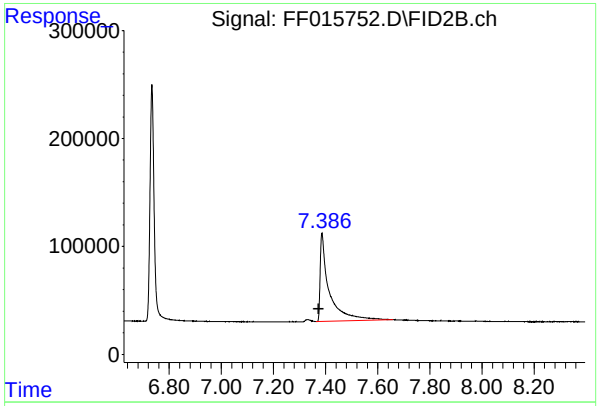
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: 0.008 min
Response: 2274992
Conc: 17.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 2430143
Conc: 18.65 ug/ml



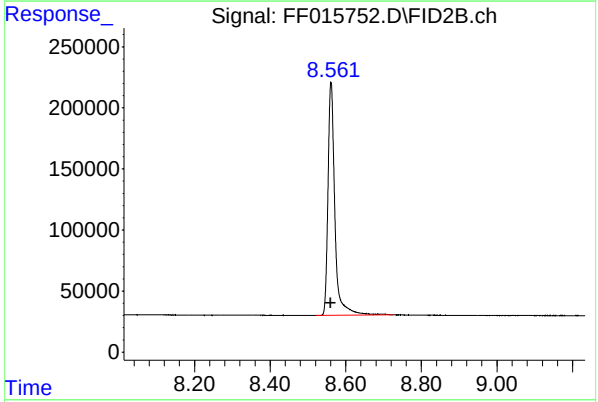
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.387 min
Delta R.T.: 0.013 min
Response: 1966251
Conc: 16.59 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

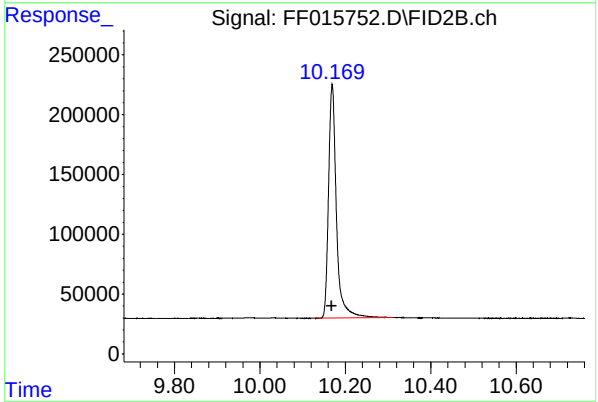
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



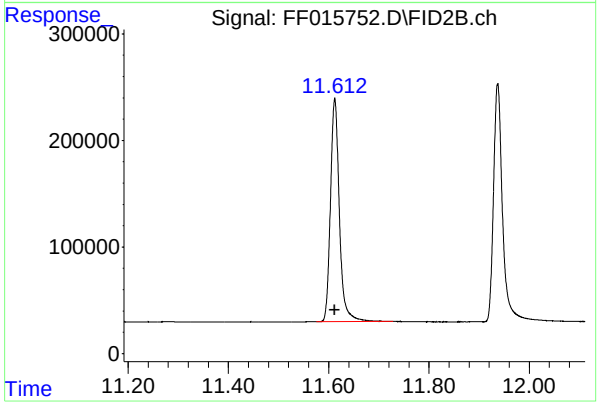
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.001 min
Response: 2410033
Conc: 18.61 ug/ml



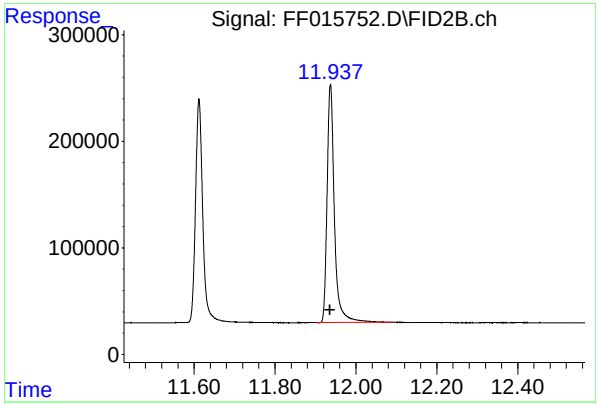
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 2501355
Conc: 18.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2591124
Conc: 18.82 ug/ml



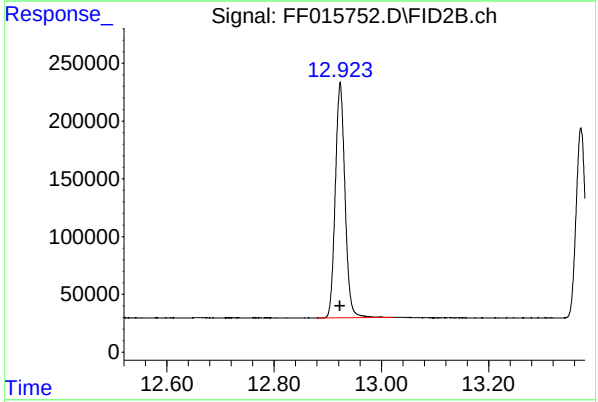
#9 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: 0.002 min
Response: 2815033
Conc: 18.48 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

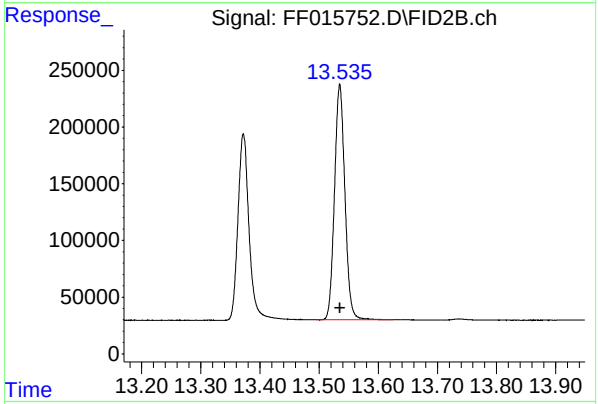
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



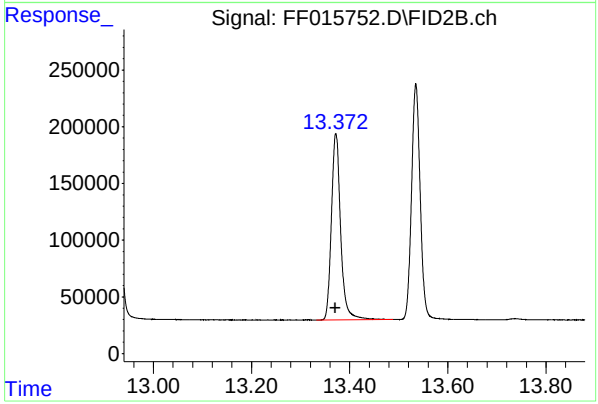
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.000 min
Response: 2552579
Conc: 18.94 ug/ml



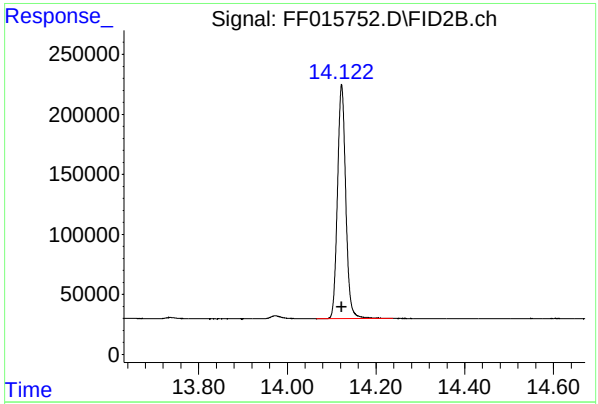
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2536166
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 2144922
Conc: 18.90 ug/ml



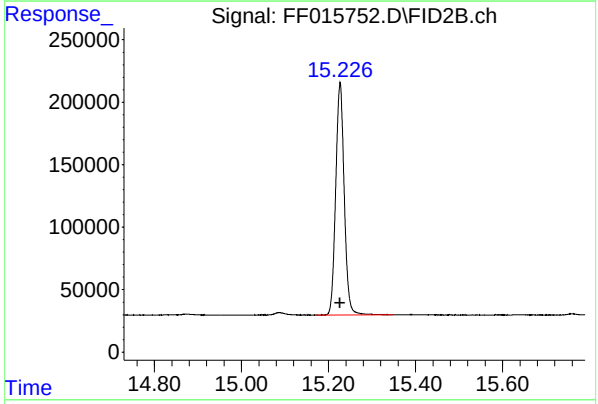
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 2529514
Conc: 18.90 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

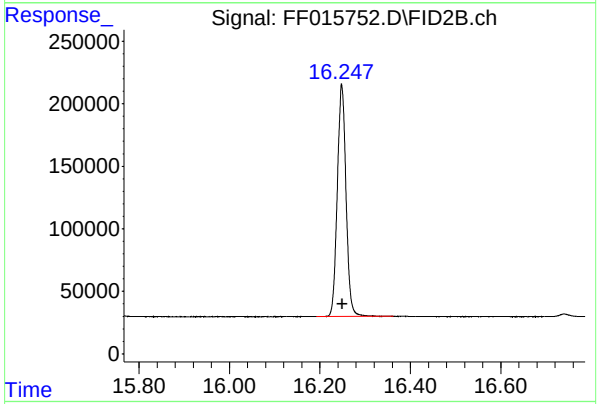
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



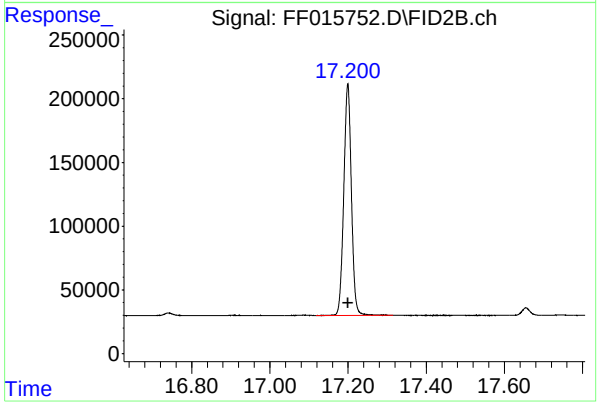
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2527219
Conc: 18.88 ug/ml



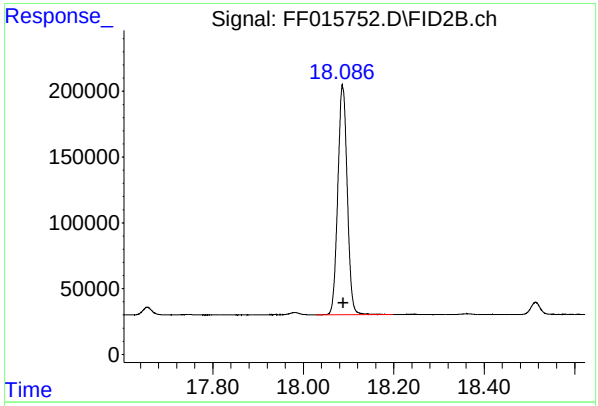
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.001 min
Response: 2486811
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 2463566
Conc: 18.86 ug/ml



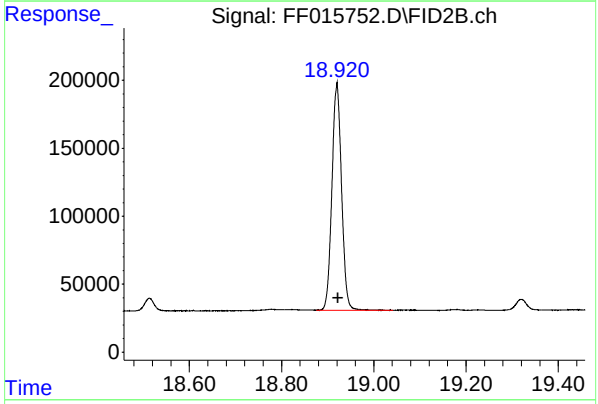
#17 n-Tricontane (C30)

R.T.: 18.087 min
Delta R.T.: -0.002 min
Response: 2521536
Conc: 18.70 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

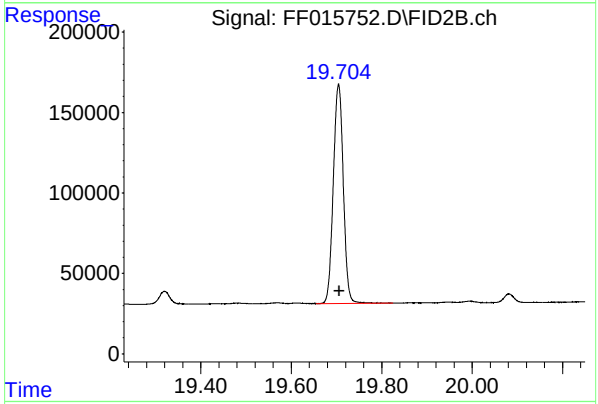
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



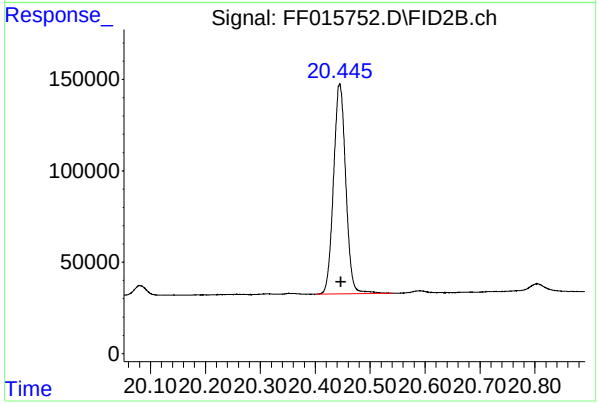
#18 n-Dotriacontane (C32)

R.T.: 18.920 min
Delta R.T.: -0.002 min
Response: 2421499
Conc: 18.57 ug/ml



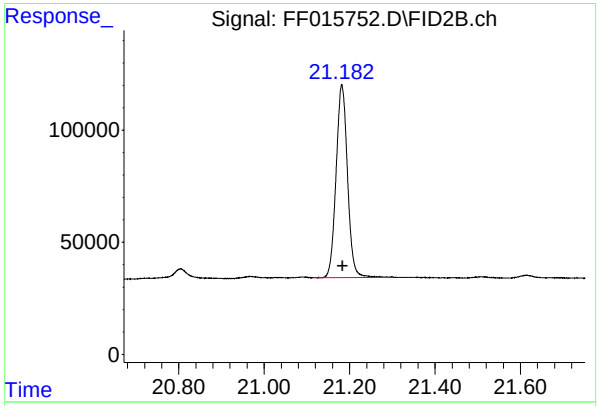
#19 n-Tetratriacontane (C34)

R.T.: 19.704 min
Delta R.T.: -0.002 min
Response: 2089002
Conc: 17.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.445 min
Delta R.T.: -0.003 min
Response: 1778639
Conc: 17.92 ug/ml



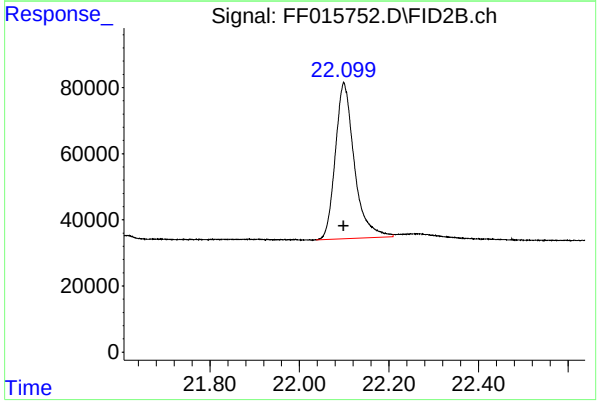
#21 n-Octatriacontane (C38)

R.T.: 21.182 min
Delta R.T.: -0.002 mi
Response: 1594751
Conc: 18.25 ug/m

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1388495
Conc: 17.30 ug/ml m

Instrument :
FID_F
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03282
Data File : FF015752.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 21:23
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	3.312	3.282	3.435	BB	209850	2309322	82.04%	4.560%
2	4.568	4.538	4.712	BB	208919	2349157	83.45%	4.639%
3	6.284	6.262	6.528	BB	136181	2274992	80.82%	4.492%
4	6.734	6.705	6.875	BB	217602	2430143	86.33%	4.799%
5	7.387	7.363	7.658	PB	79997	1966251	69.85%	3.883%
6	8.562	8.522	8.725	BB	189950	2410033	85.61%	4.759%
7	10.169	10.132	10.312	BB	194403	2501355	88.86%	4.939%
8	11.612	11.575	11.728	BB	209017	2591124	92.05%	5.116%
9	11.937	11.902	12.092	BB	222496	2815033	100.00%	5.559%
10	12.923	12.878	13.022	BB	201652	2552579	90.68%	5.040%
11	13.372	13.332	13.488	BB	164420	2144922	76.20%	4.235%
12	13.535	13.495	13.625	BB	206998	2536166	90.09%	5.008%
13	14.123	14.065	14.238	BB	194152	2529514	89.86%	4.995%
14	15.227	15.172	15.348	BB	186694	2527219	89.78%	4.990%
15	16.248	16.192	16.362	BB	185721	2486811	88.34%	4.910%
16	17.199	17.118	17.315	BB	181027	2463566	87.51%	4.865%
17	18.087	18.028	18.198	BB	173018	2521536	89.57%	4.979%
18	18.920	18.875	19.042	BB	165108	2421499	86.02%	4.781%
19	19.704	19.655	19.825	BB	136243	2089002	74.21%	4.125%
20	20.445	20.402	20.542	BB	114755	1778639	63.18%	3.512%
21	21.182	21.122	21.302	BB	85854	1594751	56.65%	3.149%
22	22.100	22.022	22.215	BB	46845	1349832	47.95%	2.665%
			Sum of corrected areas:			50643444		

Aliphatic EPH 031725.M Sat Mar 29 02:00:01 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015752.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 21:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_F
LabSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 01:04:07 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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	n-Nonane (C9)	126.662	115.466	E3	8.8	87	0.00
2	T	n-Decane (C10)	128.417	117.458	E3	8.5	87	0.00
3	T	A~Naphthalene (C11.7)	129.786	113.750	E3	12.4	82	0.00
4	T	n-Dodecane (C12)	130.319	121.507	E3	6.8	89	0.00
5	T	A~2-methylnaphthalene (C12.	118.503	98.313	E3	17.0	75	0.01
6	T	n-Tetradecane (C14)	129.505	120.502	E3	7.0	88	0.00
7	T	n-Hexadecane (C16)	133.724	125.068	E3	6.5	88	0.00
8	T	n-Octadecane (C18)	137.704	129.556	E3	5.9	89	0.00
9	S	ortho-Terphenyl (SURR)	152.355	140.752	E3	7.6	88	0.00
10	T	n-Eicosane (C20)	134.773	127.629	E3	5.3	90	0.00
11	T	n-Heneicosane (C21)	133.646	126.808	E3	5.1	90	0.00
12	S	1-chlorooctadecane (SURR)	113.493	107.246	E3	5.5	89	0.00
13	T	n-Docosane (C22)	133.818	126.476	E3	5.5	90	0.00
14	T	n-Tetracosane (C24)	133.874	126.361	E3	5.6	89	0.00
15	T	n-Hexacosane (C26)	130.789	124.341	E3	4.9	90	0.00
16	T	n-Octacosane (C28)	130.632	123.178	E3	5.7	89	0.00
17	T	n-Tricontane (C30)	134.852	126.077	E3	6.5	88	0.00
18	T	n-Dotriacontane (C32)	130.403	121.075	E3	7.2	87	0.00
19	T	n-Tetratriacontane (C34)	116.732	104.450	E3	10.5	84	0.00
20	T	n-Hexatriacontane (C36)	99.269	88.932	E3	10.4	84	0.00
21	T	n-Octatriacontane (C38)	87.372	79.738	E3	8.7	85	0.00
22	T	n-Tetracontane (C40)	80.254	69.425	E3	13.5	81	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FG032825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015572.D**						
Aromatic C10-C12	5212196.000	40.000	4.449	6.329	130304.900	133996.317	2.755
Aromatic C12-C16	8020452.000	60.000	6.330	9.039	133674.200	137151.728	2.536
Aromatic C16-C21	10337835.000	80.000	9.040	13.371	129222.938	139410.441	7.308
Aromatic C21-C36	21669615.000	180.000	13.372	18.837	120386.750	130193.774	7.533
Aromatic EPH	45240098.000	360.000	4.449	18.837	125666.939	133824.086	6.095

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Mar 2025 12:56
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015572.D	Misc:	
Instrument:	FID_G	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.449	6.329	5212196.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.039	8020452.000	60.000	ug/ml
Aromatic C16-C21	9.040	13.371	10337835.000	80.000	ug/ml
Aromatic C21-C36	13.372	18.837	21669615.000	180.000	ug/ml
Aromatic EPH	4.449	18.837	45240098.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015572.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 12:56
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 03:12:07 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...	7.961	2370617	19.407 ug/ml
Spiked Amount	50.000		Recovery =	38.81%
6) S	2-Flurobiphenyl (SURR)	8.840	1603468	19.399 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	38.80%
11) S	ortho-Terphenyl (SURR)	11.914	2788832	19.124 ug/ml
Spiked Amount	50.000		Recovery =	38.25%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.549	2588164	19.476 ug/ml
2) T	Naphthalene (C11.7)	6.229	2624032	19.422 ug/ml
3) T	2-Methylnaphthalene (...	7.332	2592791	19.437 ug/ml
5) T	Acenaphthylene (C15.06)	8.637	2737327	19.327 ug/ml
7) T	Acenaphthene (C15.5)	8.939	2690334	19.719 ug/ml
8) T	Flouorene (C16.55)	9.732	2665707	19.095 ug/ml
9) T	Phenanthrene (C19.36)	11.144	2579450	18.309 ug/ml
10) T	Anthracene (C19.43)	11.219	2500375	18.272 ug/ml
12) T	Fluoranthene (C21.85)	12.972	2602282	18.248 ug/ml
13) T	Pyrene (C20.8)	13.271	2592303	18.475 ug/ml
14) T	Benzo[a]anthracene (C...	15.159	2302617	16.977 ug/ml
15) T	Chrysene (C27.41)	15.201	2651436	18.940 ug/ml
16) T	benzo[b]fluoranthene ...	16.723	2271184	17.188 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.754	2603402	19.067 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.105	2259310	18.017 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.482	1962782	17.641 ug/ml
20) T	Dibenz[a,h]anthracene...	18.519	2691617	20.917 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.737	2324985	19.457 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

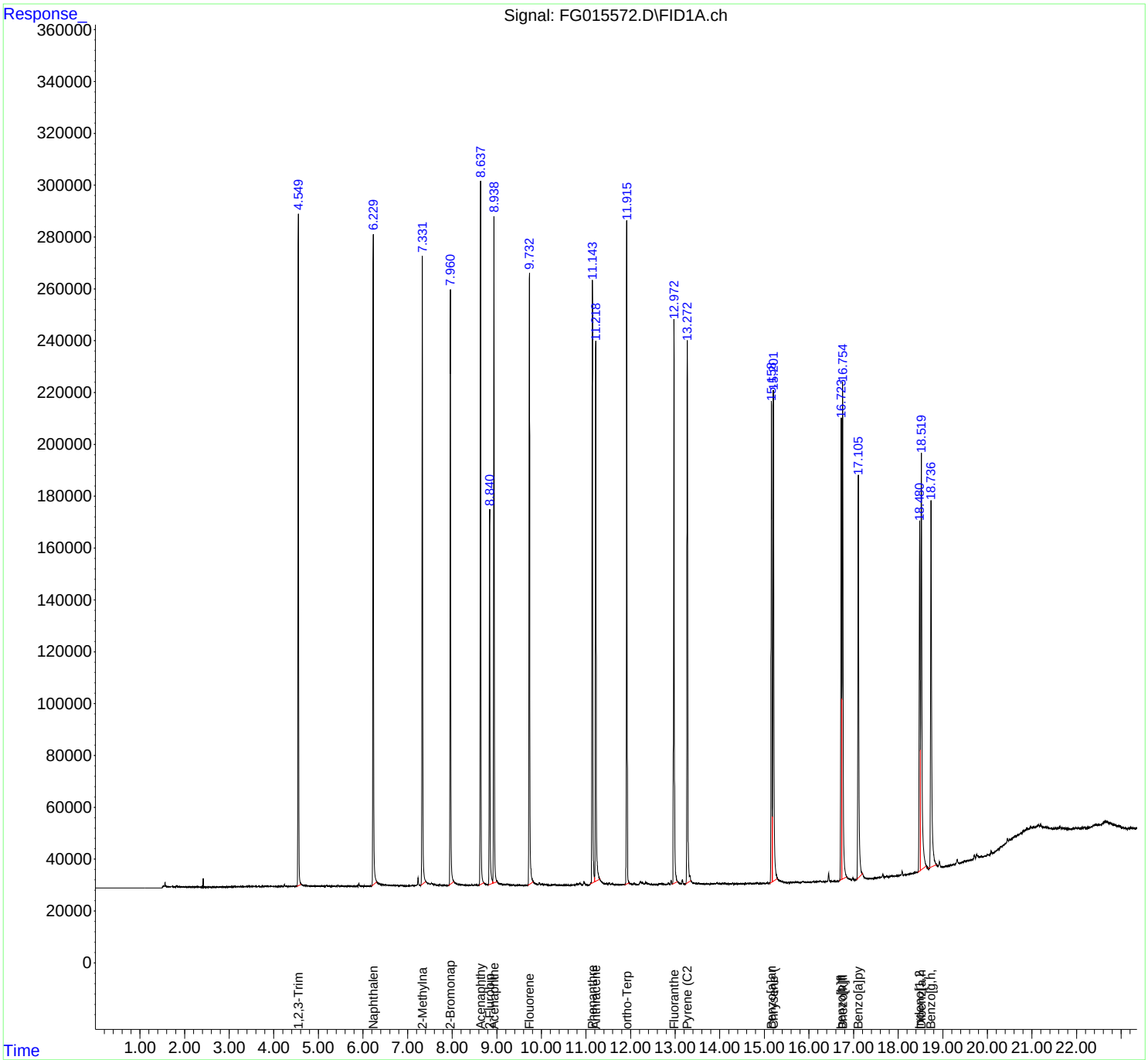
Quantitation Report (QT Reviewed)

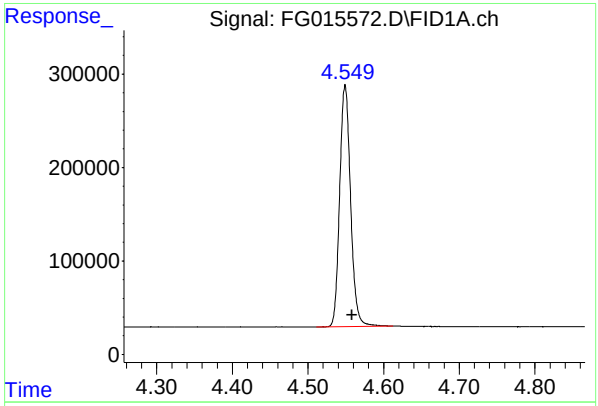
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015572.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 12:56
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 03:12:07 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

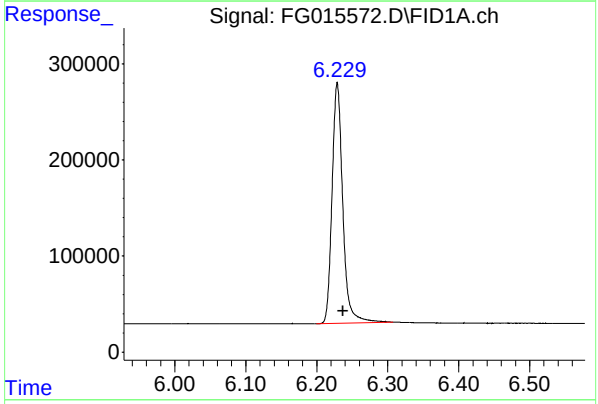




#1 1,2,3-Trimethylbenzene (C10.1)

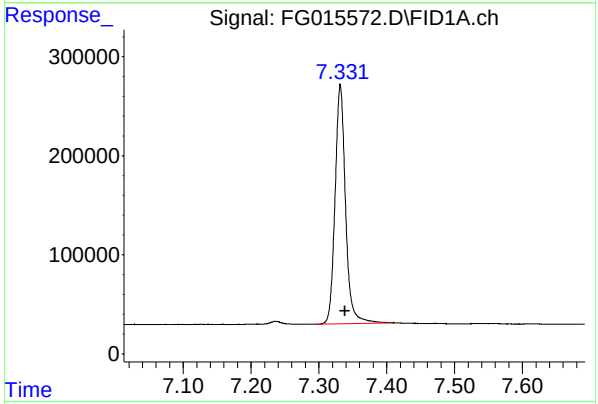
R.T.: 4.549 min
Delta R.T.: -0.009 min
Response: 2588164
Conc: 19.48 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



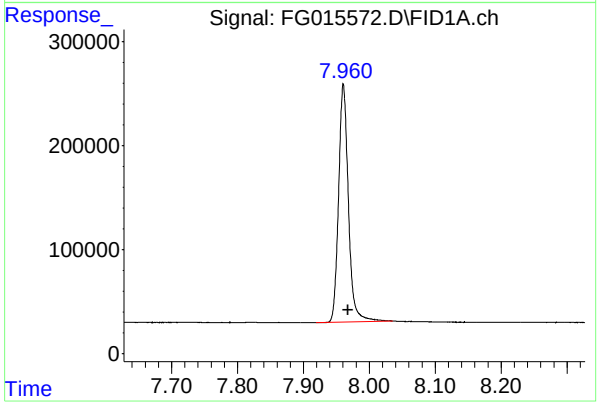
#2 Naphthalene (C11.7)

R.T.: 6.229 min
Delta R.T.: -0.008 min
Response: 2624032
Conc: 19.42 ug/ml



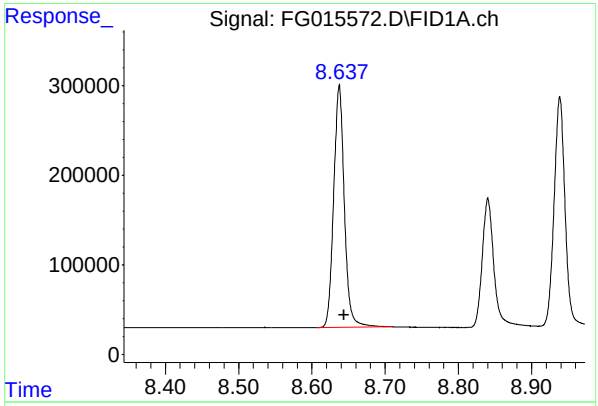
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.332 min
Delta R.T.: -0.006 min
Response: 2592791
Conc: 19.44 ug/ml



#4 2-Bromonaphthalene (SURR)

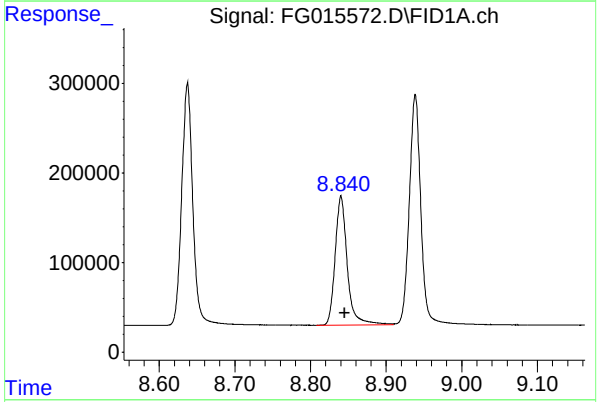
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 2370617
Conc: 19.41 ug/ml



#5 Acenaphthylene (C15.06)

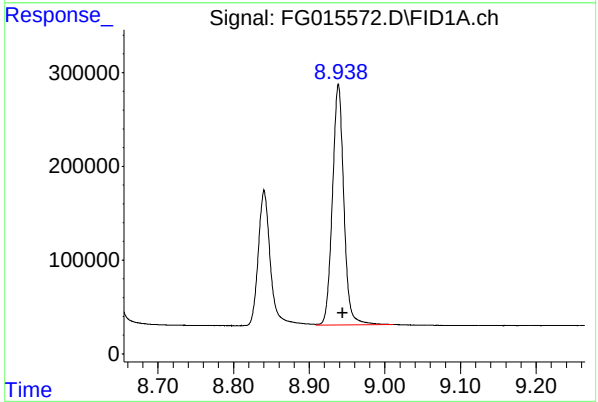
R.T.: 8.637 min
Delta R.T.: -0.006 min
Response: 2737327
Conc: 19.33 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



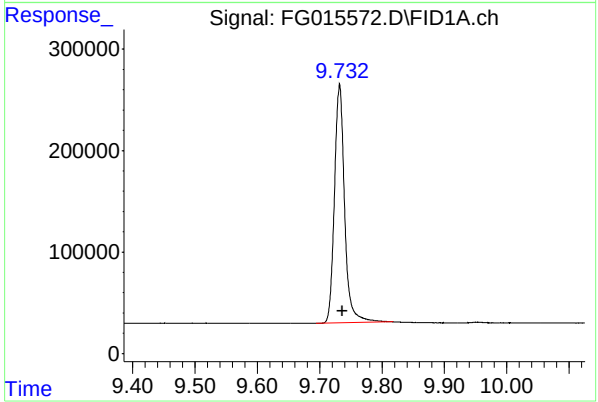
#6 2-Flurobiphenyl (SURR)

R.T.: 8.840 min
Delta R.T.: -0.005 min
Response: 1603468
Conc: 19.40 ug/ml



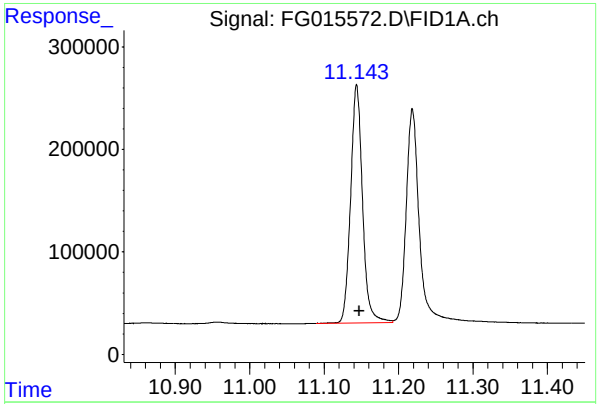
#7 Acenaphthene (C15.5)

R.T.: 8.939 min
Delta R.T.: -0.006 min
Response: 2690334
Conc: 19.72 ug/ml



#8 Flouorene (C16.55)

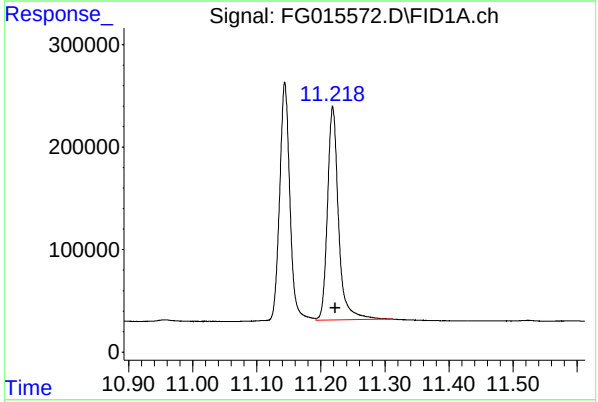
R.T.: 9.732 min
Delta R.T.: -0.005 min
Response: 2665707
Conc: 19.09 ug/ml



#9 Phenanthrene (C19.36)

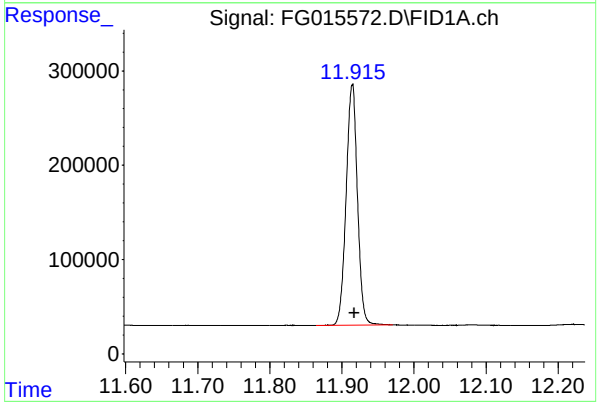
R.T.: 11.144 min
Delta R.T.: -0.003 min
Response: 2579450
Conc: 18.31 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



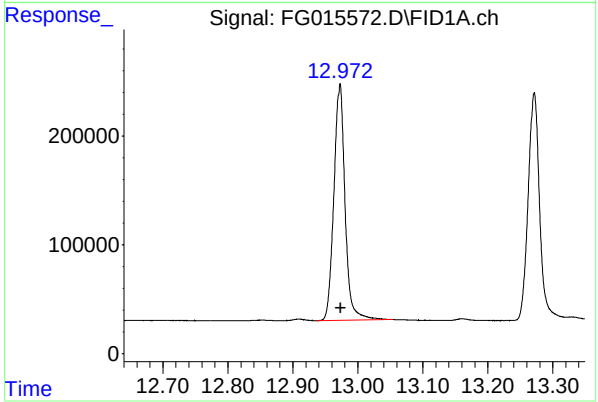
#10 Anthracene (C19.43)

R.T.: 11.219 min
Delta R.T.: -0.004 min
Response: 2500375
Conc: 18.27 ug/ml



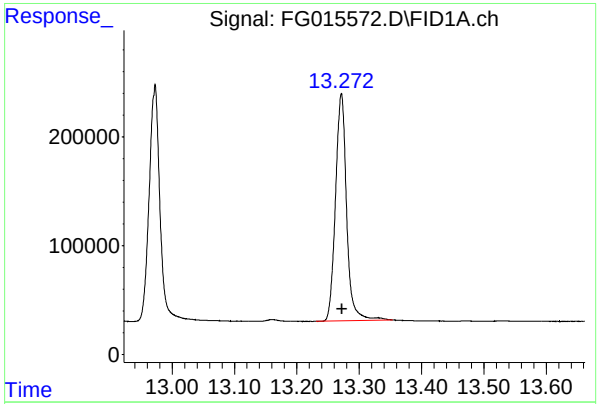
#11 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.003 min
Response: 2788832
Conc: 19.12 ug/ml



#12 Fluoranthene (C21.85)

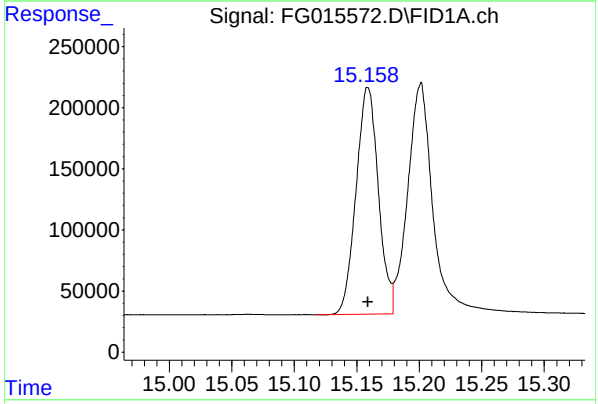
R.T.: 12.972 min
Delta R.T.: -0.002 min
Response: 2602282
Conc: 18.25 ug/ml



#13 Pyrene (C20.8)

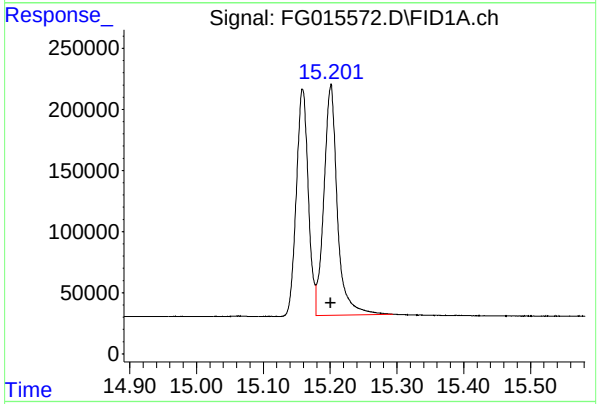
R.T.: 13.271 min
Delta R.T.: -0.001 min
Response: 2592303
Conc: 18.48 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



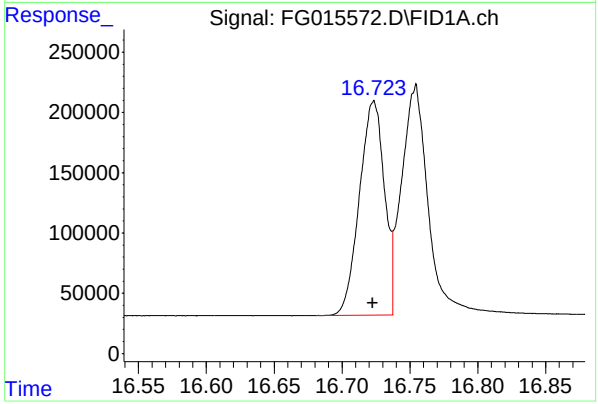
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.000 min
Response: 2302617
Conc: 16.98 ug/ml



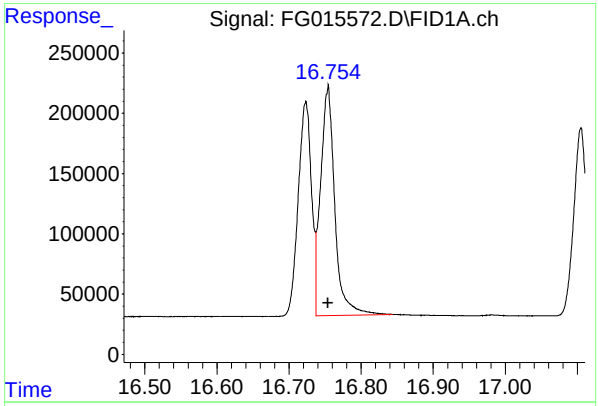
#15 Chrysene (C27.41)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2651436
Conc: 18.94 ug/ml



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

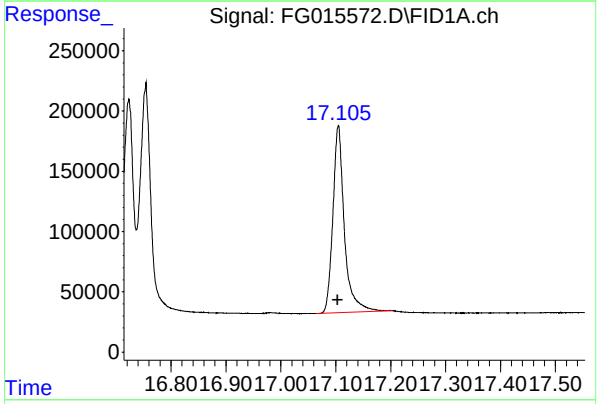
R.T.: 16.723 min
Delta R.T.: 0.000 min
Response: 2271184
Conc: 17.19 ug/ml



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

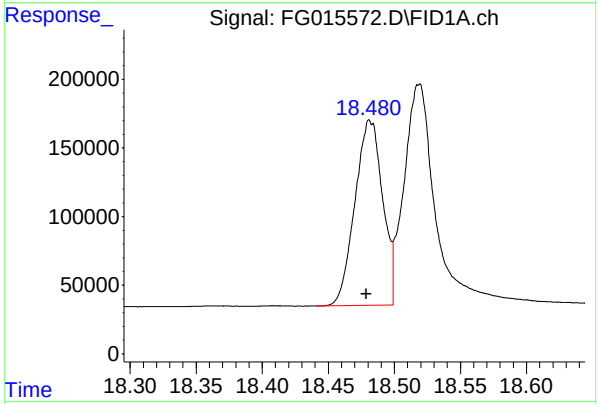
R.T.: 16.754 min
Delta R.T.: 0.000 min
Response: 2603402
Conc: 19.07 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



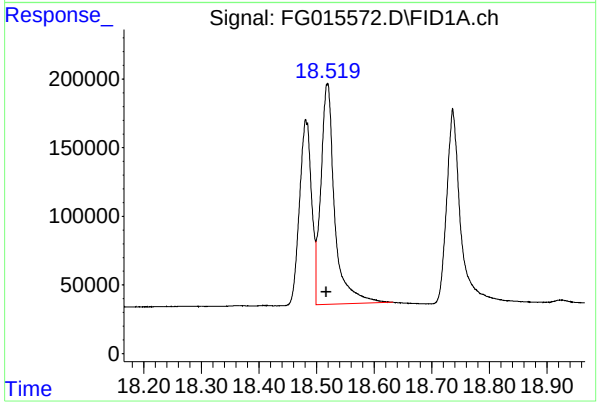
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.105 min
Delta R.T.: 0.002 min
Response: 2259310
Conc: 18.02 ug/ml



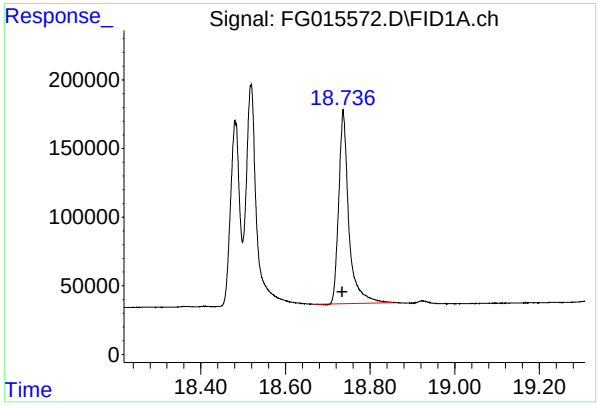
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.482 min
Delta R.T.: 0.003 min
Response: 1962782
Conc: 17.64 ug/ml



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

R.T.: 18.519 min
Delta R.T.: 0.002 min
Response: 2691617
Conc: 20.92 ug/ml



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

R.T.: 18.737 min
Delta R.T.: 0.002 mi
Response: 2324985
Conc: 19.46 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015572.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 12:56
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 63 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	4.549	4.511	4.612	BB	258070	2588164	92.80%	4.977%
2	6.229	6.199	6.307	BB	250161	2624032	94.09%	5.046%
3	7.332	7.296	7.409	BB	240684	2592791	92.97%	4.986%
4	7.961	7.919	8.036	BB	228955	2370617	85.00%	4.559%
5	8.637	8.606	8.711	BB	270297	2737327	98.15%	5.264%
6	8.840	8.807	8.909	BV	144109	1603468	57.50%	3.083%
7	8.939	8.909	9.011	VB	256962	2690334	96.47%	5.173%
8	9.732	9.694	9.817	BB	236092	2665707	95.59%	5.126%
9	11.144	11.089	11.192	BV	232368	2579450	92.49%	4.960%
10	11.219	11.192	11.312	VB	207723	2500375	89.66%	4.808%
11	11.914	11.864	11.971	BB	255459	2788832	100.00%	5.363%
12	12.972	12.936	13.054	BB	216715	2602282	93.31%	5.004%
13	13.271	13.231	13.354	BB	209139	2592303	92.95%	4.985%
14	15.159	15.117	15.179	BV	185522	2302617	82.57%	4.428%
15	15.201	15.179	15.294	VB	187972	2651436	95.07%	5.099%
16	16.723	16.681	16.737	BV	176995	2271184	81.44%	4.367%
17	16.754	16.737	16.844	VB	189480	2603402	93.35%	5.006%
18	17.105	17.064	17.204	BB	155147	2259310	81.01%	4.345%
19	18.482	18.441	18.499	BV	132679	1962782	70.38%	3.774%
20	18.519	18.499	18.632	VB	160568	2691617	96.51%	5.176%
21	18.737	18.672	18.854	BB	139277	2324985	83.37%	4.471%
			Sum of corrected areas:			52003014		

Aromatic EPH 031725.M Sat Mar 29 03:53:45 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015572.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 12:56
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 03:12:07 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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	1,2,3-Trimethylbenzene (C10	132.887	129.408	E3	2.6	98	0.00
2	T	Naphthalene (C11.7)	135.106	131.202	E3	2.9	97	0.00
3	T	2-Methylnaphthalene (C12.89	133.392	129.640	E3	2.8	96	0.00
4	S	2-Bromonaphthalene (SURR)	122.155	118.531	E3	3.0	97	0.00
5	T	Acenaphthylene (C15.06)	141.629	136.866	E3	3.4	96	0.00
6	S	2-Flurobiphenyl (SURR)	82.657	80.173	E3	3.0	95	0.00
7	T	Acenaphthene (C15.5)	136.433	134.517	E3	1.4	98	0.00
8	T	Flouorene (C16.55)	139.604	133.285	E3	4.5	95	0.00
9	T	Phenanthrene (C19.36)	140.883	128.972	E3	8.5	91	0.00
10	T	Anthracene (C19.43)	136.841	125.019	E3	8.6	91	0.00
11	S	ortho-Terphenyl (SURR)	145.829	139.442	E3	4.4	96	0.00
12	T	Fluoranthene (C21.85)	142.605	130.114	E3	8.8	91	0.00
13	T	Pyrene (C20.8)	140.314	129.615	E3	7.6	92	0.00
14	T	Benzo[a]anthracene (C26.37)	135.632	115.131	E3	15.1	84	0.00
15	T	Chrysene (C27.41)	139.992	132.572	E3	5.3	95	0.00
16	T	benzo[b]fluoranthene (C30.4	132.140	113.559	E3	14.1	85	0.00
17	T	Bnezo[k]fluoranthene (C30.1	136.537	130.170	E3	4.7	96	0.00
18	T	Benzo[a]pyrene (C31.34)	125.402	112.966	E3	9.9	90	0.00
19	T	Indeno[1,2,3-cd]pyrene (C35	111.261	98.139	E3	11.8	90	0.00
20	T	Dibenz[a,h]anthracene (C30.	128.681	134.581	E3	-4.6	103	0.00
21	T	Benzo[g,h,i]perylene (C34.0	119.494	116.249	E3	2.7	98	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FG032825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015585.D**						
Aromatic C10-C12	5174568.000	40.000	4.449	6.329	129364.200	133996.317	3.457
Aromatic C12-C16	8034793.000	60.000	6.330	9.039	133913.217	137151.728	2.361
Aromatic C16-C21	10315765.000	80.000	9.040	13.371	128947.063	139410.441	7.505
Aromatic C21-C36	21978345.000	180.000	13.372	18.837	122101.917	130193.774	6.215
Aromatic EPH	45503471.000	360.000	4.449	18.837	126398.531	133824.086	5.549

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Mar 2025 22:51
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015585.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.449	6.329	5174568.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.039	8034793.000	60.000	ug/ml
Aromatic C16-C21	9.040	13.371	10315765.000	80.000	ug/ml
Aromatic C21-C36	13.372	18.837	21978345.000	180.000	ug/ml
Aromatic EPH	4.449	18.837	45503471.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015585.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:51
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 29 03:16:10 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...	7.963	2374314	19.437 ug/ml
Spiked Amount	50.000		Recovery =	38.87%
6) S	2-Flurobiphenyl (SURR)	8.841	1610515	19.484 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	38.97%
11) S	ortho-Terphenyl (SURR)	11.913	2819453	19.334 ug/ml
Spiked Amount	50.000		Recovery =	38.67%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.553	2566200	19.311 ug/ml
2) T	Naphthalene (C11.7)	6.232	2608368	19.306 ug/ml
3) T	2-Methylnaphthalene (...	7.334	2581961	19.356 ug/ml
5) T	Acenaphthylene (C15.06)	8.638	2741840	19.359 ug/ml
7) T	Acenaphthene (C15.5)	8.938	2710992	19.870 ug/ml
8) T	Flouorene (C16.55)	9.731	2677381	19.178 ug/ml
9) T	Phenanthrene (C19.36)	11.143	2585076	18.349 ug/ml
10) T	Anthracene (C19.43)	11.218	2424450	17.717 ug/ml
12) T	Fluoranthene (C21.85)	12.970	2630944	18.449 ug/ml
13) T	Pyrene (C20.8)	13.269	2628858	18.736 ug/ml
14) T	Benzo[a]anthracene (C...	15.155	2300899	16.964 ug/ml
15) T	Chrysene (C27.41)	15.196	2686484	19.190 ug/ml
16) T	benzo[b]fluoranthene ...	16.718	2308218	17.468 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.750	2674557	19.589 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.102	2218684	17.693 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.478	1940294	17.439 ug/ml
20) T	Dibenz[a,h]anthracene...	18.514	2914450	22.649 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.733	2303815	19.280 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

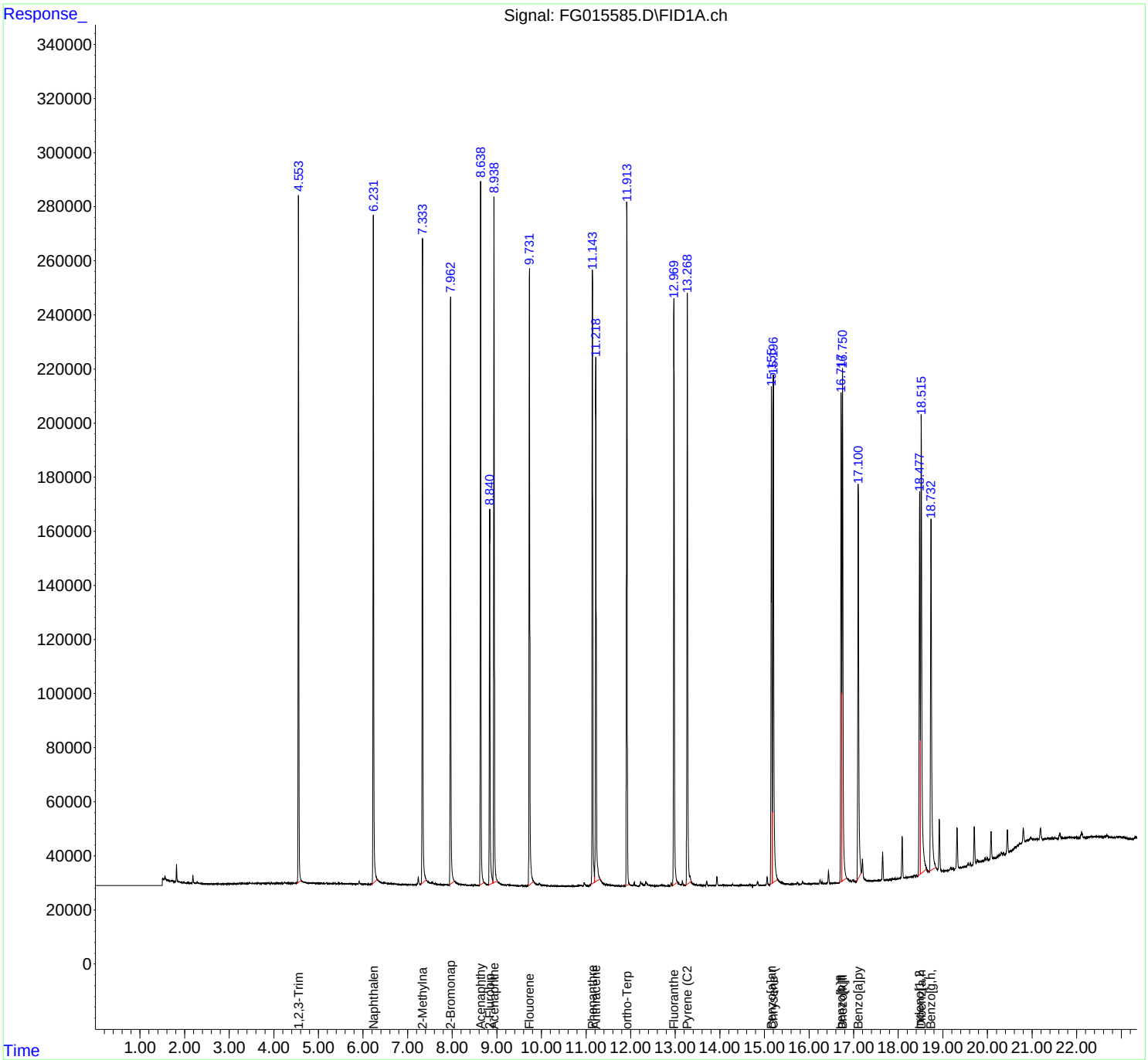
Quantitation Report (QT Reviewed)

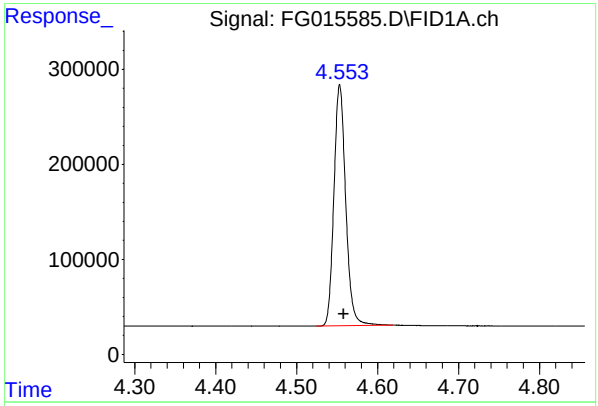
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015585.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:51
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 03:16:10 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

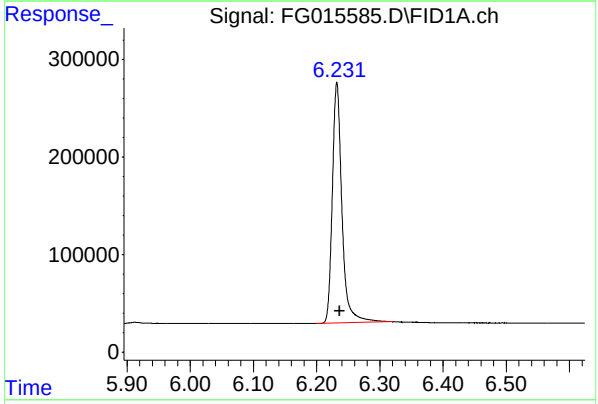




#1 1,2,3-Trimethylbenzene (C10.1)

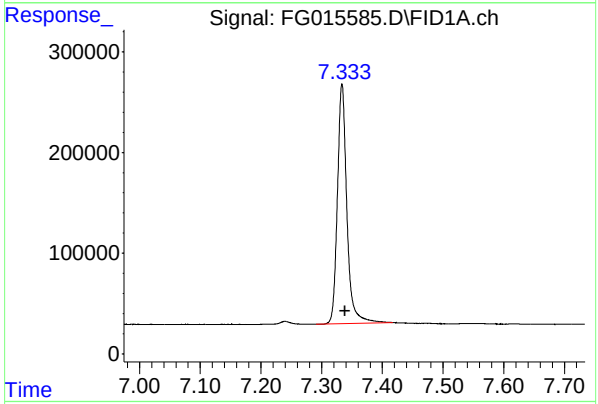
R.T.: 4.553 min
Delta R.T.: -0.005 min
Response: 2566200
Conc: 19.31 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



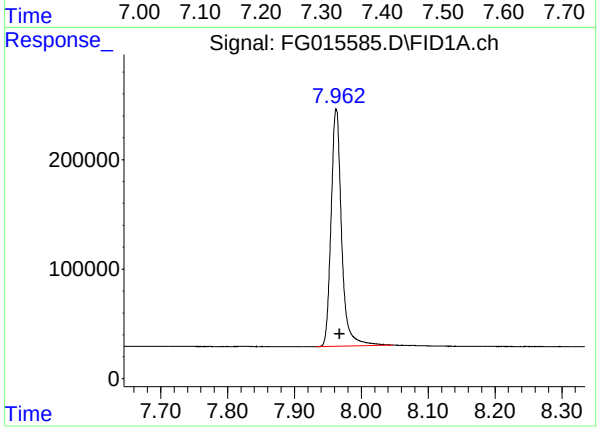
#2 Naphthalene (C11.7)

R.T.: 6.232 min
Delta R.T.: -0.005 min
Response: 2608368
Conc: 19.31 ug/ml



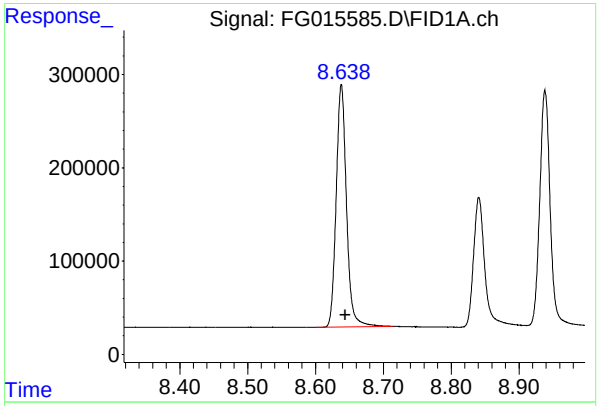
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.334 min
Delta R.T.: -0.004 min
Response: 2581961
Conc: 19.36 ug/ml



#4 2-Bromonaphthalene (SURR)

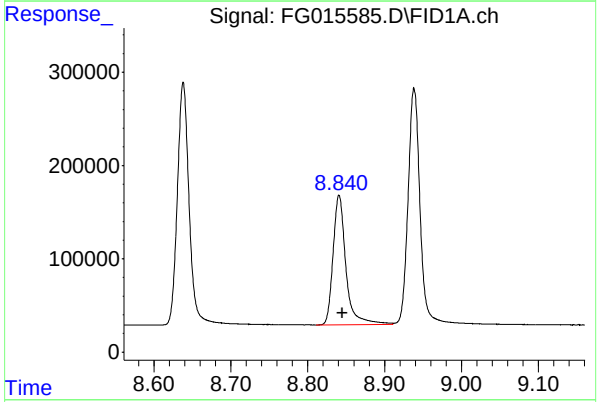
R.T.: 7.963 min
Delta R.T.: -0.005 min
Response: 2374314
Conc: 19.44 ug/ml



#5 Acenaphthylene (C15.06)

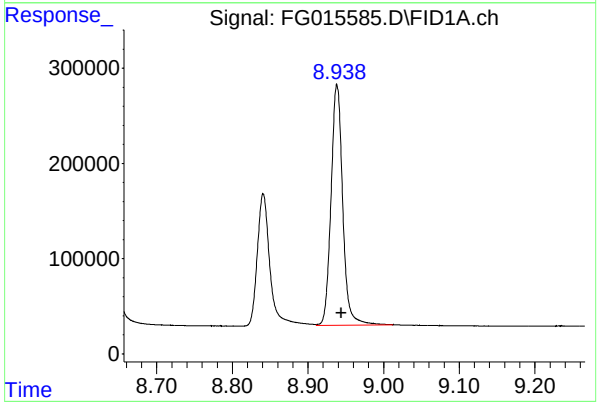
R.T.: 8.638 min
Delta R.T.: -0.005 min
Response: 2741840
Conc: 19.36 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



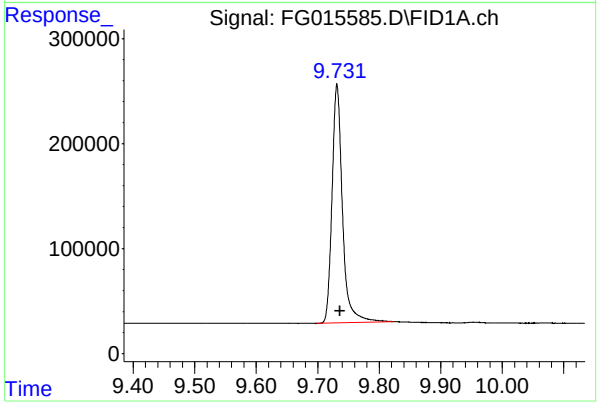
#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.004 min
Response: 1610515
Conc: 19.48 ug/ml



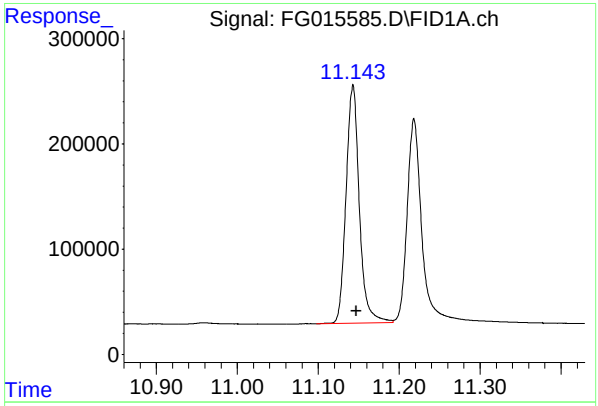
#7 Acenaphthene (C15.5)

R.T.: 8.938 min
Delta R.T.: -0.006 min
Response: 2710992
Conc: 19.87 ug/ml



#8 Flouorene (C16.55)

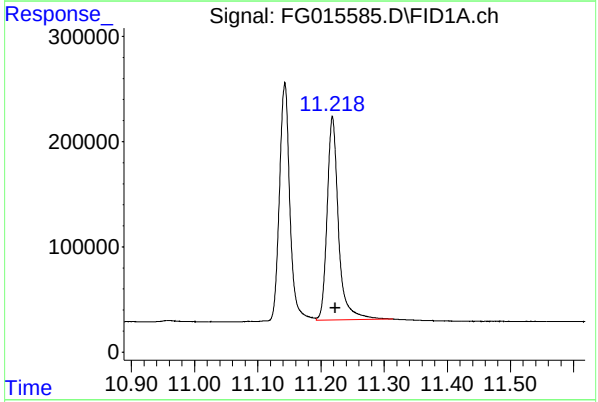
R.T.: 9.731 min
Delta R.T.: -0.005 min
Response: 2677381
Conc: 19.18 ug/ml



#9 Phenanthrene (C19.36)

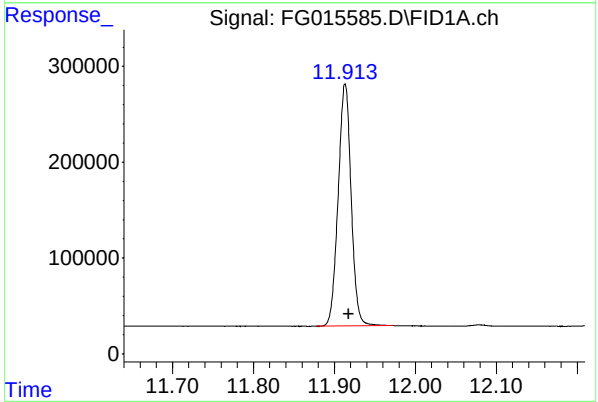
R.T.: 11.143 min
Delta R.T.: -0.004 min
Response: 2585076
Conc: 18.35 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



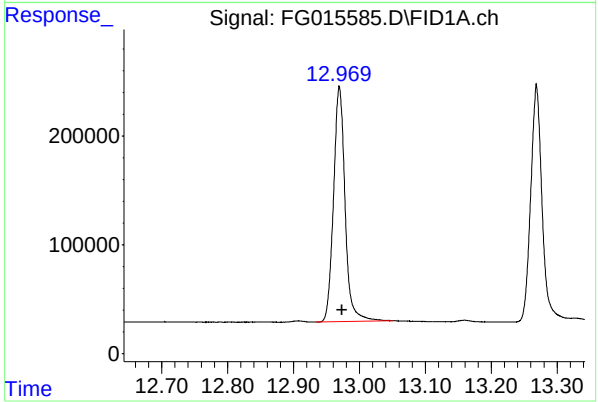
#10 Anthracene (C19.43)

R.T.: 11.218 min
Delta R.T.: -0.004 min
Response: 2424450
Conc: 17.72 ug/ml



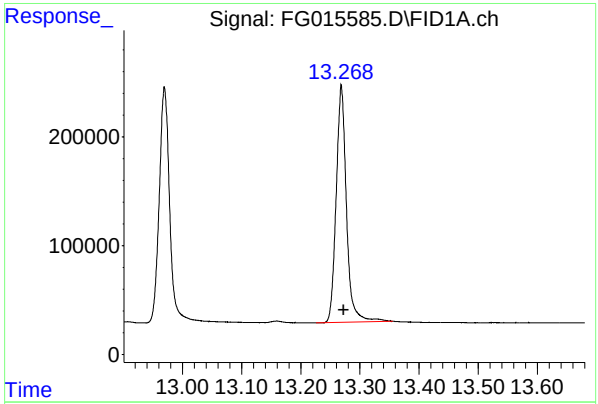
#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.004 min
Response: 2819453
Conc: 19.33 ug/ml



#12 Fluoranthene (C21.85)

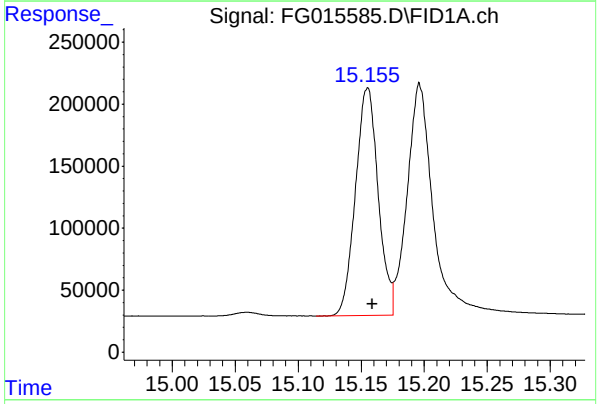
R.T.: 12.970 min
Delta R.T.: -0.004 min
Response: 2630944
Conc: 18.45 ug/ml



#13 Pyrene (C20.8)

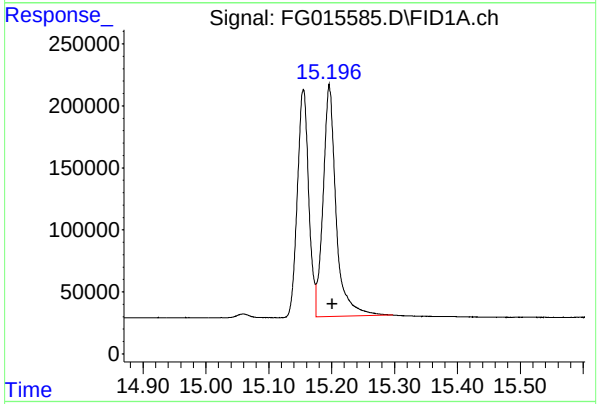
R.T.: 13.269 min
Delta R.T.: -0.004 min
Response: 2628858
Conc: 18.74 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



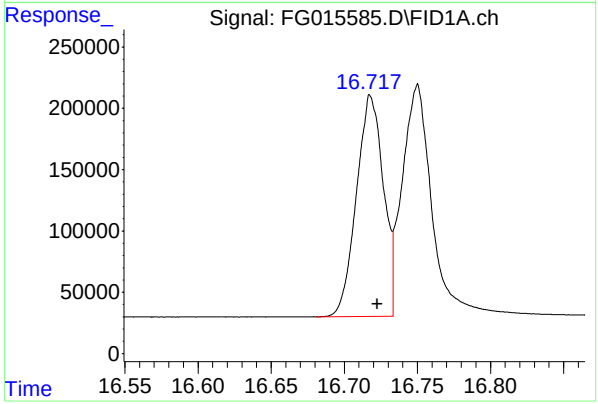
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.155 min
Delta R.T.: -0.004 min
Response: 2300899
Conc: 16.96 ug/ml



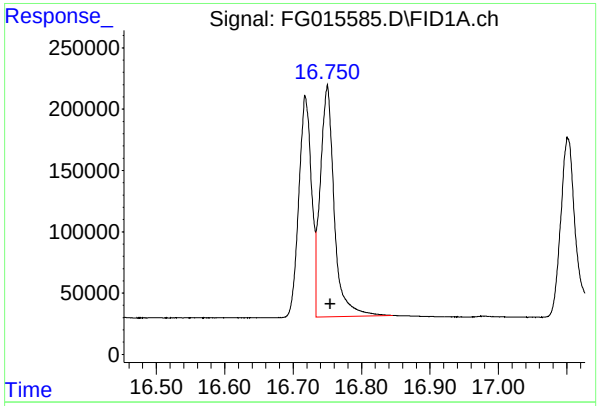
#15 Chrysene (C27.41)

R.T.: 15.196 min
Delta R.T.: -0.005 min
Response: 2686484
Conc: 19.19 ug/ml



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

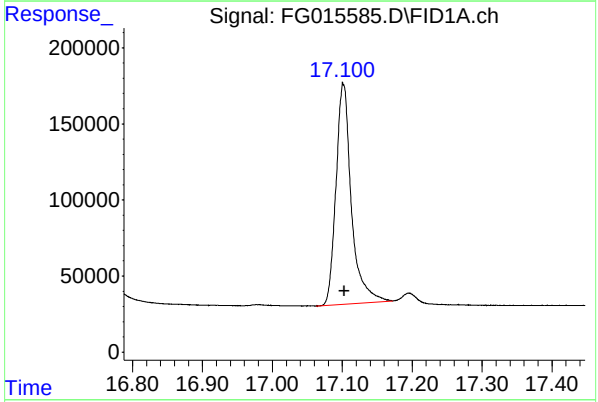
R.T.: 16.718 min
Delta R.T.: -0.004 min
Response: 2308218
Conc: 17.47 ug/ml



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

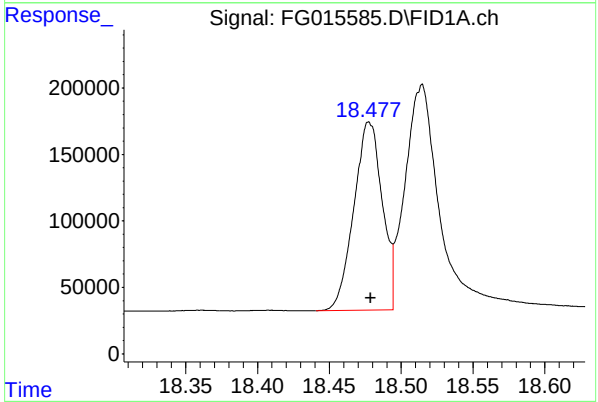
R.T.: 16.750 min
Delta R.T.: -0.004 min
Response: 2674557
Conc: 19.59 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



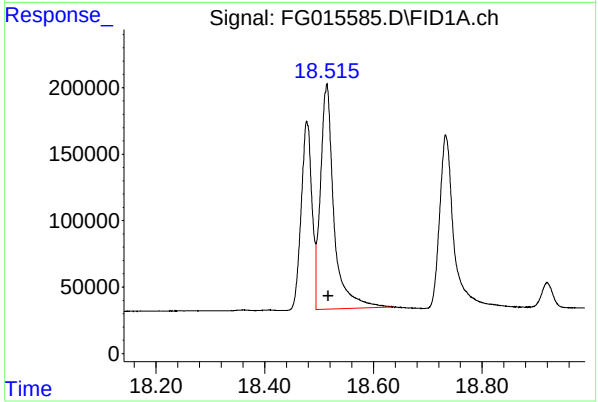
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.102 min
Delta R.T.: -0.002 min
Response: 2218684
Conc: 17.69 ug/ml



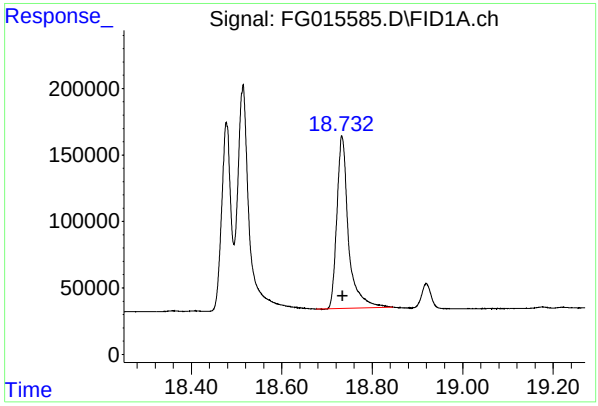
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min
Delta R.T.: -0.001 min
Response: 1940294
Conc: 17.44 ug/ml



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

R.T.: 18.514 min
Delta R.T.: -0.003 min
Response: 2914450
Conc: 22.65 ug/ml



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

R.T.: 18.733 min
Delta R.T.: -0.001 mi
Response: 2303815
Conc: 19.28 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015585.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:51
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	4.553	4.524	4.619	BB	252870	2566200	88.05%	4.906%
2	6.232	6.199	6.321	BB	246786	2608368	89.50%	4.987%
3	7.334	7.291	7.417	BB	238335	2581961	88.59%	4.936%
4	7.963	7.932	8.047	BB	217191	2374314	81.47%	4.539%
5	8.638	8.601	8.714	BB	259814	2741840	94.08%	5.242%
6	8.841	8.811	8.911	BV	138986	1610515	55.26%	3.079%
7	8.938	8.911	9.012	VB	251620	2710992	93.02%	5.183%
8	9.731	9.697	9.822	BB	227150	2677381	91.87%	5.119%
9	11.143	11.097	11.192	BV	225136	2585076	88.70%	4.942%
10	11.218	11.192	11.314	VB	193184	2424450	83.19%	4.635%
11	11.913	11.877	11.972	BB	253504	2819453	96.74%	5.390%
12	12.970	12.934	13.051	BB	216056	2630944	90.27%	5.030%
13	13.269	13.226	13.356	BB	217119	2628858	90.20%	5.026%
14	15.155	15.114	15.175	BV	184532	2300899	78.95%	4.399%
15	15.196	15.175	15.297	VB	186526	2686484	92.18%	5.136%
16	16.718	16.681	16.733	BV	177680	2308218	79.20%	4.413%
17	16.750	16.733	16.846	VB	187232	2674557	91.77%	5.113%
18	17.102	17.062	17.172	BV	145772	2218684	76.13%	4.242%
19	18.478	18.441	18.494	BV	141316	1940294	66.57%	3.709%
20	18.514	18.494	18.636	VB	169098	2914450	100.00%	5.572%
21	18.733	18.676	18.846	BB	128551	2303815	79.05%	4.404%

Sum of corrected areas: 52307753

Aromatic EPH 031725.M Sat Mar 29 03:57:31 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015585.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:51
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 03:16:10 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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	1,2,3-Trimethylbenzene (C10	132.887	128.310	E3	3.4	97	0.00
2	T	Naphthalene (C11.7)	135.106	130.418	E3	3.5	96	0.00
3	T	2-Methylnaphthalene (C12.89	133.392	129.098	E3	3.2	96	0.00
4	S	2-Bromonaphthalene (SURR)	122.155	118.716	E3	2.8	97	0.00
5	T	Acenaphthylene (C15.06)	141.629	137.092	E3	3.2	96	0.00
6	S	2-Flurobiphenyl (SURR)	82.657	80.526	E3	2.6	96	0.00
7	T	Acenaphthene (C15.5)	136.433	135.550	E3	0.6	99	0.00
8	T	Flouorene (C16.55)	139.604	133.869	E3	4.1	95	0.00
9	T	Phenanthrene (C19.36)	140.883	129.254	E3	8.3	92	0.00
10	T	Anthracene (C19.43)	136.841	121.222	E3	11.4	88	0.00
11	S	ortho-Terphenyl (SURR)	145.829	140.973	E3	3.3	97	0.00
12	T	Fluoranthene (C21.85)	142.605	131.547	E3	7.8	92	0.00
13	T	Pyrene (C20.8)	140.314	131.443	E3	6.3	94	0.00
14	T	Benzo[a]anthracene (C26.37)	135.632	115.045	E3	15.2	84	0.00
15	T	Chrysene (C27.41)	139.992	134.324	E3	4.0	96	0.00
16	T	benzo[b]fluoranthene (C30.4	132.140	115.411	E3	12.7	87	0.00
17	T	Bnezo[k]fluoranthene (C30.1	136.537	133.728	E3	2.1	99	0.00
18	T	Benzo[a]pyrene (C31.34)	125.402	110.934	E3	11.5	88	0.00
19	T	Indeno[1,2,3-cd]pyrene (C35	111.261	97.015	E3	12.8	89	0.00
20	T	Dibenz[a,h]anthracene (C30.	128.681	145.722	E3	-13.2	112	0.00
21	T	Benzo[g,h,i]perylene (C34.0	119.494	115.191	E3	3.6	97	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FG032825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015591.D**						
Aromatic C10-C12	5178861.000	40.000	4.449	6.329	129471.525	133996.317	3.377
Aromatic C12-C16	8038714.000	60.000	6.330	9.039	133978.567	137151.728	2.314
Aromatic C16-C21	10318195.000	80.000	9.040	13.371	128977.438	139410.441	7.484
Aromatic C21-C36	21839978.000	180.000	13.372	18.837	121333.211	130193.774	6.806
Aromatic EPH	45375748.000	360.000	4.449	18.837	126043.744	133824.086	5.814

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	29 Mar 2025 02:46
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015591.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.449	6.329	5178861.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.039	8038714.000	60.000	ug/ml
Aromatic C16-C21	9.040	13.371	10318195.000	80.000	ug/ml
Aromatic C21-C36	13.372	18.837	21839978.000	180.000	ug/ml
Aromatic EPH	4.449	18.837	45375748.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015591.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 02:46
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 29 03:17:51 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...	7.962	2361619	19.333	ug/ml
Spiked Amount	50.000		Recovery =	38.67%	
6)	S 2-Flurobiphenyl (SURR)	8.841	1608576	19.461	ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	38.92%	
11)	S ortho-Terphenyl (SURR)	11.913	2835905	19.447	ug/ml
Spiked Amount	50.000		Recovery =	38.89%	
	Target Compounds				
1)	T 1,2,3-Trimethylbenzen...	4.552	2572890	19.362	ug/ml
2)	T Naphthalene (C11.7)	6.231	2605971	19.288	ug/ml
3)	T 2-Methylnaphthalene (...	7.333	2580661	19.346	ug/ml
5)	T Acenaphthylene (C15.06)	8.638	2743479	19.371	ug/ml
7)	T Acenaphthene (C15.5)	8.938	2714574	19.897	ug/ml
8)	T Flouorene (C16.55)	9.731	2665274	19.092	ug/ml
9)	T Phenanthrene (C19.36)	11.142	2589355	18.379	ug/ml
10)	T Anthracene (C19.43)	11.218	2431896	17.772	ug/ml
12)	T Fluoranthene (C21.85)	12.969	2620043	18.373	ug/ml
13)	T Pyrene (C20.8)	13.268	2631670	18.756	ug/ml
14)	T Benzo[a]anthracene (C...	15.154	2274990	16.773	ug/ml
15)	T Chrysene (C27.41)	15.197	2685990	19.187	ug/ml
16)	T benzo[b]fluoranthene ...	16.718	2283438	17.280	ug/ml
17)	T Bnezo[k]fluoranthene ...	16.749	2653605	19.435	ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.101	2190179	17.465	ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.477	1915979	17.221	ug/ml
20)	T Dibenz[a,h]anthracene...	18.514	2902514	22.556	ug/ml
21)	T Benzo[g,h,i]perylene ...	18.733	2313240	19.359	ug/ml

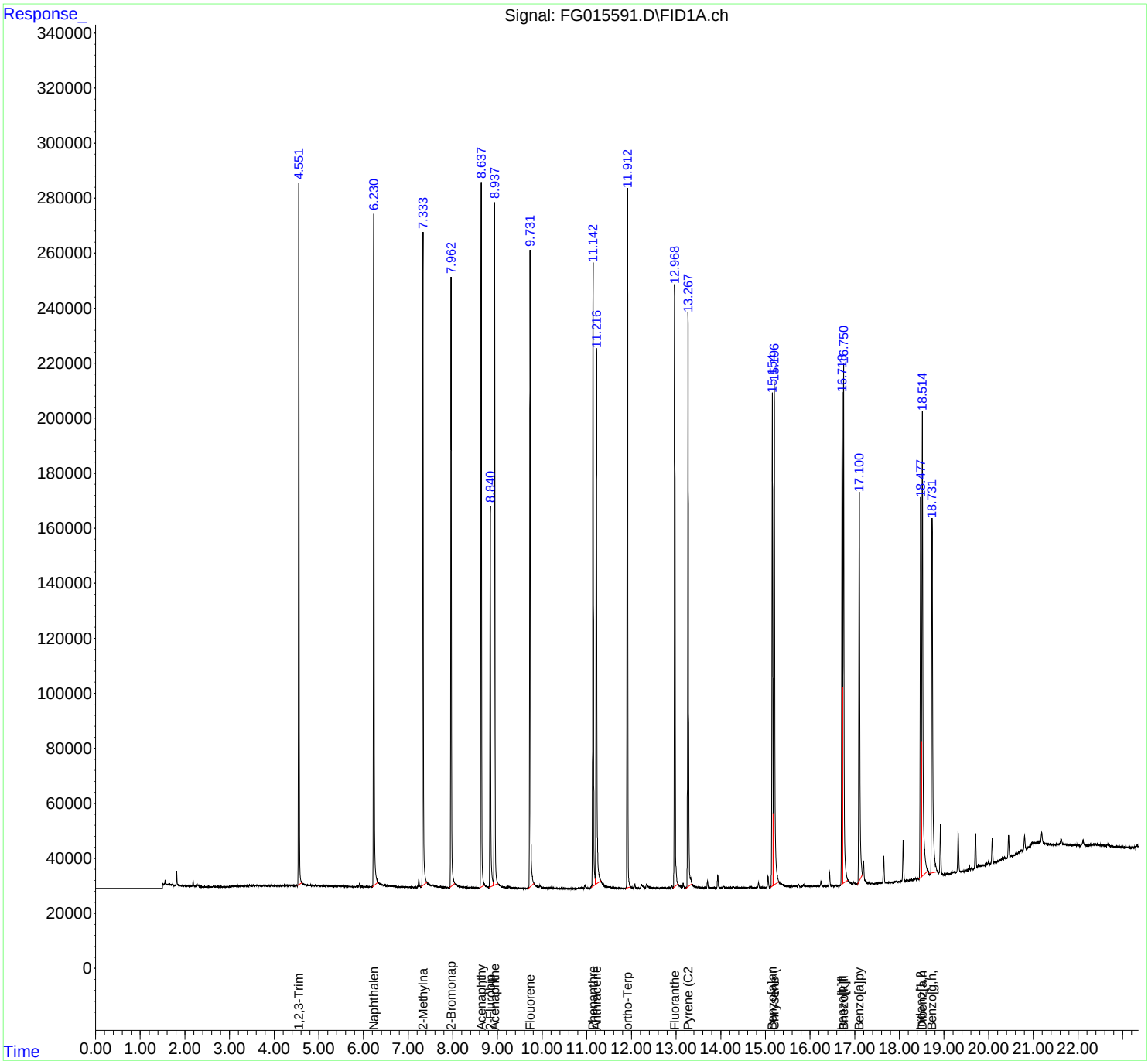
(f)=RT Delta > 1/2 Window (m)=manual int.

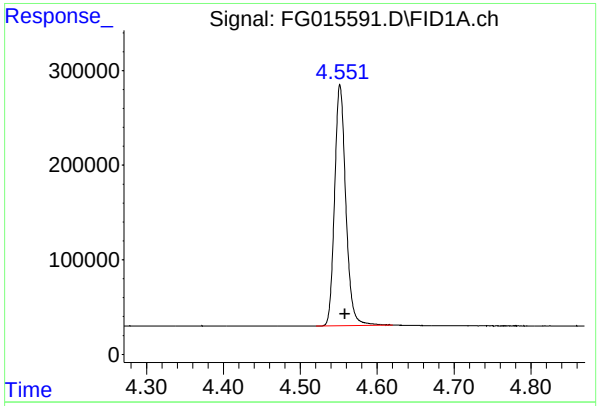
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015591.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 02:46
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 03:17:51 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

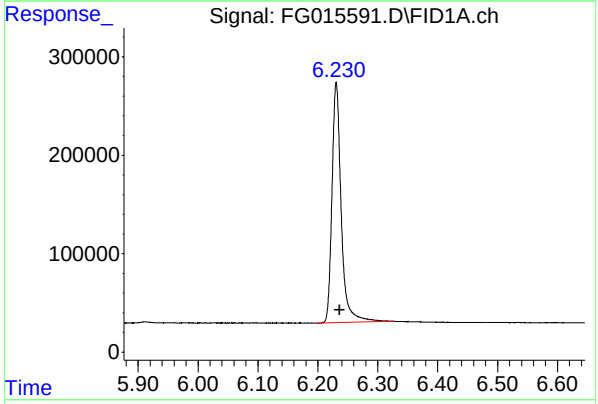




#1 1,2,3-Trimethylbenzene (C10.1)

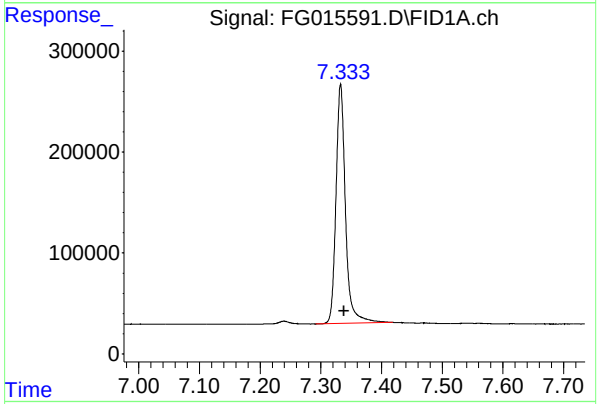
R.T.: 4.552 min
Delta R.T.: -0.006 min
Response: 2572890
Conc: 19.36 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



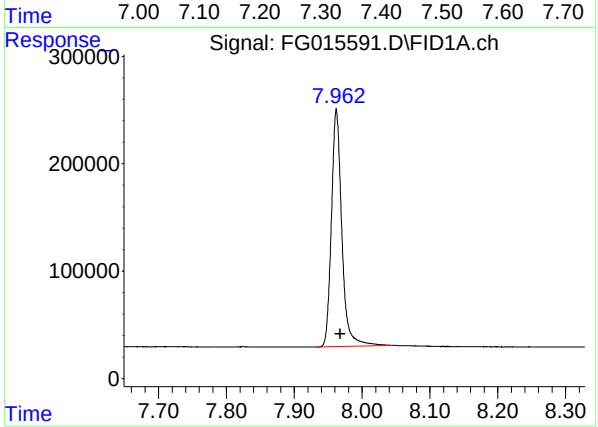
#2 Naphthalene (C11.7)

R.T.: 6.231 min
Delta R.T.: -0.006 min
Response: 2605971
Conc: 19.29 ug/ml



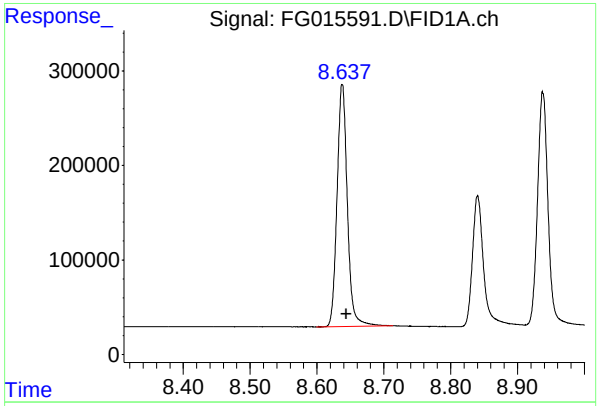
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.333 min
Delta R.T.: -0.005 min
Response: 2580661
Conc: 19.35 ug/ml



#4 2-Bromonaphthalene (SURR)

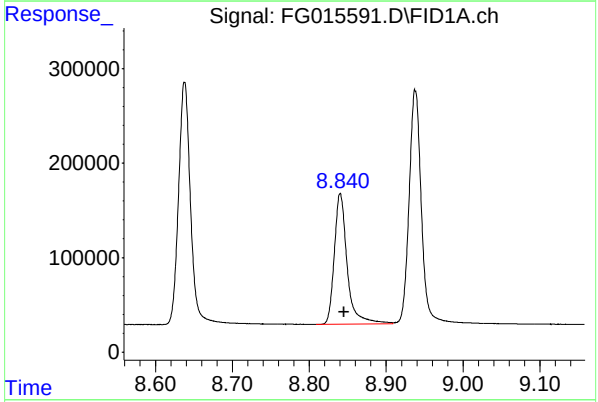
R.T.: 7.962 min
Delta R.T.: -0.006 min
Response: 2361619
Conc: 19.33 ug/ml



#5 Acenaphthylene (C15.06)

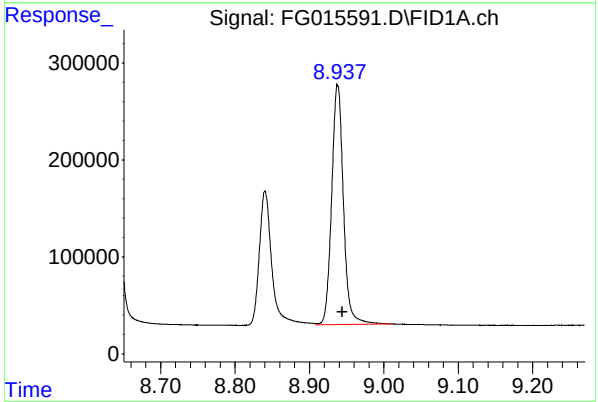
R.T.: 8.638 min
Delta R.T.: -0.006 min
Response: 2743479
Conc: 19.37 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



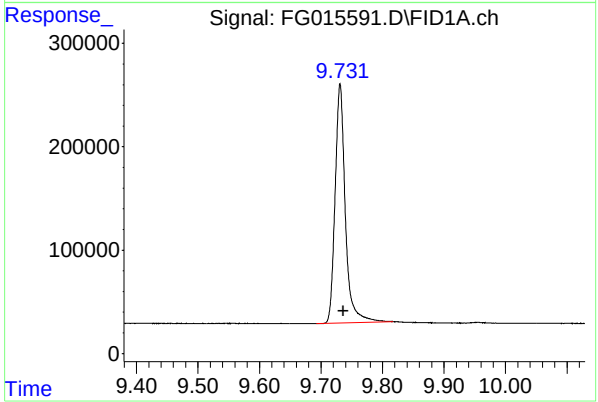
#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.005 min
Response: 1608576
Conc: 19.46 ug/ml



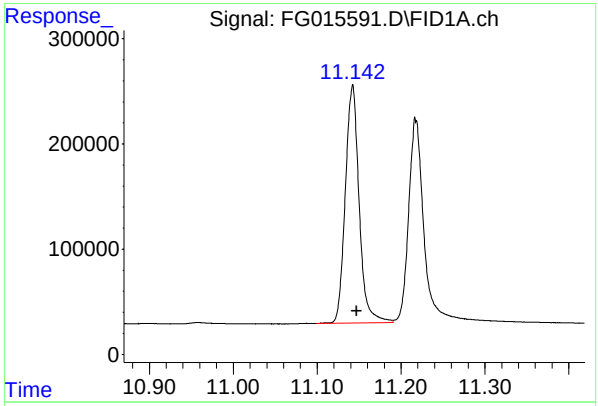
#7 Acenaphthene (C15.5)

R.T.: 8.938 min
Delta R.T.: -0.006 min
Response: 2714574
Conc: 19.90 ug/ml



#8 Flouorene (C16.55)

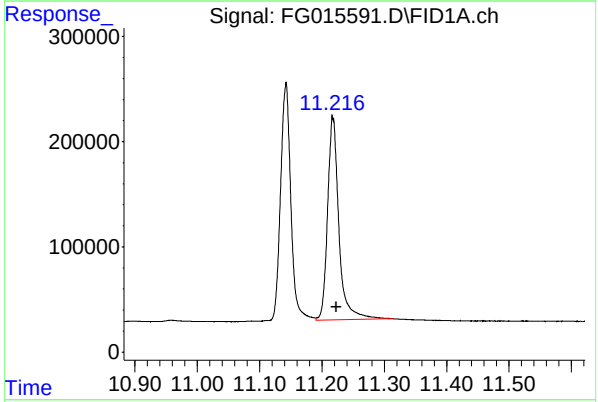
R.T.: 9.731 min
Delta R.T.: -0.005 min
Response: 2665274
Conc: 19.09 ug/ml



#9 Phenanthrene (C19.36)

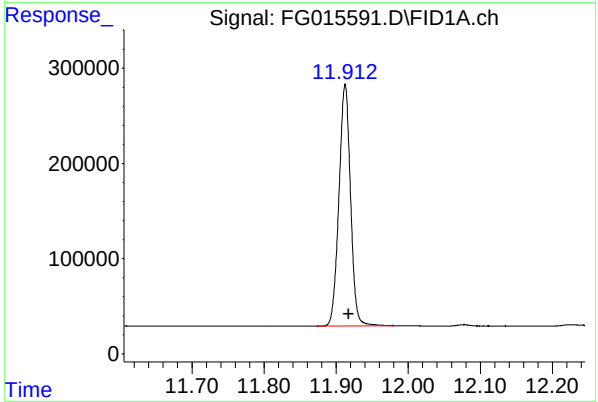
R.T.: 11.142 min
Delta R.T.: -0.005 min
Response: 2589355
Conc: 18.38 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



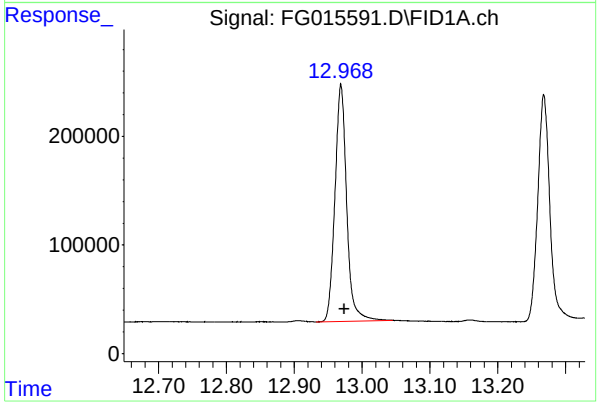
#10 Anthracene (C19.43)

R.T.: 11.218 min
Delta R.T.: -0.005 min
Response: 2431896
Conc: 17.77 ug/ml



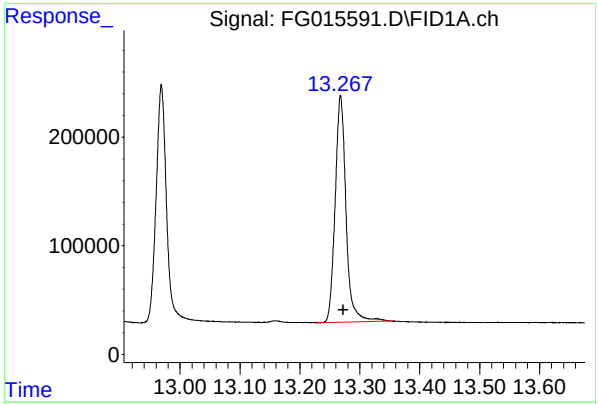
#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.005 min
Response: 2835905
Conc: 19.45 ug/ml



#12 Fluoranthene (C21.85)

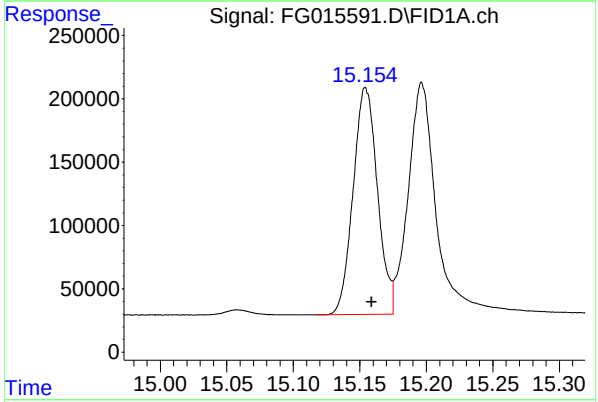
R.T.: 12.969 min
Delta R.T.: -0.005 min
Response: 2620043
Conc: 18.37 ug/ml



#13 Pyrene (C20.8)

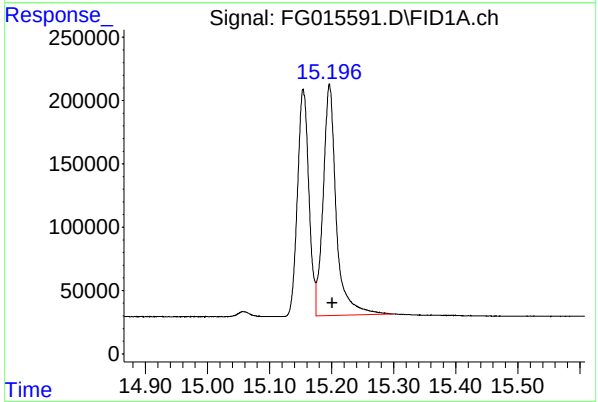
R.T.: 13.268 min
Delta R.T.: -0.005 min
Response: 2631670
Conc: 18.76 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



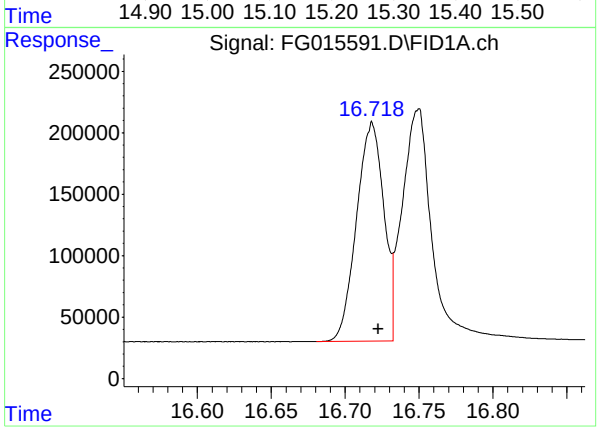
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.154 min
Delta R.T.: -0.004 min
Response: 2274990
Conc: 16.77 ug/ml



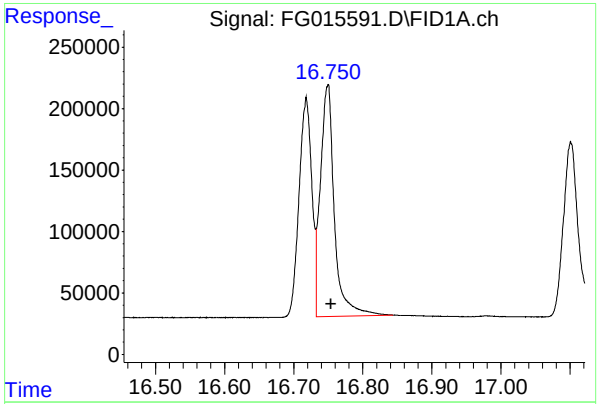
#15 Chrysene (C27.41)

R.T.: 15.197 min
Delta R.T.: -0.005 min
Response: 2685990
Conc: 19.19 ug/ml



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

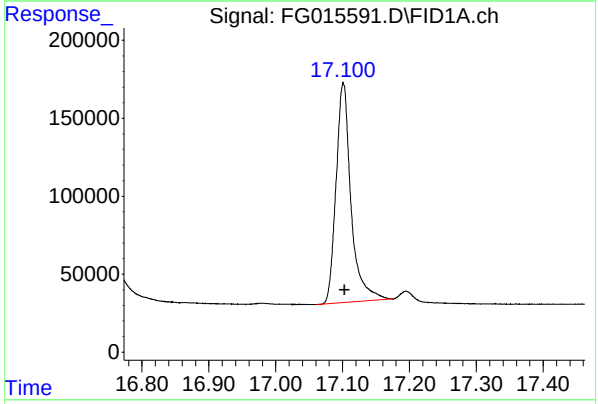
R.T.: 16.718 min
Delta R.T.: -0.005 min
Response: 2283438
Conc: 17.28 ug/ml



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

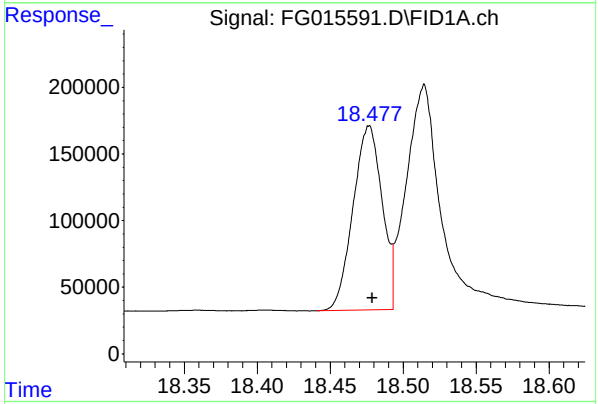
R.T.: 16.749 min
Delta R.T.: -0.005 mi
Response: 2653605
Conc: 19.44 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



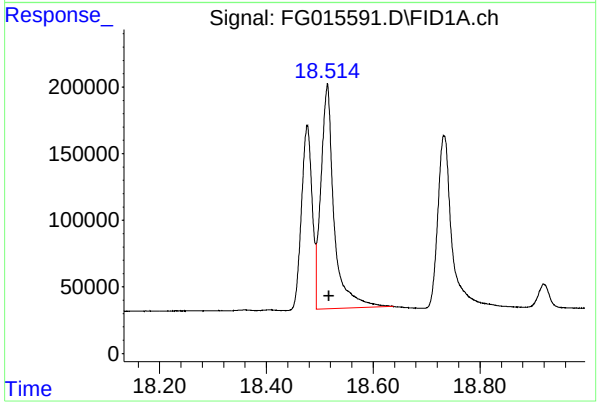
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.101 min
Delta R.T.: -0.002 min
Response: 2190179
Conc: 17.47 ug/ml



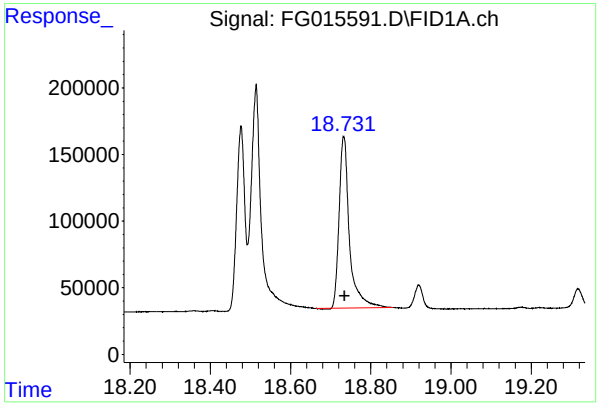
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.477 min
Delta R.T.: -0.002 min
Response: 1915979
Conc: 17.22 ug/ml



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

R.T.: 18.514 min
Delta R.T.: -0.003 min
Response: 2902514
Conc: 22.56 ug/ml



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

R.T.: 18.733 min
Delta R.T.: -0.002 mi
Response: 2313240
Conc: 19.36 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015591.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 02:46
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	4.552	4.520	4.620	BB	253795	2572890	88.64%	4.931%
2	6.231	6.197	6.325	BB	243820	2605971	89.78%	4.994%
3	7.333	7.292	7.419	BB	237423	2580661	88.91%	4.946%
4	7.962	7.932	8.045	BB	220774	2361619	81.36%	4.526%
5	8.638	8.599	8.714	BB	257388	2743479	94.52%	5.258%
6	8.841	8.809	8.909	BV	138112	1608576	55.42%	3.083%
7	8.938	8.909	9.012	VB	246836	2714574	93.52%	5.202%
8	9.731	9.692	9.817	BB	231365	2665274	91.83%	5.108%
9	11.142	11.099	11.190	BV	225694	2589355	89.21%	4.962%
10	11.218	11.190	11.314	VB	193508	2431896	83.79%	4.660%
11	11.913	11.872	11.979	BB	253855	2835905	97.71%	5.435%
12	12.969	12.932	13.045	BB	218303	2620043	90.27%	5.021%
13	13.268	13.227	13.355	BB	208321	2631670	90.67%	5.043%
14	15.154	15.117	15.175	BV	179180	2274990	78.38%	4.360%
15	15.197	15.175	15.299	VB	182155	2685990	92.54%	5.147%
16	16.718	16.680	16.732	BV	178571	2283438	78.67%	4.376%
17	16.749	16.732	16.844	VB	187973	2653605	91.42%	5.085%
18	17.101	17.060	17.175	BV	140955	2190179	75.46%	4.197%
19	18.477	18.440	18.493	BV	138673	1915979	66.01%	3.672%
20	18.514	18.493	18.637	VB	167722	2902514	100.00%	5.562%
21	18.733	18.664	18.855	BB	129031	2313240	79.70%	4.433%
			Sum of corrected areas:			52181849		

Aromatic EPH 031725.M Sat Mar 29 03:58:17 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015591.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 02:46
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 29 03:17:51 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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	1,2,3-Trimethylbenzene (C10	132.887	128.645	E3	3.2	97	0.00
2	T	Naphthalene (C11.7)	135.106	130.299	E3	3.6	96	0.00
3	T	2-Methylnaphthalene (C12.89	133.392	129.033	E3	3.3	96	0.00
4	S	2-Bromonaphthalene (SURR)	122.155	118.081	E3	3.3	96	0.00
5	T	Acenaphthylene (C15.06)	141.629	137.174	E3	3.1	96	0.00
6	S	2-Flurobiphenyl (SURR)	82.657	80.429	E3	2.7	96	0.00
7	T	Acenaphthene (C15.5)	136.433	135.729	E3	0.5	99	0.00
8	T	Flouorene (C16.55)	139.604	133.264	E3	4.5	95	0.00
9	T	Phenanthrene (C19.36)	140.883	129.468	E3	8.1	92	0.00
10	T	Anthracene (C19.43)	136.841	121.595	E3	11.1	89	0.00
11	S	ortho-Terphenyl (SURR)	145.829	141.795	E3	2.8	97	0.00
12	T	Fluoranthene (C21.85)	142.605	131.002	E3	8.1	92	0.00
13	T	Pyrene (C20.8)	140.314	131.584	E3	6.2	94	0.00
14	T	Benzo[a]anthracene (C26.37)	135.632	113.750	E3	16.1	83	0.00
15	T	Chrysene (C27.41)	139.992	134.299	E3	4.1	96	0.00
16	T	benzo[b]fluoranthene (C30.4	132.140	114.172	E3	13.6	86	0.00
17	T	Bnezo[k]fluoranthene (C30.1	136.537	132.680	E3	2.8	98	0.00
18	T	Benzo[a]pyrene (C31.34)	125.402	109.509	E3	12.7	87	0.00
19	T	Indeno[1,2,3-cd]pyrene (C35	111.261	95.799	E3	13.9	88	0.00
20	T	Dibenz[a,h]anthracene (C30.	128.681	145.126	E3	-12.8	112	0.00
21	T	Benzo[g,h,i]perylene (C34.0	119.494	115.662	E3	3.2	97	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FG040125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015594.D**						
Aromatic C10-C12	5474581.000	40.000	4.450	6.329	136864.525	133996.317	-2.141
Aromatic C12-C16	8515969.000	60.000	6.330	9.035	141932.817	137151.728	-3.486
Aromatic C16-C21	10771263.000	80.000	9.036	13.365	134640.788	139410.441	3.421
Aromatic C21-C36	22584191.000	180.000	13.366	18.829	125467.728	130193.774	3.630
Aromatic EPH	47346004.000	360.000	4.450	18.829	131516.678	133824.086	1.724

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	01 Apr 2025 14:19
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015594.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.450	6.329	5474581.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.035	8515969.000	60.000	ug/ml
Aromatic C16-C21	9.036	13.365	10771263.000	80.000	ug/ml
Aromatic C21-C36	13.366	18.829	22584191.000	180.000	ug/ml
Aromatic EPH	4.450	18.829	47346004.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015594.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 14:19
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
Quant Time: Apr 02 01:15:07 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...	7.960	2508065	20.532 ug/ml
Spiked Amount	50.000		Recovery =	41.06%
6) S	2-Flurobiphenyl (SURR)	8.838	1663820	20.129 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.26%
11) S	ortho-Terphenyl (SURR)	11.910	3016299	20.684 ug/ml
Spiked Amount	50.000		Recovery =	41.37%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.550	2735170	20.583 ug/ml
2) T	Naphthalene (C11.7)	6.229	2739411	20.276 ug/ml
3) T	2-Methylnaphthalene (...	7.330	2753314	20.641 ug/ml
5) T	Acenaphthylene (C15.06)	8.635	2910304	20.549 ug/ml
7) T	Acenaphthene (C15.5)	8.935	2852351	20.907 ug/ml
8) T	Flouorene (C16.55)	9.729	2767929	19.827 ug/ml
9) T	Phenanthrene (C19.36)	11.140	2687032	19.073 ug/ml
10) T	Anthracene (C19.43)	11.215	2562377	18.725 ug/ml
12) T	Fluoranthene (C21.85)	12.966	2744818	19.248 ug/ml
13) T	Pyrene (C20.8)	13.265	2753925	19.627 ug/ml
14) T	Benzo[a]anthracene (C...	15.152	2368444	17.462 ug/ml
15) T	Chrysene (C27.41)	15.194	2859720	20.428 ug/ml
16) T	benzo[b]fluoranthene ...	16.716	2413798	18.267 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.746	2945235	21.571 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.099	2472679	19.718 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.474	1841374	16.550 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.511	2689195	20.898 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.729	2248928	18.820 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

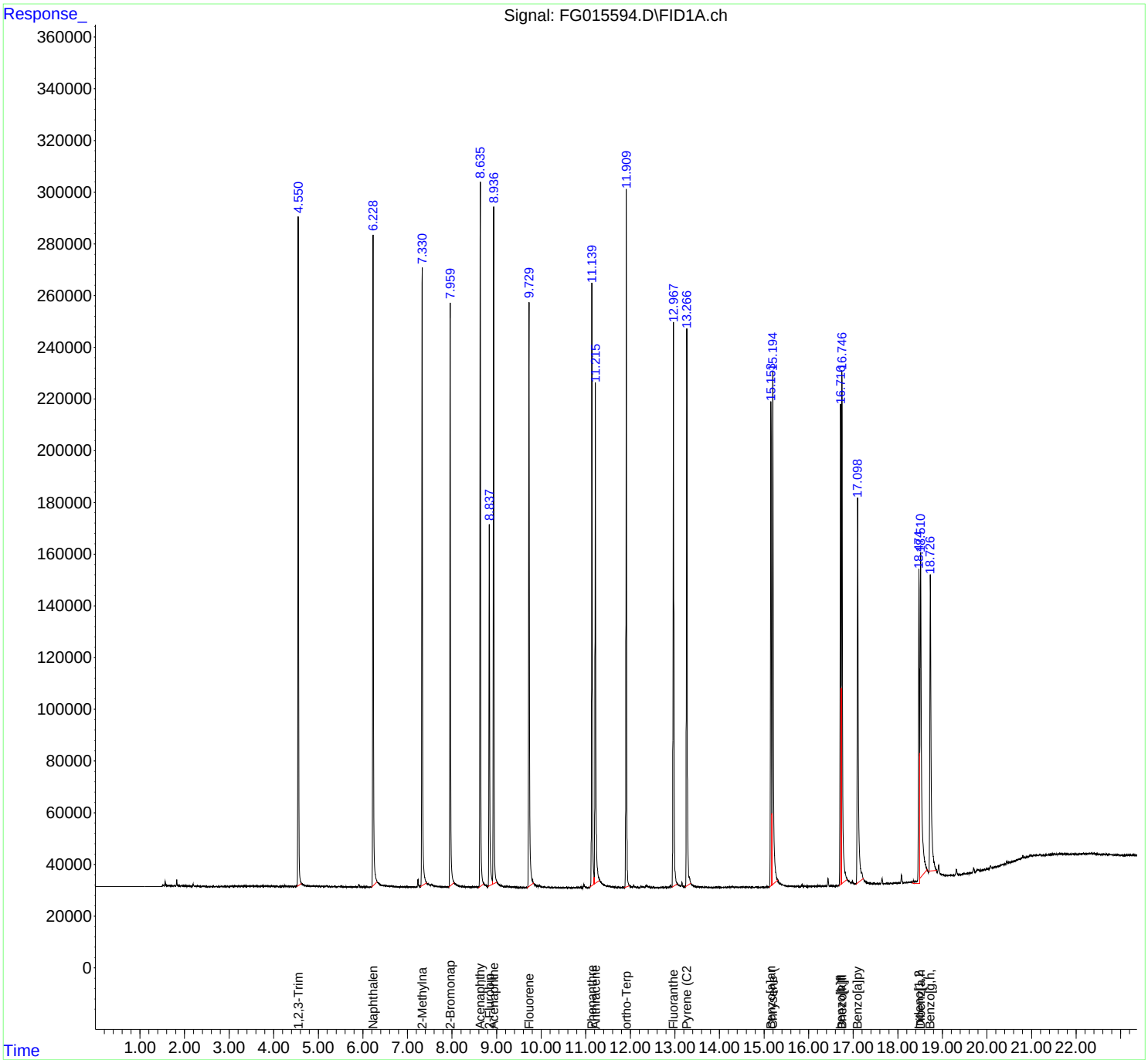
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015594.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 14:19
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 21 Sample Multiplier: 1

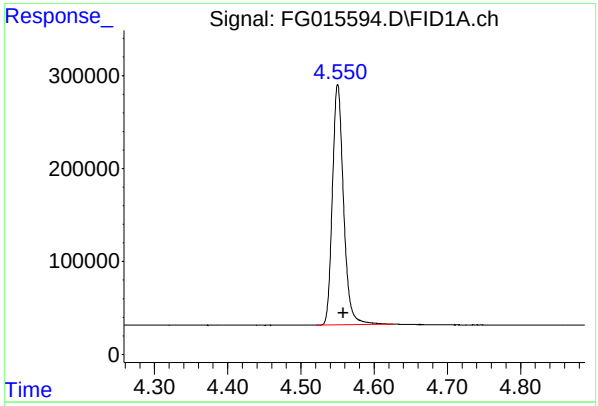
Integration File: autoint1.e
Quant Time: Apr 02 01:15:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025





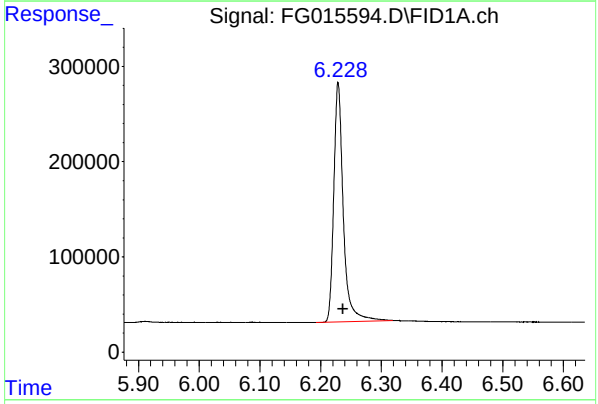
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.550 min
Delta R.T.: -0.008 min
Response: 2735170
Conc: 20.58 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

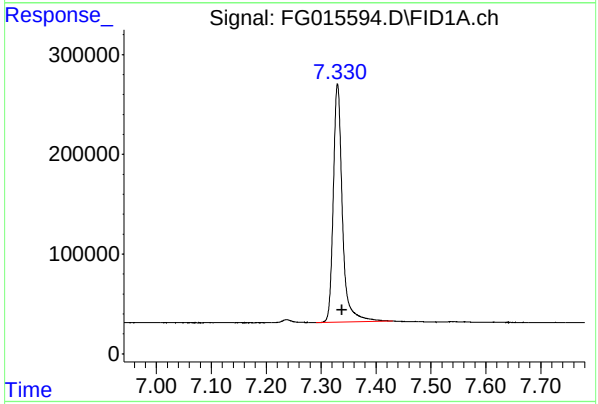
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



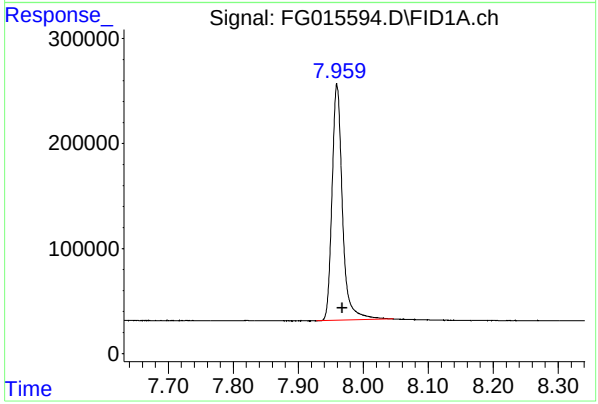
#2 Naphthalene (C11.7)

R.T.: 6.229 min
Delta R.T.: -0.008 min
Response: 2739411
Conc: 20.28 ug/ml



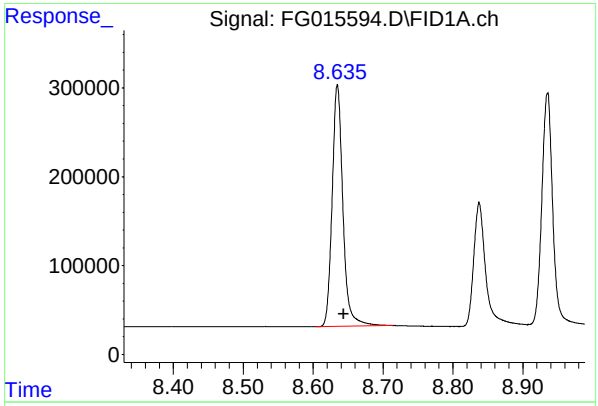
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.330 min
Delta R.T.: -0.008 min
Response: 2753314
Conc: 20.64 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.960 min
Delta R.T.: -0.008 min
Response: 2508065
Conc: 20.53 ug/ml



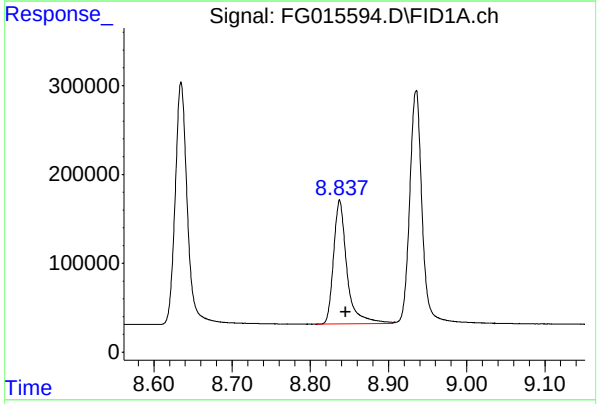
#5 Acenaphthylene (C15.06)

R.T.: 8.635 min
Delta R.T.: -0.009 min
Response: 2910304
Conc: 20.55 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

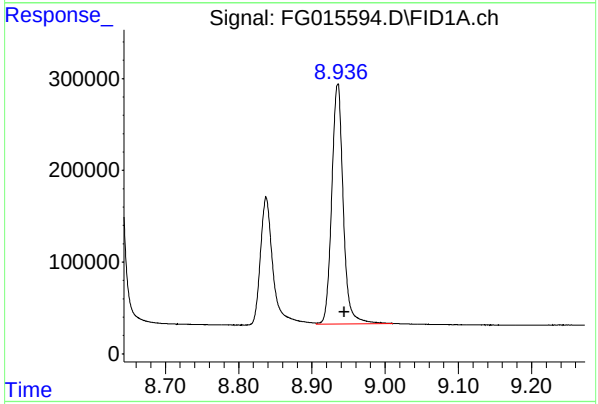
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



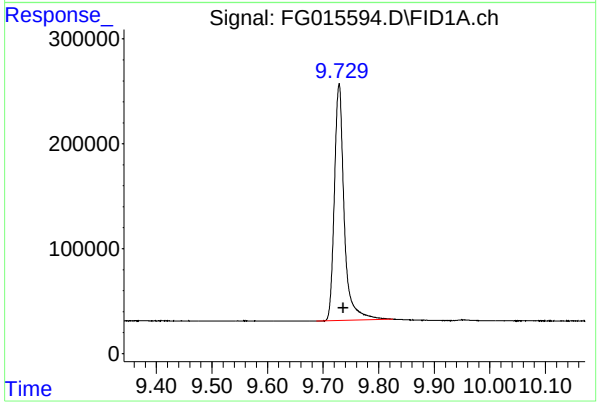
#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 1663820
Conc: 20.13 ug/ml



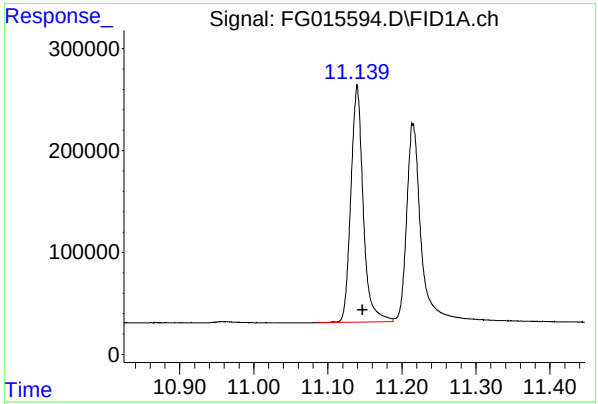
#7 Acenaphthene (C15.5)

R.T.: 8.935 min
Delta R.T.: -0.009 min
Response: 2852351
Conc: 20.91 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.729 min
Delta R.T.: -0.008 min
Response: 2767929
Conc: 19.83 ug/ml



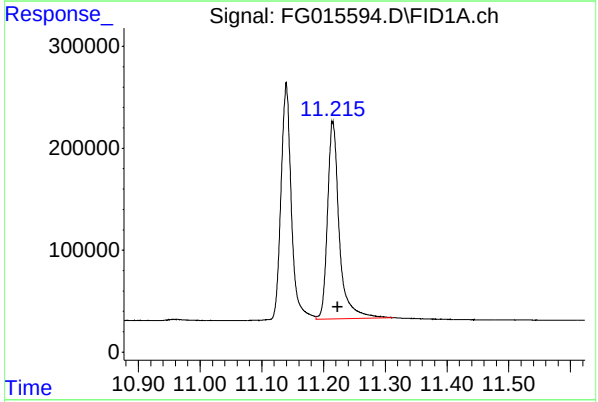
#9 Phenanthrene (C19.36)

R.T.: 11.140 min
Delta R.T.: -0.008 min
Response: 2687032
Conc: 19.07 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

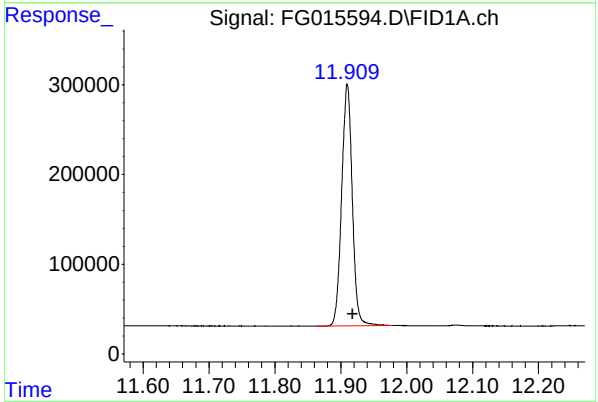
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



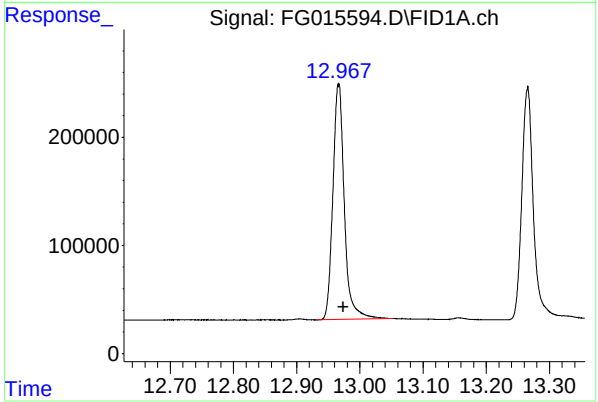
#10 Anthracene (C19.43)

R.T.: 11.215 min
Delta R.T.: -0.007 min
Response: 2562377
Conc: 18.73 ug/ml



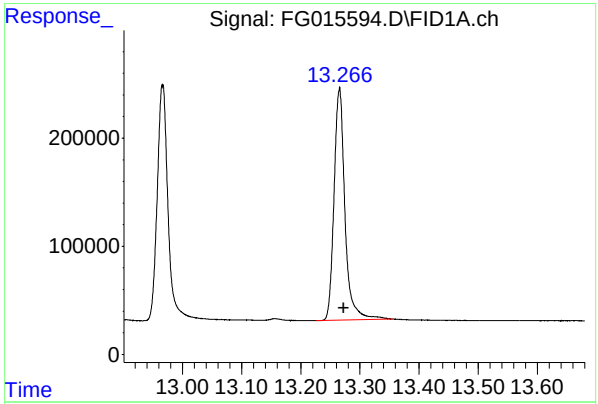
#11 ortho-Terphenyl (SURR)

R.T.: 11.910 min
Delta R.T.: -0.008 min
Response: 3016299
Conc: 20.68 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.966 min
Delta R.T.: -0.007 min
Response: 2744818
Conc: 19.25 ug/ml



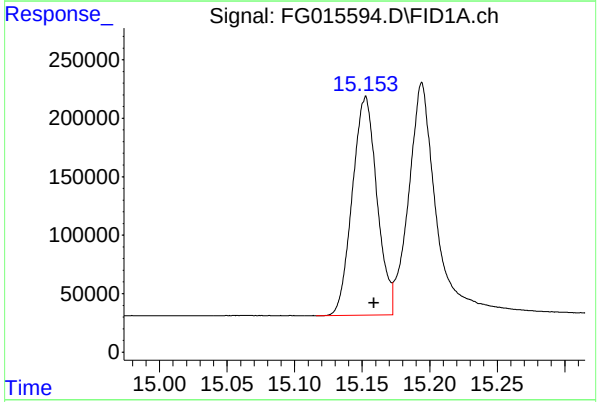
#13 Pyrene (C20.8)

R.T.: 13.265 min
Delta R.T.: -0.007 min
Response: 2753925
Conc: 19.63 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

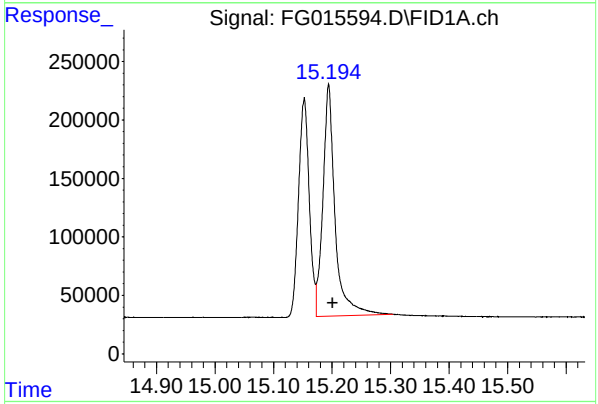
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



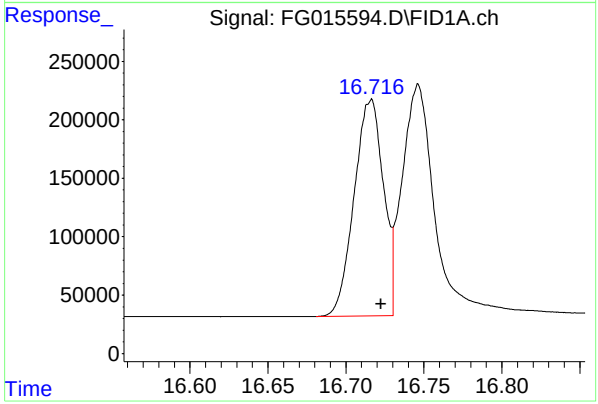
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.152 min
Delta R.T.: -0.007 min
Response: 2368444
Conc: 17.46 ug/ml



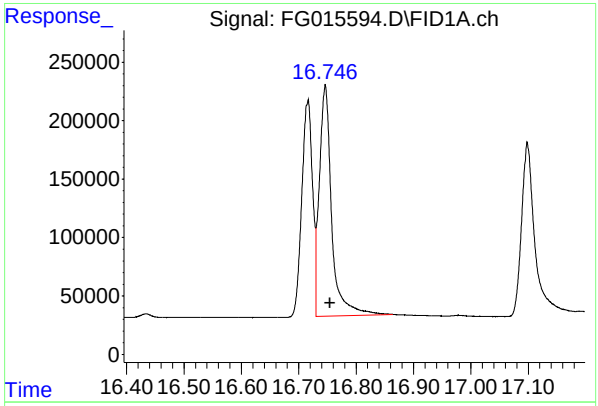
#15 Chrysene (C27.41)

R.T.: 15.194 min
Delta R.T.: -0.007 min
Response: 2859720
Conc: 20.43 ug/ml



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

R.T.: 16.716 min
Delta R.T.: -0.007 min
Response: 2413798
Conc: 18.27 ug/ml



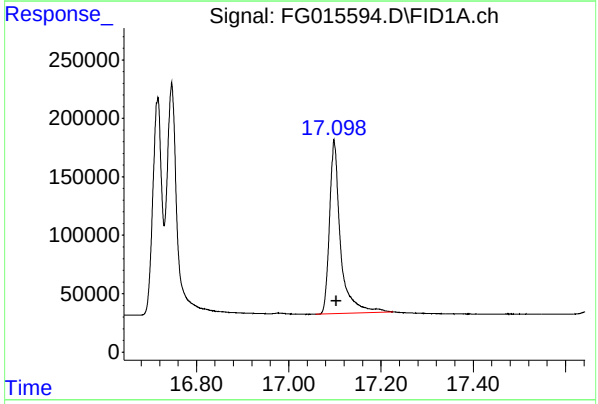
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.746 min
Delta R.T.: -0.008 mi
Response: 2945235
Conc: 21.57 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

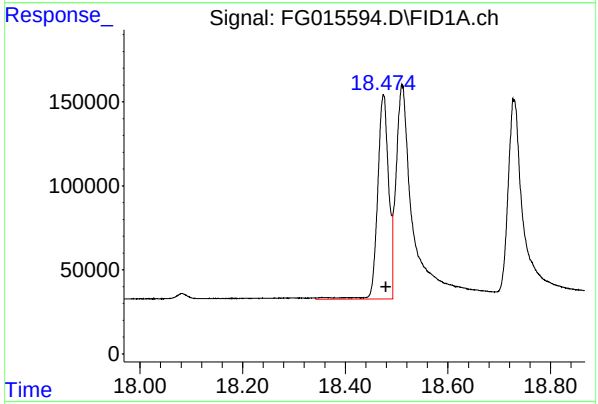
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



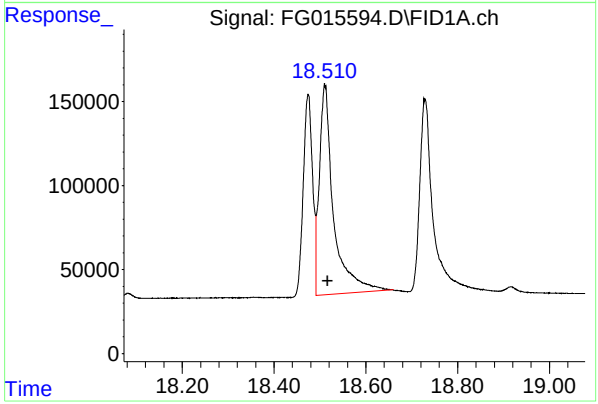
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.099 min
Delta R.T.: -0.005 min
Response: 2472679
Conc: 19.72 ug/ml



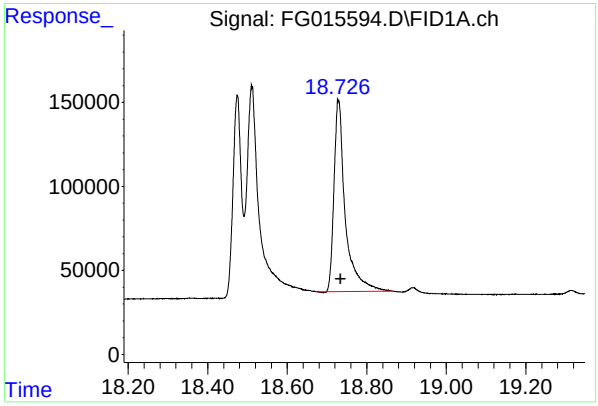
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.474 min
Delta R.T.: -0.005 min
Response: 1841374
Conc: 16.55 ug/ml m



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

R.T.: 18.511 min
Delta R.T.: -0.006 min
Response: 2689195
Conc: 20.90 ug/ml



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

R.T.: 18.729 min
Delta R.T.: -0.006 mir
Response: 2248928
Conc: 18.82 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

rteres

Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04012
Data File : FG015594.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 14:19
Sample : 20 PPM AROMATIC HC STD
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	4.550	4.521	4.626	BB	258550	2735170	90.68%	5.028%
2	6.229	6.192	6.319	BB	250886	2739411	90.82%	5.036%
3	7.330	7.291	7.431	BB	238643	2753314	91.28%	5.062%
4	7.960	7.927	8.046	BB	224941	2508065	83.15%	4.611%
5	8.635	8.604	8.714	BB	272197	2910304	96.49%	5.350%
6	8.838	8.807	8.906	BV	139419	1663820	55.16%	3.059%
7	8.935	8.906	9.011	VB	262836	2852351	94.56%	5.244%
8	9.729	9.687	9.826	BB	226050	2767929	91.77%	5.089%
9	11.140	11.084	11.188	BV	231430	2687032	89.08%	4.940%
10	11.215	11.188	11.312	VB	193098	2562377	84.95%	4.711%
11	11.910	11.862	11.979	BB	269218	3016299	100.00%	5.545%
12	12.966	12.931	13.052	BB	217767	2744818	91.00%	5.046%
13	13.265	13.226	13.356	BB	215179	2753925	91.30%	5.063%
14	15.152	15.116	15.173	BV	186347	2368444	78.52%	4.354%
15	15.194	15.173	15.304	VB	198102	2859720	94.81%	5.257%
16	16.716	16.681	16.730	BV	183980	2413798	80.03%	4.438%
17	16.746	16.730	16.864	VB	197287	2945235	97.64%	5.415%
18	17.099	17.059	17.226	BB	147275	2472679	81.98%	4.546%
19	18.474	18.441	18.492	BV	120244	1701060	56.40%	3.127%
20	18.511	18.492	18.659	VB	125145	2689195	89.16%	4.944%
21	18.729	18.672	18.866	BB	113438	2248928	74.56%	4.135%
			Sum of corrected areas:			54393874		

Aromatic EPH 031725.M Wed Apr 02 02:24:02 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015594.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 14:19
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 01:15:07 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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	1,2,3-Trimethylbenzene (C10	132.887	136.758	E3	-2.9	103	0.00
2	T	Naphthalene (C11.7)	135.106	136.971	E3	-1.4	101	0.00
3	T	2-Methylnaphthalene (C12.89	133.392	137.666	E3	-3.2	102	0.00
4	S	2-Bromonaphthalene (SURR)	122.155	125.403	E3	-2.7	102	0.00
5	T	Acenaphthylene (C15.06)	141.629	145.515	E3	-2.7	102	0.00
6	S	2-Flurobiphenyl (SURR)	82.657	83.191	E3	-0.6	99	0.00
7	T	Acenaphthene (C15.5)	136.433	142.618	E3	-4.5	104	0.00
8	T	Flouorene (C16.55)	139.604	138.396	E3	0.9	98	0.00
9	T	Phenanthrene (C19.36)	140.883	134.352	E3	4.6	95	0.00
10	T	Anthracene (C19.43)	136.841	128.119	E3	6.4	93	0.00
11	S	ortho-Terphenyl (SURR)	145.829	150.815	E3	-3.4	103	0.00
12	T	Fluoranthene (C21.85)	142.605	137.241	E3	3.8	96	0.00
13	T	Pyrene (C20.8)	140.314	137.696	E3	1.9	98	0.00
14	T	Benzo[a]anthracene (C26.37)	135.632	118.422	E3	12.7	87	0.00
15	T	Chrysene (C27.41)	139.992	142.986	E3	-2.1	103	0.00
16	T	benzo[b]fluoranthene (C30.4	132.140	120.690	E3	8.7	91	0.00
17	T	Bnezo[k]fluoranthene (C30.1	136.537	147.262	E3	-7.9	109	0.00
18	T	Benzo[a]pyrene (C31.34)	125.402	123.634	E3	1.4	98	0.00
19	T	Indeno[1,2,3-cd]pyrene (C35	111.261	92.069	E3	17.2	84	0.00
20	T	Dibenz[a,h]anthracene (C30.	128.681	134.460	E3	-4.5	103	0.00
21	T	Benzo[g,h,i]perylene (C34.0	119.494	112.446	E3	5.9	95	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

Continuing Calibration Report for SequenceID : FG040125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015610.D**						
Aromatic C10-C12	5822958.000	40.000	4.450	6.329	145573.950	133996.317	-8.640
Aromatic C12-C16	8978267.000	60.000	6.330	9.035	149637.783	137151.728	-9.104
Aromatic C16-C21	11335341.000	80.000	9.036	13.365	141691.763	139410.441	-1.636
Aromatic C21-C36	23501233.000	180.000	13.366	18.829	130562.406	130193.774	-0.283
Aromatic EPH	49637799.000	360.000	4.450	18.829	137882.775	133824.086	-3.033

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	01 Apr 2025 23:50
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015610.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.450	6.329	5822958.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.035	8978267.000	60.000	ug/ml
Aromatic C16-C21	9.036	13.365	11335341.000	80.000	ug/ml
Aromatic C21-C36	13.366	18.829	23501233.000	180.000	ug/ml
Aromatic EPH	4.450	18.829	49637799.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015610.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 23:50
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 02:16:26 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...	7.960	2654566	21.731 ug/ml
Spiked Amount	50.000		Recovery =	43.46%
6) S	2-Flurobiphenyl (SURR)	8.838	1756828	21.254 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	42.51%
11) S	ortho-Terphenyl (SURR)	11.910	3164272	21.699 ug/ml
Spiked Amount	50.000		Recovery =	43.40%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.550	2911761	21.912 ug/ml
2) T	Naphthalene (C11.7)	6.229	2911197	21.547 ug/ml
3) T	2-Methylnaphthalene (...	7.330	2904196	21.772 ug/ml
5) T	Acenaphthylene (C15.06)	8.635	3050683	21.540 ug/ml
7) T	Acenaphthene (C15.5)	8.935	3023388	22.160 ug/ml
8) T	Flouorene (C16.55)	9.728	2922312	20.933 ug/ml
9) T	Phenanthrene (C19.36)	11.139	2827650	20.071 ug/ml
10) T	Anthracene (C19.43)	11.214	2695276	19.696 ug/ml
12) T	Fluoranthene (C21.85)	12.966	2867503	20.108 ug/ml
13) T	Pyrene (C20.8)	13.265	2890103	20.597 ug/ml
14) T	Benzo[a]anthracene (C...	15.151	2467231	18.191 ug/ml
15) T	Chrysene (C27.41)	15.193	2943610	21.027 ug/ml
16) T	benzo[b]fluoranthene ...	16.714	2555254	19.337 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.746	2978574	21.815 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.098	2585110	20.615 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.475	1793652	16.121 ug/ml
20) T	Dibenz[a,h]anthracene...	18.511	2921070	22.700 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.728	2389229	19.995 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

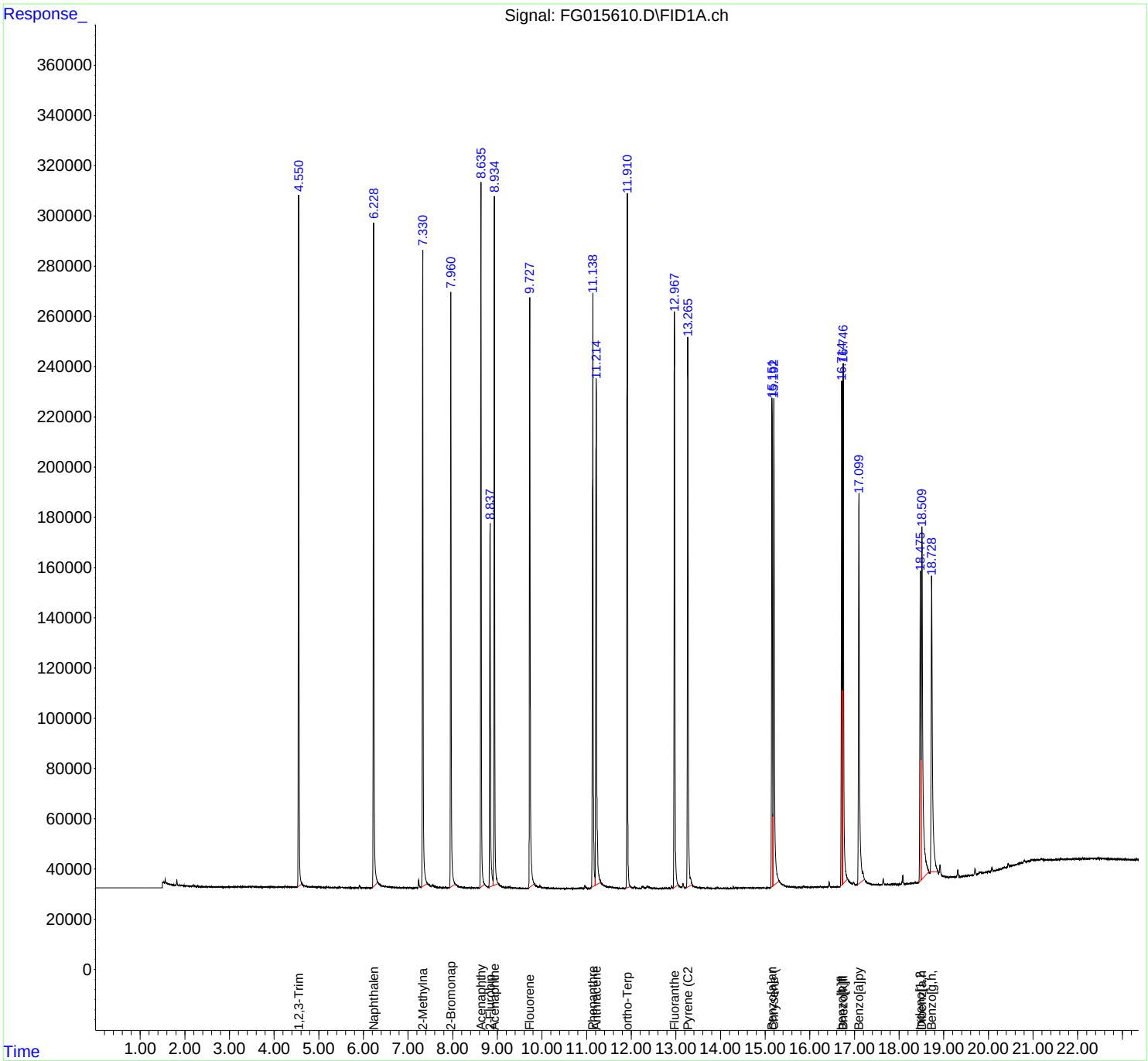
Quantitation Report (QT Reviewed)

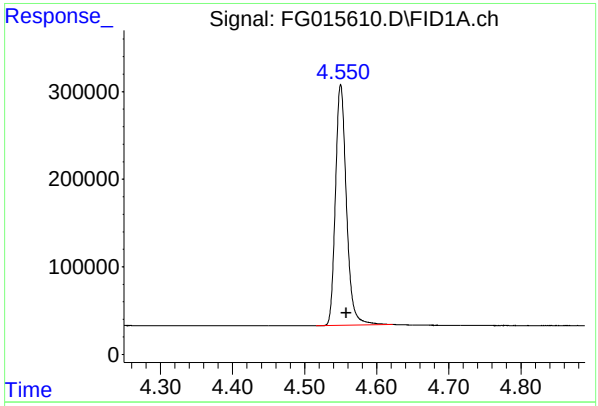
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015610.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 23:50
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
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Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

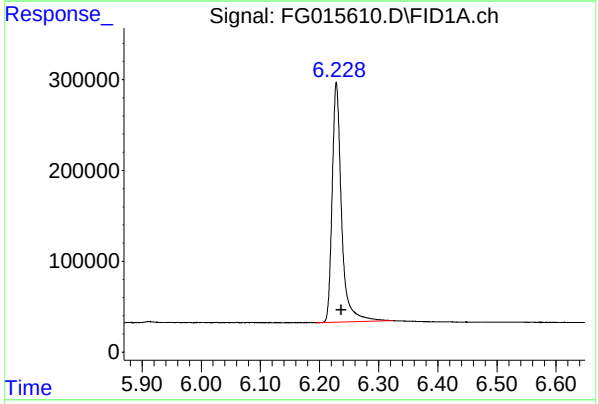




#1 1,2,3-Trimethylbenzene (C10.1)

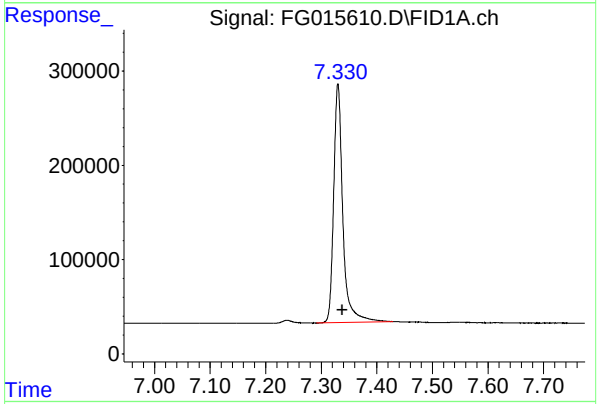
R.T.: 4.550 min
Delta R.T.: -0.008 min
Response: 2911761
Conc: 21.91 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



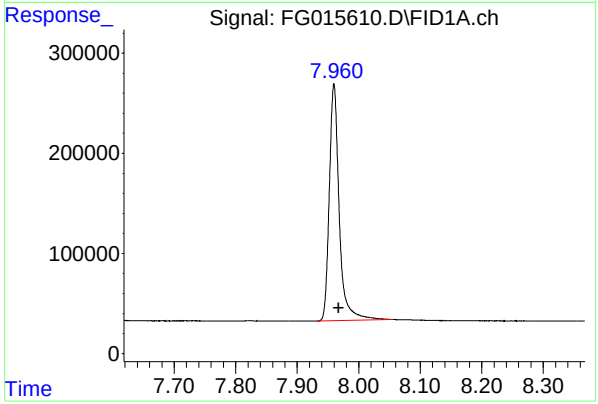
#2 Naphthalene (C11.7)

R.T.: 6.229 min
Delta R.T.: -0.008 min
Response: 2911197
Conc: 21.55 ug/ml



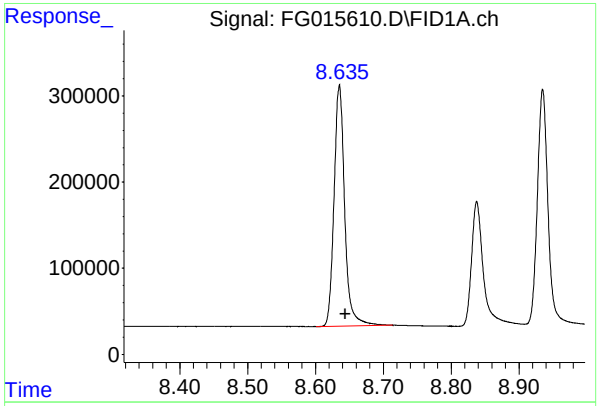
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.330 min
Delta R.T.: -0.008 min
Response: 2904196
Conc: 21.77 ug/ml



#4 2-Bromonaphthalene (SURR)

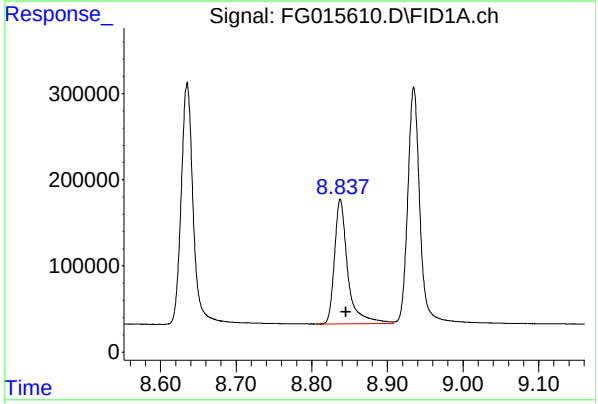
R.T.: 7.960 min
Delta R.T.: -0.008 min
Response: 2654566
Conc: 21.73 ug/ml



#5 Acenaphthylene (C15.06)

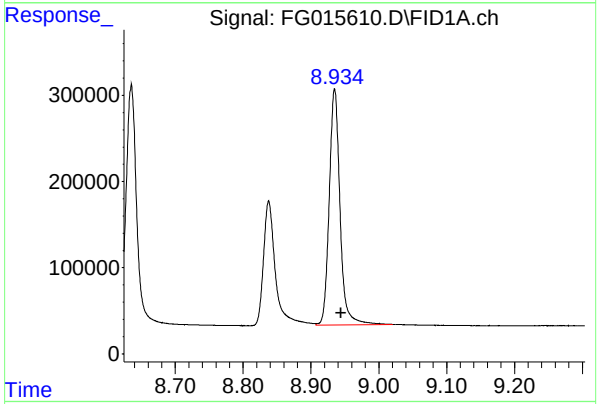
R.T.: 8.635 min
Delta R.T.: -0.008 min
Response: 3050683
Conc: 21.54 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



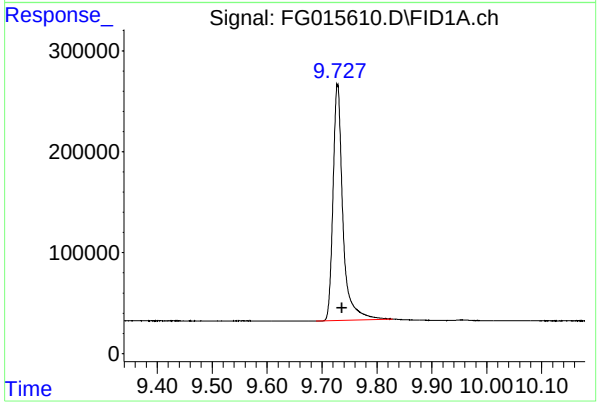
#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 1756828
Conc: 21.25 ug/ml



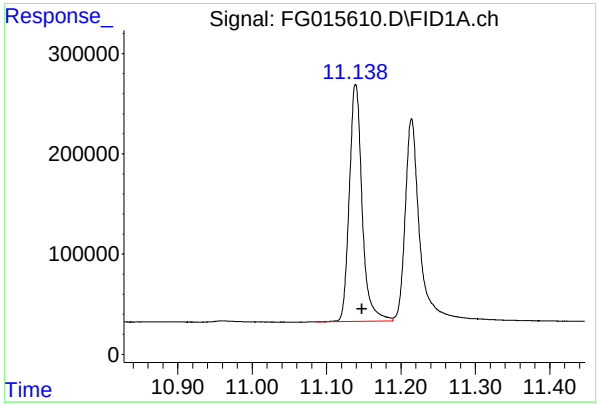
#7 Acenaphthene (C15.5)

R.T.: 8.935 min
Delta R.T.: -0.009 min
Response: 3023388
Conc: 22.16 ug/ml



#8 Flouorene (C16.55)

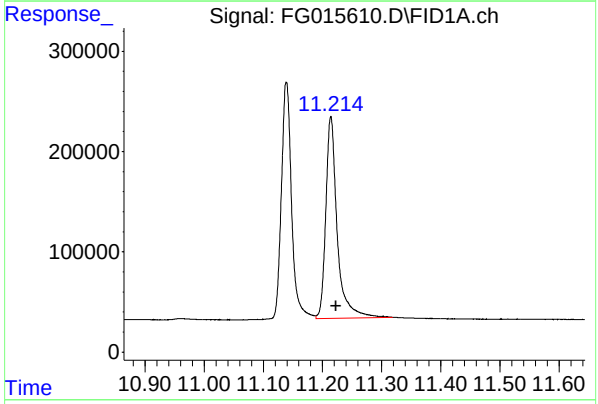
R.T.: 9.728 min
Delta R.T.: -0.008 min
Response: 2922312
Conc: 20.93 ug/ml



#9 Phenanthrene (C19.36)

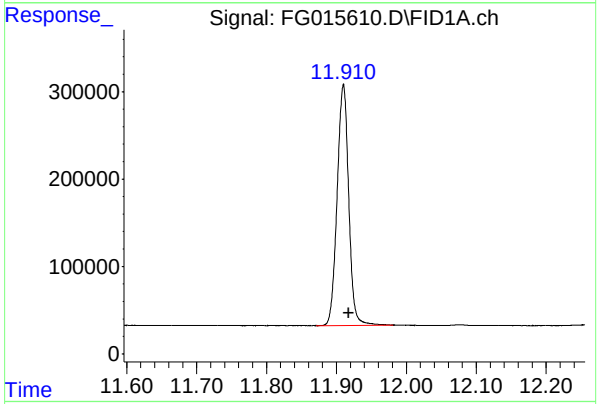
R.T.: 11.139 min
Delta R.T.: -0.008 min
Response: 2827650
Conc: 20.07 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



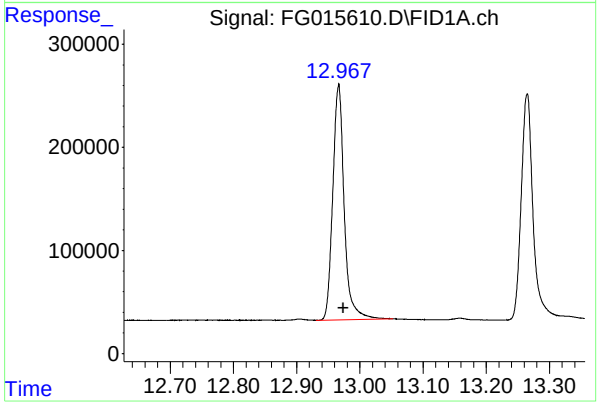
#10 Anthracene (C19.43)

R.T.: 11.214 min
Delta R.T.: -0.008 min
Response: 2695276
Conc: 19.70 ug/ml



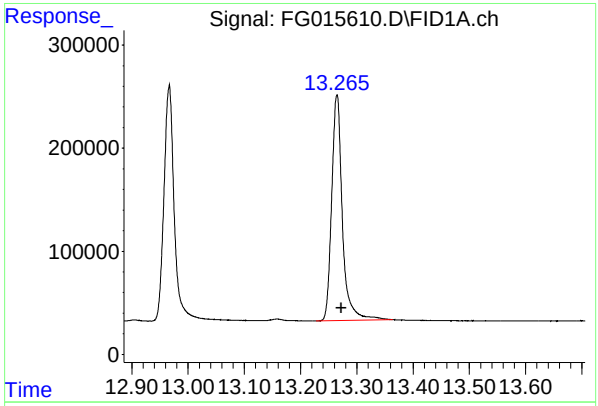
#11 ortho-Terphenyl (SURR)

R.T.: 11.910 min
Delta R.T.: -0.008 min
Response: 3164272
Conc: 21.70 ug/ml



#12 Fluoranthene (C21.85)

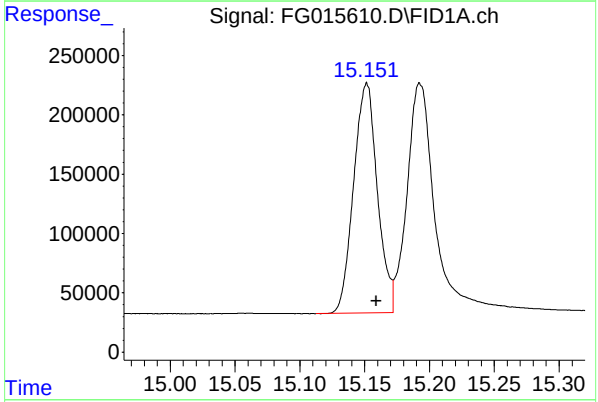
R.T.: 12.966 min
Delta R.T.: -0.007 min
Response: 2867503
Conc: 20.11 ug/ml



#13 Pyrene (C20.8)

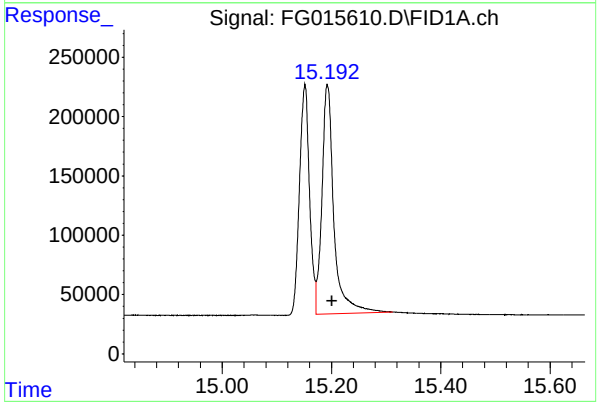
R.T.: 13.265 min
Delta R.T.: -0.008 min
Response: 2890103
Conc: 20.60 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



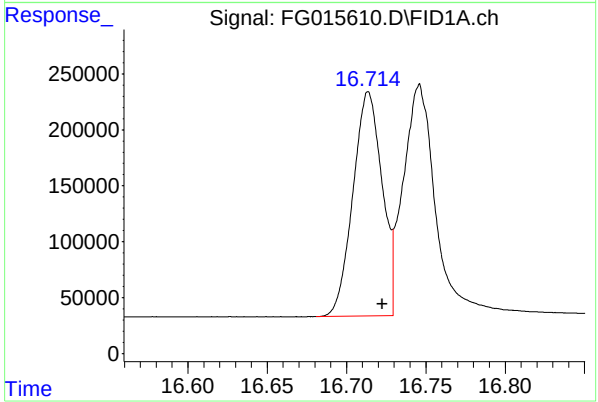
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.151 min
Delta R.T.: -0.008 min
Response: 2467231
Conc: 18.19 ug/ml



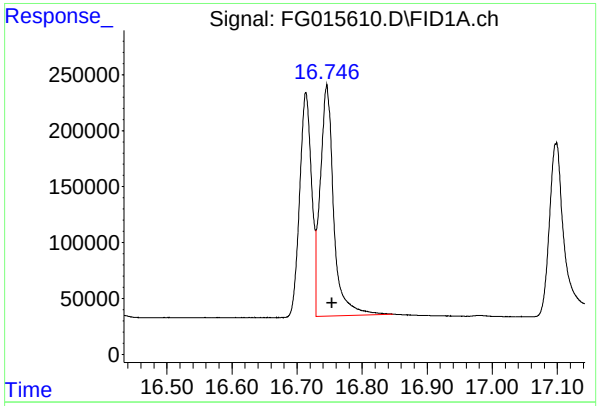
#15 Chrysene (C27.41)

R.T.: 15.193 min
Delta R.T.: -0.008 min
Response: 2943610
Conc: 21.03 ug/ml



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

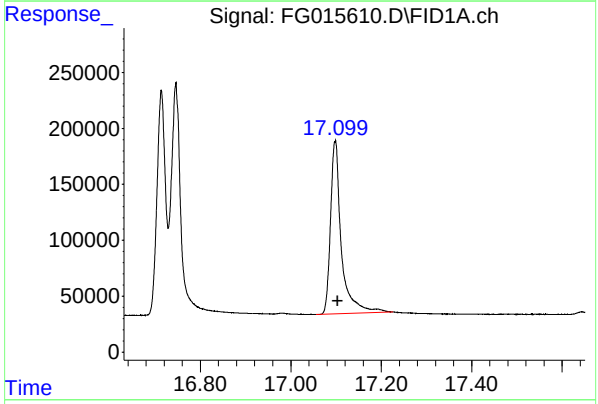
R.T.: 16.714 min
Delta R.T.: -0.009 min
Response: 2555254
Conc: 19.34 ug/ml



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

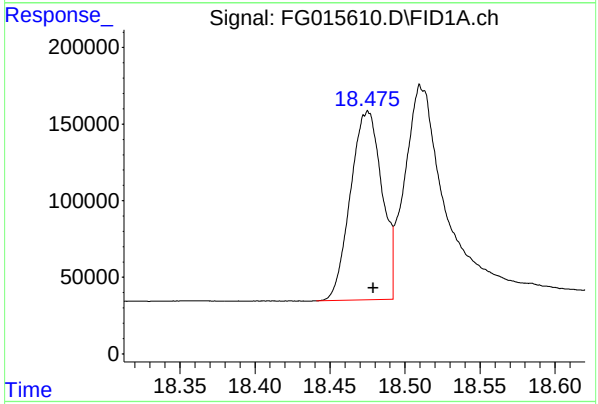
R.T.: 16.746 min
Delta R.T.: -0.008 min
Response: 2978574
Conc: 21.82 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD



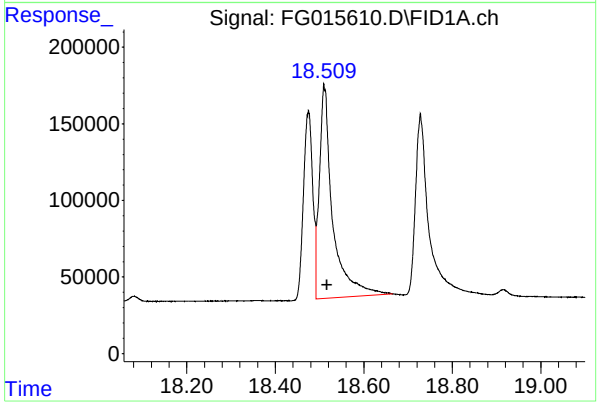
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.098 min
Delta R.T.: -0.005 min
Response: 2585110
Conc: 20.61 ug/ml



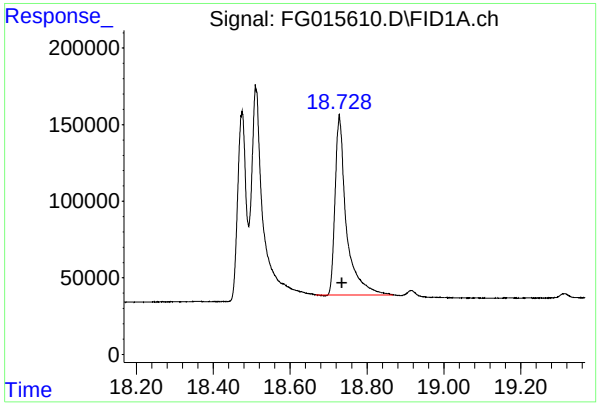
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.475 min
Delta R.T.: -0.004 min
Response: 1793652
Conc: 16.12 ug/ml



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

R.T.: 18.511 min
Delta R.T.: -0.006 min
Response: 2921070
Conc: 22.70 ug/ml



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

R.T.: 18.728 min
Delta R.T.: -0.007 mi
Response: 2389229
Conc: 19.99 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015610.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 23:50
Sample : 20 PPM AROMATIC HC STD
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	4.550	4.516	4.622	BB	274773	2911761	92.02%	5.089%
2	6.229	6.194	6.324	BB	262869	2911197	92.00%	5.088%
3	7.330	7.291	7.429	BB	253876	2904196	91.78%	5.076%
4	7.960	7.931	8.056	BB	236585	2654566	83.89%	4.640%
5	8.635	8.601	8.714	BB	280321	3050683	96.41%	5.332%
6	8.838	8.806	8.907	BV	144334	1756828	55.52%	3.071%
7	8.935	8.907	9.021	VB	274018	3023388	95.55%	5.284%
8	9.728	9.689	9.829	BB	233333	2922312	92.35%	5.108%
9	11.139	11.086	11.189	BV	235980	2827650	89.36%	4.942%
10	11.214	11.189	11.319	VB	201068	2695276	85.18%	4.711%
11	11.910	11.871	11.981	BB	275279	3164272	100.00%	5.531%
12	12.966	12.931	13.052	BB	227174	2867503	90.62%	5.012%
13	13.265	13.227	13.364	BB	218725	2890103	91.34%	5.051%
14	15.151	15.112	15.172	BV	193237	2467231	77.97%	4.312%
15	15.193	15.172	15.312	VB	193180	2943610	93.03%	5.145%
16	16.714	16.681	16.729	BV	200638	2555254	80.75%	4.466%
17	16.746	16.729	16.847	VB	205794	2978574	94.13%	5.206%
18	17.098	17.056	17.226	BB	154635	2585110	81.70%	4.518%
19	18.475	18.441	18.492	BV	121938	1793652	56.68%	3.135%
20	18.511	18.492	18.666	VB	137540	2921070	92.31%	5.106%
21	18.728	18.667	18.867	BB	117367	2389229	75.51%	4.176%
			Sum of corrected areas:			57213466		

Aromatic EPH 031725.M Wed Apr 02 02:27:50 2025

Evaluate Continuing Calibration Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015610.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 23:50
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Apr 02 02:16:26 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

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

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	T	1,2,3-Trimethylbenzene (C10	132.887	145.588	E3	-9.6	110	0.00
2	T	Naphthalene (C11.7)	135.106	145.560	E3	-7.7	108	0.00
3	T	2-Methylnaphthalene (C12.89	133.392	145.210	E3	-8.9	108	0.00
4	S	2-Bromonaphthalene (SURR)	122.155	132.728	E3	-8.7	108	0.00
5	T	Acenaphthylene (C15.06)	141.629	152.534	E3	-7.7	107	0.00
6	S	2-Flurobiphenyl (SURR)	82.657	87.841	E3	-6.3	104	0.00
7	T	Acenaphthene (C15.5)	136.433	151.169	E3	-10.8	110	0.00
8	T	Flouorene (C16.55)	139.604	146.116	E3	-4.7	104	0.00
9	T	Phenanthrene (C19.36)	140.883	141.383	E3	-0.4	100	0.00
10	T	Anthracene (C19.43)	136.841	134.764	E3	1.5	98	0.00
11	S	ortho-Terphenyl (SURR)	145.829	158.214	E3	-8.5	109	0.00
12	T	Fluoranthene (C21.85)	142.605	143.375	E3	-0.5	100	0.00
13	T	Pyrene (C20.8)	140.314	144.505	E3	-3.0	103	0.00
14	T	Benzo[a]anthracene (C26.37)	135.632	123.362	E3	9.0	90	0.00
15	T	Chrysene (C27.41)	139.992	147.181	E3	-5.1	106	0.00
16	T	benzo[b]fluoranthene (C30.4	132.140	127.763	E3	3.3	96	0.00
17	T	Bnezo[k]fluoranthene (C30.1	136.537	148.929	E3	-9.1	110	0.00
18	T	Benzo[a]pyrene (C31.34)	125.402	129.255	E3	-3.1	103	0.00
19	T	Indeno[1,2,3-cd]pyrene (C35	111.261	89.683	E3	19.4	82	0.00
20	T	Dibenz[a,h]anthracene (C30.	128.681	146.053	E3	-13.5	112	0.00
21	T	Benzo[g,h,i]perylene (C34.0	119.494	119.461	E3	0.0	101	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167362BL	SDG No.:	Q1664
Lab Sample ID:	PB167362BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 16:30	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FF015743.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FF015743.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FF015743.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FF015743.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FF015743.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FG015573.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FG015573.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FG015573.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.66	mg/kg	FG015573.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.00	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

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167362BL	SDG No.:	Q1664
Lab Sample ID:	PB167362BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015743.D	1	03/28/25	03/28/25	PB167362

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)		34.8		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167362BL	Acq On:	28 Mar 2025 16:30
Client Sample ID:	PB167362BL	Operator:	YP\AJ
Data file:	FF015743.D	Misc:	
Instrument:	FID_F	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	0	0	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.634	0	0	300	ug/ml
Aliphatic C21-C28	13.635	17.200	0	0	400	ug/ml
Aliphatic C28-C40	17.201	22.202	0	0	600	ug/ml
Aliphatic EPH	3.211	22.202	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	3946197	34.77		ug/ml
Aliphatic C9-C28	3.211	17.200	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015743.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 16:30
Operator : YP\AJ
Sample : PB167362BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167362BL

Integration File: autoint1.e
Quant Time: Mar 29 01:01:44 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	3946197	34.770 ug/ml
Spiked Amount 50.000		Recovery = 69.54%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

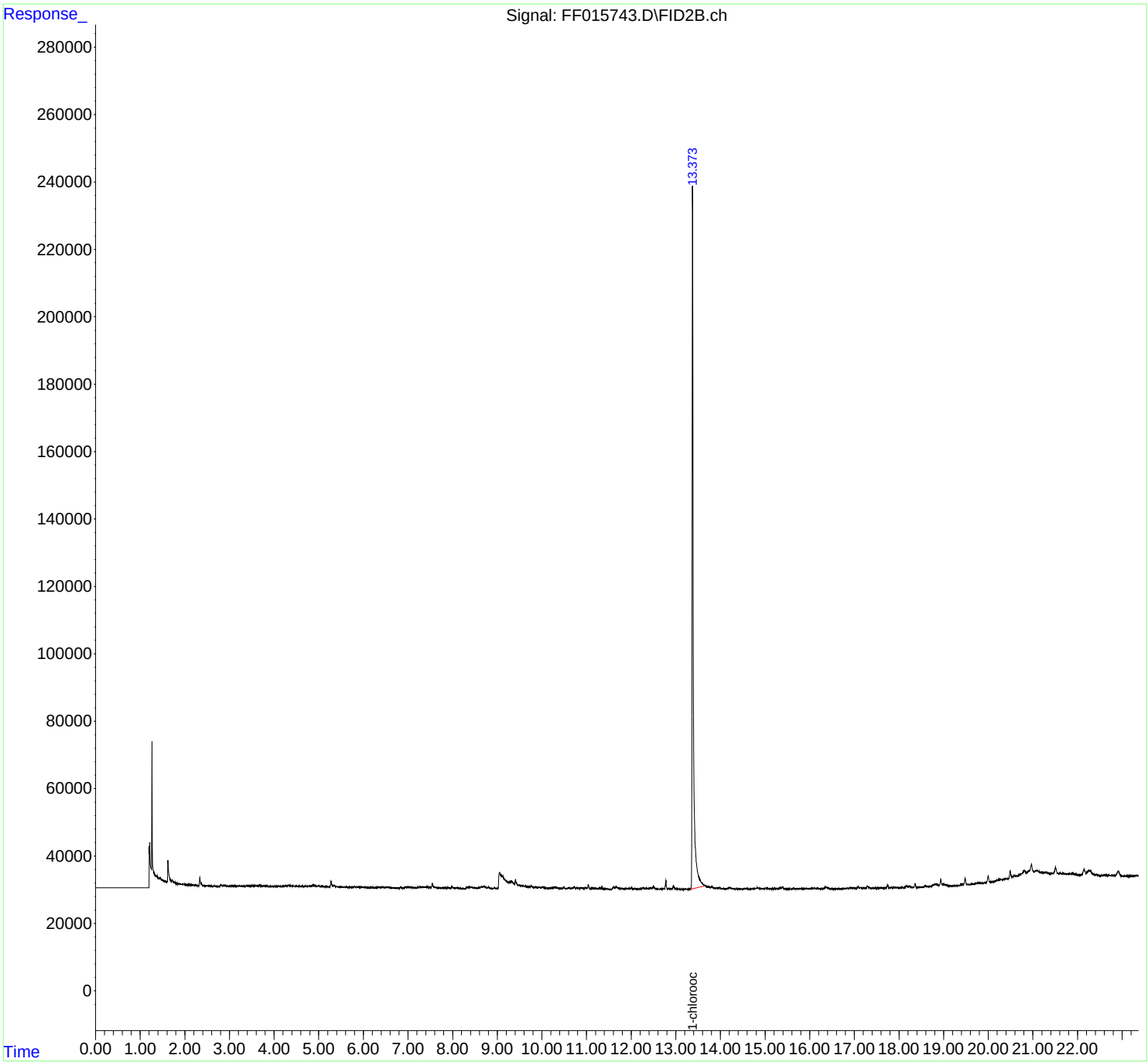
Quantitation Report (QT Reviewed)

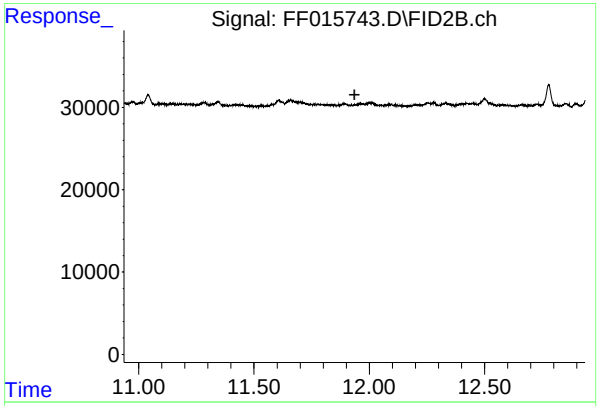
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015743.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 16:30
Operator : YP\AJ
Sample : PB167362BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167362BL

Integration File: autoint1.e
Quant Time: Mar 29 01:01:44 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

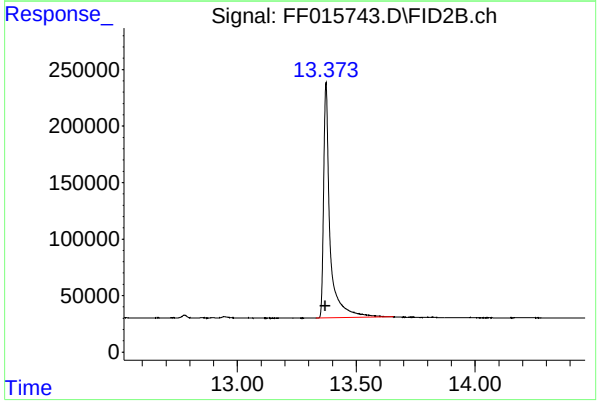




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_F
ClientSampleId :
PB167362BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.002 min
Response: 3946197
Conc: 34.77 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015743.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 16:30
Sample : PB167362BL
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	13.373	13.331	13.655	BB	208018	3946197	100.00%	100.000%
			Sum of corrected areas:			3946197		

Aliphatic EPH 031725.M Sat Mar 29 01:54:43 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167362BL	SDG No.:	Q1664
Lab Sample ID:	PB167362BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015573.D	1	03/28/25	03/28/25	PB167362

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	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.1		40 - 140	100%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.3		40 - 140	87%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167362BL	Acq On:	28 Mar 2025 16:30
Client Sample ID:	PB167362BL	Operator:	YP\AJ
Data file:	FG015573.D	Misc:	
Instrument:	FID_G	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.039	0	0	300	ug/ml
Aromatic C16-C21	9.040	13.371	0	0	500	ug/ml
Aromatic C21-C36	13.372	18.837	0	0	800	ug/ml
Aromatic EPH	4.449	18.837	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	6120185	50.1		ug/ml
2-Flurobiphenyl (SURR)	8.841	8.841	3208913	38.82		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	6311150	43.28		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015573.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:30
Operator : YP\AJ
Sample : PB167362BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167362BL

Integration File: autoint1.e
Quant Time: Mar 29 03:12:32 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...	7.964	6120185	50.102 ug/ml
Spiked Amount 50.000		Recovery = 100.20%	
6) S 2-Flurobiphenyl (SURR)	8.841	3208913	38.822 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 77.64%	
11) S ortho-Terphenyl (SURR)	11.916	6311150	43.278 ug/ml
Spiked Amount 50.000		Recovery = 86.56%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

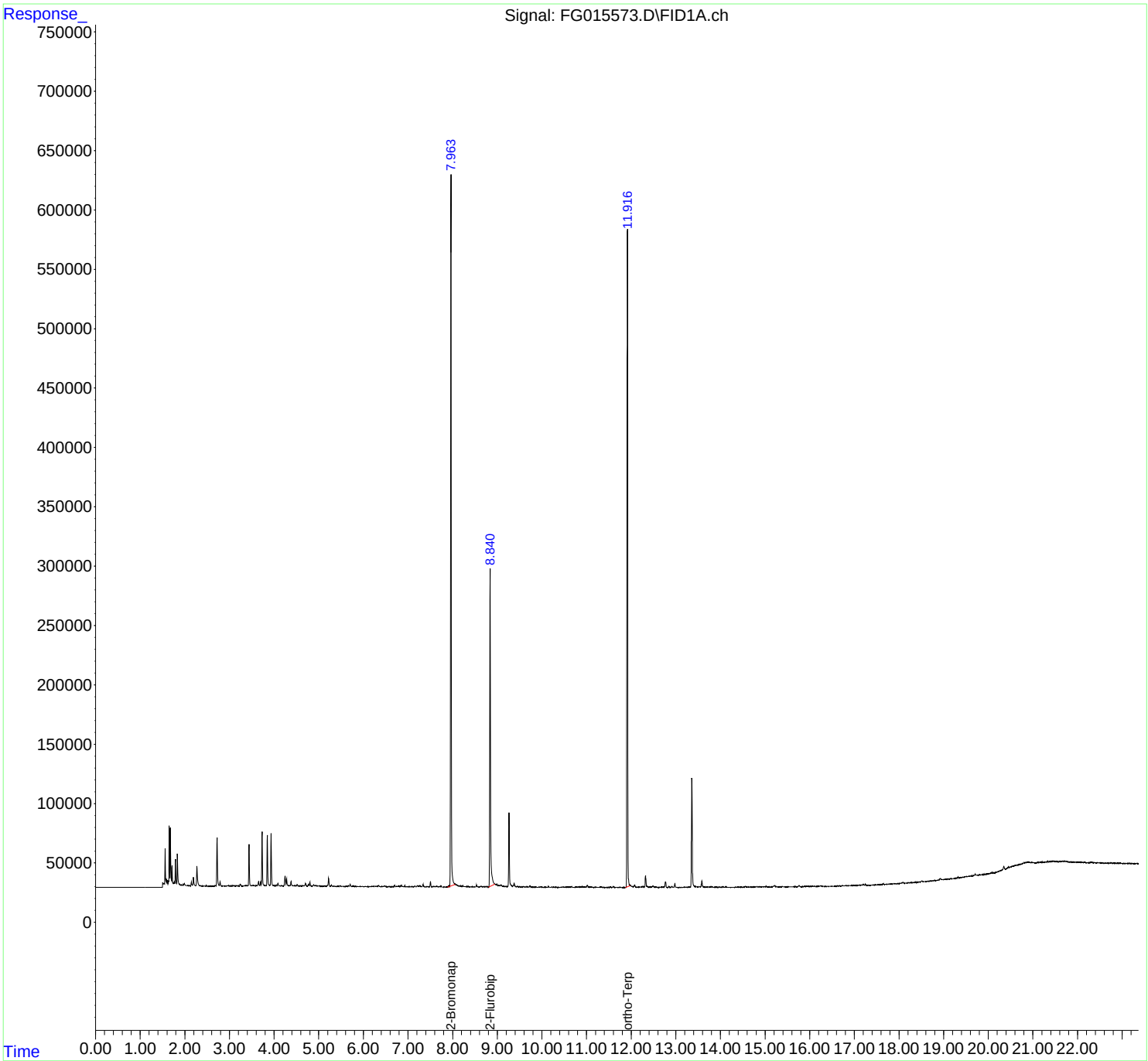
Quantitation Report (QT Reviewed)

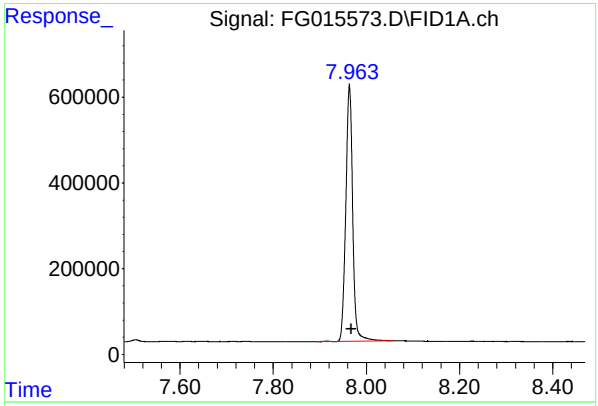
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015573.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:30
Operator : YP\AJ
Sample : PB167362BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167362BL

Integration File: autoint1.e
Quant Time: Mar 29 03:12:32 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

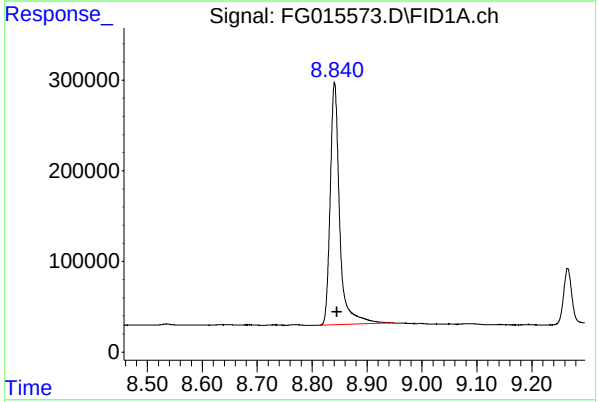




#4 2-Bromonaphthalene (SURR)

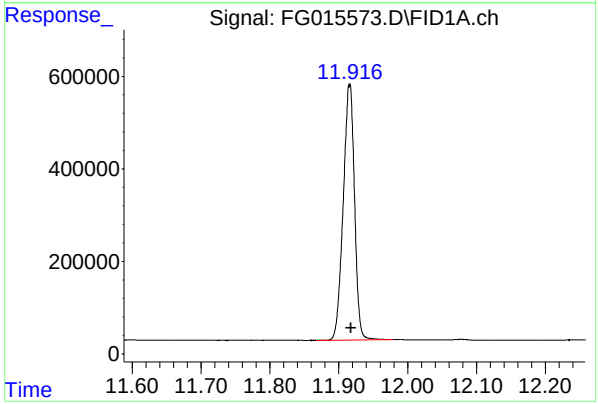
R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 6120185
Conc: 50.10 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.004 min
Response: 3208913
Conc: 38.82 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.916 min
Delta R.T.: -0.002 min
Response: 6311150
Conc: 43.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015573.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:30
Sample : PB167362BL
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	7.964	7.892	8.057	BB	598008	6120185	96.97%	39.131%
2	8.841	8.807	8.947	BB	267545	3208913	50.85%	20.517%
3	11.916	11.867	11.979	BB	550949	6311150	100.00%	40.352%
			Sum of corrected areas:			15640248		

Aromatic EPH 031725.M Sat Mar 29 03:54:14 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167402BL			SDG No.:	Q1664
Lab Sample ID:	PB167402BL			Matrix:	Water
Analytical Method:	NJEPH			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015595.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.07	U	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.26	U	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	8.27	U	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.1		40 - 140	120%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.8		40 - 140	106%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167402BL	Acq On:	01 Apr 2025 16:02
Client Sample ID:	PB167402BL	Operator:	YP\AJ
Data file:	FG015595.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	4.450	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.035	0	0	300	ug/ml
Aromatic C16-C21	9.036	13.365	0	0	500	ug/ml
Aromatic C21-C36	13.366	18.829	0	0	800	ug/ml
Aromatic EPH	4.450	18.829	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.959	7.959	7343964	60.12		ug/ml
2-Flurobiphenyl (SURR)	8.837	8.837	3607153	43.64		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	7695775	52.77		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015595.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:02
Operator : YP\AJ
Sample : PB167402BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167402BL

Integration File: autoint1.e
Quant Time: Apr 02 01:15:29 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...	7.959	7343964	60.120 ug/ml
Spiked Amount 50.000		Recovery = 120.24%	
6) S 2-Flurobiphenyl (SURR)	8.837	3607153	43.640 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 87.28%	
11) S ortho-Terphenyl (SURR)	11.913	7695775	52.773 ug/ml
Spiked Amount 50.000		Recovery = 105.55%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

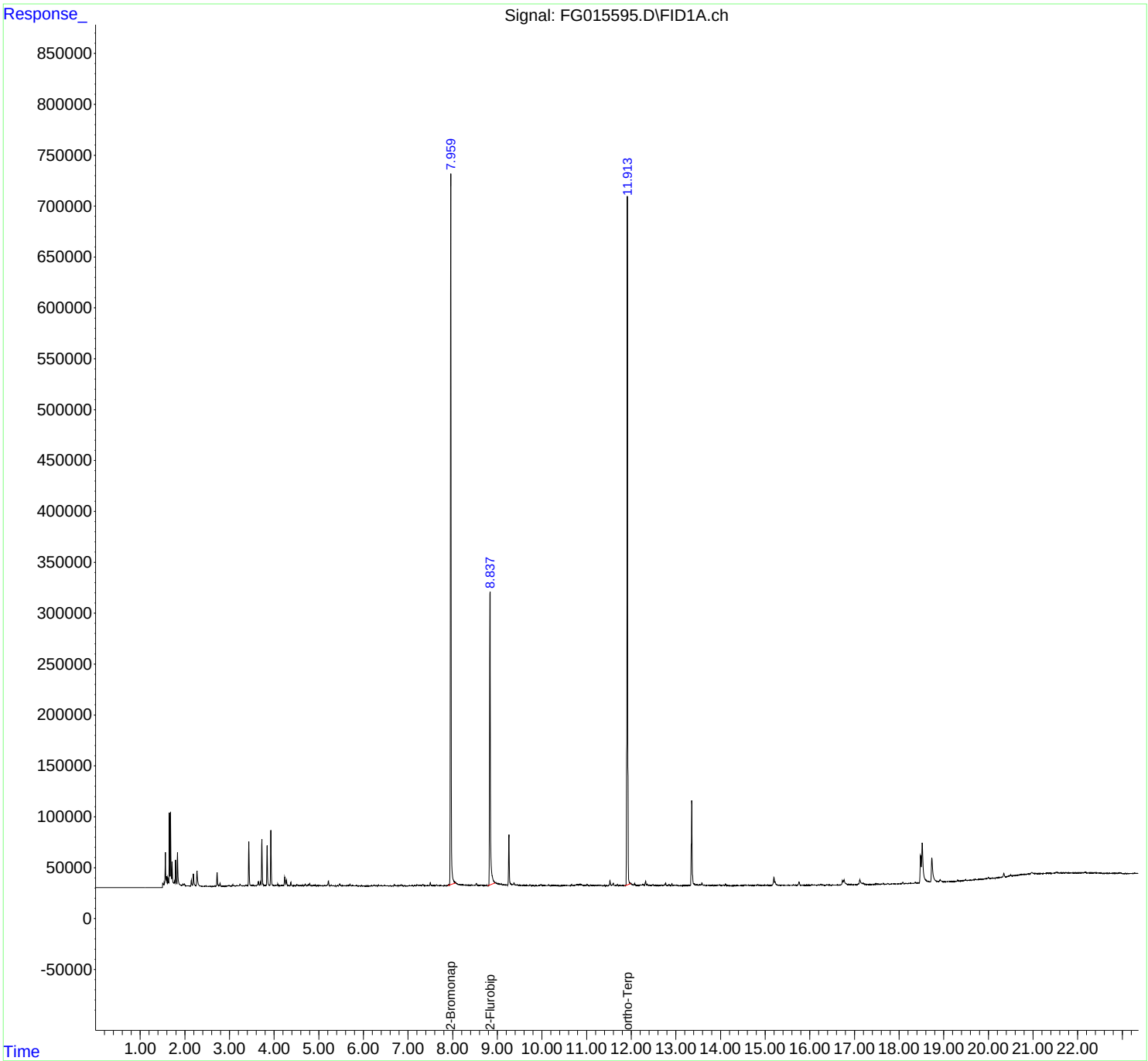
Quantitation Report (QT Reviewed)

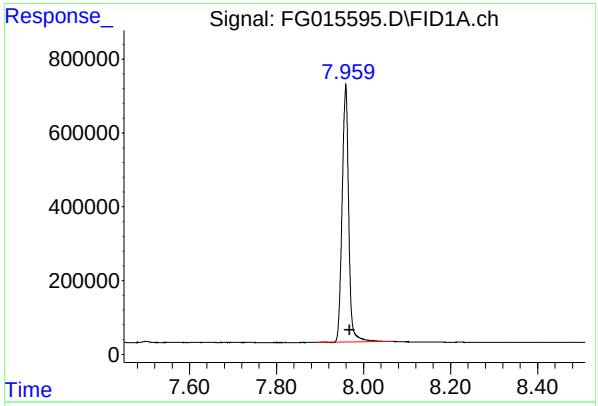
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015595.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:02
Operator : YP\AJ
Sample : PB167402BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167402BL

Integration File: autoint1.e
Quant Time: Apr 02 01:15:29 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

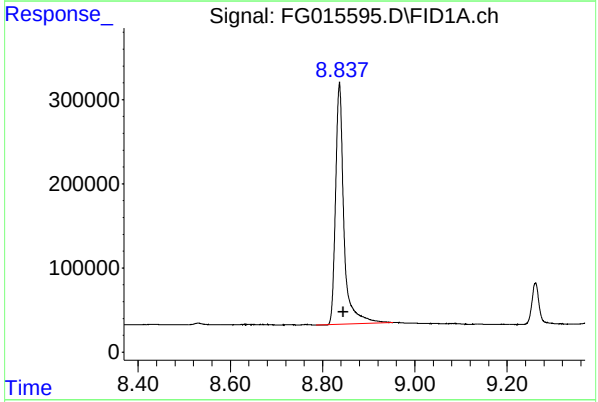




#4 2-Bromonaphthalene (SURR)

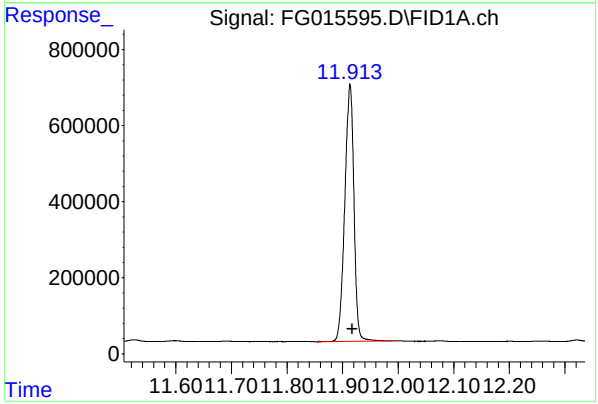
R.T.: 7.959 min
Delta R.T.: -0.009 min
Response: 7343964
Conc: 60.12 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167402BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.837 min
Delta R.T.: -0.008 min
Response: 3607153
Conc: 43.64 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.004 min
Response: 7695775
Conc: 52.77 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015595.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:02
Sample : PB167402BL
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	7.959	7.891	8.067	BB	699053	7343964	95.43%	39.384%
2	8.837	8.786	8.952	BB	285200	3607153	46.87%	19.345%
3	11.913	11.852	11.991	BB	677246	7695775	100.00%	41.271%
			Sum of corrected areas:			18646892		

Aromatic EPH 031725.M Wed Apr 02 02:24:31 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167402BL	SDG No.:	Q1664
Lab Sample ID:	PB167402BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 16:10	PB167402

CAS Number	Parameter		Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12		8.28	U	1	8.28	30.0	ug/l	FC068469.D
Aliphatic C12-C16	Aliphatic C12-C16		13.5	U	1	13.5	20.0	ug/l	FC068469.D
Aliphatic C16-C21	Aliphatic C16-C21		8.34	U	1	8.34	30.0	ug/l	FC068469.D
Aliphatic C21-C28	Aliphatic C21-C28		12.5	U	1	12.5	40.0	ug/l	FC068469.D
Aliphatic C28-C40	Aliphatic C28-C40		23.8	U	1	23.8	60.0	ug/l	FC068469.D
Aromatic C10-C12	Aromatic C10-C12		2.07	U	1	2.07	20.0	ug/l	FG015595.D
Aromatic C12-C16	Aromatic C12-C16		4.26	U	1	4.26	30.0	ug/l	FG015595.D
Aromatic C16-C21	Aromatic C16-C21		8.27	U	1	8.27	50.0	ug/l	FG015595.D
Aromatic C21-C36	Aromatic C21-C36		23.8	U	1	23.8	80.0	ug/l	FG015595.D
Total AliphaticEPH	Total AliphaticEPH		66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH		38.4	U		38.4	180	ug/l	
Total EPH	Total EPH		105	U		105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167402BL		SDG No.:	Q1664	
Lab Sample ID:	PB167402BL		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068469.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167402BL	Acq On:	01 Apr 2025 16:10
Client Sample ID:	PB167402BL	Operator:	YP/AJ
Data file:	FC068469.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	0	0	300	ug/ml
Aliphatic C12-C16	6.360	9.742	0	0	200	ug/ml
Aliphatic C16-C21	9.743	13.096	0	0	300	ug/ml
Aliphatic C21-C28	13.097	16.749	0	0	400	ug/ml
Aliphatic C28-C40	16.750	21.544	0	0	600	ug/ml
Aliphatic EPH	3.097	21.544	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	4954304	33.23		ug/ml
Aliphatic C9-C28	3.097	16.749	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068469.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:10
Operator : YP/AJ
Sample : PB167402BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167402BL

Integration File: autoint1.e
Quant Time: Apr 02 02:58:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.828	4954304	33.234 ug/ml
Spiked Amount 50.000		Recovery = 66.47%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

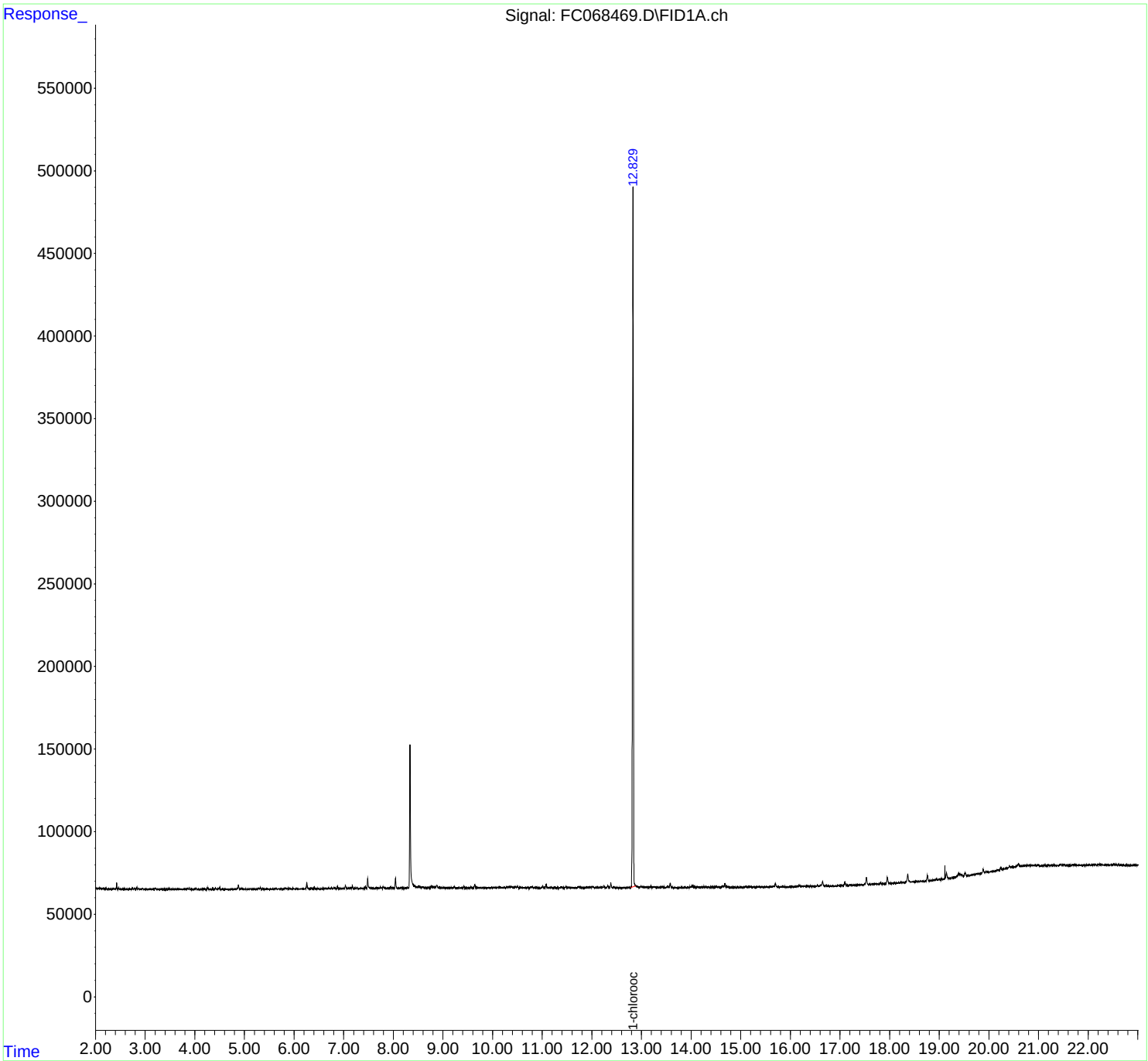
Quantitation Report (QT Reviewed)

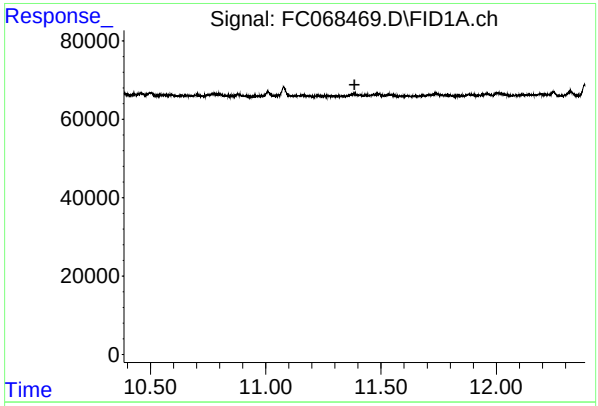
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068469.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:10
Operator : YP/AJ
Sample : PB167402BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167402BL

Integration File: autoint1.e
Quant Time: Apr 02 02:58:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

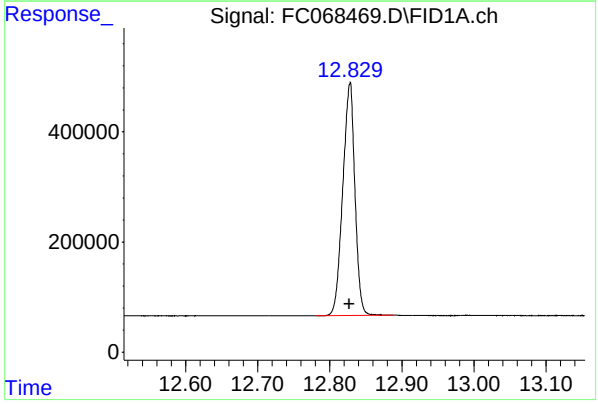




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB167402BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.000 min
Response: 4954304
Conc: 33.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068469.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:10
Sample : PB167402BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.828	12.781	12.888	BB	423034	4954304	100.00%	100.000%
			Sum of corrected areas:			4954304		

Aliphatic EPH 032625.M Wed Apr 02 03:29:10 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	26 Mar 2025 09:49
Client Sample ID:	I.BLK	Operator:	YP/AJ
Data file:	FC068400.D	Misc:	
Instrument:	FID_C	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.361	0	0	300	ug/ml
Aliphatic C12-C16	6.362	9.744	0	0	200	ug/ml
Aliphatic C16-C21	9.745	13.097	0	0	300	ug/ml
Aliphatic C21-C28	13.098	16.748	0	0	400	ug/ml
Aliphatic C28-C40	16.749	21.545	0	0	600	ug/ml
Aliphatic EPH	3.099	21.545	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.099	16.748	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068400.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 09:49
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 26 15:11:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

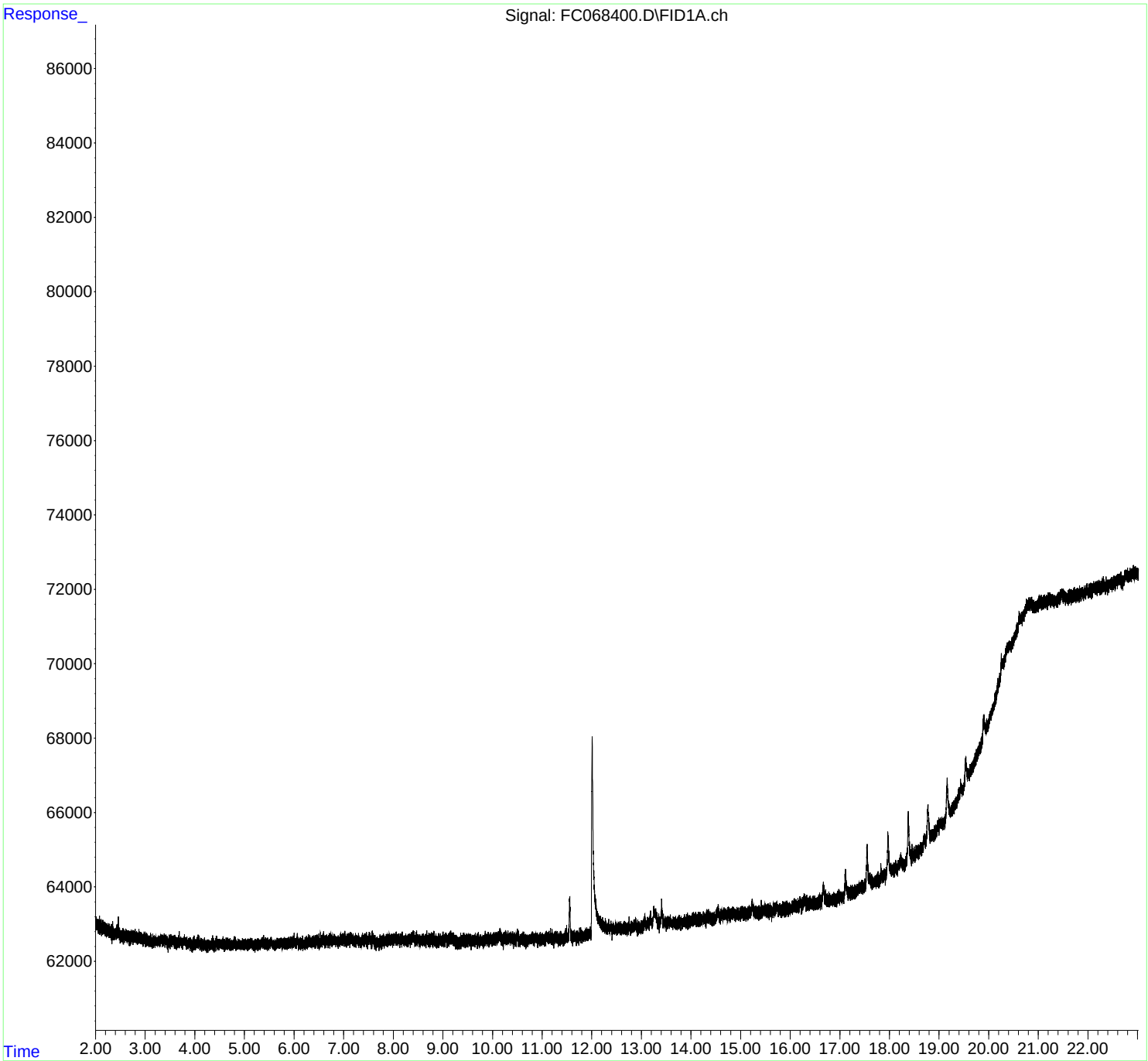
Quantitation Report (QT Reviewed)

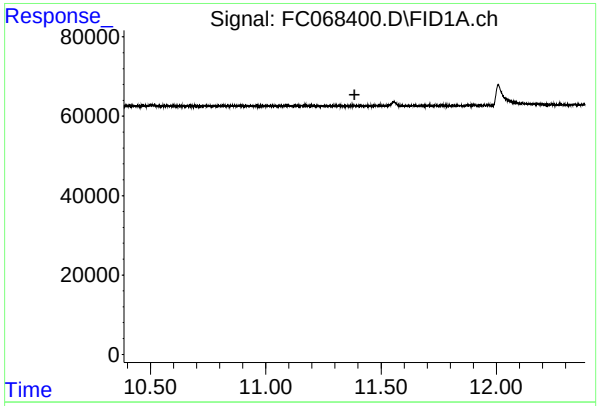
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068400.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 09:49
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 26 15:11:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

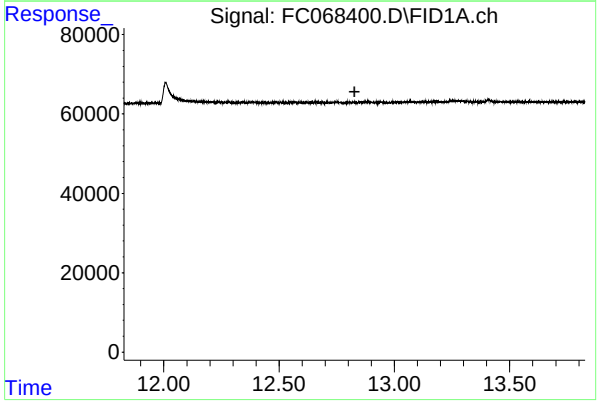




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.827 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068400.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 09:49
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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

No peaks were detected!

Aliphatic EPH 032625.M Wed Mar 26 15:21:08 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	28 Mar 2025 10:25
Client Sample ID:	I.BLK	Operator:	YP/AJ
Data file:	FC068431.D	Misc:	
Instrument:	FID_C	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	0	0	300	ug/ml
Aliphatic C12-C16	6.361	9.742	0	0	200	ug/ml
Aliphatic C16-C21	9.743	13.094	0	0	300	ug/ml
Aliphatic C21-C28	13.095	16.746	0	0	400	ug/ml
Aliphatic C28-C40	16.747	21.538	0	0	600	ug/ml
Aliphatic EPH	3.100	21.538	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.100	16.746	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068431.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 10:25
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 02:29:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

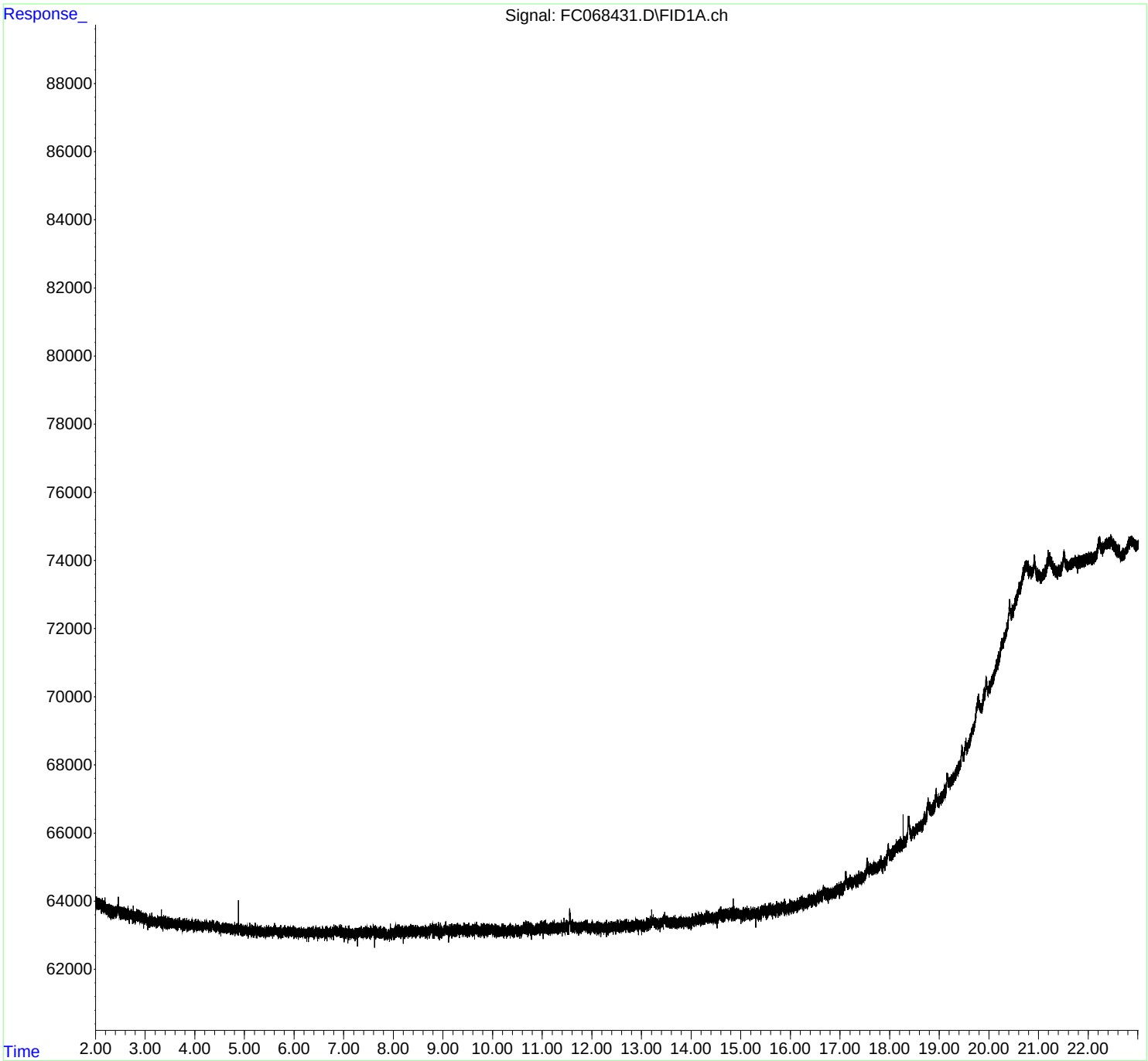
Quantitation Report (QT Reviewed)

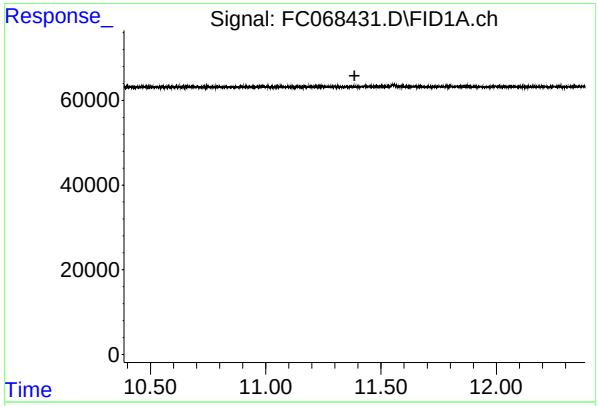
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068431.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 10:25
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 02:29:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

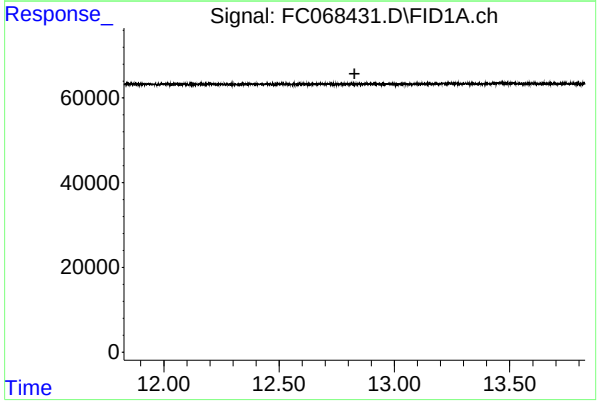




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.827 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068431.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 10:25
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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

No peaks were detected!

Aliphatic EPH 032625.M Sat Mar 29 02:50:16 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	28 Mar 2025 21:44
Client Sample ID:	I.BLK	Operator:	YP/AJ
Data file:	FC068440.D	Misc:	
Instrument:	FID_C	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	0	0	300	ug/ml
Aliphatic C12-C16	6.361	9.742	0	0	200	ug/ml
Aliphatic C16-C21	9.743	13.094	0	0	300	ug/ml
Aliphatic C21-C28	13.095	16.746	0	0	400	ug/ml
Aliphatic C28-C40	16.747	21.538	0	0	600	ug/ml
Aliphatic EPH	3.100	21.538	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.100	16.746	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068440.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 21:44
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 02:31:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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				
Target Compounds				

(f)=RT Delta > 1/2 Window (m)=manual int.

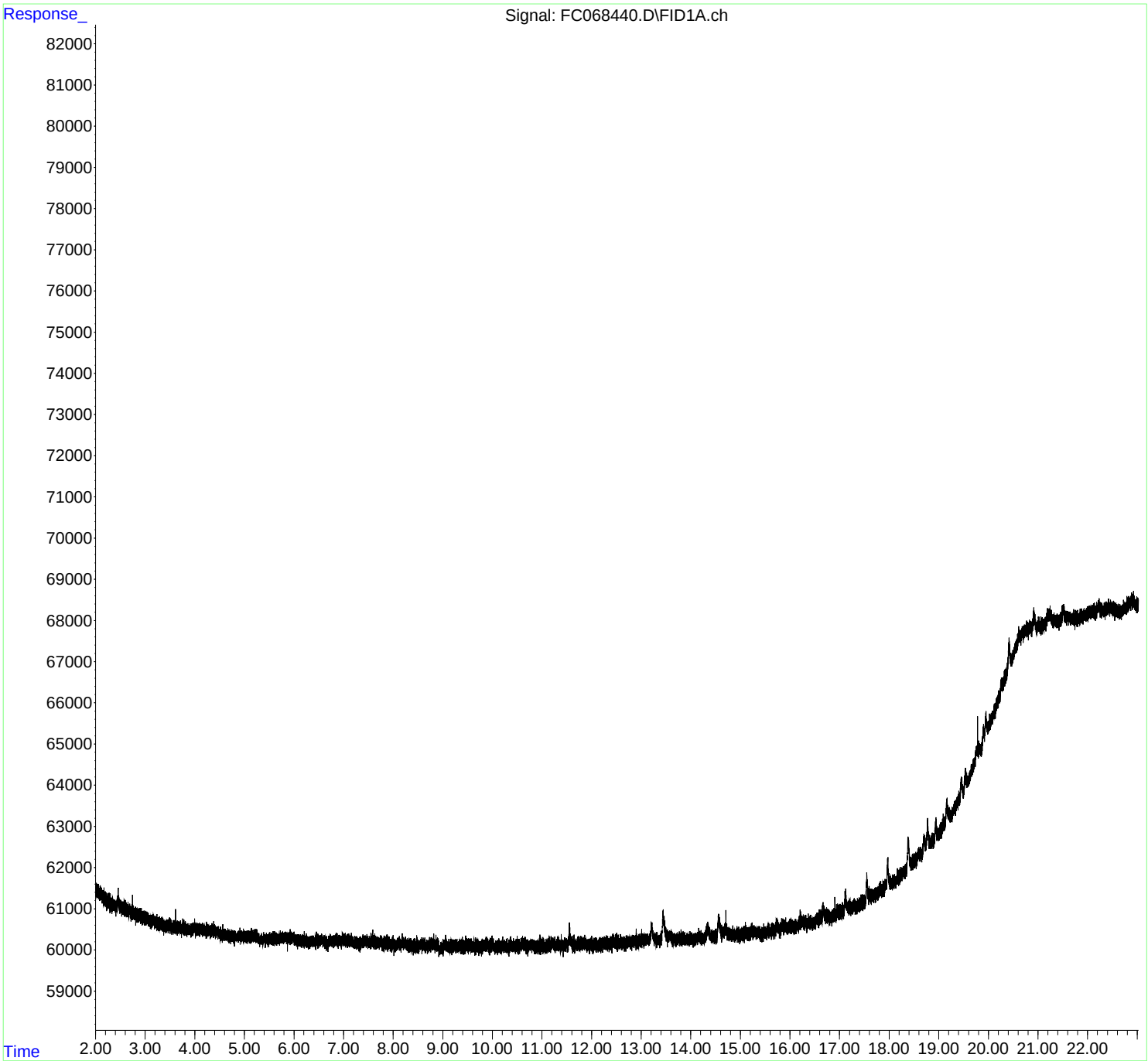
Quantitation Report (QT Reviewed)

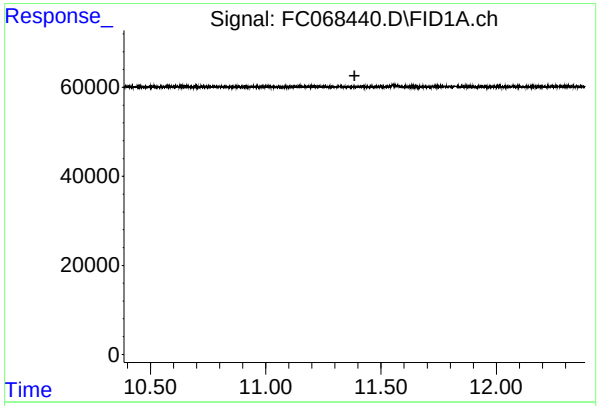
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068440.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 21:44
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 02:31:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

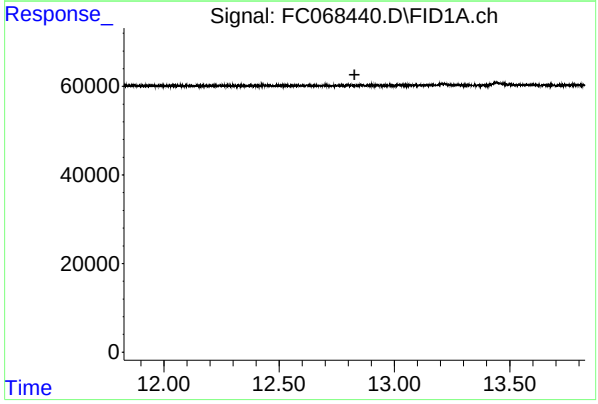




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.827 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032825AL\
Data File : FC068440.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 21:44
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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

No peaks were detected!

Aliphatic EPH 032625.M Sat Mar 29 02:50:56 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	01 Apr 2025 10:31
Client Sample ID:	I.BLK	Operator:	YP/AJ
Data file:	FC068467.D	Misc:	
Instrument:	FID_C	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

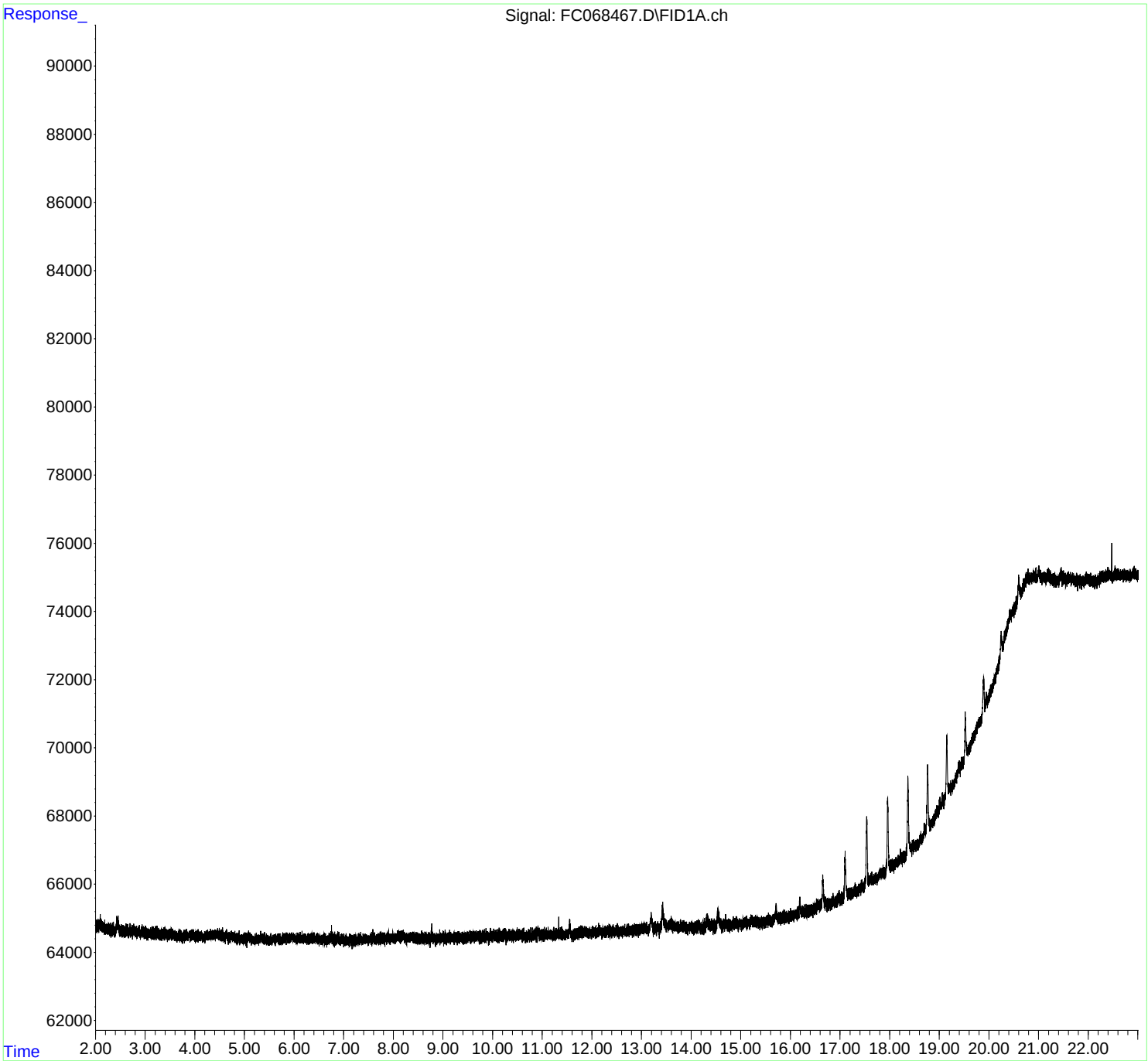
Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	0	0	300	ug/ml
Aliphatic C12-C16	6.360	9.742	0	0	200	ug/ml
Aliphatic C16-C21	9.743	13.096	0	0	300	ug/ml
Aliphatic C21-C28	13.097	16.749	0	0	400	ug/ml
Aliphatic C28-C40	16.750	21.544	0	0	600	ug/ml
Aliphatic EPH	3.097	21.544	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.097	16.749	0	0	1200	ug/ml

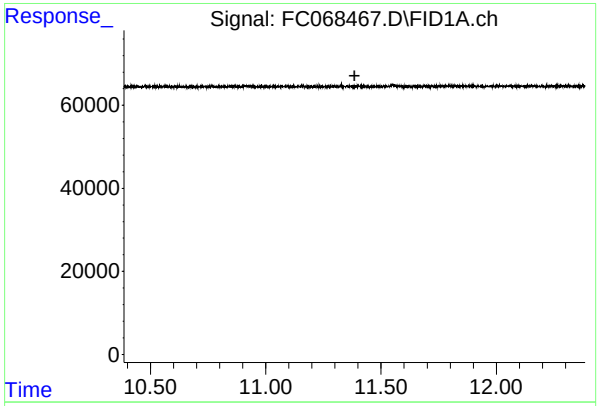
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068467.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 10:31
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 02:57:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

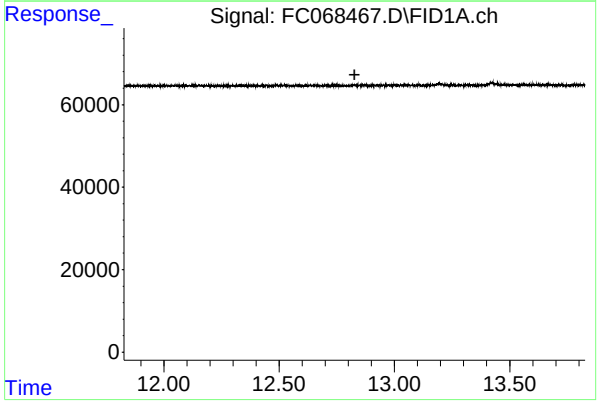




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.827 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068467.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 10:31
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 02:57:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068467.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 10:31
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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

No peaks were detected!

Aliphatic EPH 032625.M Wed Apr 02 03:28:28 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	02 Apr 2025 00:47
Client Sample ID:	I.BLK	Operator:	YP/AJ
Data file:	FC068483.D	Misc:	
Instrument:	FID_C	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	0	0	300	ug/ml
Aliphatic C12-C16	6.360	9.742	0	0	200	ug/ml
Aliphatic C16-C21	9.743	13.096	0	0	300	ug/ml
Aliphatic C21-C28	13.097	16.749	0	0	400	ug/ml
Aliphatic C28-C40	16.750	21.544	0	0	600	ug/ml
Aliphatic EPH	3.097	21.544	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.097	16.749	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068483.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 00:47
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 03:02:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

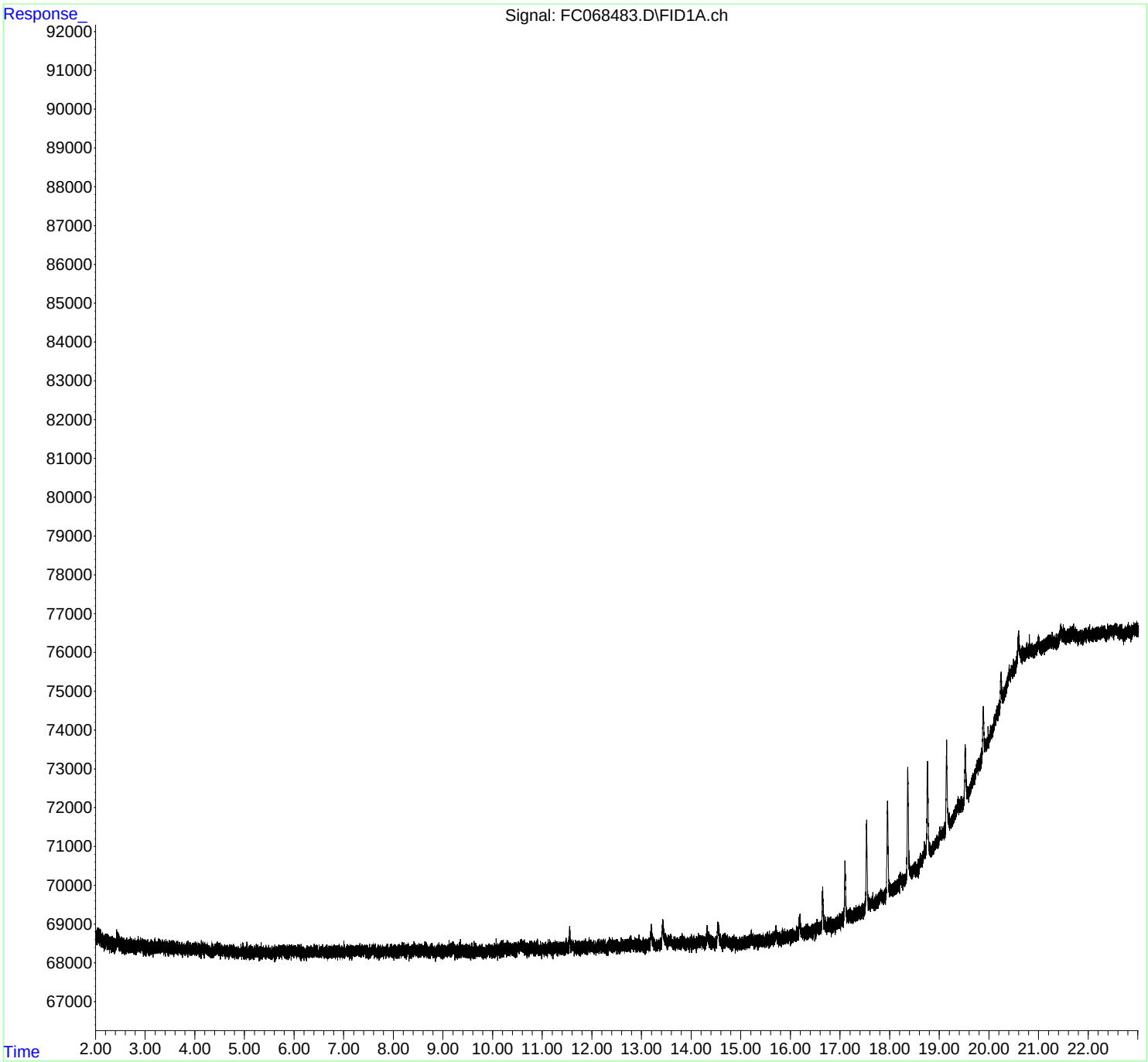
Quantitation Report (QT Reviewed)

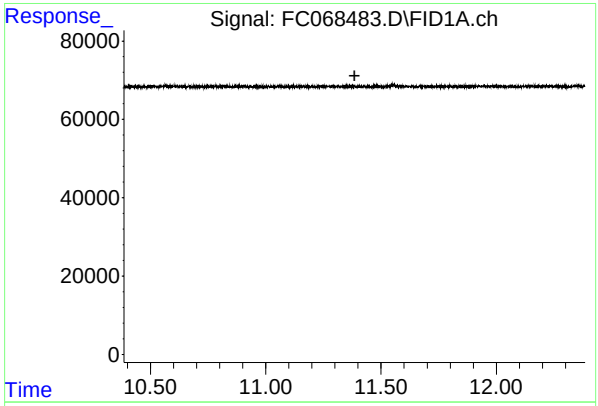
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068483.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 00:47
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 03:02:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

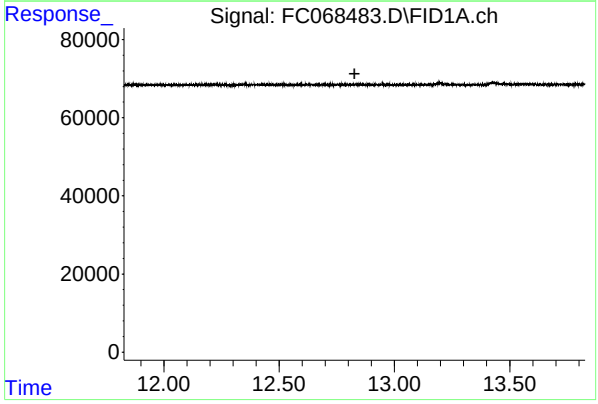




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.827 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068483.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 00:47
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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

No peaks were detected!

Aliphatic EPH 032625.M Wed Apr 02 03:30:17 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	17 Mar 2025 17:02
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FF015684.D	Misc:	
Instrument:	FID_F	ALS Vial:	51
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	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	17.300	0	0	400	ug/ml
Aliphatic C28-C40	17.301	22.197	0	0	600	ug/ml
Aliphatic EPH	3.209	22.197	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.209	17.300	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015684.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:02
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 18 02:33:35 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

Target Compounds

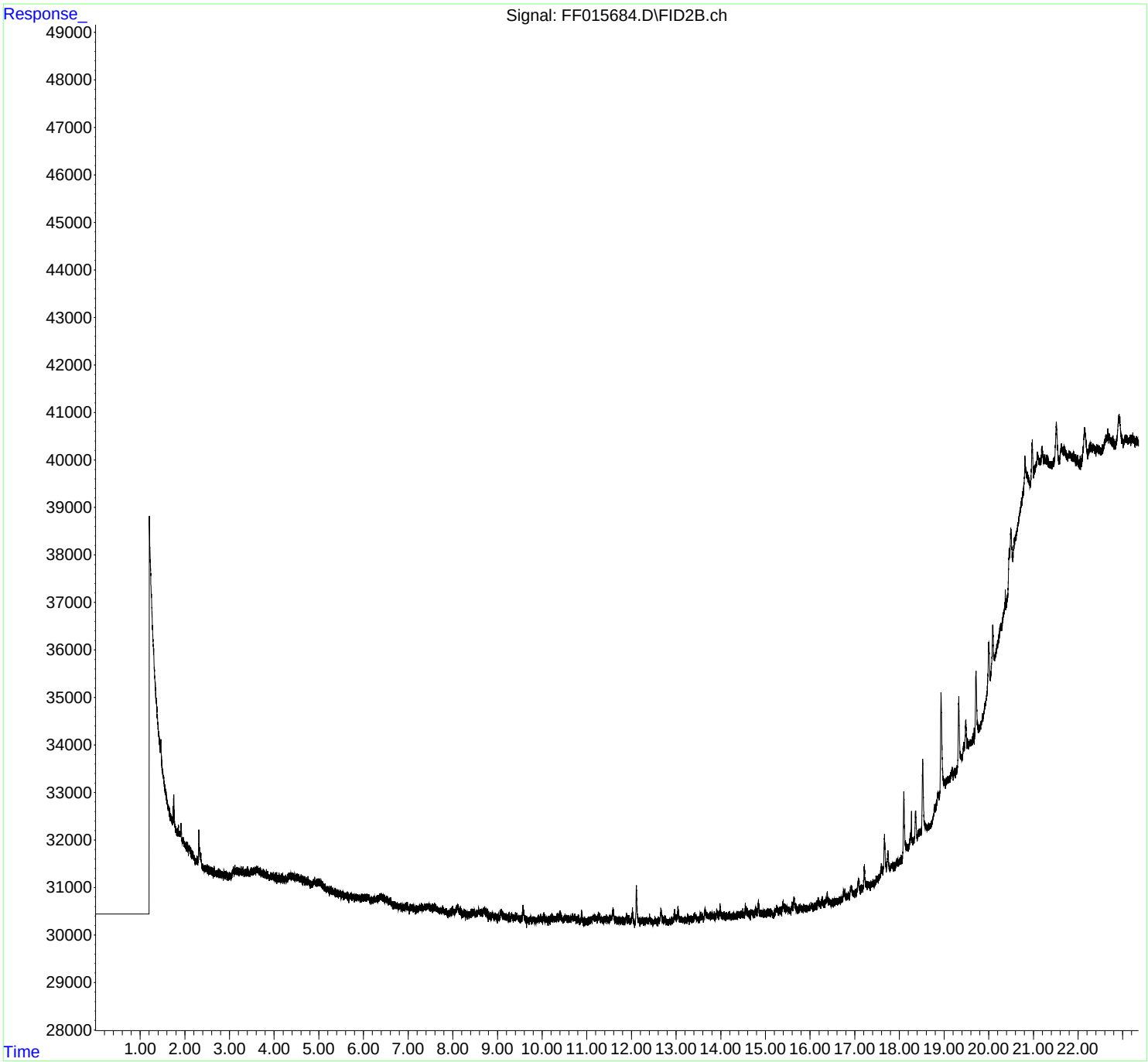
(f)=RT Delta > 1/2 Window (m)=manual int.

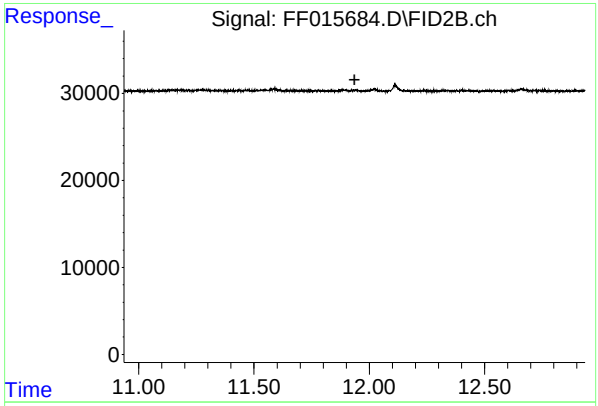
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015684.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:02
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 18 02:33:35 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

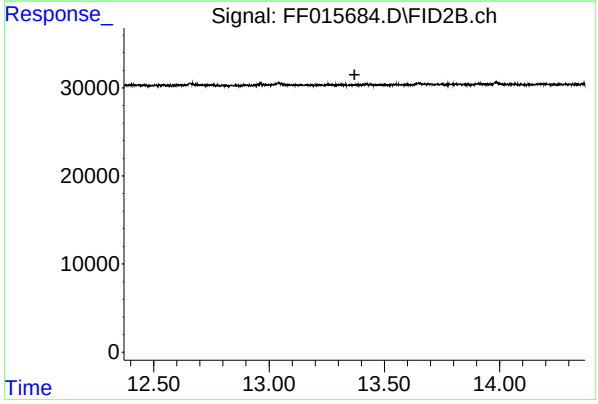




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_F
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.371 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015684.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:02
Sample : I.BLK
Misc :
ALS Vial : 51 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

No peaks were detected!

Aliphatic EPH 031725.M Tue Mar 18 02:42:04 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	28 Mar 2025 11:09
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FF015741.D	Misc:	
Instrument:	FID_F	ALS Vial:	51
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	0	0	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.634	0	0	300	ug/ml
Aliphatic C21-C28	13.635	17.200	0	0	400	ug/ml
Aliphatic C28-C40	17.201	22.202	0	0	600	ug/ml
Aliphatic EPH	3.211	22.202	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.211	17.200	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015741.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 01:01:09 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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

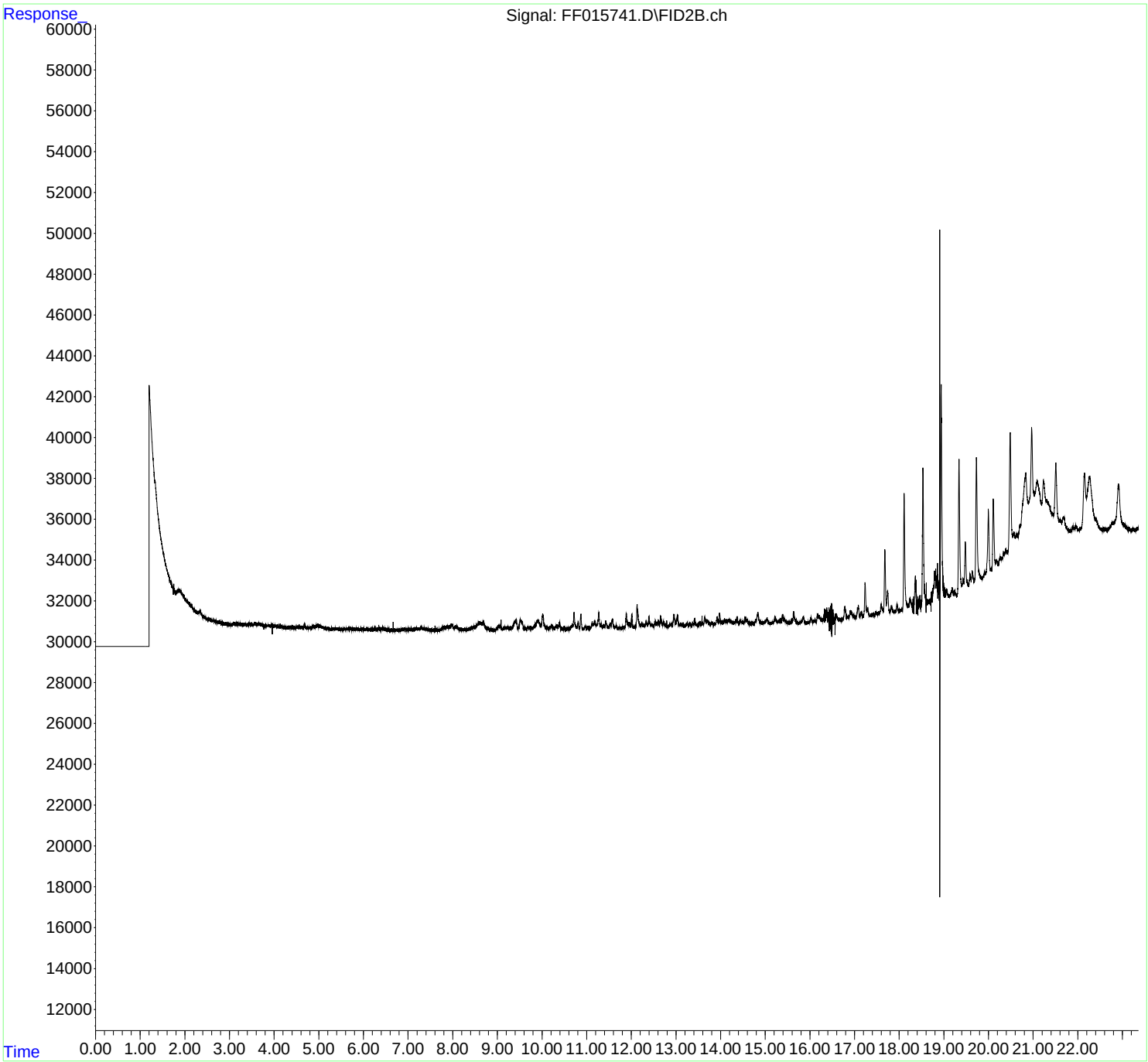
Quantitation Report (QT Reviewed)

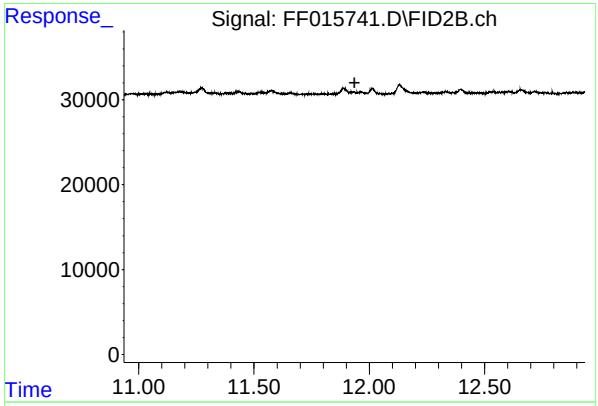
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015741.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 01:01:09 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

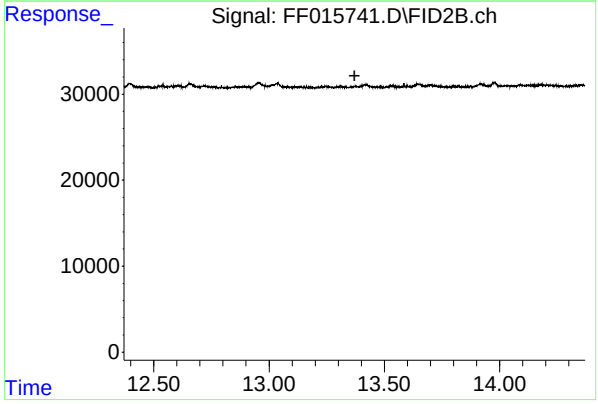




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_F
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.371 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015741.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 11:09
Sample : I.BLK
Misc :
ALS Vial : 51 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

No peaks were detected!

Aliphatic EPH 031725.M Sat Mar 29 01:52:24 2025

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	28 Mar 2025 20:53
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FF015751.D	Misc:	
Instrument:	FID_F	ALS Vial:	51
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	0	0	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.634	0	0	300	ug/ml
Aliphatic C21-C28	13.635	17.200	0	0	400	ug/ml
Aliphatic C28-C40	17.201	22.202	0	0	600	ug/ml
Aliphatic EPH	3.211	22.202	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.211	17.200	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015751.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 20:53
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 01:03:54 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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

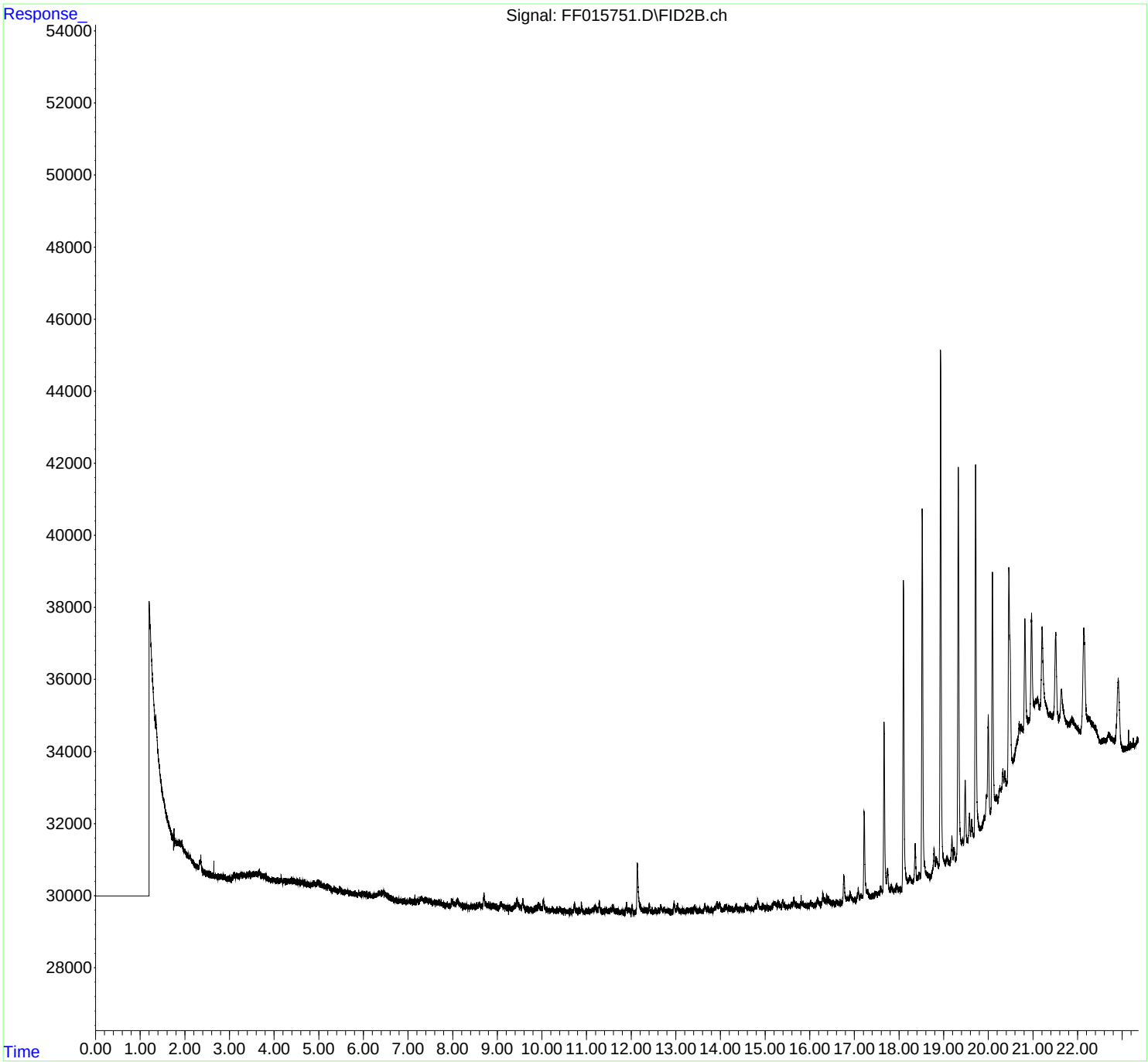
Quantitation Report (QT Reviewed)

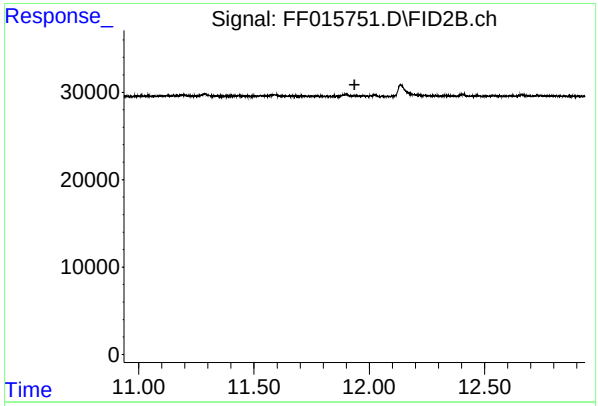
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015751.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 20:53
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 01:03:54 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

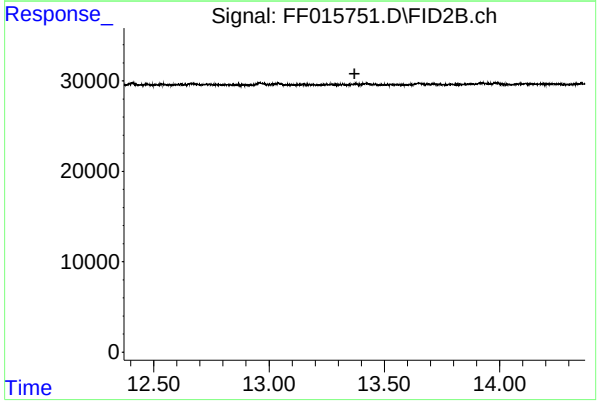




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_F
ClientSampleId :
I.BLK



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.371 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015751.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 20:53
Sample : I.BLK
Misc :
ALS Vial : 51 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

No peaks were detected!

Aliphatic EPH 031725.M Sat Mar 29 01:58:08 2025

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	17 Mar 2025 17:02
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FG015501.D	Misc:	
Instrument:	FID_G	ALS Vial:	1
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	9.044	0	0	300	ug/ml
Aromatic C16-C21	9.045	13.372	0	0	500	ug/ml
Aromatic C21-C36	13.373	18.833	0	0	800	ug/ml
Aromatic EPH	4.457	18.833	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Flurobiphenyl (SURR)	0.000	0.000	0	0		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015501.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:02
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 18 05:14:22 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

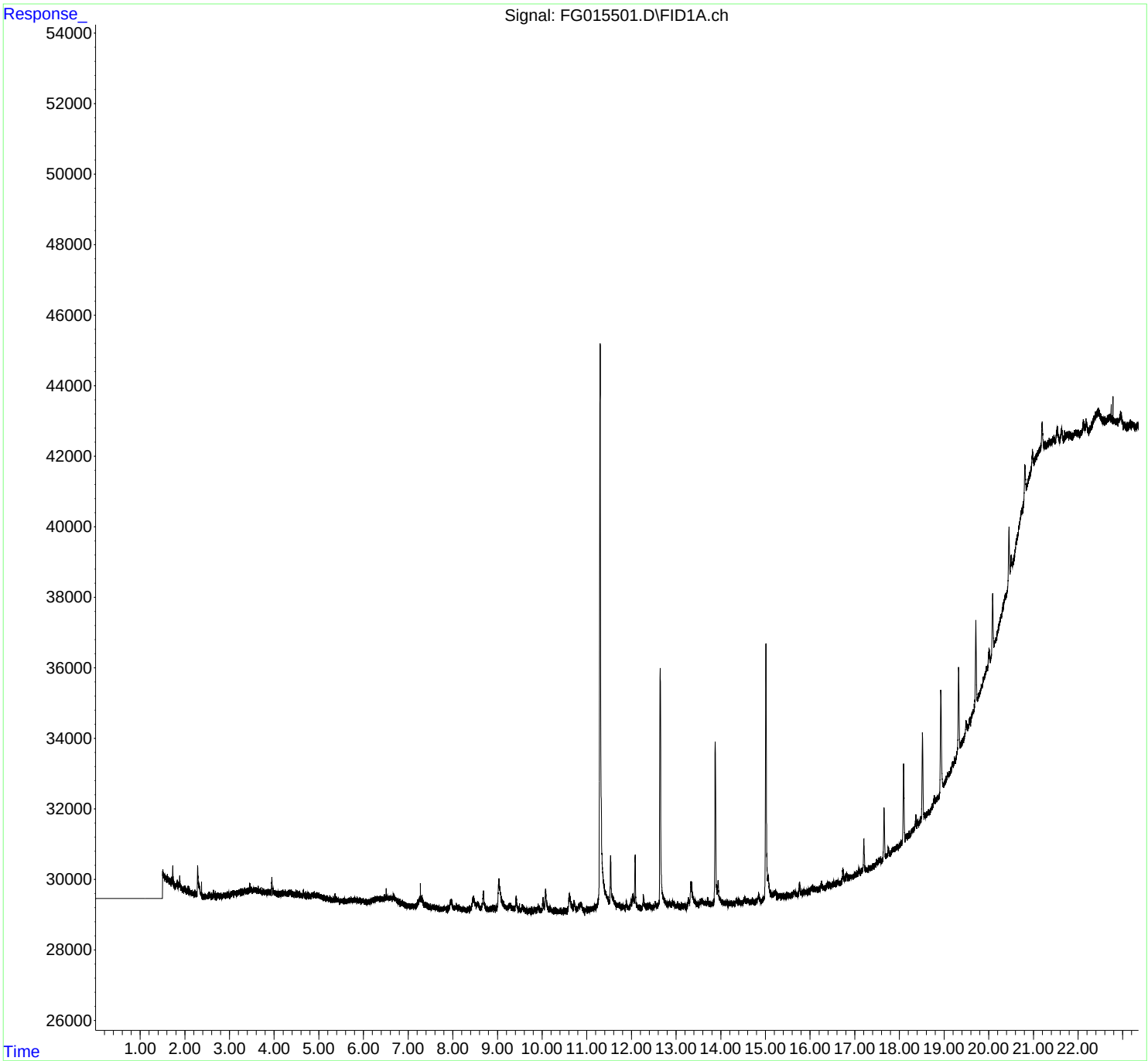
(f)=RT Delta > 1/2 Window (m)=manual int.

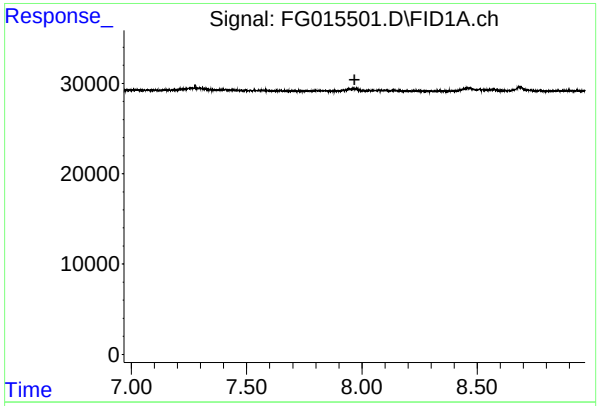
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015501.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:02
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 18 05:14:22 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

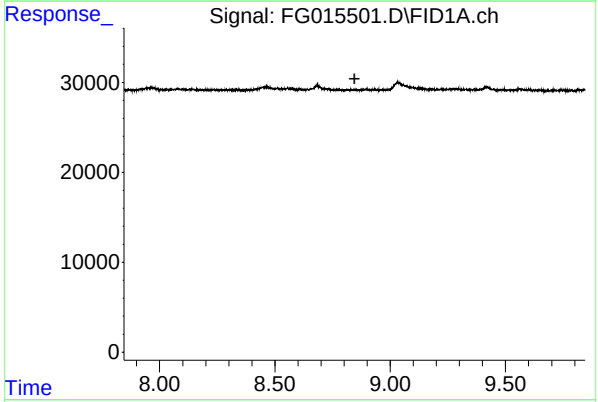




#4 2-Bromonaphthalene (SURR)

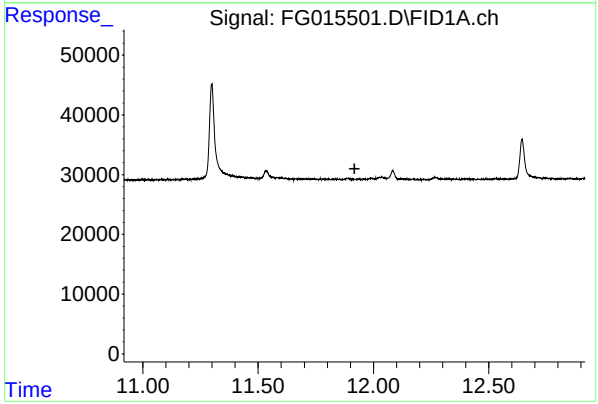
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
I.BLK



#6 2-Flurobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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\FG031725AR\
Data File : FG015501.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:02
Sample : I.BLK
Misc :
ALS Vial : 1 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

No peaks were detected!

Aromatic EPH 031725.M Tue Mar 18 05:29:44 2025

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	28 Mar 2025 11:09
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FG015571.D	Misc:	
Instrument:	FID_G	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.039	0	0	300	ug/ml
Aromatic C16-C21	9.040	13.371	0	0	500	ug/ml
Aromatic C21-C36	13.372	18.837	0	0	800	ug/ml
Aromatic EPH	4.449	18.837	0	0		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Flurobiphenyl (SURR)	0.000	0.000	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015571.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 03:11:50 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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

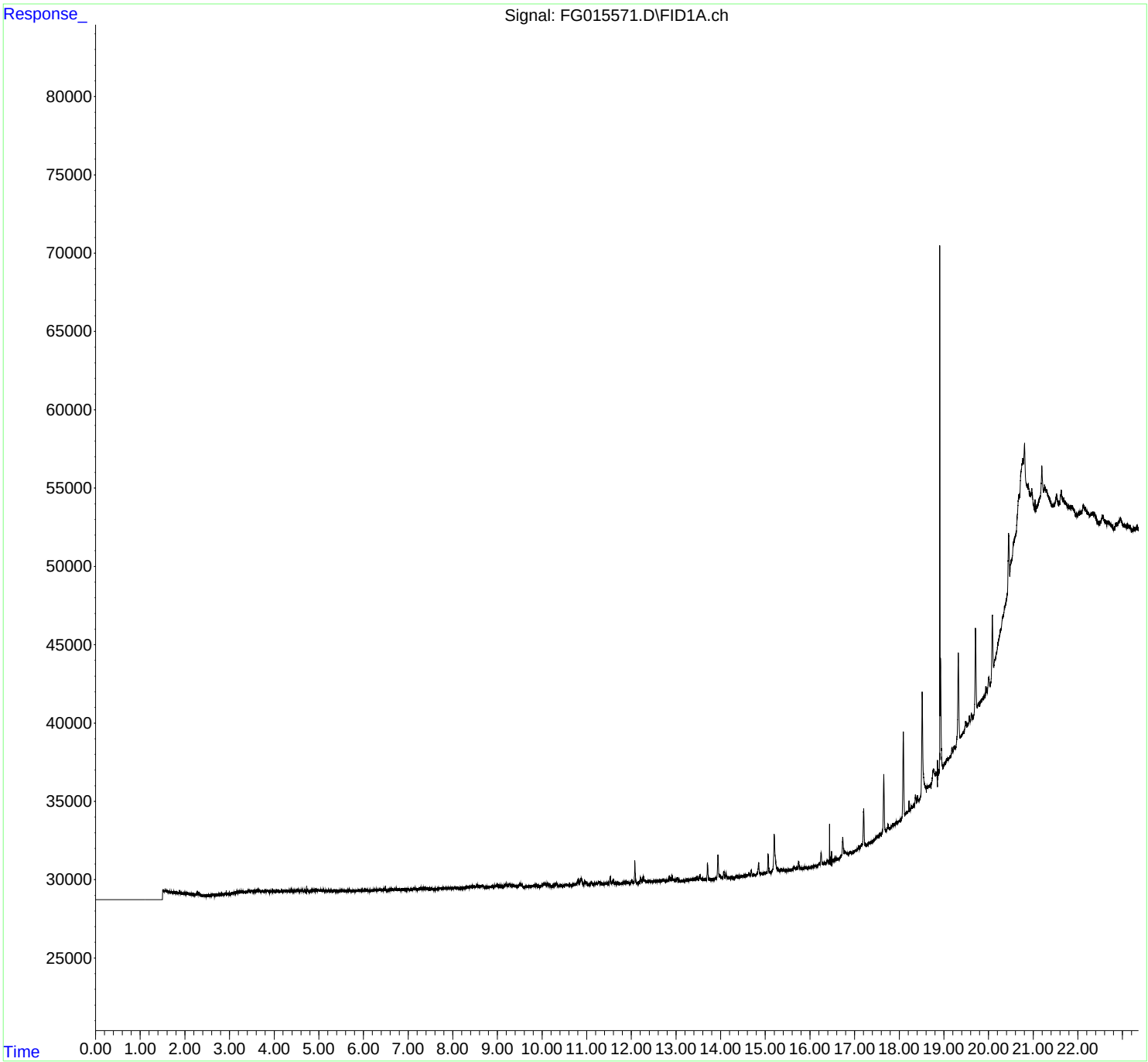
Quantitation Report (QT Reviewed)

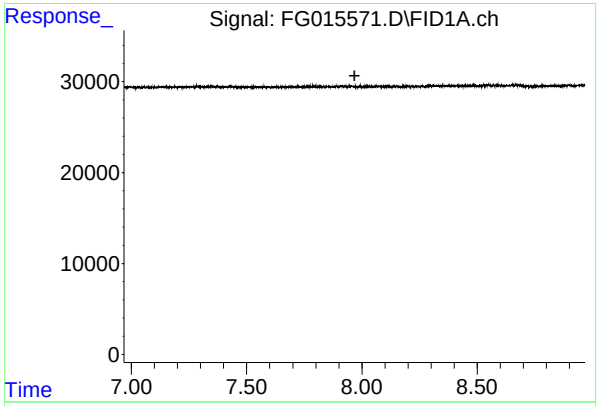
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015571.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 03:11:50 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

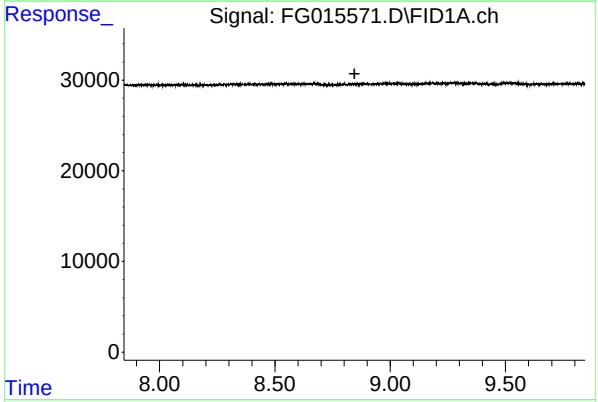




#4 2-Bromonaphthalene (SURR)

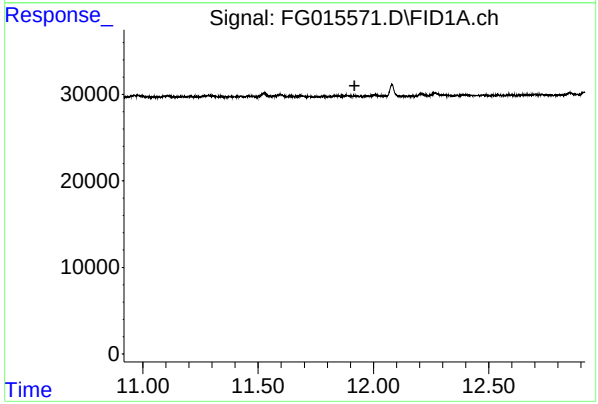
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
I.BLK



#6 2-Flurobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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\FG032825AR\
Data File : FG015571.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 11:09
Sample : I.BLK
Misc :
ALS Vial : 1 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

No peaks were detected!

Aromatic EPH 031725.M Sat Mar 29 03:53:30 2025

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	28 Mar 2025 22:21
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FG015584.D	Misc:	
Instrument:	FID_G	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.039	0	0	300	ug/ml
Aromatic C16-C21	9.040	13.371	0	0	500	ug/ml
Aromatic C21-C36	13.372	18.837	0	0	800	ug/ml
Aromatic EPH	4.449	18.837	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Flurobiphenyl (SURR)	0.000	0.000	0	0		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015584.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 03:15:54 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.

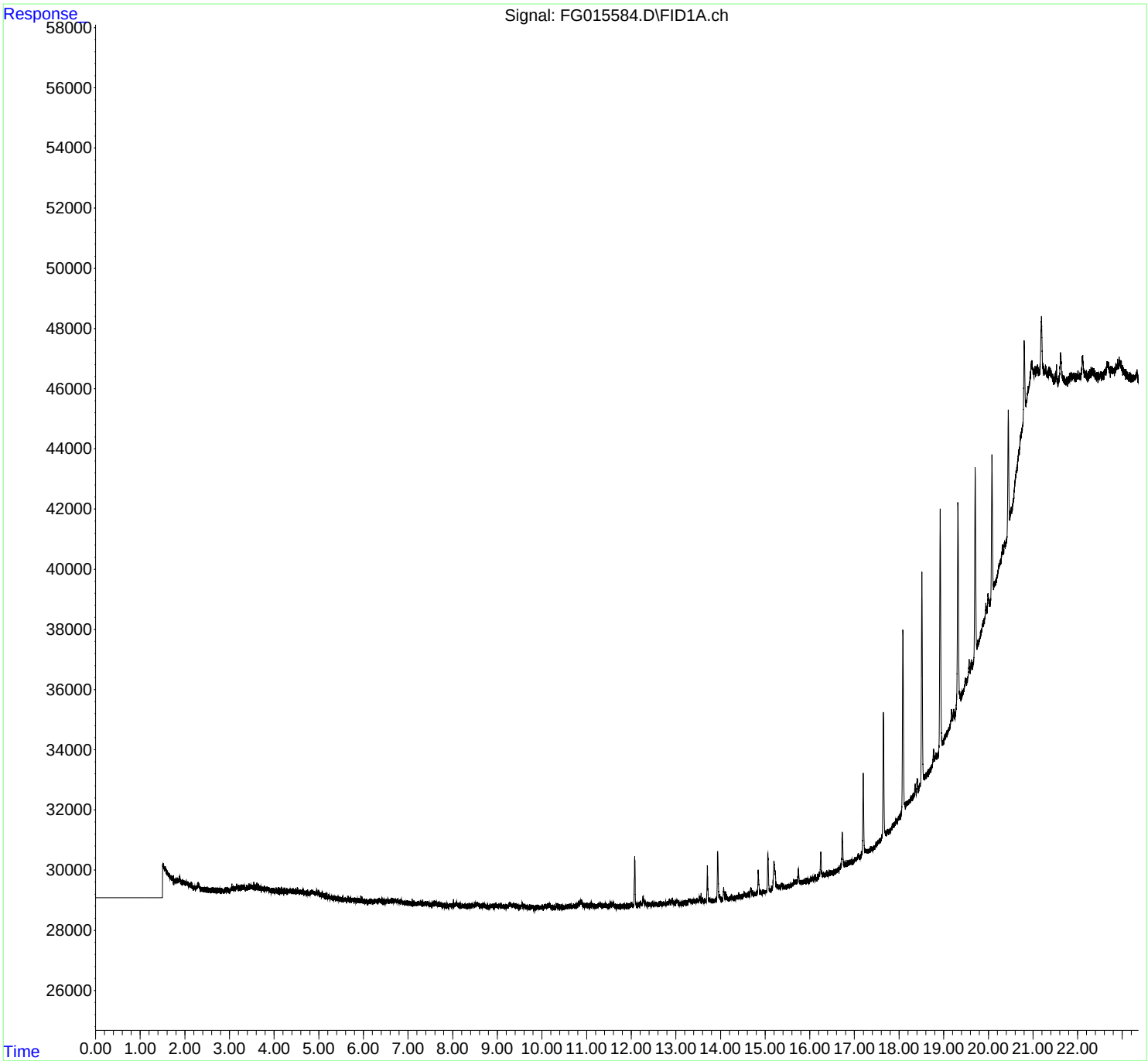
Quantitation Report (QT Reviewed)

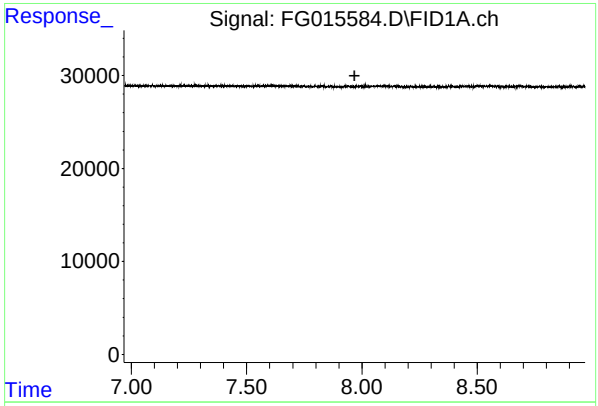
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015584.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 03:15:54 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

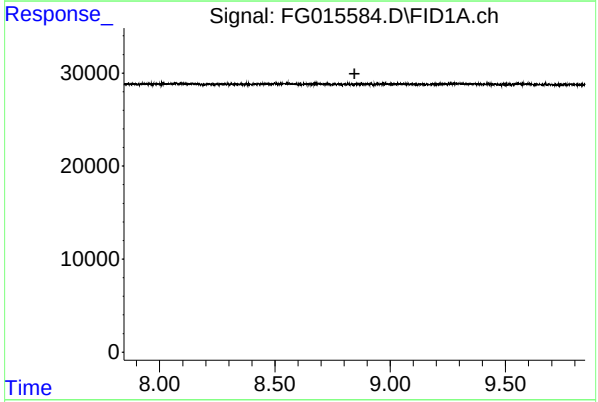




#4 2-Bromonaphthalene (SURR)

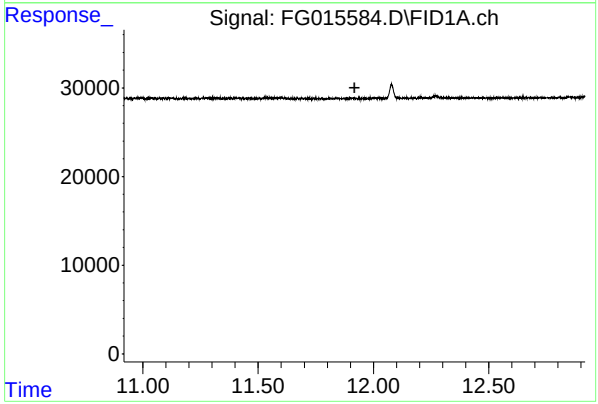
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
I.BLK



#6 2-Flurobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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\FG032825AR\
Data File : FG015584.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 22:21
Sample : I.BLK
Misc :
ALS Vial : 1 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

No peaks were detected!

Aromatic EPH 031725.M Sat Mar 29 03:56:55 2025

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	29 Mar 2025 02:17
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FG015590.D	Misc:	
Instrument:	FID_G	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.039	0	0	300	ug/ml
Aromatic C16-C21	9.040	13.371	0	0	500	ug/ml
Aromatic C21-C36	13.372	18.837	0	0	800	ug/ml
Aromatic EPH	4.449	18.837	0	0		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Flurobiphenyl (SURR)	0.000	0.000	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015590.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 02:17
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 03:17:36 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.

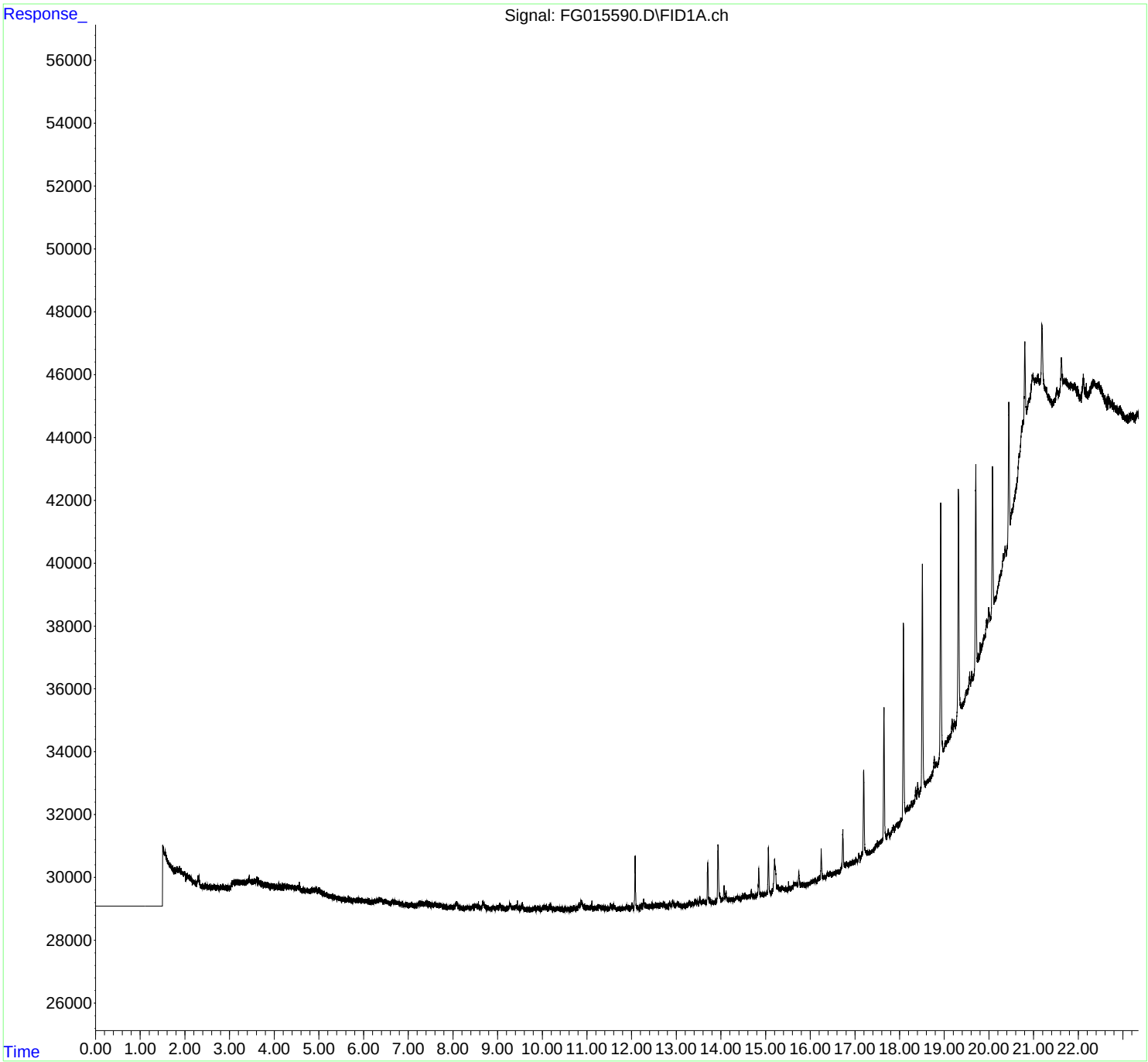
Quantitation Report (QT Reviewed)

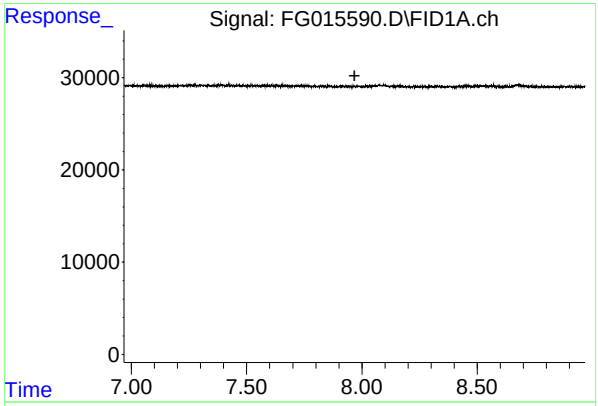
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015590.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 02:17
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Mar 29 03:17:36 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

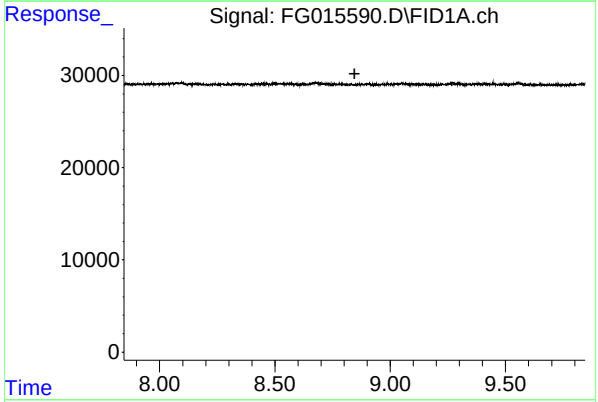




#4 2-Bromonaphthalene (SURR)

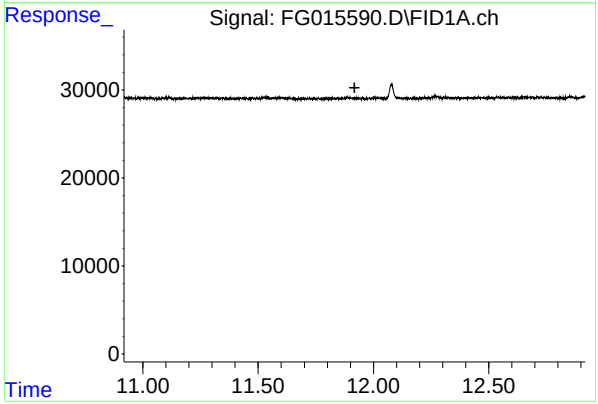
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
I.BLK



#6 2-Flurobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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\FG032825AR\
Data File : FG015590.D
Signal(s) : FID1A.ch
Acq On : 29 Mar 2025 02:17
Sample : I.BLK
Misc :
ALS Vial : 1 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

No peaks were detected!

Aromatic EPH 031725.M Sat Mar 29 03:57:54 2025

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	01 Apr 2025 11:36
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FG015593.D	Misc:	
Instrument:	FID_G	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.035	0	0	300	ug/ml
Aromatic C16-C21	9.036	13.365	0	0	500	ug/ml
Aromatic C21-C36	13.366	18.829	0	0	800	ug/ml
Aromatic EPH	4.450	18.829	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Flurobiphenyl (SURR)	0.000	0.000	0	0		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015593.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 11:36
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 01:14:51 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

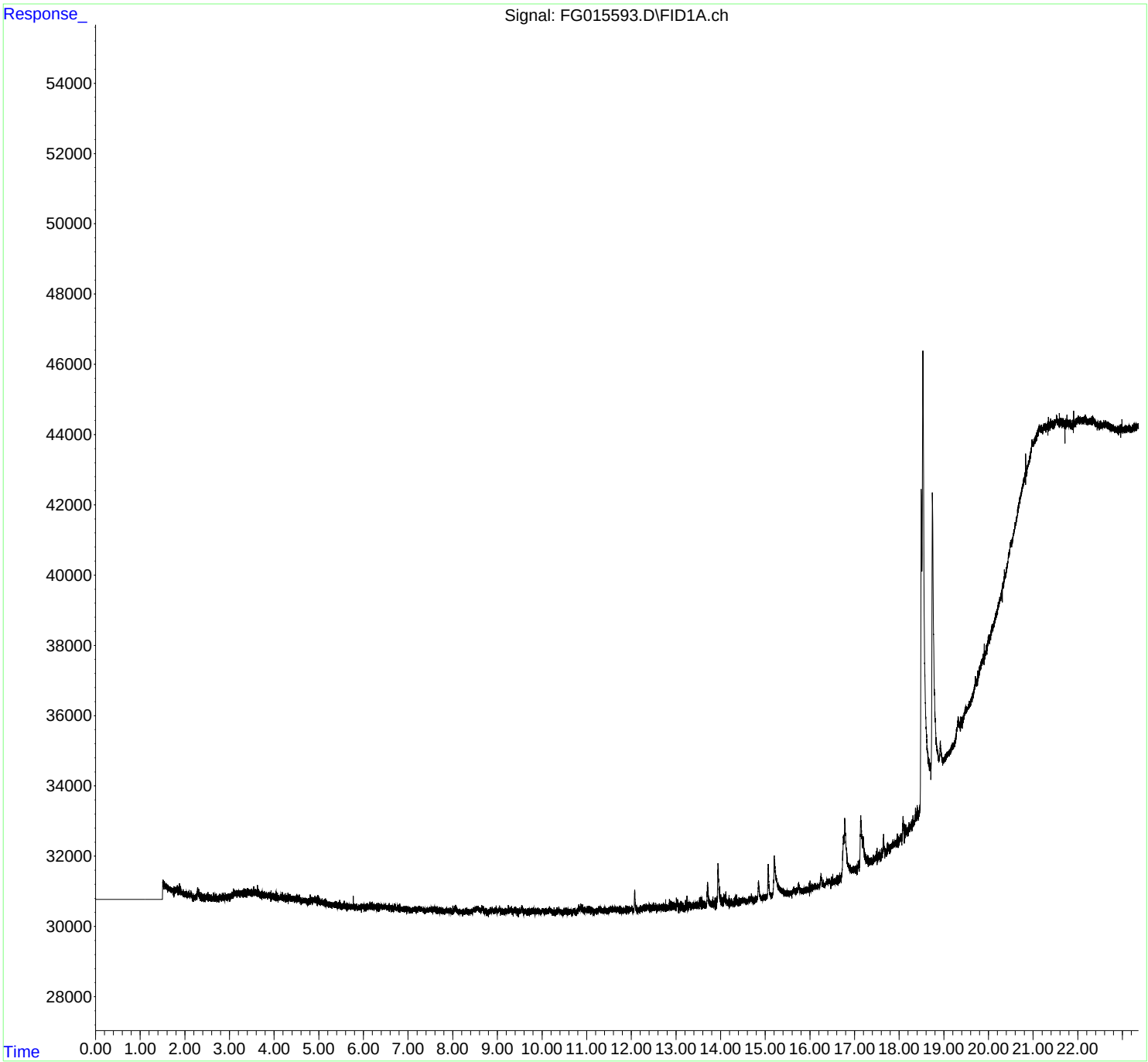
(f)=RT Delta > 1/2 Window (m)=manual int.

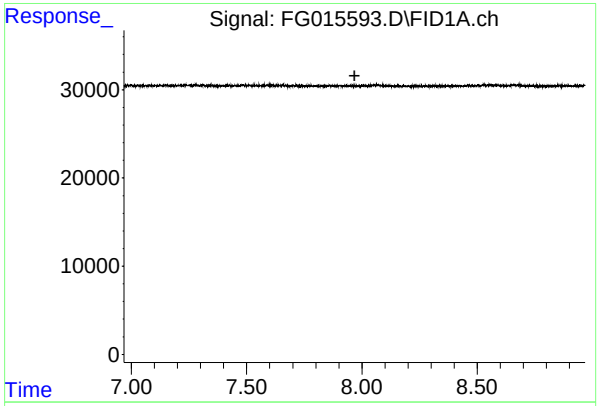
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015593.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 11:36
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 01:14:51 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

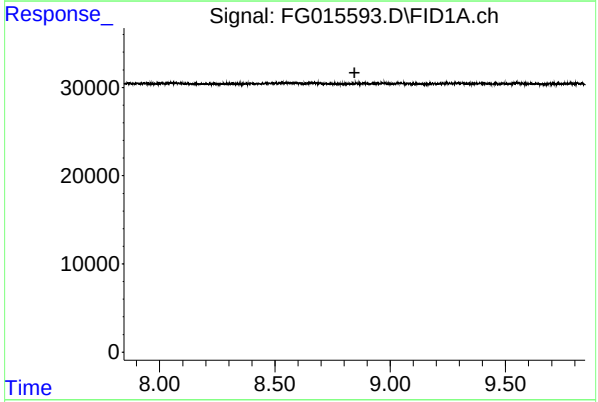




#4 2-Bromonaphthalene (SURR)

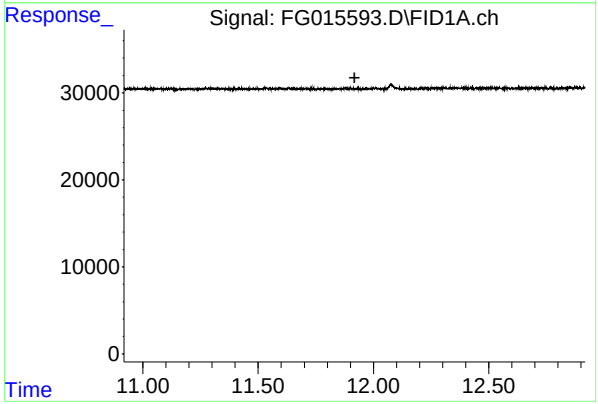
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
I.BLK



#6 2-Flurobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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\FG040125AR\
Data File : FG015593.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 11:36
Sample : I.BLK
Misc :
ALS Vial : 1 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

No peaks were detected!

Aromatic EPH 031725.M Wed Apr 02 02:23:46 2025

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	I.BLK	Acq On:	01 Apr 2025 22:51
Client Sample ID:	I.BLK	Operator:	YP\AJ
Data file:	FG015609.D	Misc:	
Instrument:	FID_G	ALS Vial:	1
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.035	0	0	300	ug/ml
Aromatic C16-C21	9.036	13.365	0	0	500	ug/ml
Aromatic C21-C36	13.366	18.829	0	0	800	ug/ml
Aromatic EPH	4.450	18.829	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Flurobiphenyl (SURR)	0.000	0.000	0	0		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015609.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 01:19:38 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.

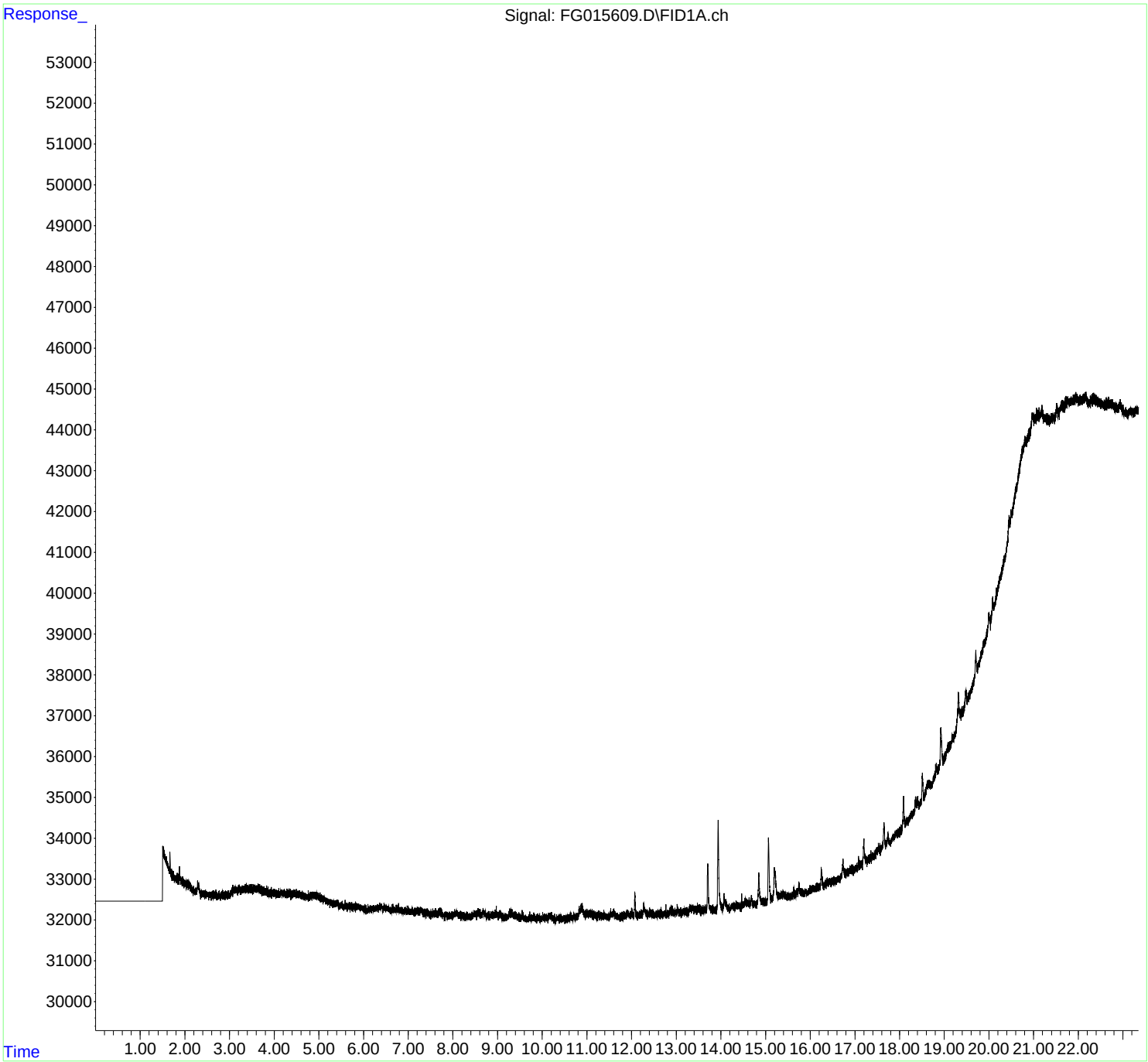
Quantitation Report (QT Reviewed)

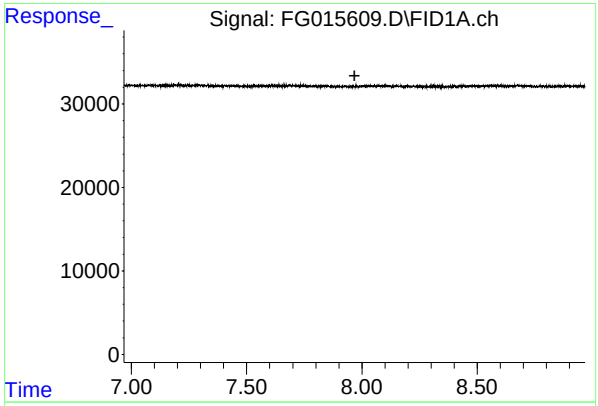
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015609.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Apr 02 01:19:38 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

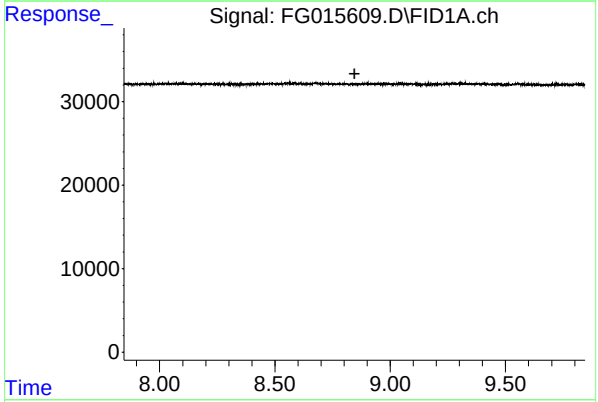




#4 2-Bromonaphthalene (SURR)

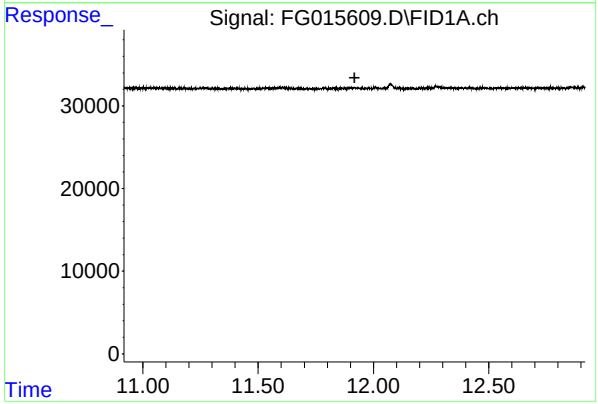
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
I.BLK



#6 2-Flurobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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\FG040125AR\
Data File : FG015609.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 22:51
Sample : I.BLK
Misc :
ALS Vial : 1 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

No peaks were detected!

Aromatic EPH 031725.M Wed Apr 02 02:27:33 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167362BS	SDG No.:	Q1664
Lab Sample ID:	PB167362BS	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
03/28/25 08:10	03/28/25 16:59	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.06		1	0.14	1.00	mg/kg	FF015744.D
Aliphatic C12-C16	Aliphatic C12-C16	5.22		1	0.11	0.67	mg/kg	FF015744.D
Aliphatic C16-C21	Aliphatic C16-C21	9.50		1	0.13	1.00	mg/kg	FF015744.D
Aliphatic C21-C28	Aliphatic C21-C28	9.91		1	0.53	1.33	mg/kg	FF015744.D
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1	1.18	2.00	mg/kg	FF015744.D
Aromatic C10-C12	Aromatic C10-C12	4.21		1	0.12	0.67	mg/kg	FG015574.D
Aromatic C12-C16	Aromatic C12-C16	7.38		1	0.23	1.00	mg/kg	FG015574.D
Aromatic C16-C21	Aromatic C16-C21	14.0		1	0.40	1.67	mg/kg	FG015574.D
Aromatic C21-C36	Aromatic C21-C36	24.4		1	1.19	2.66	mg/kg	FG015574.D
Total AliphaticEPH	Total AliphaticEPH	55.9			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.0			1.94	6.00	mg/kg	
Total EPH	Total EPH	106			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

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BS		SDG No.:	Q1664	
Lab Sample ID:	PB167362BS		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
FF015744.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.06		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.22		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.50		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.91		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.1		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167362BS	Acq On:	28 Mar 2025 16:59
Client Sample ID:	PB167362BS	Operator:	YP\AJ
Data file:	FF015744.D	Misc:	
Instrument:	FID_F	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	11680408	90.922	300	ug/ml
Aliphatic C12-C16	6.834	10.268	10307398	78.315	200	ug/ml
Aliphatic C16-C21	10.269	13.634	19319468	142.711	300	ug/ml
Aliphatic C21-C28	13.635	17.200	19684480	148.811	400	ug/ml
Aliphatic C28-C40	17.201	22.202	40895025	378.143	600	ug/ml
Aliphatic EPH	3.211	22.202	101886779	838.903		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	5460984	48.12		ug/ml
Aliphatic C9-C28	3.211	17.200	60991754	460.759	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015744.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 16:59
Operator : YP\AJ
Sample : PB167362BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167362BS

Integration File: autoint1.e
Quant Time: Mar 29 01:01:57 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	5460984	48.117 ug/ml
Spiked Amount	50.000		Recovery =	96.23%
	Target Compounds			
1) T	n-Nonane (C9)	3.318	3307552	26.113 ug/ml
2) T	n-Decane (C10)	4.570	3883569	30.242 ug/ml
4) T	n-Dodecane (C12)	6.734	4489287	34.449 ug/ml
6) T	n-Tetradecane (C14)	8.561	4817246	37.197 ug/ml
7) T	n-Hexadecane (C16)	10.169	5490152	41.056 ug/ml
8) T	n-Octadecane (C18)	11.613	5996977	43.550 ug/ml
10) T	n-Eicosane (C20)	12.925	6737668	49.993 ug/ml
11) T	n-Heneicosane (C21)	13.537	6584823	49.271 ug/ml
13) T	n-Docosane (C22)	14.123	6585399	49.212 ug/ml
14) T	n-Tetracosane (C24)	15.228	6604895	49.337 ug/ml
15) T	n-Hexacosane (C26)	16.250	6494186	49.654 ug/ml
16) T	n-Octacosane (C28)	17.201	6401021	49.000 ug/ml
17) T	n-Tricontane (C30)	18.089	6364778	47.198 ug/ml
18) T	n-Dotriacontane (C32)	18.922	6212661	47.642 ug/ml
19) T	n-Tetratriacontane (C34)	19.706	6018985	51.563 ug/ml
20) T	n-Hexatriacontane (C36)	20.447	5655869	56.975 ug/ml
21) T	n-Octatriacontane (C38)	21.184	5400055	61.805 ug/ml
22) T	n-Tetracontane (C40)	22.098	4841656	60.329 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

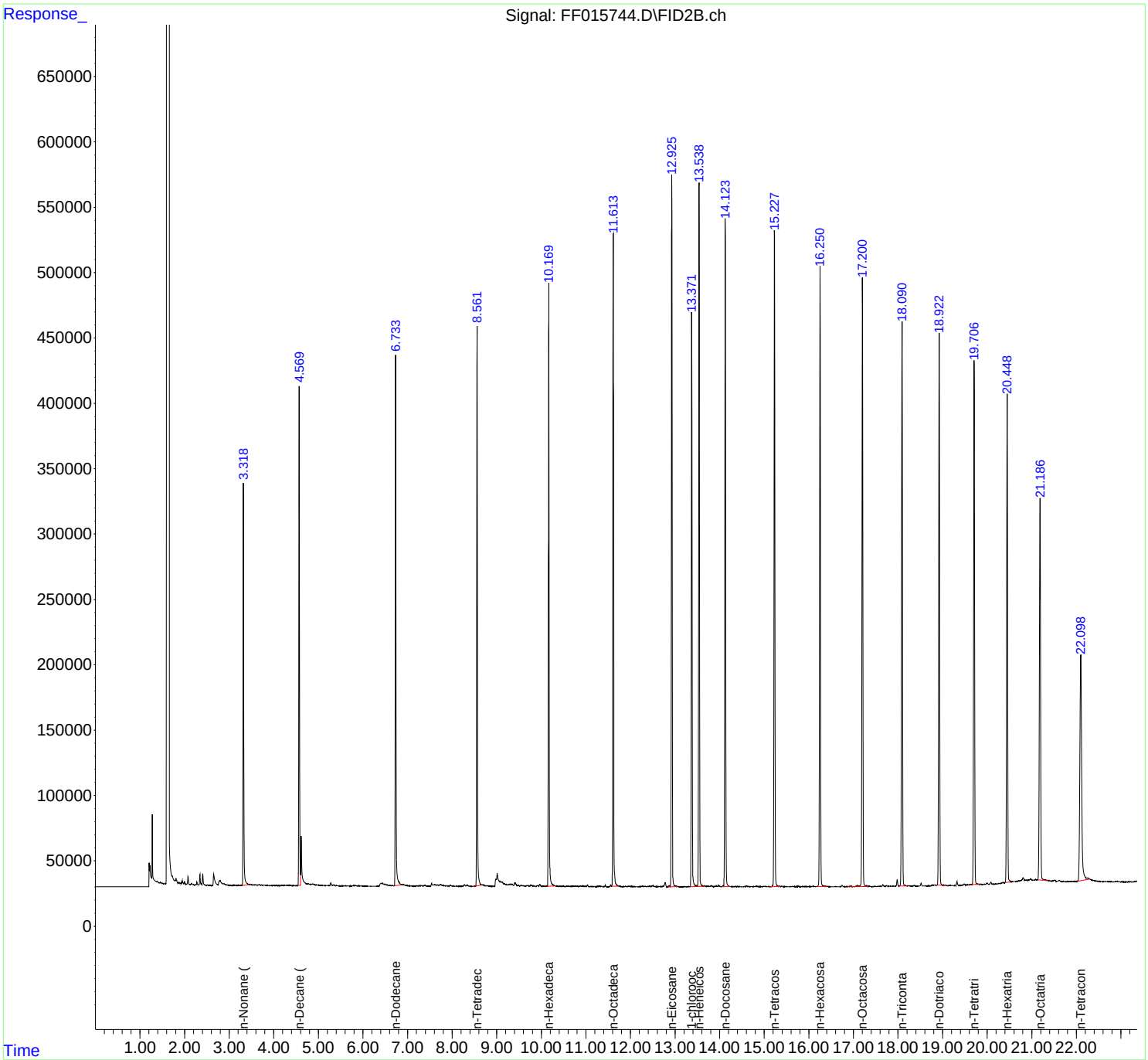
Quantitation Report (QT Reviewed)

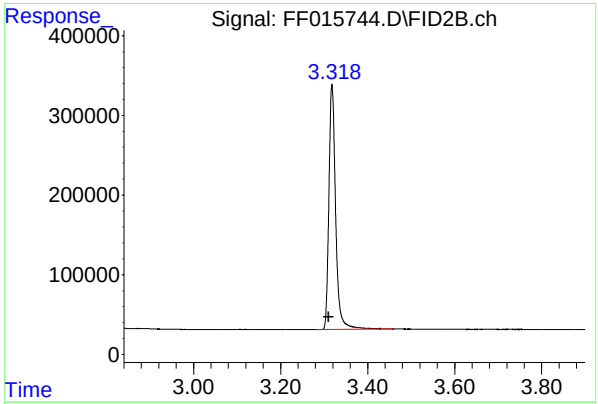
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015744.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 16:59
Operator : YP\AJ
Sample : PB167362BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167362BS

Integration File: autoint1.e
Quant Time: Mar 29 01:01:57 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

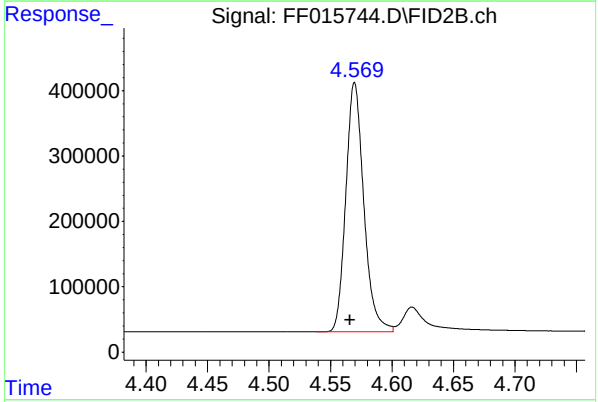




#1 n-Nonane (C9)

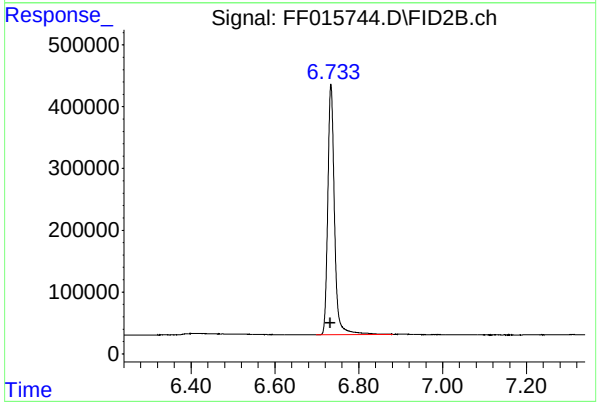
R.T.: 3.318 min
Delta R.T.: 0.008 min
Response: 3307552
Conc: 26.11 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BS



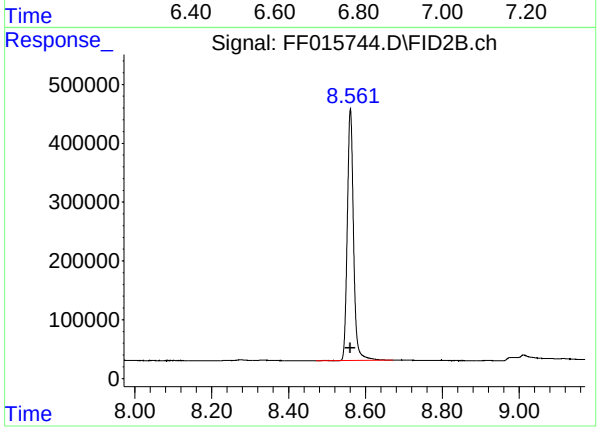
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: 0.004 min
Response: 3883569
Conc: 30.24 ug/ml



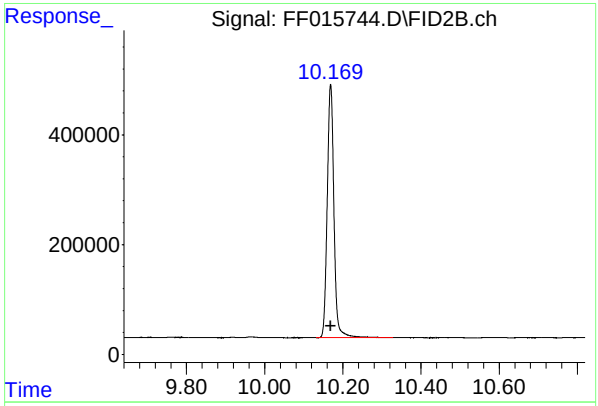
#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 4489287
Conc: 34.45 ug/ml



#6 n-Tetradecane (C14)

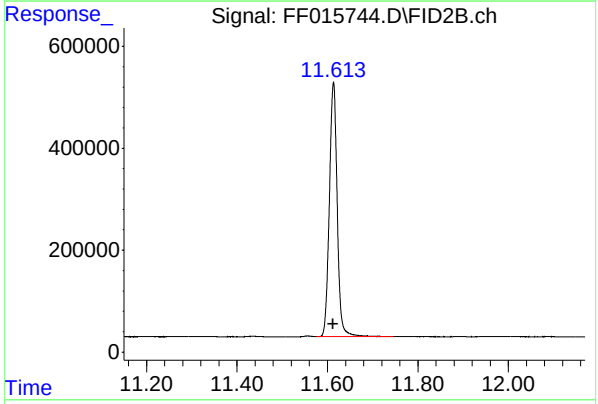
R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 4817246
Conc: 37.20 ug/ml



#7 n-Hexadecane (C16)

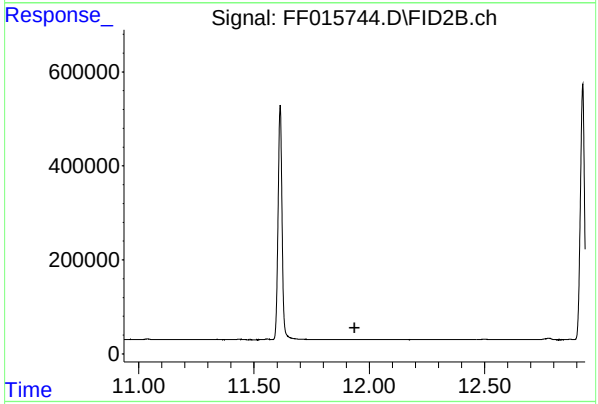
R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 5490152
Conc: 41.06 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BS



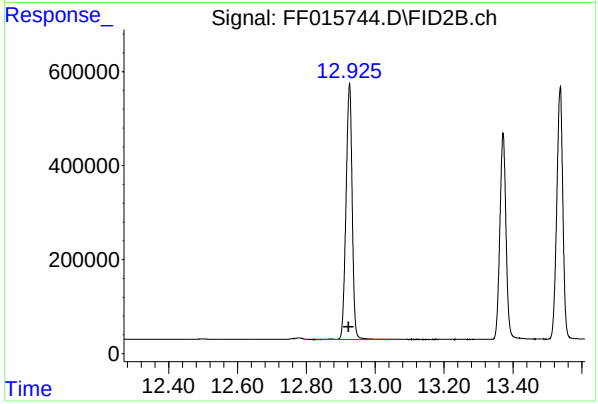
#8 n-Octadecane (C18)

R.T.: 11.613 min
Delta R.T.: 0.001 min
Response: 5996977
Conc: 43.55 ug/ml



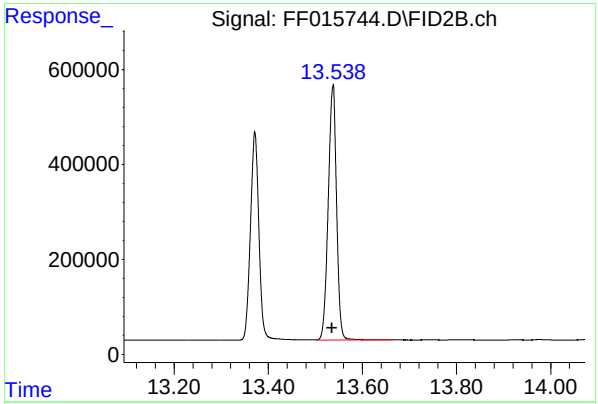
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

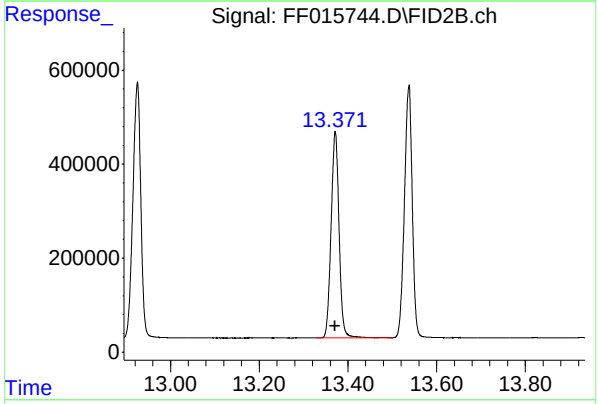
R.T.: 12.925 min
Delta R.T.: 0.002 min
Response: 6737668
Conc: 49.99 ug/ml



#11 n-Heneicosane (C21)

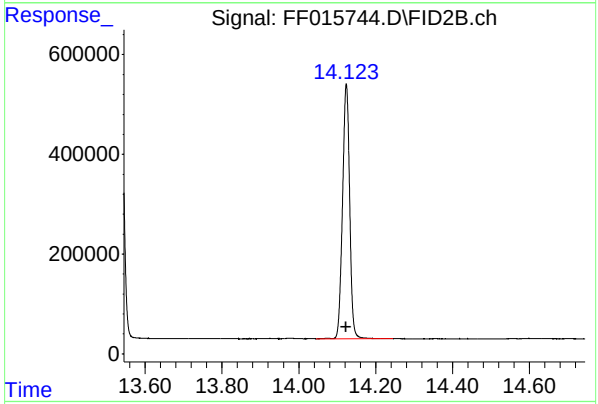
R.T.: 13.537 min
Delta R.T.: 0.001 min
Response: 6584823
Conc: 49.27 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BS



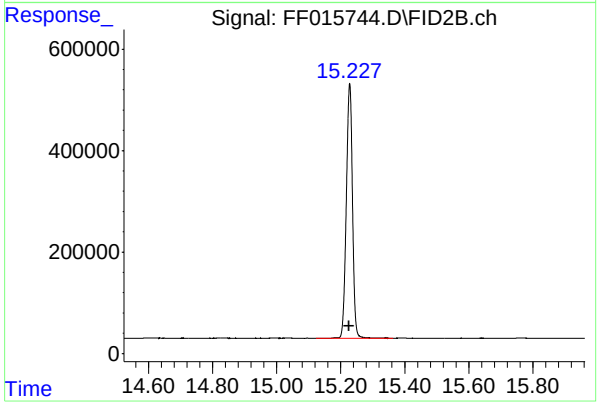
#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: 0.000 min
Response: 5460984
Conc: 48.12 ug/ml



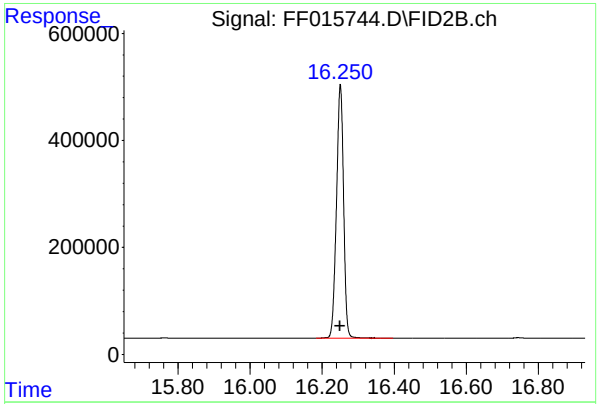
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 6585399
Conc: 49.21 ug/ml



#14 n-Tetracosane (C24)

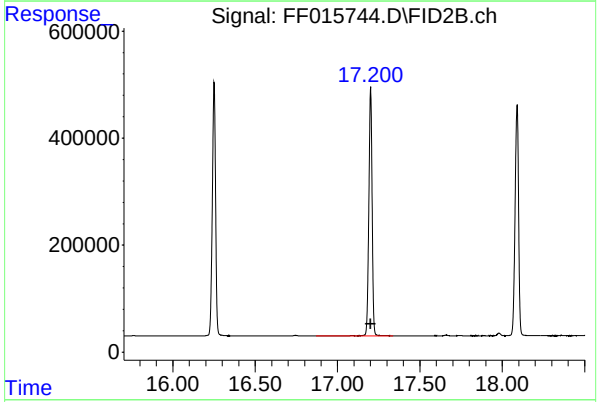
R.T.: 15.228 min
Delta R.T.: 0.001 min
Response: 6604895
Conc: 49.34 ug/ml



#15 n-Hexacosane (C26)

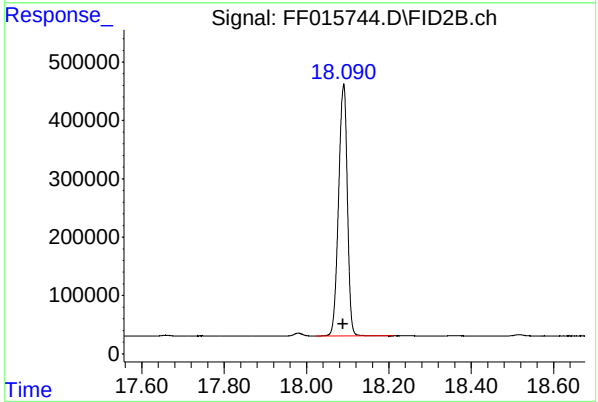
R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 6494186
Conc: 49.65 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BS



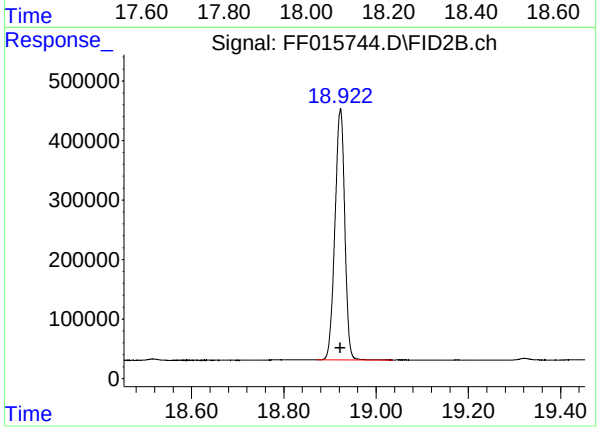
#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 6401021
Conc: 49.00 ug/ml



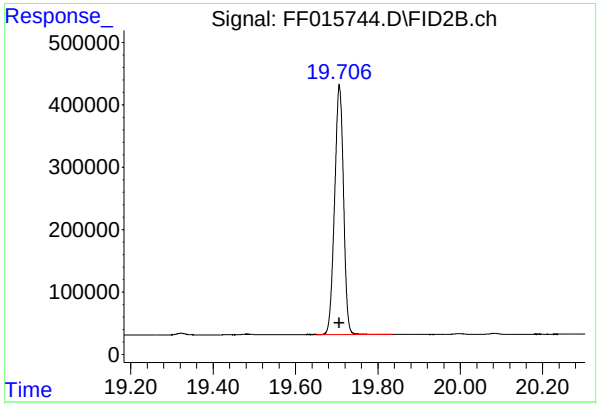
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 6364778
Conc: 47.20 ug/ml



#18 n-Dotriacontane (C32)

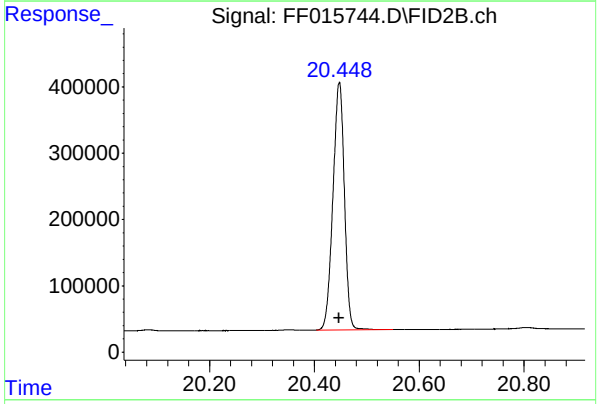
R.T.: 18.922 min
Delta R.T.: 0.000 min
Response: 6212661
Conc: 47.64 ug/ml



#19 n-Tetratriacontane (C34)

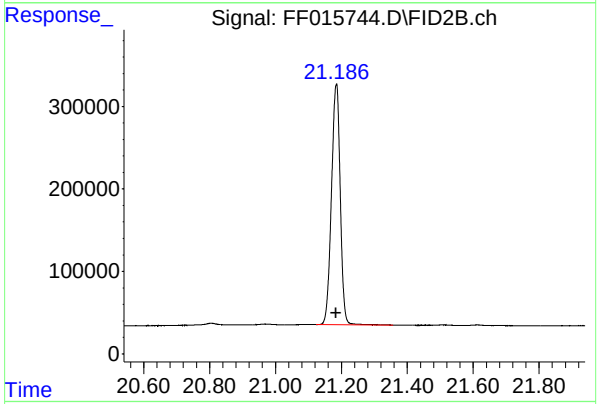
R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 6018985
Conc: 51.56 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BS



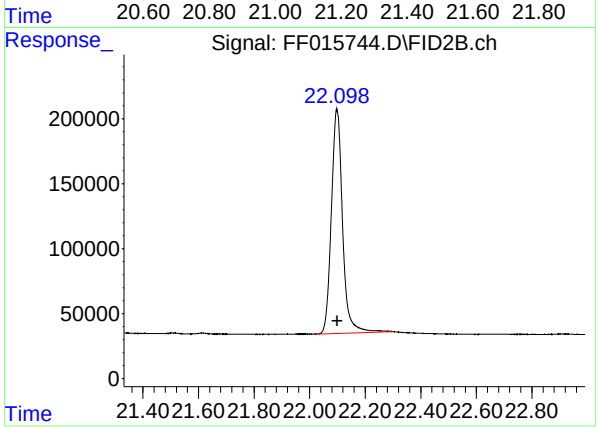
#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 5655869
Conc: 56.98 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 5400055
Conc: 61.81 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.098 min
Delta R.T.: 0.000 min
Response: 4841656
Conc: 60.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015744.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 16:59
Sample : PB167362BS
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	3.318	3.282	3.458	BB	306810	3307552	49.09%	3.081%
2	4.570	4.538	4.601	BV	380317	3883569	57.64%	3.618%
3	6.734	6.698	6.882	BB	403287	4489287	66.63%	4.182%
4	8.561	8.472	8.672	BB	427426	4817246	71.50%	4.488%
5	10.169	10.132	10.328	BB	461792	5490152	81.48%	5.114%
6	11.613	11.575	11.745	BB	495404	5996977	89.01%	5.586%
7	12.925	12.828	13.052	BB	545124	6737668	100.00%	6.276%
8	13.371	13.328	13.502	BV	439675	5460984	81.05%	5.087%
9	13.537	13.502	13.665	VB	547722	6584823	97.73%	6.134%
10	14.123	14.045	14.245	BB	512195	6585399	97.74%	6.135%
11	15.228	15.123	15.363	BB	504578	6604895	98.03%	6.153%
12	16.250	16.183	16.397	BB	472136	6494186	96.39%	6.050%
13	17.201	16.870	17.337	BB	459490	6401021	95.00%	5.963%
14	18.089	18.023	18.210	BB	432478	6364778	94.47%	5.929%
15	18.922	18.870	19.037	BB	424432	6212661	92.21%	5.787%
16	19.706	19.650	19.837	BB	391963	6018985	89.33%	5.607%
17	20.447	20.403	20.550	BB	376261	5655869	83.94%	5.269%
18	21.184	21.123	21.357	BB	291571	5400055	80.15%	5.030%
19	22.098	22.023	22.300	BBA	172846	4841656	71.86%	4.510%

Sum of corrected areas: 107347763

Aliphatic EPH 031725.M Sat Mar 29 01:55:09 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BS		SDG No.:	Q1664	
Lab Sample ID:	PB167362BS		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
FG015574.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.21		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.38		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.0		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.4		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.5		40 - 140	107%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	45.9		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.8		40 - 140	88%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167362BS	Acq On:	28 Mar 2025 16:59
Client Sample ID:	PB167362BS	Operator:	YP\AJ
Data file:	FG015574.D	Misc:	
Instrument:	FID_G	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	8470813	63.217	200	ug/ml
Aromatic C12-C16	6.330	9.039	15195439	110.793	300	ug/ml
Aromatic C16-C21	9.040	13.371	29383091	210.767	500	ug/ml
Aromatic C21-C36	13.372	18.837	47619199	365.756	800	ug/ml
Aromatic EPH	4.449	18.837	100668542	750.533		ug/ml
2-Bromonaphthalene (SURR)	7.965	7.965	6541026	53.55		ug/ml
2-Flurobiphenyl (SURR)	8.843	8.843	3792185	45.88		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	6383061	43.77		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015574.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:59
Operator : YP\AJ
Sample : PB167362BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167362BS

Integration File: autoint1.e
Quant Time: Mar 29 03:12:48 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...	7.965	6541026	53.547 ug/ml
Spiked Amount	50.000		Recovery =	107.09%
6)	S 2-Flurobiphenyl (SURR)	8.843	3792185	45.879 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	91.76%
11)	S ortho-Terphenyl (SURR)	11.917	6383061	43.771 ug/ml
Spiked Amount	50.000		Recovery =	87.54%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.554	3866328	29.095 ug/ml
2)	T Naphthalene (C11.7)	6.233	4604485	34.081 ug/ml
3)	T 2-Methylnaphthalene (...	7.334	4460712	33.441 ug/ml
5)	T Acenaphthylene (C15.06)	8.641	5332652	37.652 ug/ml
7)	T Acenaphthene (C15.5)	8.942	5402075	39.595 ug/ml
8)	T Flouorene (C16.55)	9.735	5709433	40.897 ug/ml
9)	T Phenanthrene (C19.36)	11.148	5876113	41.709 ug/ml
10)	T Anthracene (C19.43)	11.223	5889457	43.039 ug/ml
12)	T Fluoranthene (C21.85)	12.976	5925758	41.554 ug/ml
13)	T Pyrene (C20.8)	13.275	5982330	42.635 ug/ml
14)	T Benzo[a]anthracene (C...	15.163	5823028	42.932 ug/ml
15)	T Chrysene (C27.41)	15.207	6968956	49.781 ug/ml
16)	T benzo[b]fluoranthene ...	16.728	5723983	43.318 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.763	6200926	45.416 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.110	5609871	44.735 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.489	5648190	50.765 ug/ml
20)	T Dibenz[a,h]anthracene...	18.525	6094303	47.360 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.746	5549942	46.445 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

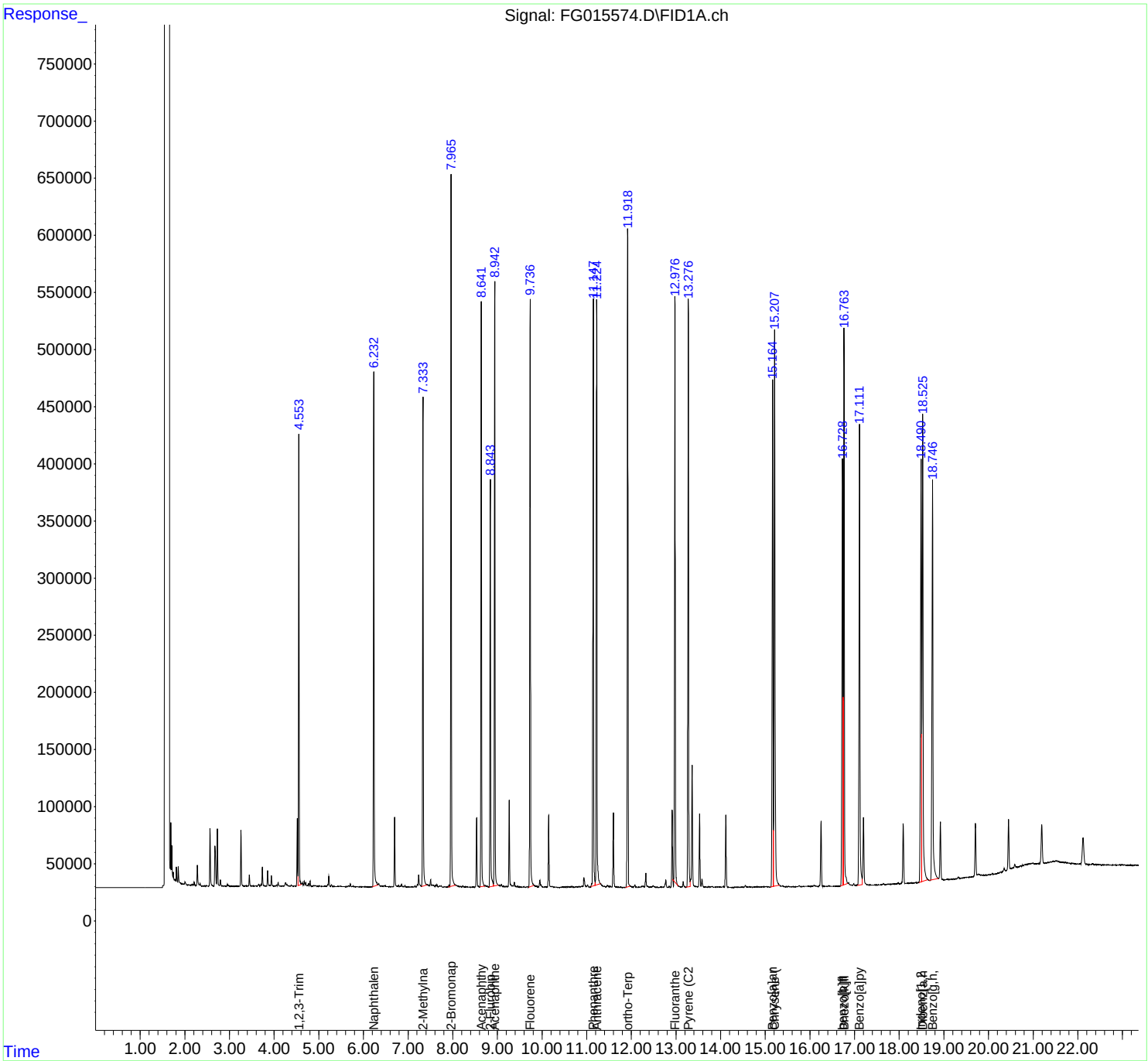
Quantitation Report (QT Reviewed)

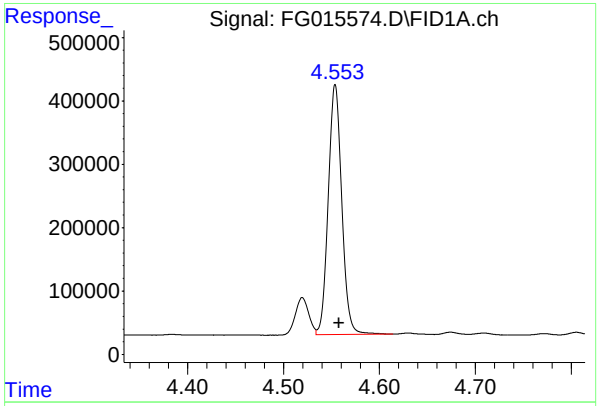
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015574.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:59
Operator : YP\AJ
Sample : PB167362BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167362BS

Integration File: autoint1.e
Quant Time: Mar 29 03:12:48 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

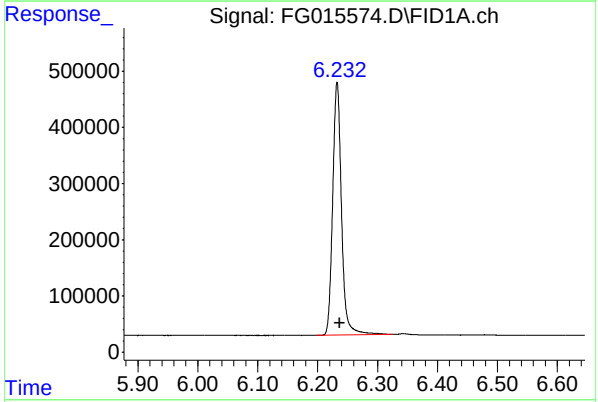




#1 1,2,3-Trimethylbenzene (C10.1)

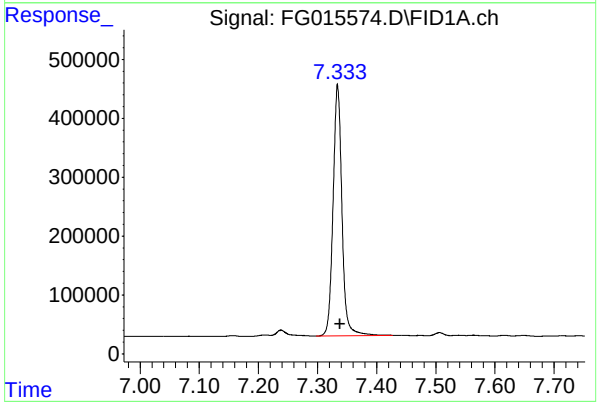
R.T.: 4.554 min
Delta R.T.: -0.004 min
Response: 3866328
Conc: 29.09 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BS



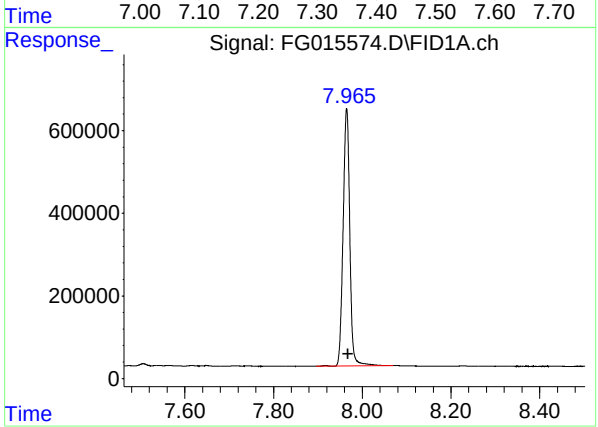
#2 Naphthalene (C11.7)

R.T.: 6.233 min
Delta R.T.: -0.004 min
Response: 4604485
Conc: 34.08 ug/ml



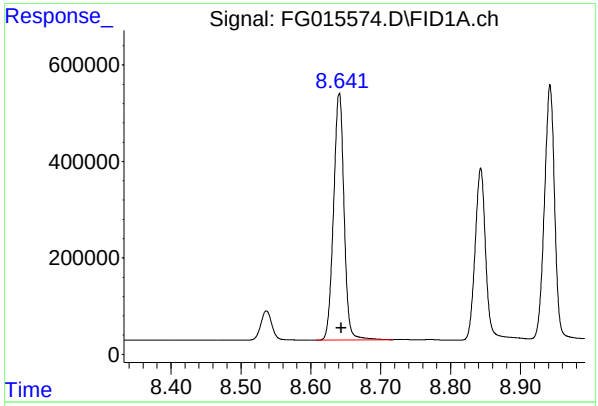
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.334 min
Delta R.T.: -0.004 min
Response: 4460712
Conc: 33.44 ug/ml



#4 2-Bromonaphthalene (SURR)

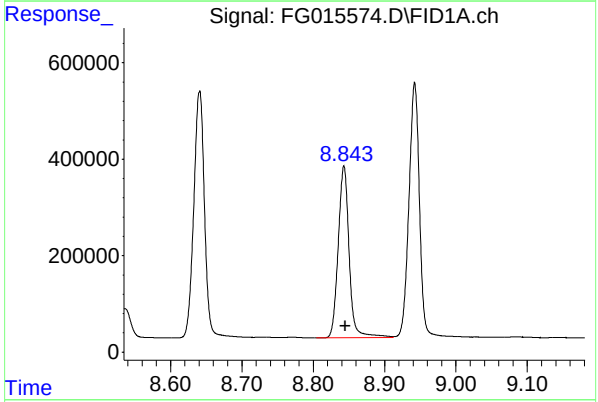
R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 6541026
Conc: 53.55 ug/ml



#5 Acenaphthylene (C15.06)

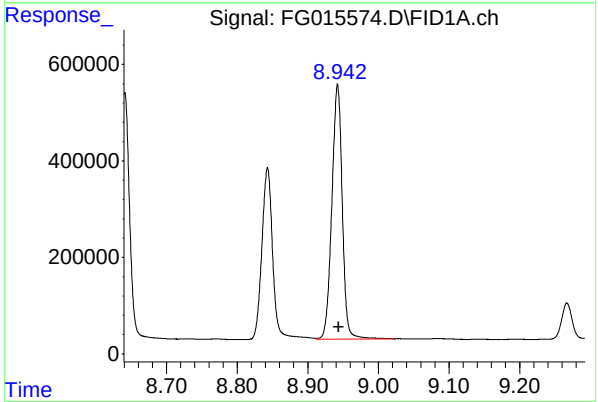
R.T.: 8.641 min
Delta R.T.: -0.003 min
Response: 5332652
Conc: 37.65 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BS



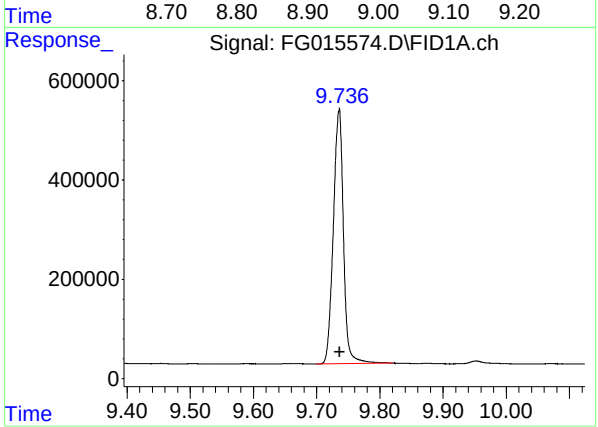
#6 2-Flurobiphenyl (SURR)

R.T.: 8.843 min
Delta R.T.: -0.002 min
Response: 3792185
Conc: 45.88 ug/ml



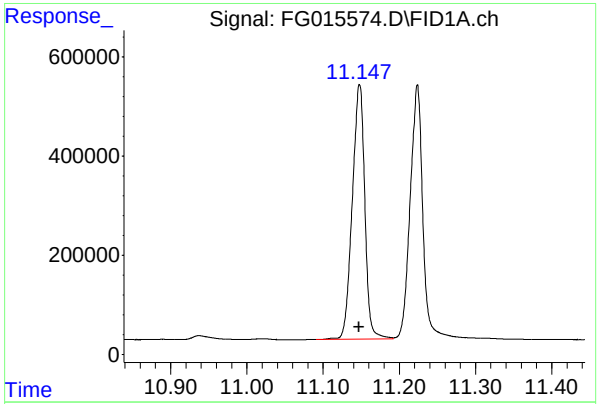
#7 Acenaphthene (C15.5)

R.T.: 8.942 min
Delta R.T.: -0.002 min
Response: 5402075
Conc: 39.59 ug/ml



#8 Flouorene (C16.55)

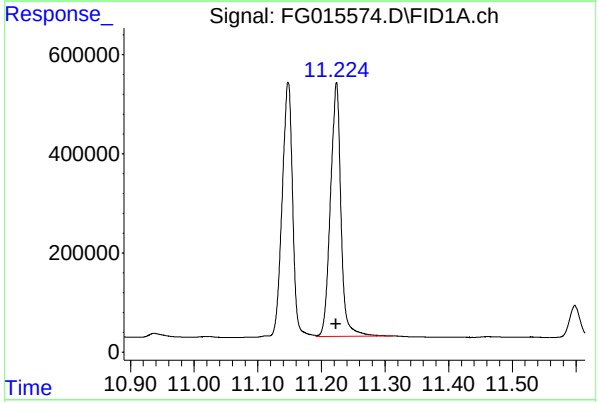
R.T.: 9.735 min
Delta R.T.: -0.001 min
Response: 5709433
Conc: 40.90 ug/ml



#9 Phenanthrene (C19.36)

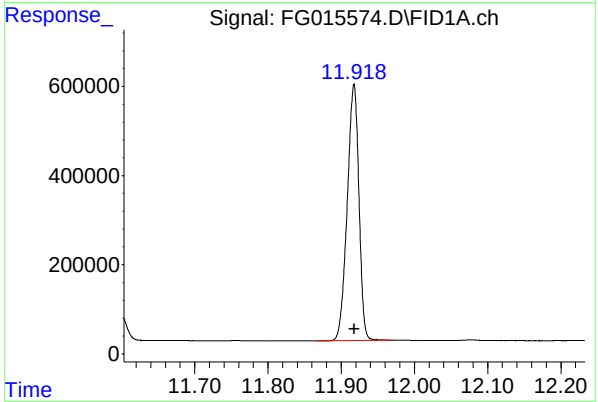
R.T.: 11.148 min
Delta R.T.: 0.000 min
Response: 5876113
Conc: 41.71 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BS



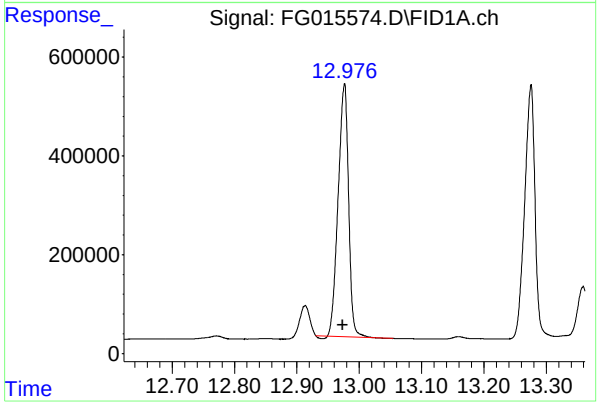
#10 Anthracene (C19.43)

R.T.: 11.223 min
Delta R.T.: 0.000 min
Response: 5889457
Conc: 43.04 ug/ml



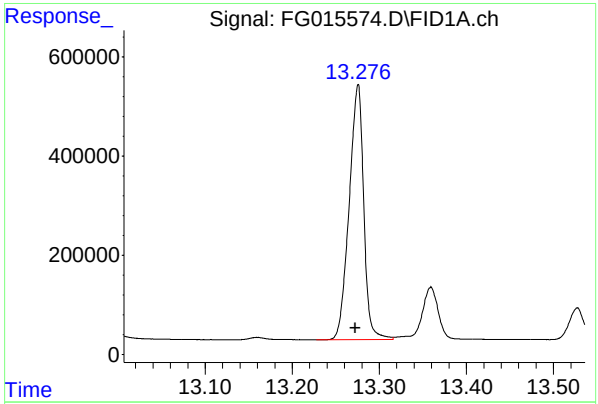
#11 ortho-Terphenyl (SURR)

R.T.: 11.917 min
Delta R.T.: 0.000 min
Response: 6383061
Conc: 43.77 ug/ml



#12 Fluoranthene (C21.85)

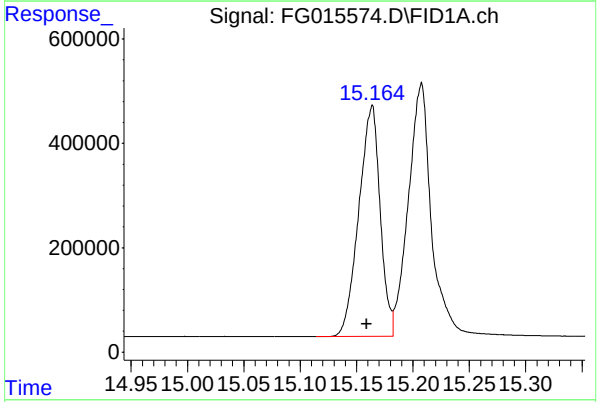
R.T.: 12.976 min
Delta R.T.: 0.002 min
Response: 5925758
Conc: 41.55 ug/ml



#13 Pyrene (C20.8)

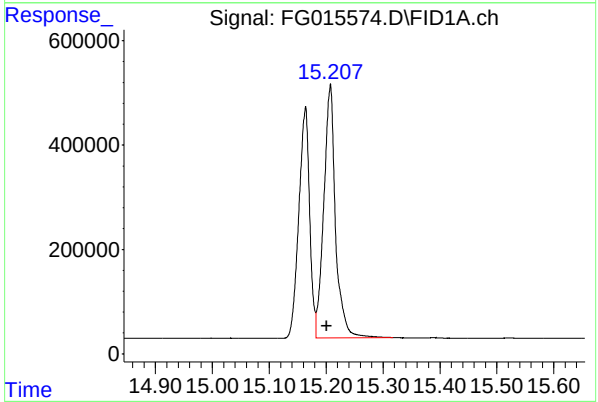
R.T.: 13.275 min
Delta R.T.: 0.003 min
Response: 5982330
Conc: 42.64 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BS



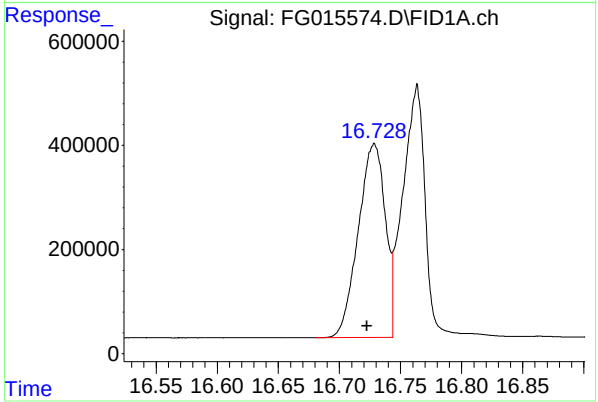
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.163 min
Delta R.T.: 0.004 min
Response: 5823028
Conc: 42.93 ug/ml



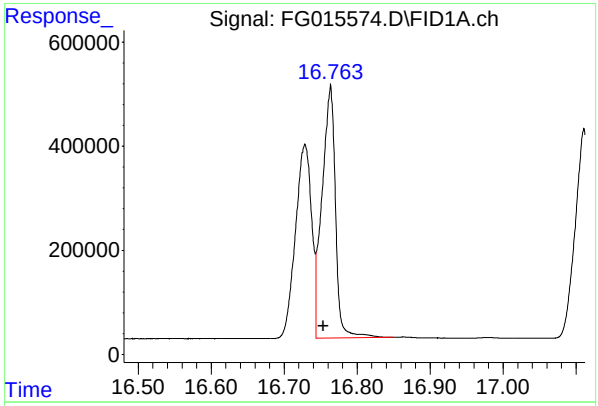
#15 Chrysene (C27.41)

R.T.: 15.207 min
Delta R.T.: 0.006 min
Response: 6968956
Conc: 49.78 ug/ml



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

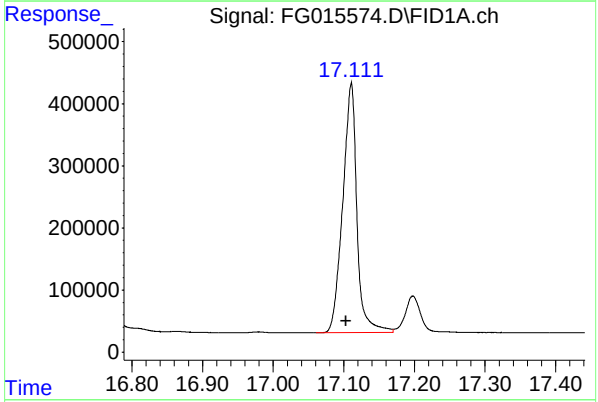
R.T.: 16.728 min
Delta R.T.: 0.006 min
Response: 5723983
Conc: 43.32 ug/ml



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

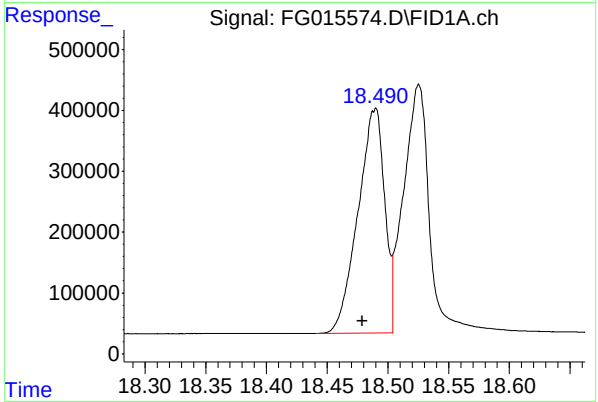
R.T.: 16.763 min
Delta R.T.: 0.009 min
Response: 6200926
Conc: 45.42 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BS



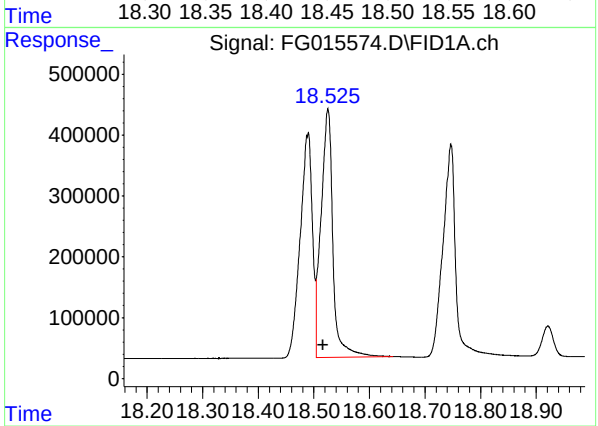
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.110 min
Delta R.T.: 0.007 min
Response: 5609871
Conc: 44.74 ug/ml



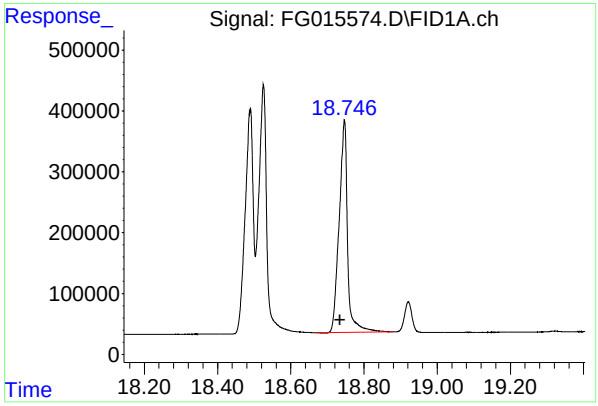
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.489 min
Delta R.T.: 0.010 min
Response: 5648190
Conc: 50.77 ug/ml



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

R.T.: 18.525 min
Delta R.T.: 0.008 min
Response: 6094303
Conc: 47.36 ug/ml



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

R.T.: 18.746 min
Delta R.T.: 0.011 mi
Response: 5549942
Conc: 46.45 ug/m

Instrument :
FID_G
ClientSampleId :
PB167362BS

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015574.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 16:59
Sample : PB167362BS
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	4.554	4.534	4.614	VV	395041	3866328	55.48%	3.294%
2	6.233	6.197	6.326	BB	450609	4604485	66.07%	3.923%
3	7.334	7.297	7.427	BB	426024	4460712	64.01%	3.800%
4	7.965	7.896	8.069	BB	623395	6541026	93.86%	5.572%
5	8.641	8.607	8.717	BB	511347	5332652	76.52%	4.543%
6	8.843	8.804	8.912	BV	356299	3792185	54.42%	3.231%
7	8.942	8.912	9.021	VB	528878	5402075	77.52%	4.602%
8	9.735	9.699	9.821	BB	513605	5709433	81.93%	4.864%
9	11.148	11.091	11.192	BV	515615	5876113	84.32%	5.006%
10	11.223	11.192	11.312	VB	515089	5889457	84.51%	5.017%
11	11.917	11.866	11.971	BB	576530	6383061	91.59%	5.438%
12	12.976	12.931	13.054	BB	508783	5925758	85.03%	5.048%
13	13.275	13.227	13.316	BV	517202	5982330	85.84%	5.096%
14	15.163	15.114	15.182	BV	436181	5823028	83.56%	4.961%
15	15.207	15.182	15.317	VB	486127	6968956	100.00%	5.937%
16	16.728	16.681	16.744	BV	373237	5723983	82.14%	4.876%
17	16.763	16.744	16.849	VB	475840	6200926	88.98%	5.283%
18	17.110	17.061	17.170	BV	402911	5609871	80.50%	4.779%
19	18.489	18.441	18.504	BV	365610	5648190	81.05%	4.812%
20	18.525	18.504	18.642	VB	408711	6094303	87.45%	5.192%
21	18.746	18.669	18.879	BB	347886	5549942	79.64%	4.728%

Sum of corrected areas: 117384815

Aromatic EPH 031725.M Sat Mar 29 03:55:21 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167402BS			SDG No.:	Q1664
Lab Sample ID:	PB167402BS			Matrix:	Water
Analytical Method:	NJEPH			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015596.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	161		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	319		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	582		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	935		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.4		40 - 140	97%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.4		40 - 140	87%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167402BS	Acq On:	01 Apr 2025 16:31
Client Sample ID:	PB167402BS	Operator:	YP\AJ
Data file:	FG015596.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	4.450	6.329	10793794	80.553	200	ug/ml
Aromatic C12-C16	6.330	9.035	21879477	159.528	300	ug/ml
Aromatic C16-C21	9.036	13.365	40581099	291.091	500	ug/ml
Aromatic C21-C36	13.366	18.829	60879973	467.61	800	ug/ml
Aromatic EPH	4.450	18.829	134134343	998.782		ug/ml
2-Bromonaphthalene (SURR)	7.960	7.960	5910150	48.38		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	3265752	39.51		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6323005	43.36		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015596.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:31
Operator : YP\AJ
Sample : PB167402BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167402BS

Integration File: autoint1.e
Quant Time: Apr 02 01:15:46 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...	7.960	5910150	48.382 ug/ml
	Spiked Amount 50.000		Recovery =	96.76%
6)	S 2-Flurobiphenyl (SURR)	8.838	3265752	39.510 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	79.02%
11)	S ortho-Terphenyl (SURR)	11.912	6323005	43.359 ug/ml
	Spiked Amount 50.000		Recovery =	86.72%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.549	4787739	36.029 ug/ml
2)	T Naphthalene (C11.7)	6.228	6006055	44.454 ug/ml
3)	T 2-Methylnaphthalene (...	7.331	6193942	46.434 ug/ml
5)	T Acenaphthylene (C15.06)	8.637	7665176	54.121 ug/ml
7)	T Acenaphthene (C15.5)	8.940	8020359	58.786 ug/ml
8)	T Flouorene (C16.55)	9.732	8095619	57.990 ug/ml
9)	T Phenanthrene (C19.36)	11.144	8121394	57.646 ug/ml
10)	T Anthracene (C19.43)	11.220	8157616	59.614 ug/ml
12)	T Fluoranthene (C21.85)	12.972	8061976	56.534 ug/ml
13)	T Pyrene (C20.8)	13.272	8144494	58.045 ug/ml
14)	T Benzo[a]anthracene (C...	15.159	7520695	55.449 ug/ml
15)	T Chrysene (C27.41)	15.204	9133269	65.242 ug/ml
16)	T benzo[b]fluoranthene ...	16.724	7550768	57.142 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.759	8184545	59.944 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.106	7415221	59.132 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.484	6566370	59.018 ug/ml
20)	T Dibenz[a,h]anthracene...	18.520	7567050	58.805 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.741	6942055	58.095 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

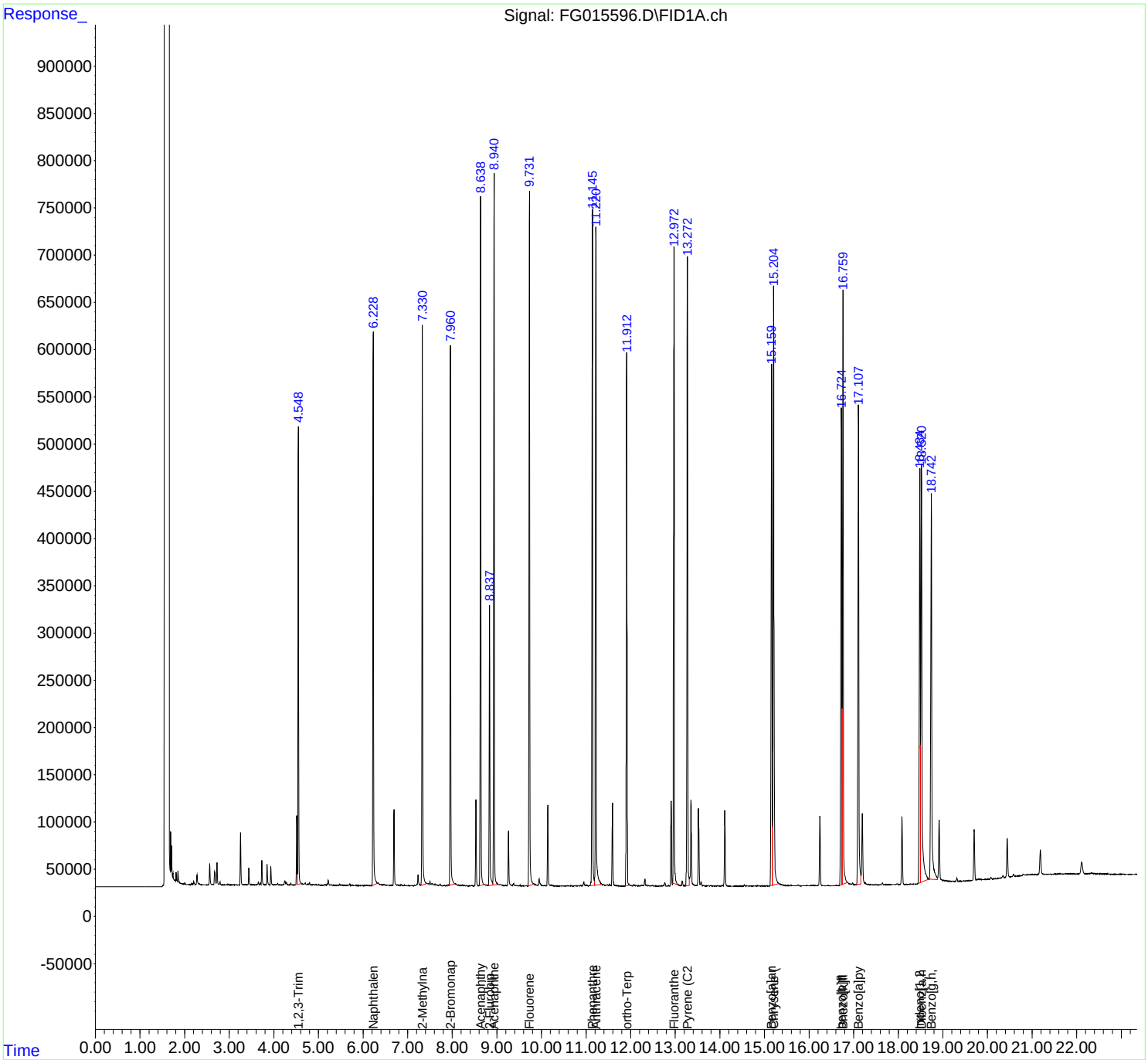
Quantitation Report (QT Reviewed)

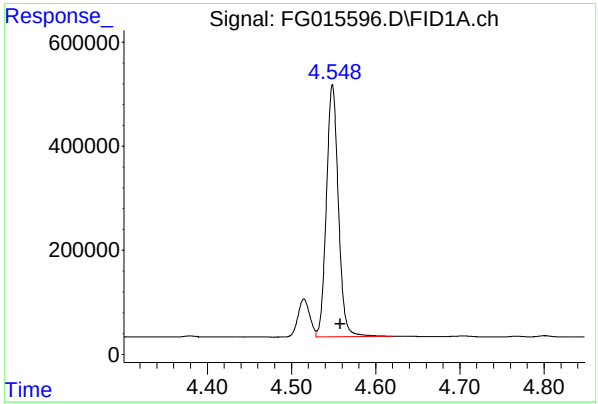
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015596.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:31
Operator : YP\AJ
Sample : PB167402BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167402BS

Integration File: autoint1.e
Quant Time: Apr 02 01:15:46 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

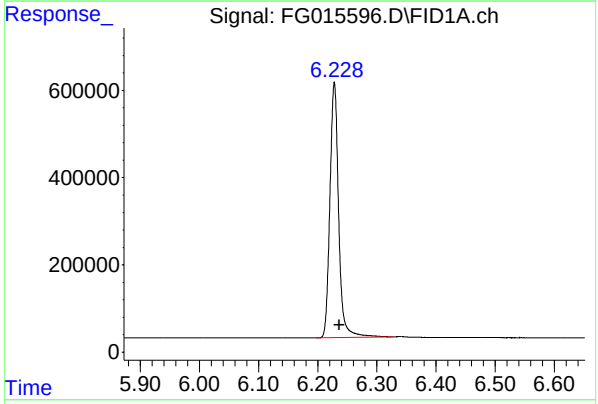




#1 1,2,3-Trimethylbenzene (C10.1)

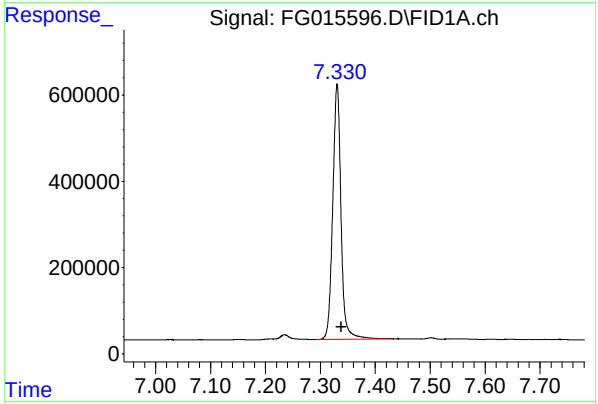
R.T.: 4.549 min
Delta R.T.: -0.009 min
Response: 4787739
Conc: 36.03 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167402BS



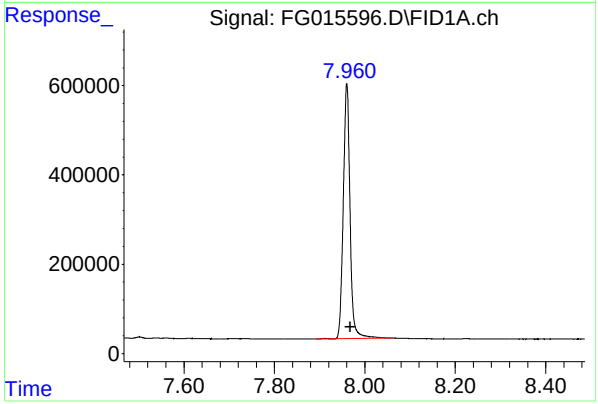
#2 Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.009 min
Response: 6006055
Conc: 44.45 ug/ml



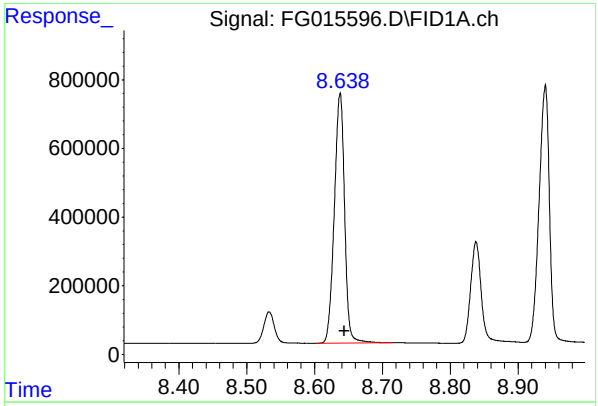
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.008 min
Response: 6193942
Conc: 46.43 ug/ml



#4 2-Bromonaphthalene (SURR)

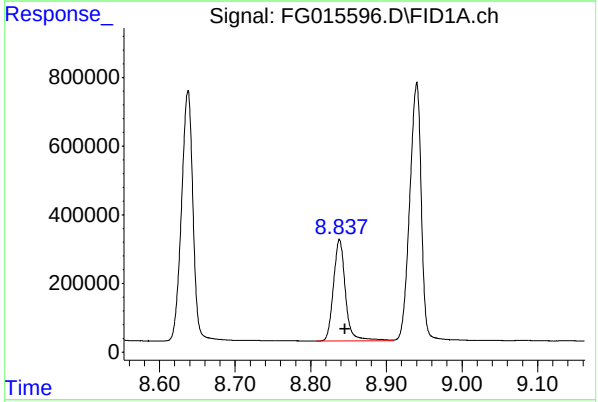
R.T.: 7.960 min
Delta R.T.: -0.008 min
Response: 5910150
Conc: 48.38 ug/ml



#5 Acenaphthylene (C15.06)

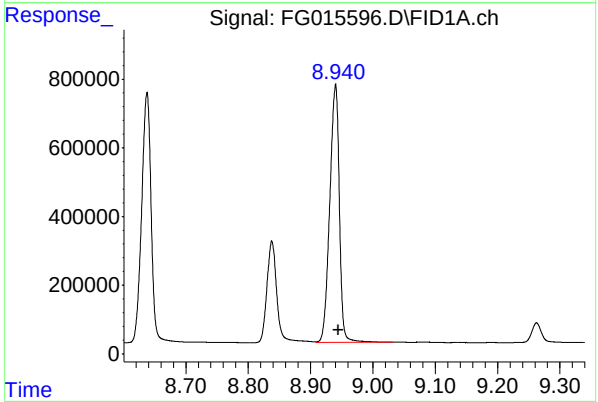
R.T.: 8.637 min
Delta R.T.: -0.006 min
Response: 7665176
Conc: 54.12 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167402BS



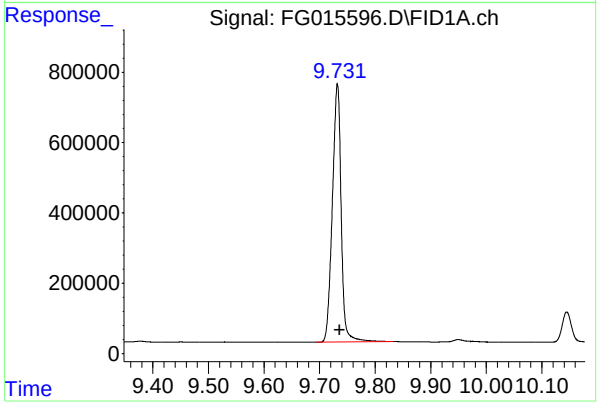
#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 3265752
Conc: 39.51 ug/ml



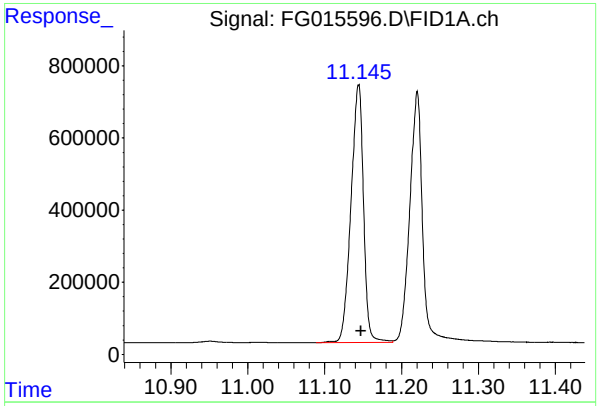
#7 Acenaphthene (C15.5)

R.T.: 8.940 min
Delta R.T.: -0.004 min
Response: 8020359
Conc: 58.79 ug/ml



#8 Flouorene (C16.55)

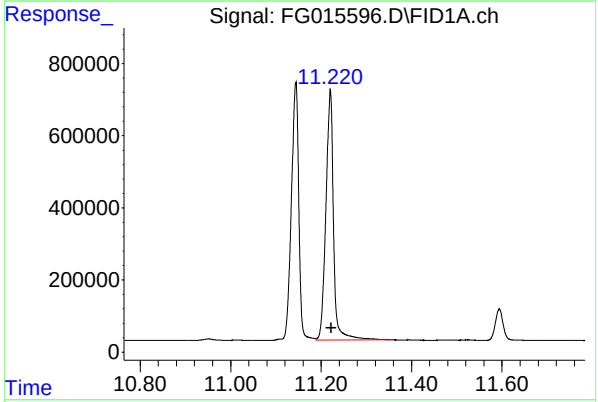
R.T.: 9.732 min
Delta R.T.: -0.005 min
Response: 8095619
Conc: 57.99 ug/ml



#9 Phenanthrene (C19.36)

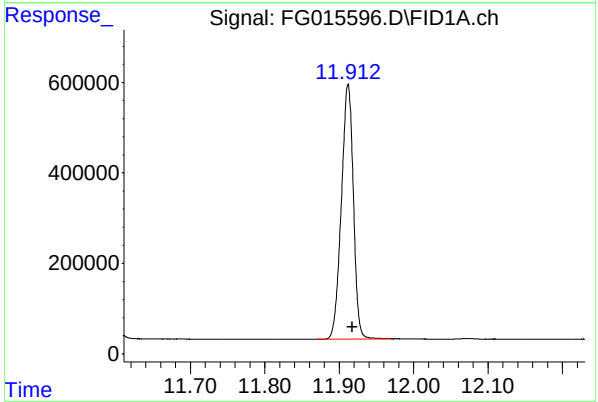
R.T.: 11.144 min
Delta R.T.: -0.004 min
Response: 8121394
Conc: 57.65 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167402BS



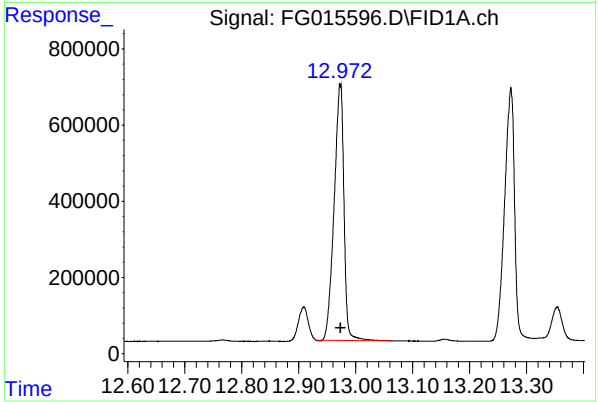
#10 Anthracene (C19.43)

R.T.: 11.220 min
Delta R.T.: -0.003 min
Response: 8157616
Conc: 59.61 ug/ml



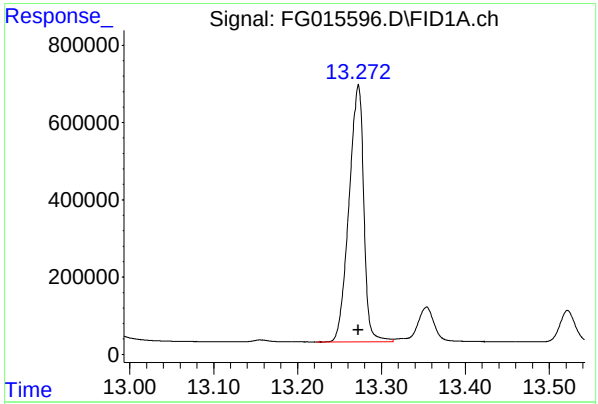
#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.006 min
Response: 6323005
Conc: 43.36 ug/ml



#12 Fluoranthene (C21.85)

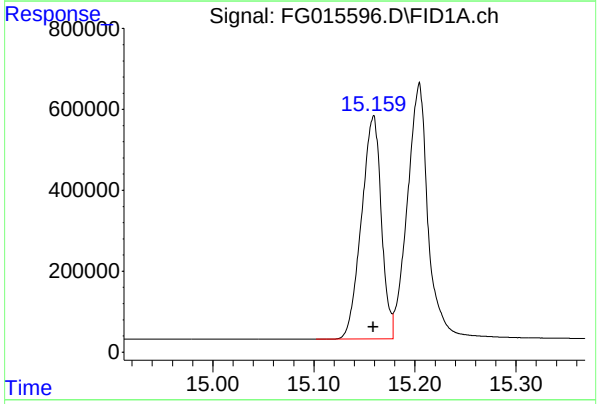
R.T.: 12.972 min
Delta R.T.: -0.001 min
Response: 8061976
Conc: 56.53 ug/ml



#13 Pyrene (C20.8)

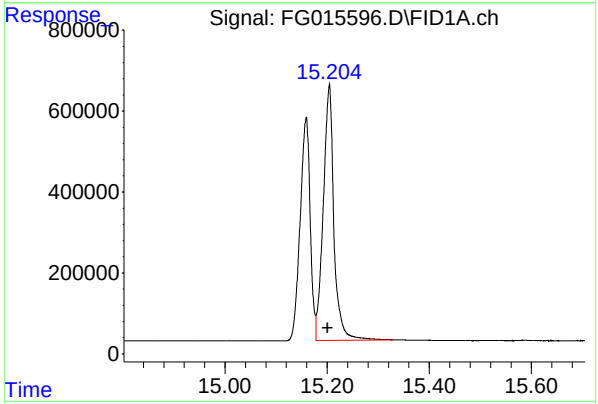
R.T.: 13.272 min
Delta R.T.: 0.000 min
Response: 8144494
Conc: 58.04 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167402BS



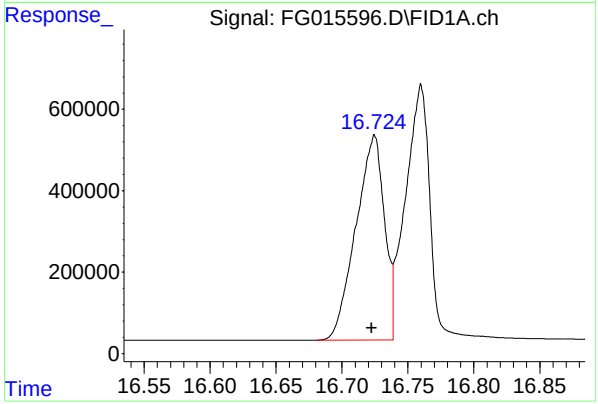
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.000 min
Response: 7520695
Conc: 55.45 ug/ml



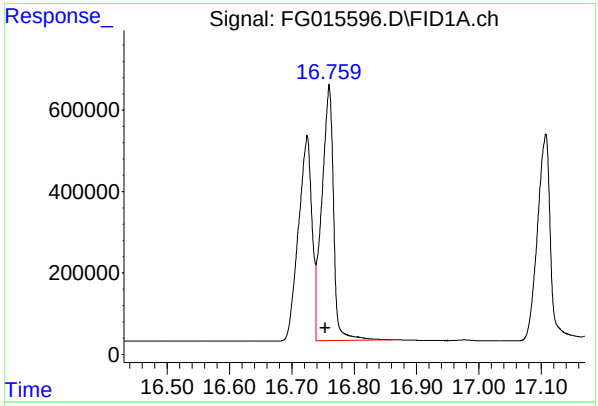
#15 Chrysene (C27.41)

R.T.: 15.204 min
Delta R.T.: 0.003 min
Response: 9133269
Conc: 65.24 ug/ml



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

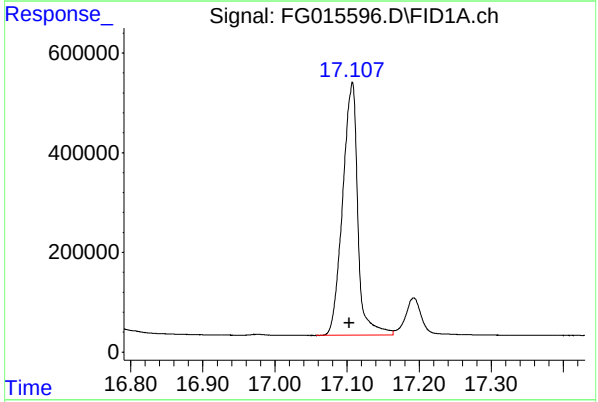
R.T.: 16.724 min
Delta R.T.: 0.001 min
Response: 7550768
Conc: 57.14 ug/ml



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

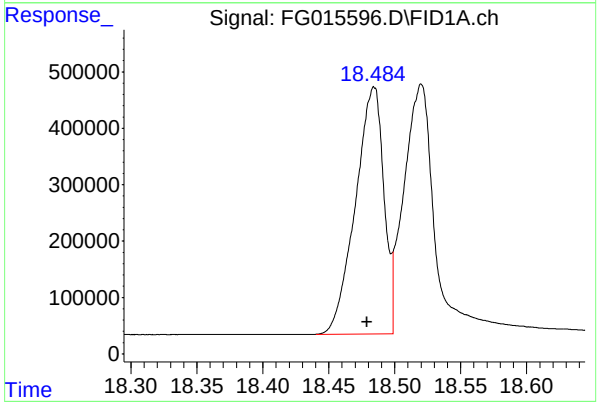
R.T.: 16.759 min
Delta R.T.: 0.005 min
Response: 8184545
Conc: 59.94 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167402BS



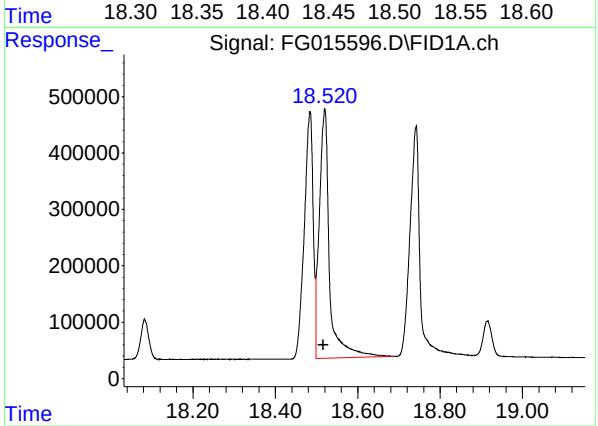
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.106 min
Delta R.T.: 0.003 min
Response: 7415221
Conc: 59.13 ug/ml



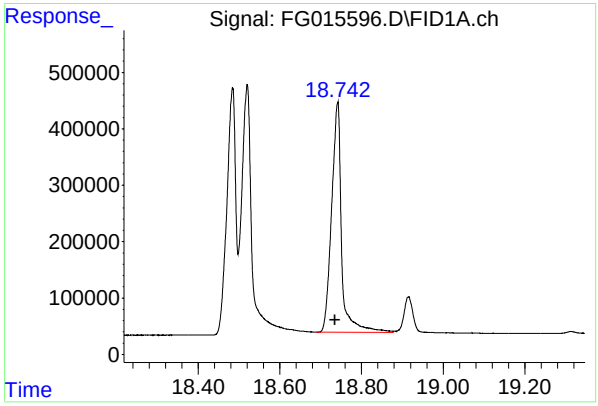
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.484 min
Delta R.T.: 0.005 min
Response: 6566370
Conc: 59.02 ug/ml



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

R.T.: 18.520 min
Delta R.T.: 0.003 min
Response: 7567050
Conc: 58.80 ug/ml



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

R.T.: 18.741 min
Delta R.T.: 0.006 mi
Response: 6942055
Conc: 58.10 ug/m

Instrument :
FID_G
ClientSampleId :
PB167402BS

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015596.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:31
Sample : PB167402BS
Misc :
ALS Vial : 24 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	4.549	4.529	4.620	VB	484231	4787739	52.42%	3.200%
2	6.228	6.197	6.327	BB	585685	6006055	65.76%	4.014%
3	7.331	7.292	7.432	BB	592919	6193942	67.82%	4.139%
4	7.960	7.892	8.062	BB	572013	5910150	64.71%	3.950%
5	8.637	8.602	8.715	BB	726645	7665176	83.93%	5.123%
6	8.838	8.807	8.909	BV	295317	3265752	35.76%	2.183%
7	8.940	8.909	9.032	VB	756800	8020359	87.81%	5.360%
8	9.732	9.694	9.832	BB	735887	8095619	88.64%	5.410%
9	11.144	11.089	11.189	BV	716287	8121394	88.92%	5.428%
10	11.220	11.189	11.359	VB	699842	8157616	89.32%	5.452%
11	11.912	11.869	11.972	BB	564016	6323005	69.23%	4.226%
12	12.972	12.930	13.065	BB	675903	8061976	88.27%	5.388%
13	13.272	13.222	13.314	BV	665234	8144494	89.17%	5.443%
14	15.159	15.102	15.178	BV	550757	7520695	82.34%	5.026%
15	15.204	15.178	15.329	VB	629023	9133269	100.00%	6.104%
16	16.724	16.680	16.739	BV	500190	7550768	82.67%	5.046%
17	16.759	16.739	16.862	VB	619665	8184545	89.61%	5.470%
18	17.106	17.057	17.164	BV	509147	7415221	81.19%	4.956%
19	18.484	18.440	18.499	BV	438725	6566370	71.90%	4.388%
20	18.520	18.499	18.685	VB	440762	7567050	82.85%	5.057%
21	18.741	18.689	18.877	BV	406222	6942055	76.01%	4.639%

Sum of corrected areas: 149633249

Aromatic EPH 031725.M Wed Apr 02 02:26:32 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167402BS	SDG No.:	Q1664
Lab Sample ID:	PB167402BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 16:46	PB167402

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	223		1	8.28	30.0	ug/l	FC068470.D
Aliphatic C12-C16	Aliphatic C12-C16	214		1	13.5	20.0	ug/l	FC068470.D
Aliphatic C16-C21	Aliphatic C16-C21	338		1	8.34	30.0	ug/l	FC068470.D
Aliphatic C21-C28	Aliphatic C21-C28	426		1	12.5	40.0	ug/l	FC068470.D
Aliphatic C28-C40	Aliphatic C28-C40	659		1	23.8	60.0	ug/l	FC068470.D
Aromatic C10-C12	Aromatic C10-C12	161		1	2.07	20.0	ug/l	FG015596.D
Aromatic C12-C16	Aromatic C12-C16	319		1	4.26	30.0	ug/l	FG015596.D
Aromatic C16-C21	Aromatic C16-C21	582		1	8.27	50.0	ug/l	FG015596.D
Aromatic C21-C36	Aromatic C21-C36	935		1	23.8	80.0	ug/l	FG015596.D
Total AliphaticEPH	Total AliphaticEPH	1860			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2000			38.4	180	ug/l	
Total EPH	Total EPH	3860			105	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167402BS		SDG No.:	Q1664	
Lab Sample ID:	PB167402BS		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068470.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	223		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	214		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	338		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	426		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	659		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167402BS	Acq On:	01 Apr 2025 16:46
Client Sample ID:	PB167402BS	Operator:	YP/AJ
Data file:	FC068470.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	18170626	111.944	300	ug/ml
Aliphatic C12-C16	6.360	9.742	18046275	107.294	200	ug/ml
Aliphatic C16-C21	9.743	13.096	29019120	169.197	300	ug/ml
Aliphatic C21-C28	13.097	16.749	35975323	213.036	400	ug/ml
Aliphatic C28-C40	16.750	21.544	44911425	329.815	600	ug/ml
Aliphatic EPH	3.097	21.544	146122769	931.286		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	5962488	40		ug/ml
Aliphatic C9-C28	3.097	16.749	101211344	601.471	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068470.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:46
Operator : YP/AJ
Sample : PB167402BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167402BS

Integration File: autoint1.e
Quant Time: Apr 02 02:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.827	5962488	39.997 ug/ml
Spiked Amount	50.000		Recovery =	79.99%
	Target Compounds			
1) T	n-Nonane (C9)	3.199	4686438	29.301 ug/ml
2) T	n-Decane (C10)	4.254	5958879	36.759 ug/ml
4) T	n-Dodecane (C12)	6.260	7525309	45.633 ug/ml
6) T	n-Tetradecane (C14)	8.048	8737339	53.102 ug/ml
7) T	n-Hexadecane (C16)	9.644	9308936	54.169 ug/ml
8) T	n-Octadecane (C18)	11.082	9552707	54.423 ug/ml
10) T	n-Eicosane (C20)	12.388	9928005	57.969 ug/ml
11) T	n-Heneicosane (C21)	12.998	9538408	56.864 ug/ml
13) T	n-Docosane (C22)	13.583	9445724	55.991 ug/ml
14) T	n-Tetracosane (C24)	14.683	9178597	53.594 ug/ml
15) T	n-Hexacosane (C26)	15.702	8874979	52.731 ug/ml
16) T	n-Octacosane (C28)	16.650	8476023	50.690 ug/ml
17) T	n-Tricontane (C30)	17.536	8356777	47.929 ug/ml
18) T	n-Dotriacontane (C32)	18.367	8033669	47.990 ug/ml
19) T	n-Tetratriacontane (C34)	19.149	7685378	52.104 ug/ml
20) T	n-Hexatriacontane (C36)	19.888	7177111	58.646 ug/ml
21) T	n-Octatriacontane (C38)	20.598	6910199	64.350 ug/ml
22) T	n-Tetracontane (C40)	21.447	6748291	68.856 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

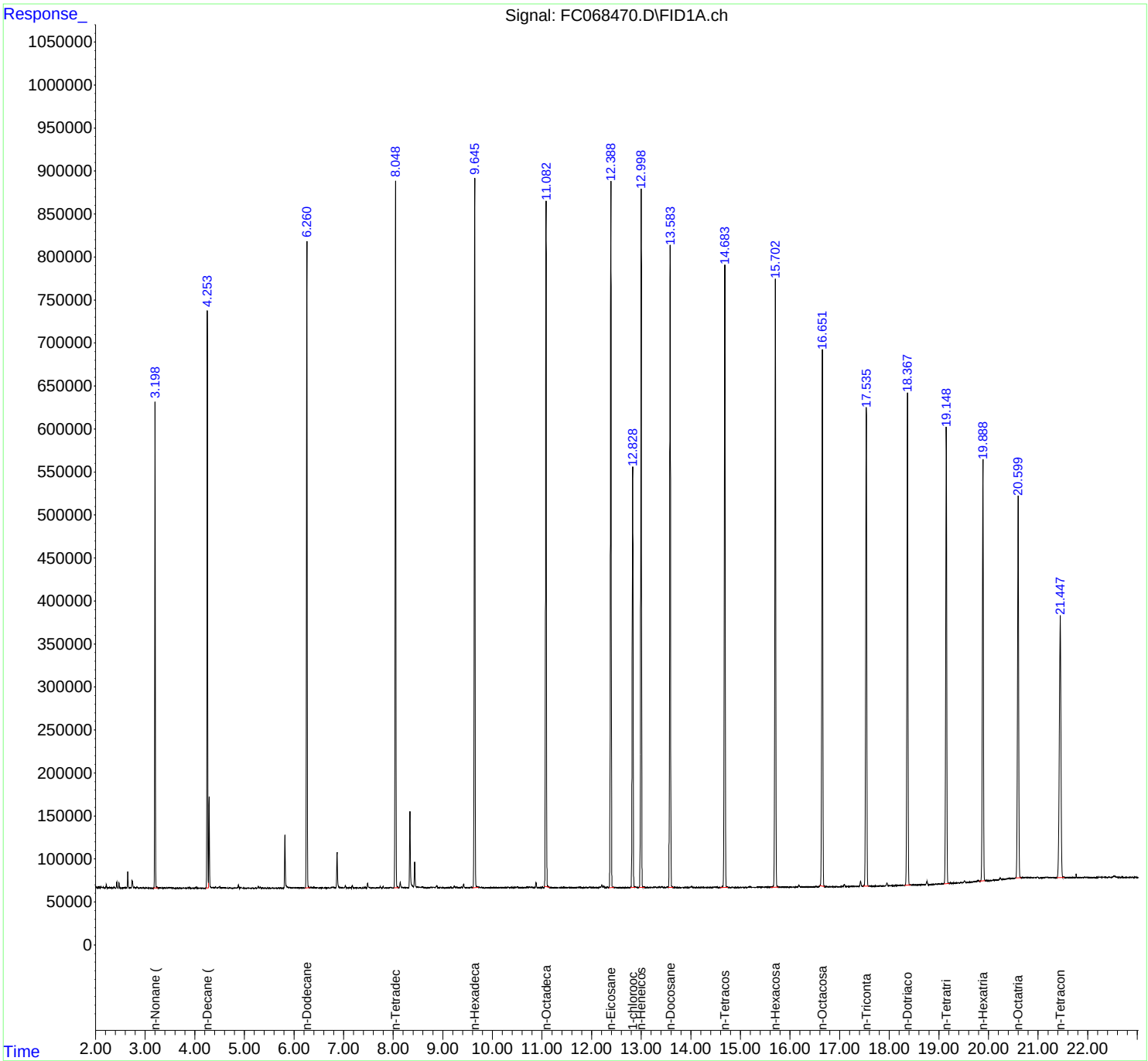
Quantitation Report (QT Reviewed)

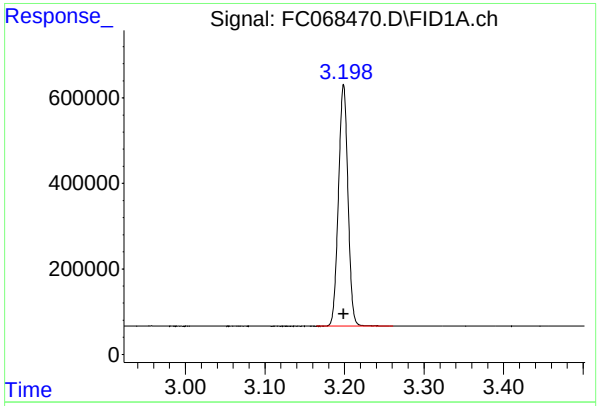
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068470.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:46
Operator : YP/AJ
Sample : PB167402BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167402BS

Integration File: autoint1.e
Quant Time: Apr 02 02:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

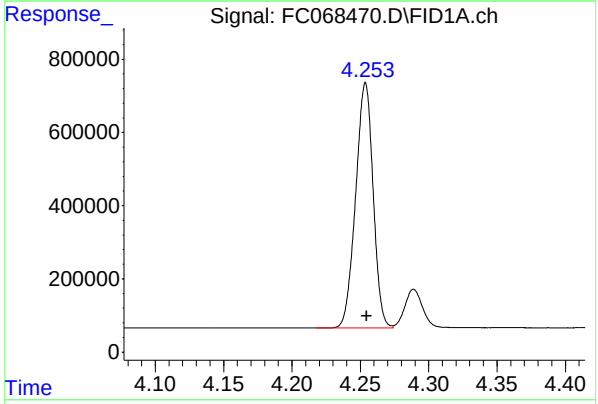




#1 n-Nonane (C9)

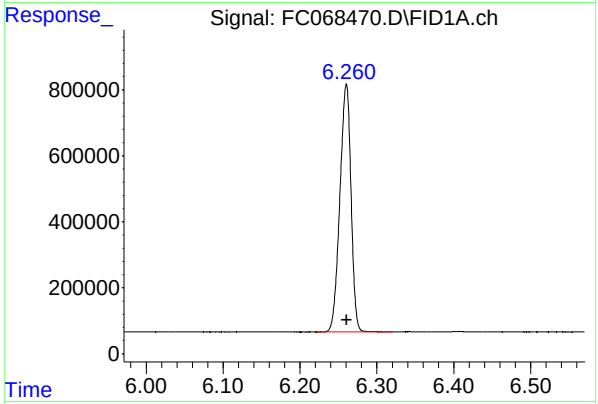
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 4686438
Conc: 29.30 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167402BS



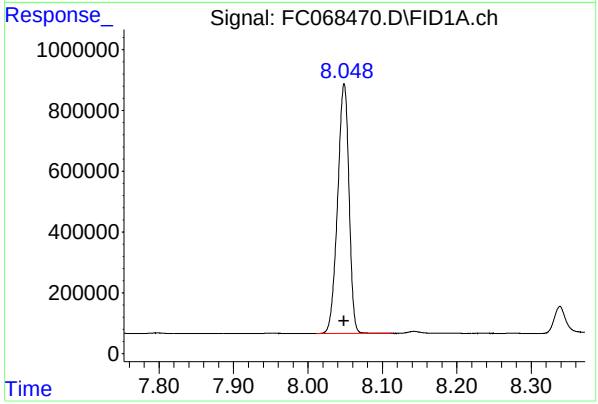
#2 n-Decane (C10)

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 5958879
Conc: 36.76 ug/ml



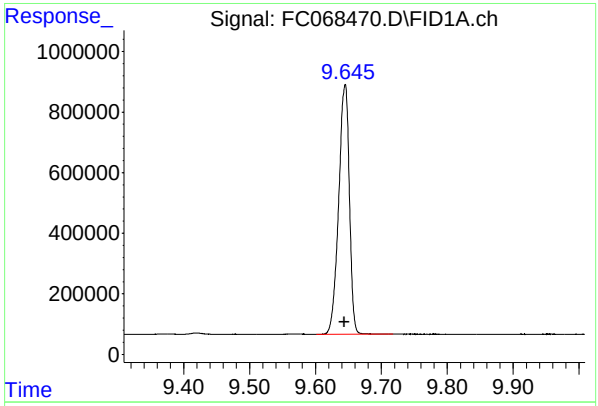
#4 n-Dodecane (C12)

R.T.: 6.260 min
Delta R.T.: -0.001 min
Response: 7525309
Conc: 45.63 ug/ml



#6 n-Tetradecane (C14)

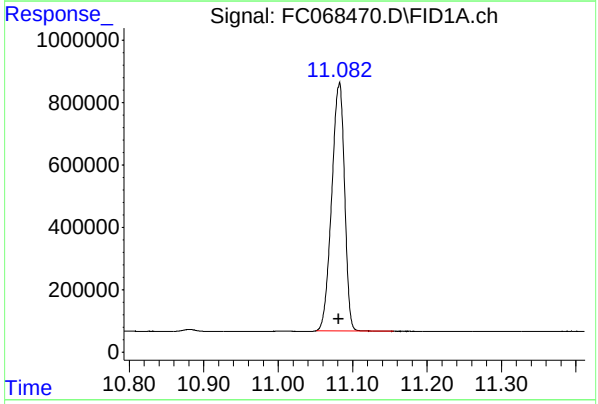
R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 8737339
Conc: 53.10 ug/ml



#7 n-Hexadecane (C16)

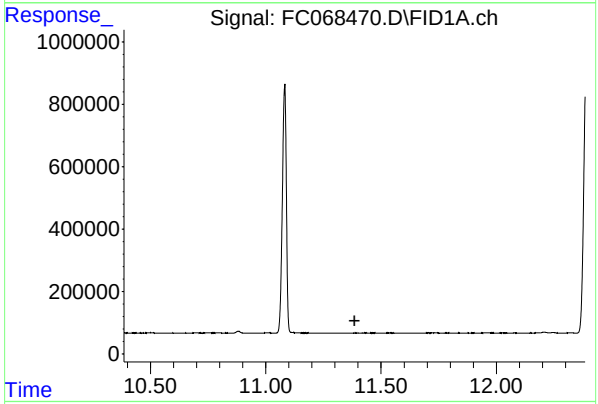
R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 9308936
Conc: 54.17 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167402BS



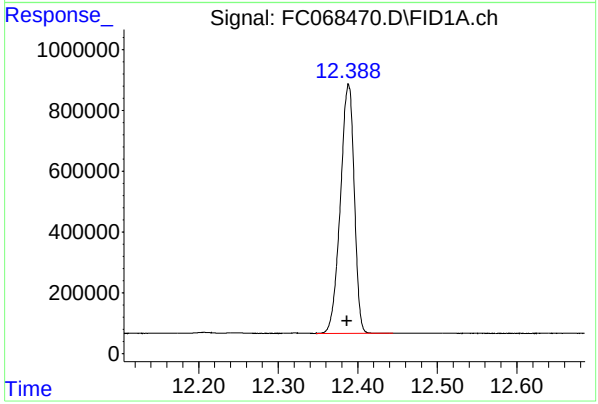
#8 n-Octadecane (C18)

R.T.: 11.082 min
Delta R.T.: 0.000 min
Response: 9552707
Conc: 54.42 ug/ml



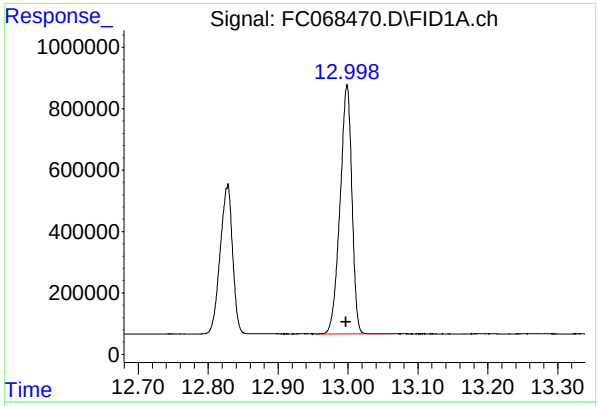
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

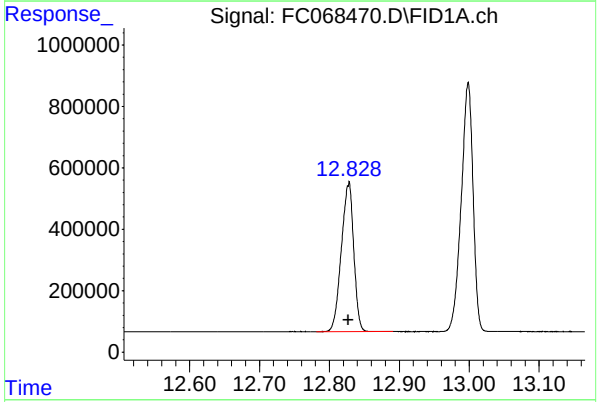
R.T.: 12.388 min
Delta R.T.: 0.002 min
Response: 9928005
Conc: 57.97 ug/ml



#11 n-Heneicosane (C21)

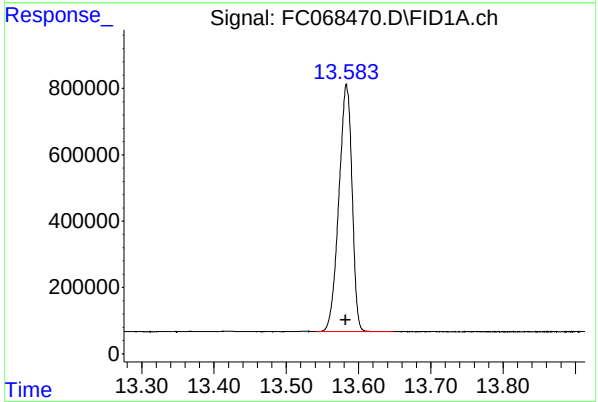
R.T.: 12.998 min
Delta R.T.: 0.001 min
Response: 9538408
Conc: 56.86 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167402BS



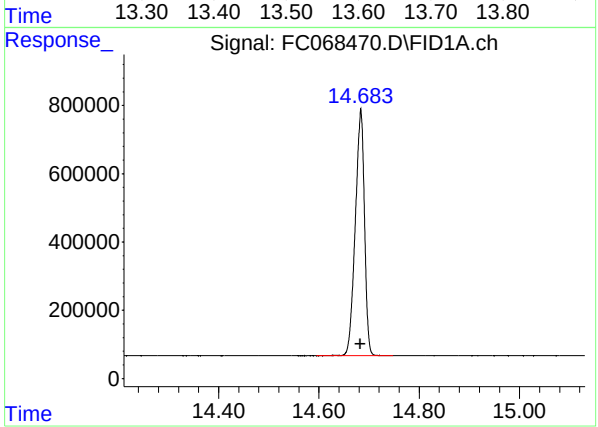
#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 5962488
Conc: 40.00 ug/ml



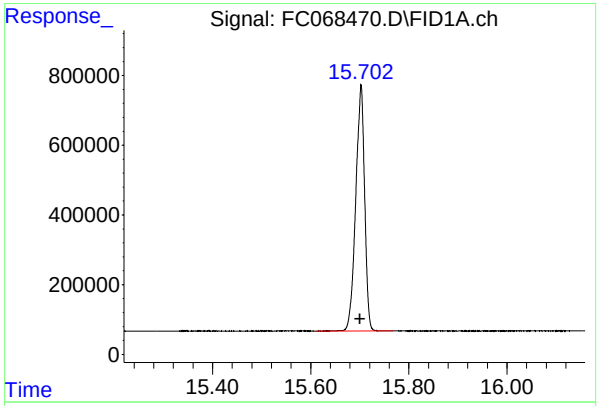
#13 n-Docosane (C22)

R.T.: 13.583 min
Delta R.T.: 0.001 min
Response: 9445724
Conc: 55.99 ug/ml



#14 n-Tetracosane (C24)

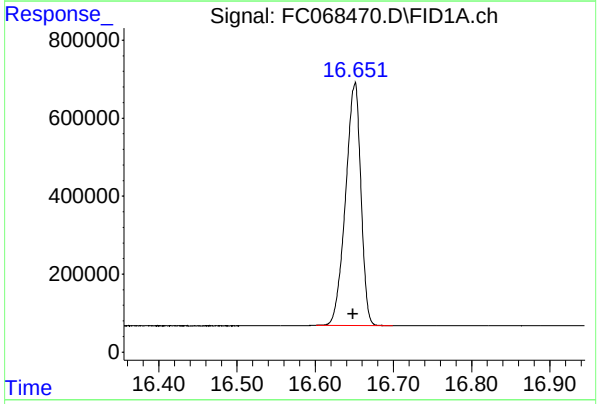
R.T.: 14.683 min
Delta R.T.: 0.000 min
Response: 9178597
Conc: 53.59 ug/ml



#15 n-Hexacosane (C26)

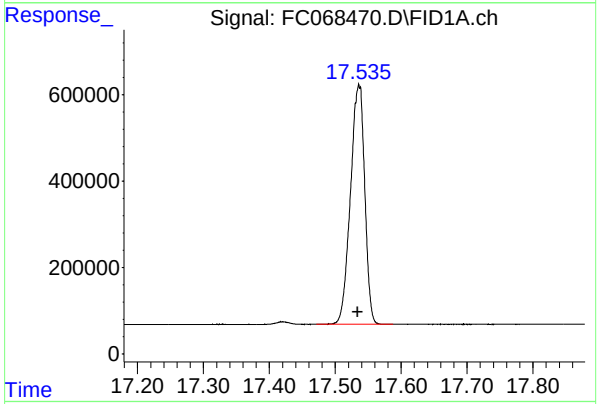
R.T.: 15.702 min
Delta R.T.: 0.002 min
Response: 8874979
Conc: 52.73 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167402BS



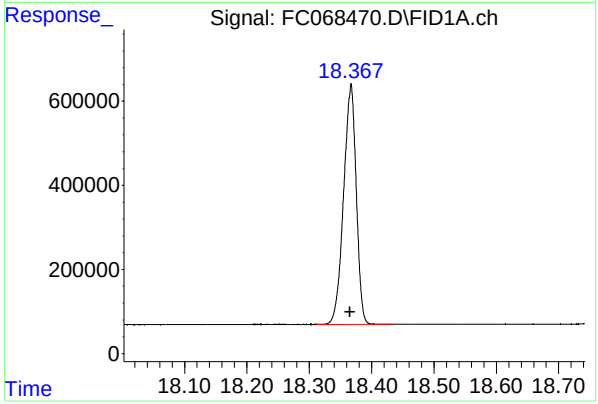
#16 n-Octacosane (C28)

R.T.: 16.650 min
Delta R.T.: 0.002 min
Response: 8476023
Conc: 50.69 ug/ml



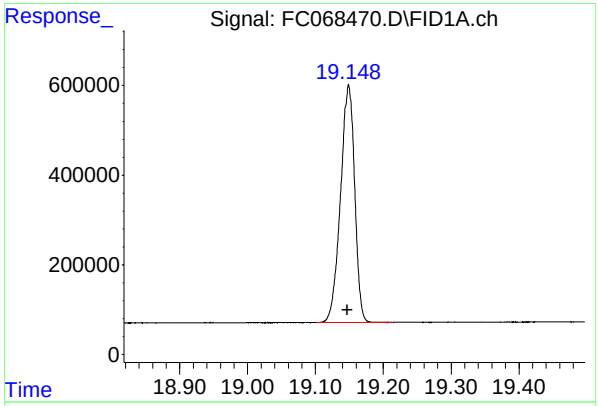
#17 n-Tricontane (C30)

R.T.: 17.536 min
Delta R.T.: 0.001 min
Response: 8356777
Conc: 47.93 ug/ml



#18 n-Dotriacontane (C32)

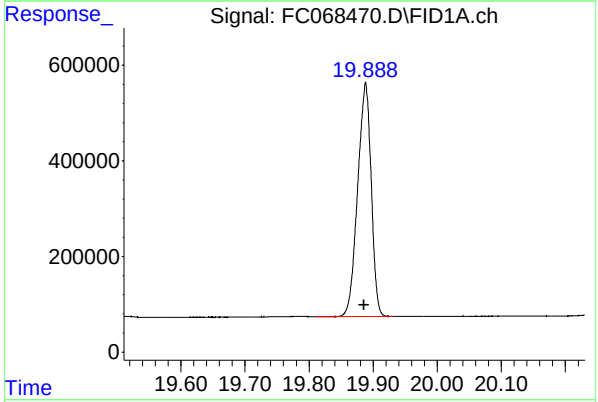
R.T.: 18.367 min
Delta R.T.: 0.001 min
Response: 8033669
Conc: 47.99 ug/ml



#19 n-Tetratriacontane (C34)

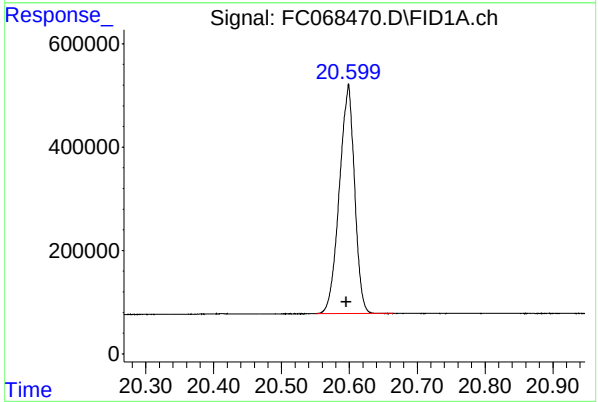
R.T.: 19.149 min
Delta R.T.: 0.001 min
Response: 7685378
Conc: 52.10 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167402BS



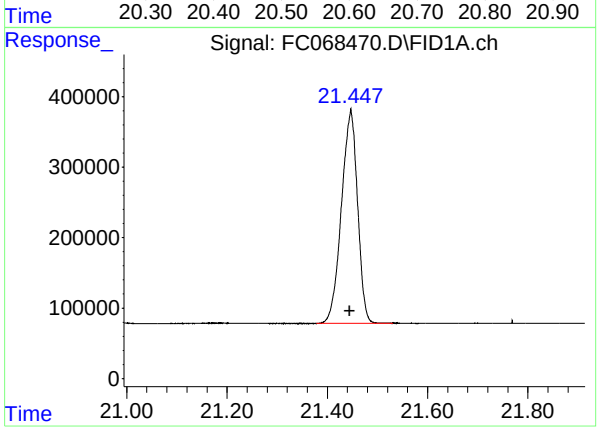
#20 n-Hexatriacontane (C36)

R.T.: 19.888 min
Delta R.T.: 0.002 min
Response: 7177111
Conc: 58.65 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.598 min
Delta R.T.: 0.002 min
Response: 6910199
Conc: 64.35 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.447 min
Delta R.T.: 0.002 min
Response: 6748291
Conc: 68.86 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068470.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 16:46
Sample : PB167402BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.199	3.164	3.261	BB	558694	4686438	47.20%	3.081%
2	4.254	4.218	4.274	BV	671603	5958879	60.02%	3.918%
3	6.260	6.221	6.321	BB	756965	7525309	75.80%	4.948%
4	8.048	8.011	8.114	BB	817112	8737339	88.01%	5.745%
5	9.644	9.601	9.718	BB	821952	9308936	93.76%	6.121%
6	11.082	11.051	11.154	BB	788650	9552707	96.22%	6.281%
7	12.388	12.348	12.444	BB	816604	9928005	100.00%	6.528%
8	12.827	12.781	12.891	BB	484989	5962488	60.06%	3.920%
9	12.998	12.954	13.064	BB	807202	9538408	96.08%	6.272%
10	13.583	13.541	13.648	PB	742459	9445724	95.14%	6.211%
11	14.683	14.594	14.748	BB	722990	9178597	92.45%	6.035%
12	15.702	15.611	15.768	BB	690159	8874979	89.39%	5.836%
13	16.650	16.601	16.699	BBA	624087	8476023	85.37%	5.573%
14	17.536	17.471	17.588	BB	552142	8356777	84.17%	5.495%
15	18.367	18.311	18.434	BB	572984	8033669	80.92%	5.282%
16	19.149	19.101	19.214	BB	522962	7685378	77.41%	5.053%
17	19.888	19.811	19.931	BB	486545	7177111	72.29%	4.719%
18	20.598	20.551	20.664	BB	434899	6910199	69.60%	4.544%
19	21.447	21.378	21.531	BB	302650	6748291	67.97%	4.437%

Sum of corrected areas: 152085258

Aliphatic EPH 032625.M Wed Apr 02 03:29:34 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BSD		SDG No.:	Q1664	
Lab Sample ID:	PB167362BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015575.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.49		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.88		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.0		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.1		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.2		40 - 140	114%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.1		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.7		40 - 140	93%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167362BSD	Acq On:	28 Mar 2025 17:28
Client Sample ID:	PB167362BSD	Operator:	YP\AJ
Data file:	FG015575.D	Misc:	
Instrument:	FID_G	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	9030117	67.391	200	ug/ml
Aromatic C12-C16	6.330	9.039	16214434	118.223	300	ug/ml
Aromatic C16-C21	9.040	13.371	31381736	225.103	500	ug/ml
Aromatic C21-C36	13.372	18.837	50909115	391.026	800	ug/ml
Aromatic EPH	4.449	18.837	107535402	801.742		ug/ml
2-Bromonaphthalene (SURR)	7.966	7.966	6984344	57.18		ug/ml
2-Flurobiphenyl (SURR)	8.844	8.844	4054890	49.06		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	6803874	46.66		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015575.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:28
Operator : YP\AJ
Sample : PB167362BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167362BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:13:11 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	6984344	57.176 ug/ml
Spiked Amount	50.000		Recovery =	114.35%
6) S	2-Flurobiphenyl (SURR)	8.844	4054890	49.057 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	98.11%
11) S	ortho-Terphenyl (SURR)	11.917	6803874	46.657 ug/ml
Spiked Amount	50.000		Recovery =	93.31%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.554	4111903	30.943 ug/ml
2) T	Naphthalene (C11.7)	6.233	4918214	36.403 ug/ml
3) T	2-Methylnaphthalene (...	7.335	4763248	35.709 ug/ml
5) T	Acenaphthylene (C15.06)	8.641	5691270	40.184 ug/ml
7) T	Acenaphthene (C15.5)	8.943	5759916	42.218 ug/ml
8) T	Flouorene (C16.55)	9.736	6103368	43.719 ug/ml
9) T	Phenanthrene (C19.36)	11.147	6278124	44.563 ug/ml
10) T	Anthracene (C19.43)	11.224	6290971	45.973 ug/ml
12) T	Fluoranthene (C21.85)	12.976	6528436	45.780 ug/mlm
13) T	Pyrene (C20.8)	13.275	6367918	45.383 ug/ml
14) T	Benzo[a]anthracene (C...	15.163	6213561	45.812 ug/ml
15) T	Chrysene (C27.41)	15.208	7425796	53.045 ug/ml
16) T	benzo[b]fluoranthene ...	16.728	6098053	46.148 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.763	6581468	48.203 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.110	5978965	47.679 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.490	6131360	55.108 ug/ml
20) T	Dibenz[a,h]anthracene...	18.526	6510873	50.597 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.747	5969039	49.952 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

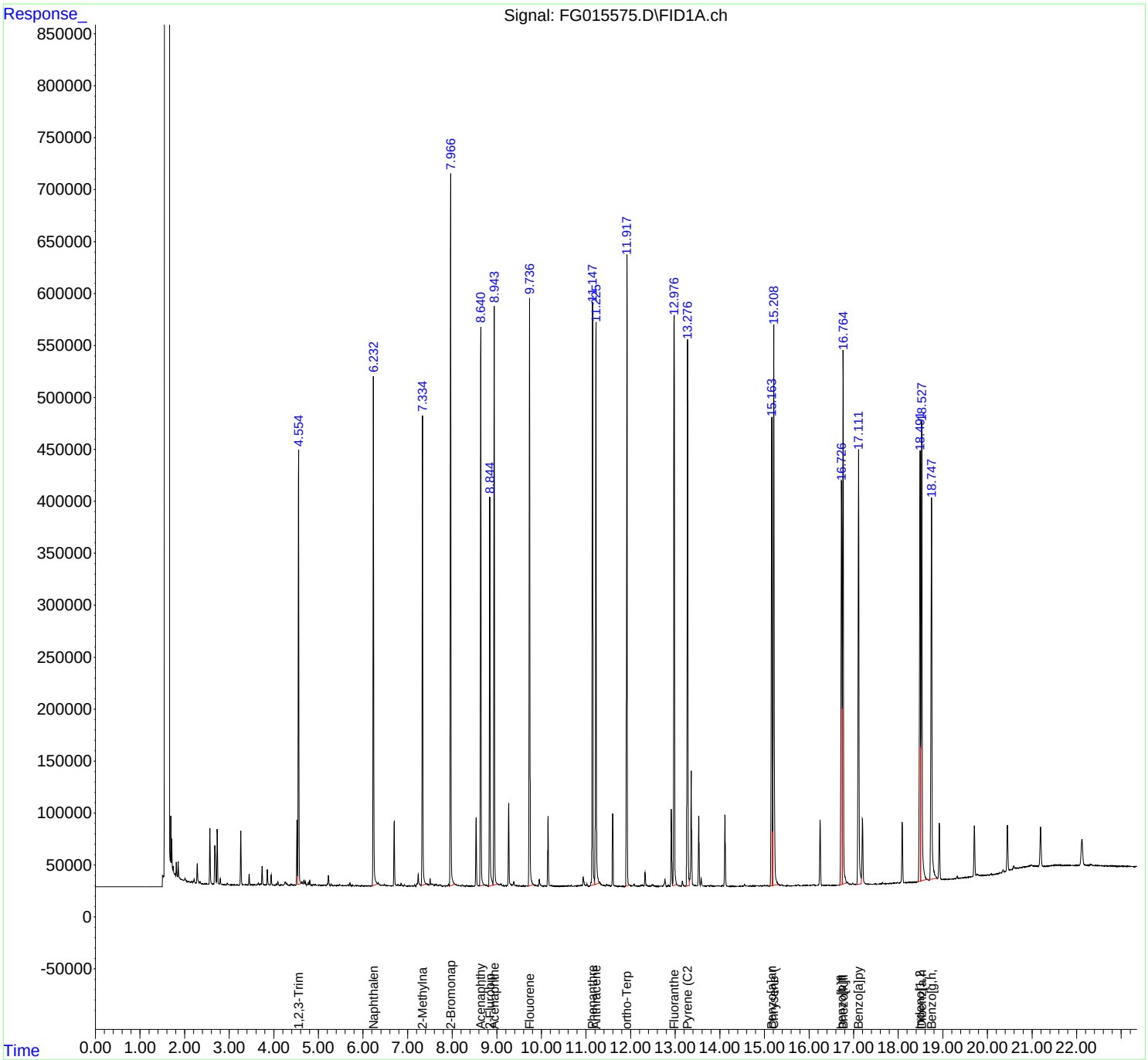
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015575.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:28
Operator : YP\AJ
Sample : PB167362BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

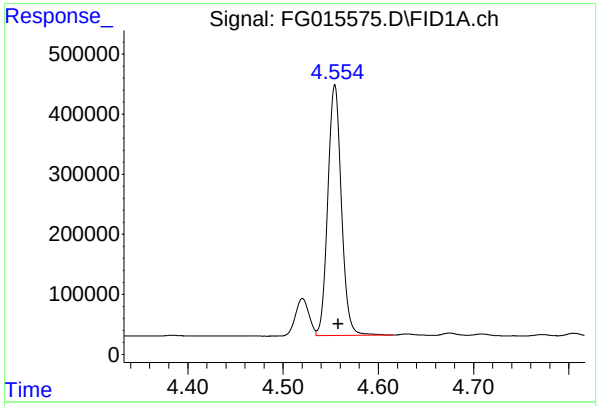
Integration File: autoint1.e
Quant Time: Mar 29 03:13:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
PB167362BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025





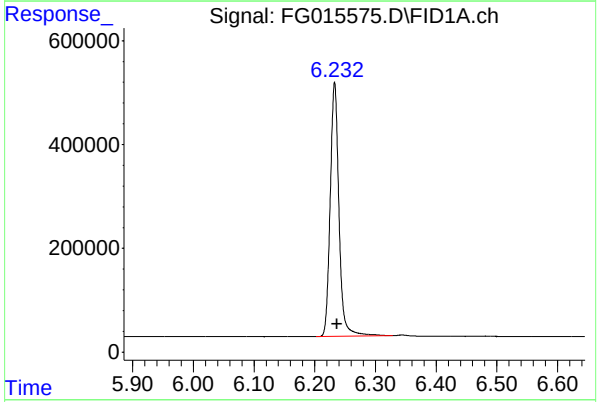
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.554 min
Delta R.T.: -0.004 min
Response: 4111903
Conc: 30.94 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BSD

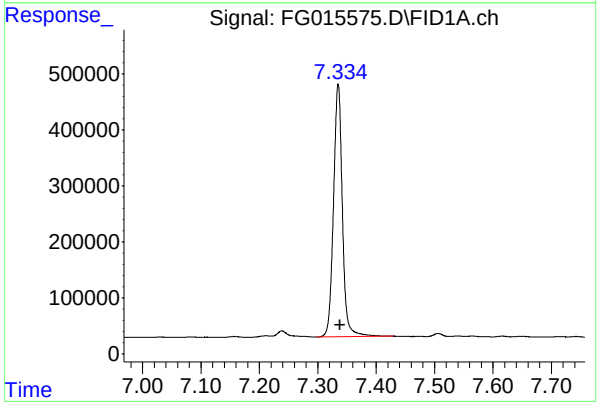
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



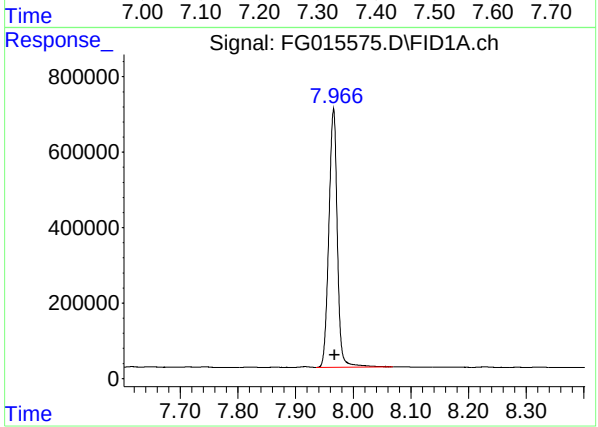
#2 Naphthalene (C11.7)

R.T.: 6.233 min
Delta R.T.: -0.004 min
Response: 4918214
Conc: 36.40 ug/ml



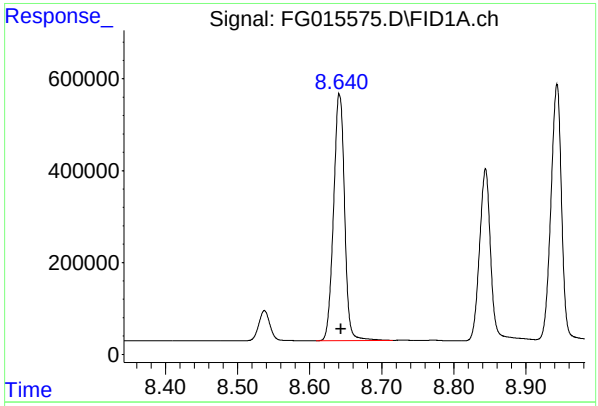
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.335 min
Delta R.T.: -0.003 min
Response: 4763248
Conc: 35.71 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 6984344
Conc: 57.18 ug/ml



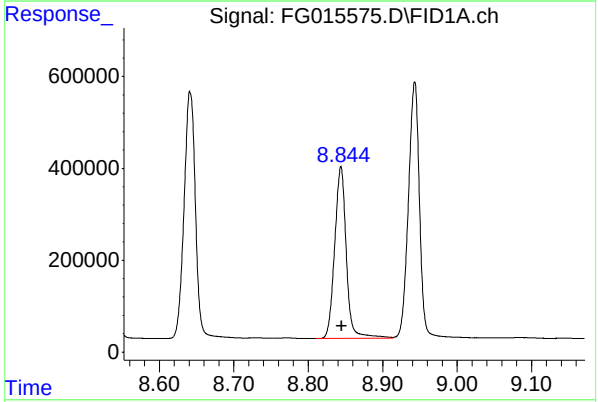
#5 Acenaphthylene (C15.06)

R.T.: 8.641 min
Delta R.T.: -0.002 min
Response: 5691270
Conc: 40.18 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BSD

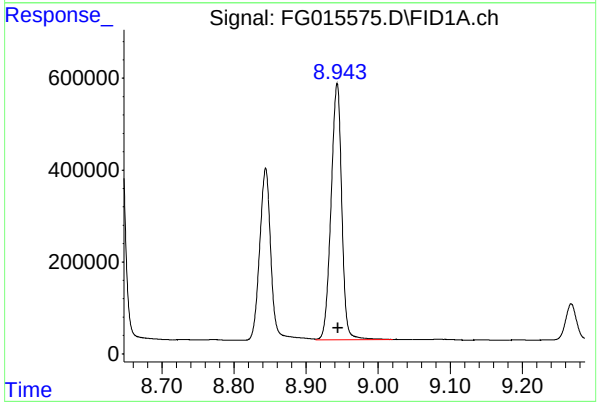
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



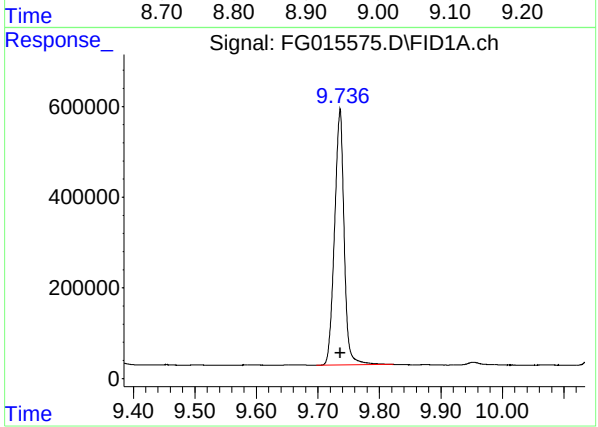
#6 2-Flurobiphenyl (SURR)

R.T.: 8.844 min
Delta R.T.: -0.001 min
Response: 4054890
Conc: 49.06 ug/ml



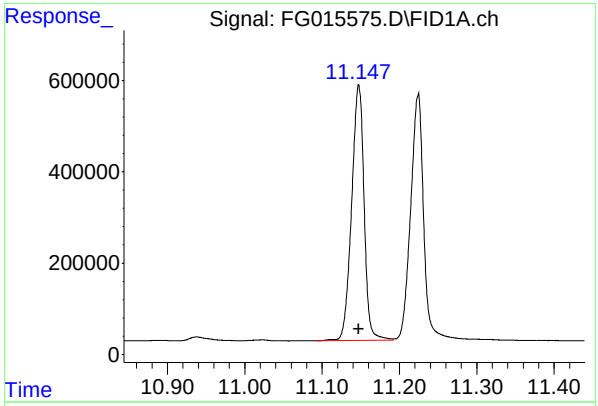
#7 Acenaphthene (C15.5)

R.T.: 8.943 min
Delta R.T.: -0.001 min
Response: 5759916
Conc: 42.22 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 6103368
Conc: 43.72 ug/ml



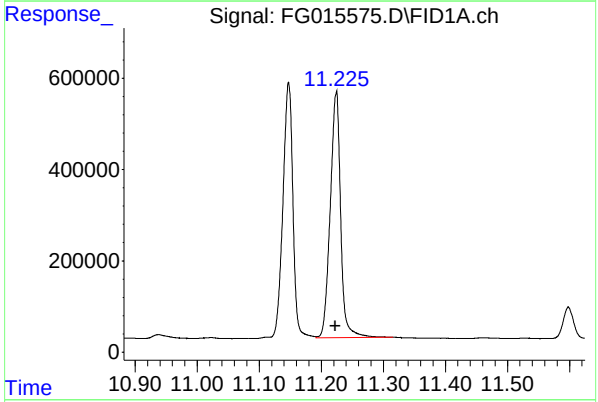
#9 Phenanthrene (C19.36)

R.T.: 11.147 min
Delta R.T.: 0.000 mi
Response: 6278124
Conc: 44.56 ug/m

Instrument :
FID_G
ClientSampleId :
PB167362BSD

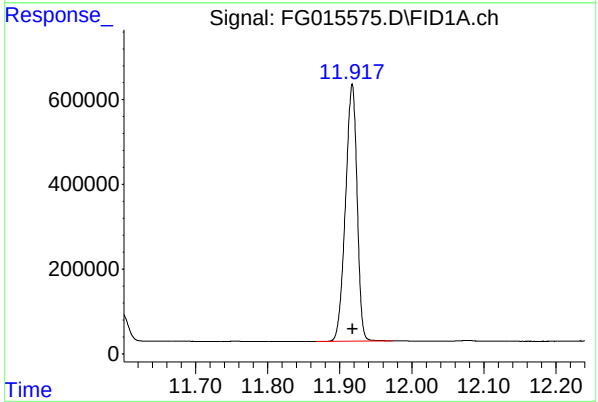
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



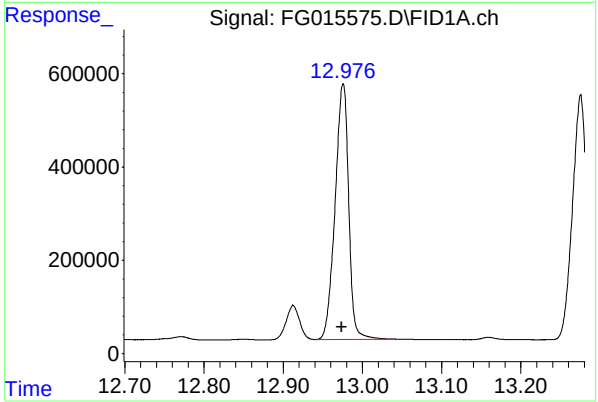
#10 Anthracene (C19.43)

R.T.: 11.224 min
Delta R.T.: 0.001 min
Response: 6290971
Conc: 45.97 ug/ml



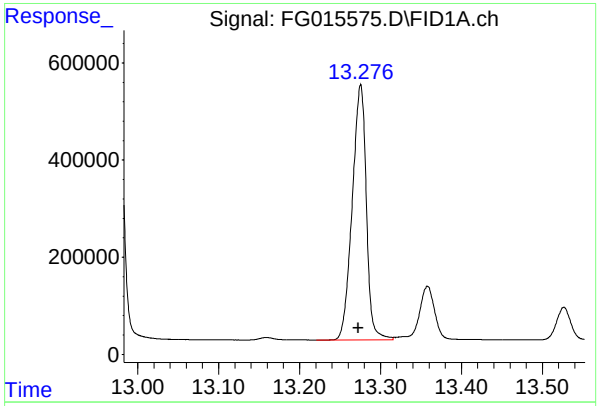
#11 ortho-Terphenyl (SURR)

R.T.: 11.917 min
Delta R.T.: 0.000 min
Response: 6803874
Conc: 46.66 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.976 min
Delta R.T.: 0.002 min
Response: 6528436
Conc: 45.78 ug/ml m



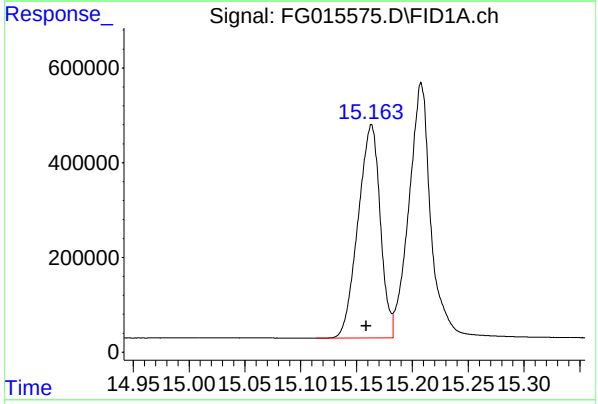
#13 Pyrene (C20.8)

R.T.: 13.275 min
Delta R.T.: 0.003 min
Response: 6367918
Conc: 45.38 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BSD

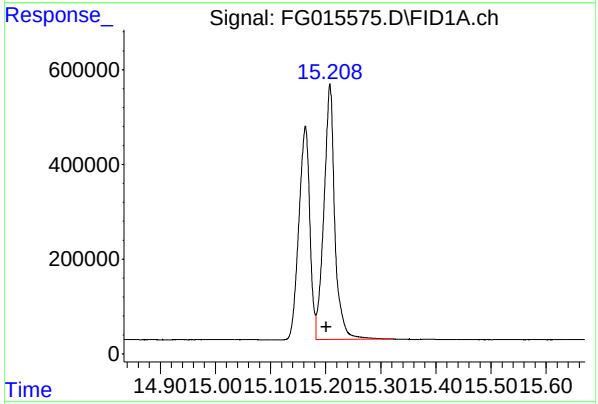
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



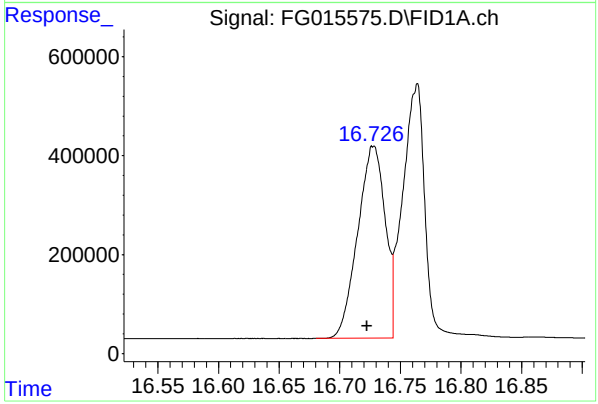
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.163 min
Delta R.T.: 0.004 min
Response: 6213561
Conc: 45.81 ug/ml



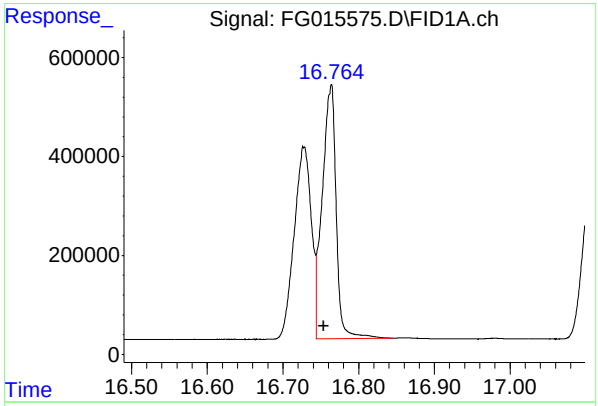
#15 Chrysene (C27.41)

R.T.: 15.208 min
Delta R.T.: 0.007 min
Response: 7425796
Conc: 53.04 ug/ml



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

R.T.: 16.728 min
Delta R.T.: 0.005 min
Response: 6098053
Conc: 46.15 ug/ml



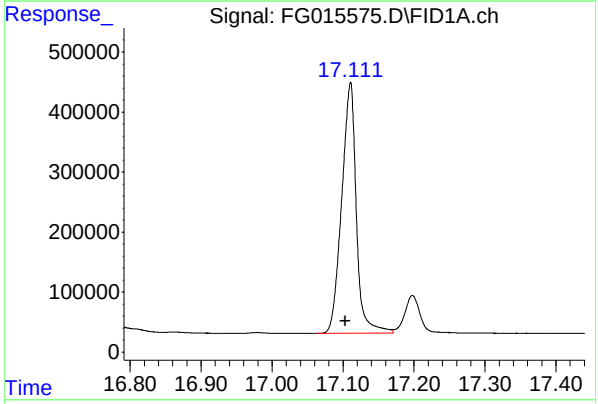
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.763 min
Delta R.T.: 0.009 min
Response: 6581468
Conc: 48.20 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167362BSD

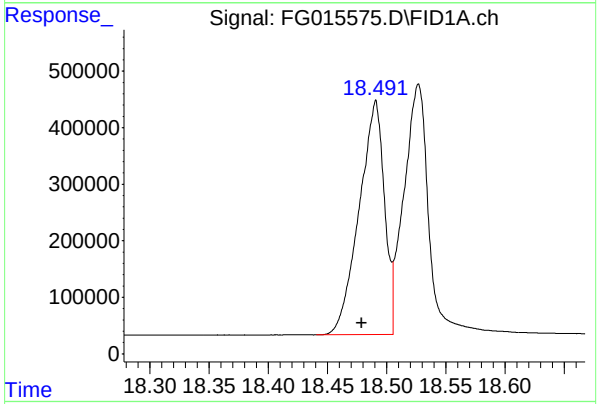
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



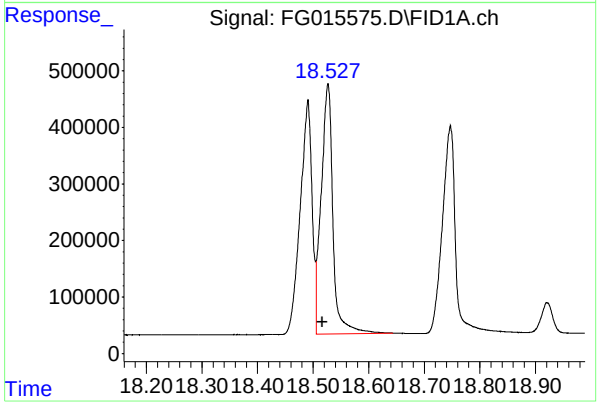
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.110 min
Delta R.T.: 0.007 min
Response: 5978965
Conc: 47.68 ug/ml



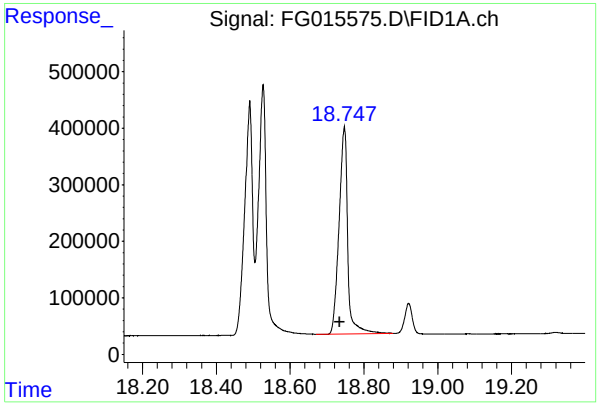
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.490 min
Delta R.T.: 0.011 min
Response: 6131360
Conc: 55.11 ug/ml



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

R.T.: 18.526 min
Delta R.T.: 0.010 min
Response: 6510873
Conc: 50.60 ug/ml



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

R.T.: 18.747 min
Delta R.T.: 0.012 mi
Response: 5969039
Conc: 49.95 ug/m

Instrument :
FID_G
ClientSampleId :
PB167362BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Instrument :
FID_G
ClientSampleId :
PB167362BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03282
Data File : FG015575.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 17:28
Sample : PB167362BSD
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	4.554	4.535	4.615	VV	417641	4111903	55.37%	3.280%
2	6.233	6.202	6.329	BB	489429	4918214	66.23%	3.923%
3	7.335	7.297	7.429	BB	451799	4763248	64.14%	3.799%
4	7.966	7.935	8.069	PB	682265	6984344	94.06%	5.571%
5	8.641	8.609	8.715	BB	533655	5691270	76.64%	4.539%
6	8.844	8.810	8.914	BV	374852	4054890	54.61%	3.234%
7	8.943	8.914	9.020	VB	555658	5759916	77.57%	4.594%
8	9.736	9.697	9.822	BB	558509	6103368	82.19%	4.868%
9	11.147	11.092	11.192	BV	561573	6278124	84.54%	5.007%
10	11.224	11.192	11.315	VB	536230	6290971	84.72%	5.018%
11	11.917	11.867	11.974	BB	607718	6803874	91.62%	5.427%
12	12.975	12.930	13.059	BB	545221	6341355	85.40%	5.058%
13	13.275	13.220	13.315	BV	526570	6367918	85.75%	5.079%
14	15.163	15.114	15.183	BV	452738	6213561	83.68%	4.956%
15	15.208	15.183	15.322	VB	538873	7425796	100.00%	5.923%
16	16.728	16.680	16.744	BV	388464	6098053	82.12%	4.864%
17	16.763	16.744	16.845	VB	502134	6581468	88.63%	5.249%
18	17.110	17.062	17.170	BV	418547	5978965	80.52%	4.769%
19	18.490	18.440	18.505	BV	413478	6131360	82.57%	4.890%
20	18.526	18.505	18.644	VB	444208	6510873	87.68%	5.193%
21	18.747	18.670	18.879	BB	367699	5969039	80.38%	4.761%

Sum of corrected areas: 125378512

Aromatic EPH 031725.M Sat Mar 29 03:56:27 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BSD		SDG No.:	Q1664	
Lab Sample ID:	PB167362BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 17:28	PB167362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.02		1	0.14	1.00	mg/kg	FF015745.D
Aliphatic C12-C16	Aliphatic C12-C16	4.35		1	0.11	0.67	mg/kg	FF015745.D
Aliphatic C16-C21	Aliphatic C16-C21	7.93		1	0.13	1.00	mg/kg	FF015745.D
Aliphatic C21-C28	Aliphatic C21-C28	10.9		1	0.53	1.33	mg/kg	FF015745.D
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1	1.18	2.00	mg/kg	FF015745.D
Aromatic C10-C12	Aromatic C10-C12	4.49		1	0.12	0.67	mg/kg	FG015575.D
Aromatic C12-C16	Aromatic C12-C16	7.88		1	0.23	1.00	mg/kg	FG015575.D
Aromatic C16-C21	Aromatic C16-C21	15.0		1	0.40	1.67	mg/kg	FG015575.D
Aromatic C21-C36	Aromatic C21-C36	26.1		1	1.19	2.66	mg/kg	FG015575.D
Total AliphaticEPH	Total AliphaticEPH	45.7			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	53.5			1.94	6.00	mg/kg	
Total EPH	Total EPH	99.2			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

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BSD		SDG No.:	Q1664	
Lab Sample ID:	PB167362BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015745.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.02		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.35		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.93		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.9		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167362BSD	Acq On:	28 Mar 2025 17:28
Client Sample ID:	PB167362BSD	Operator:	YP\AJ
Data file:	FF015745.D	Misc:	
Instrument:	FID_F	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	9678256	75.337	300	ug/ml
Aliphatic C12-C16	6.834	10.268	8594881	65.304	200	ug/ml
Aliphatic C16-C21	10.269	13.634	16106390	118.977	300	ug/ml
Aliphatic C21-C28	13.635	17.200	21589497	163.213	400	ug/ml
Aliphatic C28-C40	17.201	22.202	28418419	262.776	600	ug/ml
Aliphatic EPH	3.211	22.202	84387443	685.606		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.372	13.372	4827939	42.54		ug/ml
Aliphatic C9-C28	3.211	17.200	55969024	422.831	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015745.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 17:28
Operator : YP\AJ
Sample : PB167362BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167362BSD

Integration File: autoint1.e
Quant Time: Mar 29 01:02:16 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...	13.372	4827939	42.540 ug/ml
Spiked Amount	50.000		Recovery =	85.08%
	Target Compounds			
1) T	n-Nonane (C9)	3.315	2736445	21.604 ug/ml
2) T	n-Decane (C10)	4.569	3203039	24.943 ug/ml
4) T	n-Dodecane (C12)	6.734	3738772	28.689 ug/ml
6) T	n-Tetradecane (C14)	8.562	4012999	30.987 ug/ml
7) T	n-Hexadecane (C16)	10.169	4581882	34.264 ug/ml
8) T	n-Octadecane (C18)	11.613	5012435	36.400 ug/ml
10) T	n-Eicosane (C20)	12.924	5616014	41.670 ug/ml
11) T	n-Heneicosane (C21)	13.537	5477941	40.988 ug/ml
13) T	n-Docosane (C22)	14.124	5486045	40.996 ug/ml
14) T	n-Tetracosane (C24)	15.228	5477169	40.913 ug/ml
15) T	n-Hexacosane (C26)	16.250	5370391	41.062 ug/ml
16) T	n-Octacosane (C28)	17.200	5255892	40.234 ug/ml
17) T	n-Tricontane (C30)	18.088	5244015	38.887 ug/ml
18) T	n-Dotriacontane (C32)	18.922	5111412	39.197 ug/ml
19) T	n-Tetratriacontane (C34)	19.706	4942899	42.344 ug/ml
20) T	n-Hexatriacontane (C36)	20.446	4667638	47.020 ug/ml
21) T	n-Octatriacontane (C38)	21.183	4421558	50.606 ug/ml
22) T	n-Tetracontane (C40)	22.099	4030897	50.226 ug/ml

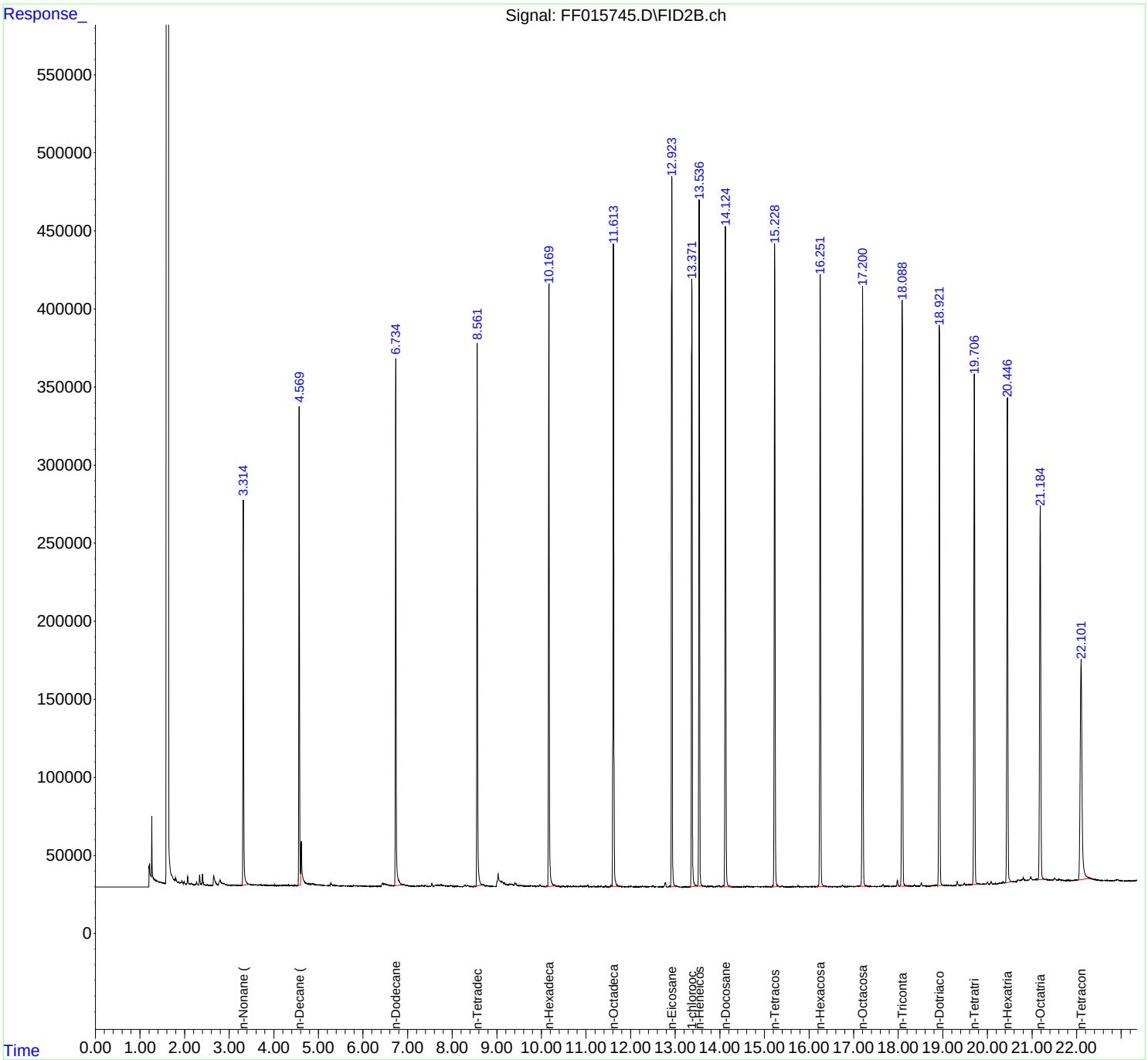
(f)=RT Delta > 1/2 Window (m)=manual int.

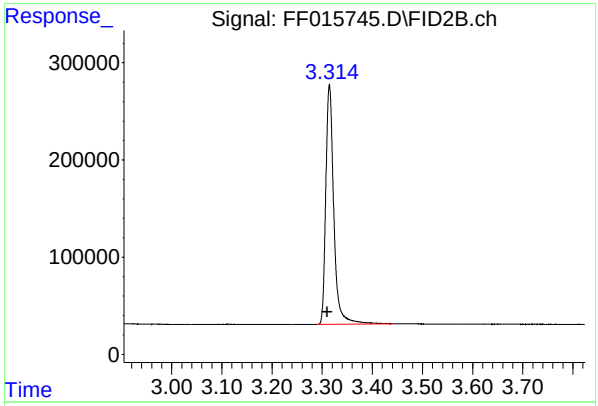
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015745.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 17:28
Operator : YP\AJ
Sample : PB167362BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167362BSD

Integration File: autoint1.e
Quant Time: Mar 29 01:02:16 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

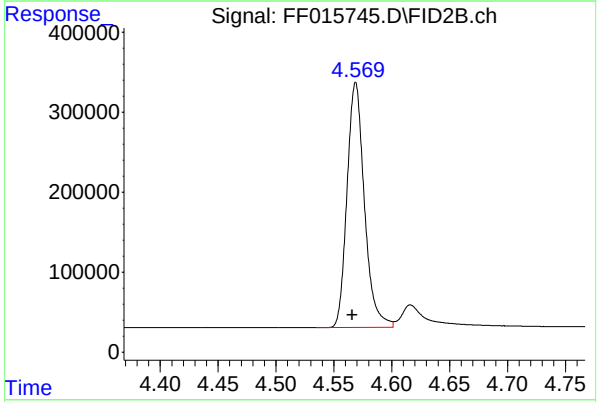




#1 n-Nonane (C9)

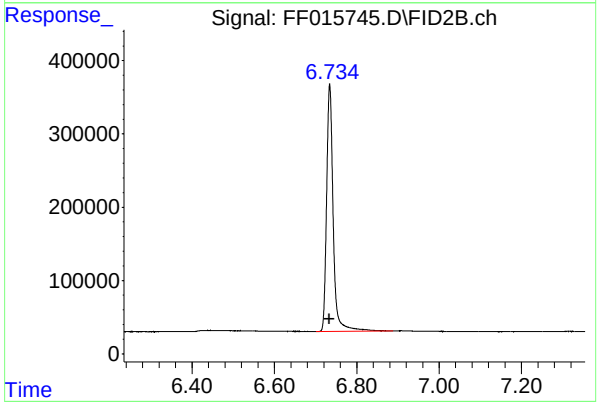
R.T.: 3.315 min
Delta R.T.: 0.005 min
Response: 2736445
Conc: 21.60 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BSD



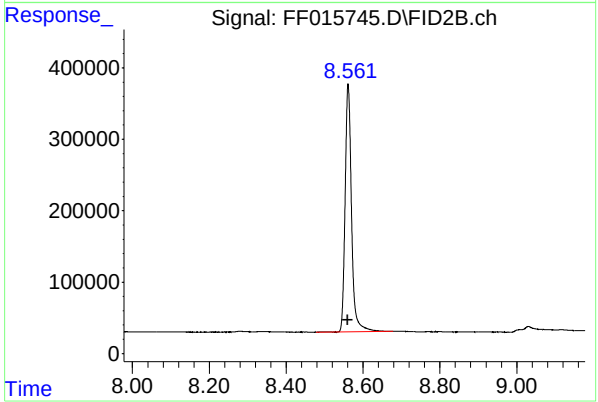
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: 0.003 min
Response: 3203039
Conc: 24.94 ug/ml



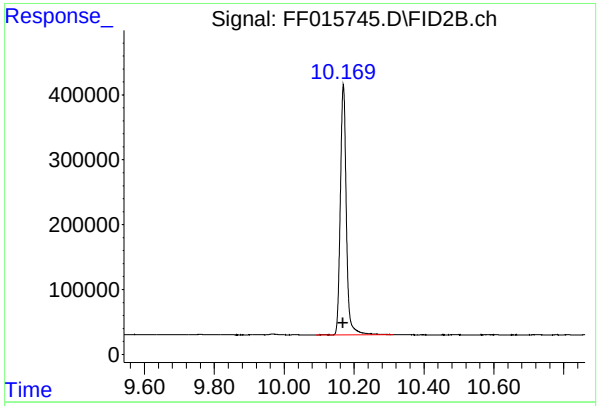
#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.002 min
Response: 3738772
Conc: 28.69 ug/ml



#6 n-Tetradecane (C14)

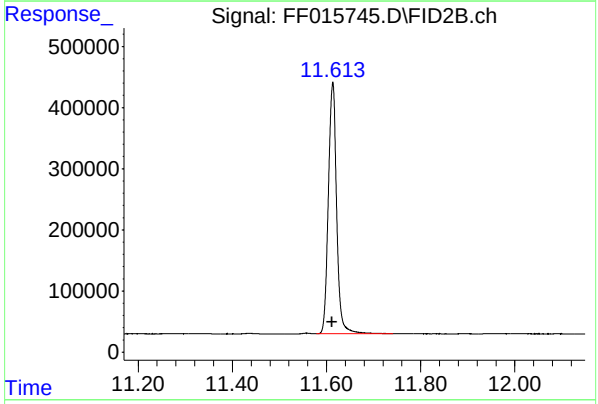
R.T.: 8.562 min
Delta R.T.: 0.001 min
Response: 4012999
Conc: 30.99 ug/ml



#7 n-Hexadecane (C16)

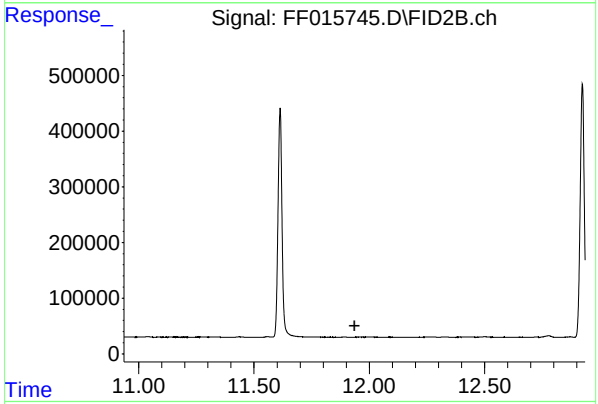
R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 4581882
Conc: 34.26 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BSD



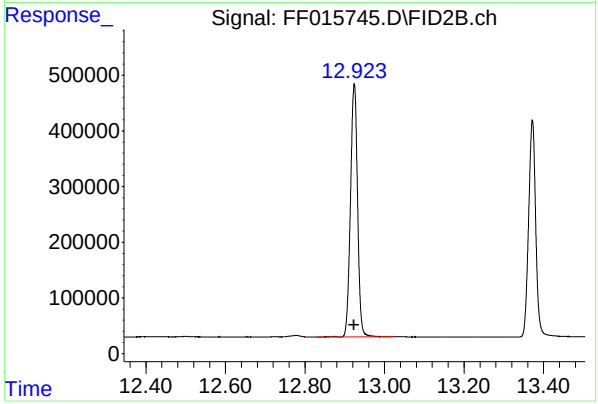
#8 n-Octadecane (C18)

R.T.: 11.613 min
Delta R.T.: 0.001 min
Response: 5012435
Conc: 36.40 ug/ml



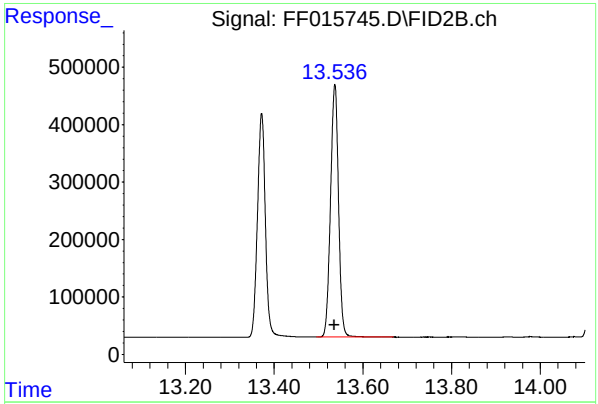
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

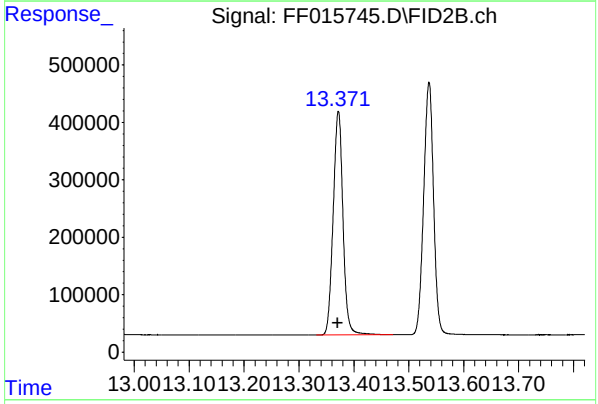
R.T.: 12.924 min
Delta R.T.: 0.000 min
Response: 5616014
Conc: 41.67 ug/ml



#11 n-Heneicosane (C21)

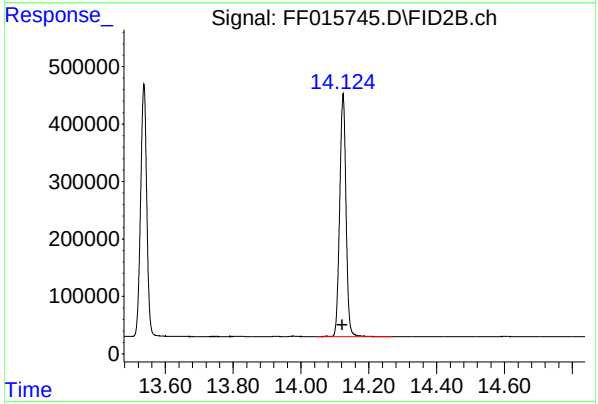
R.T.: 13.537 min
Delta R.T.: 0.000 min
Response: 5477941
Conc: 40.99 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BSD



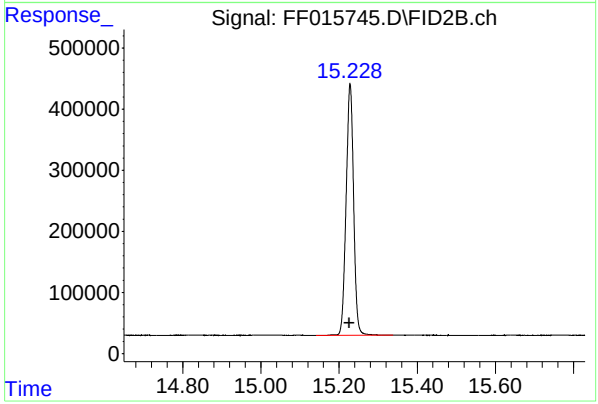
#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: 0.000 min
Response: 4827939
Conc: 42.54 ug/ml



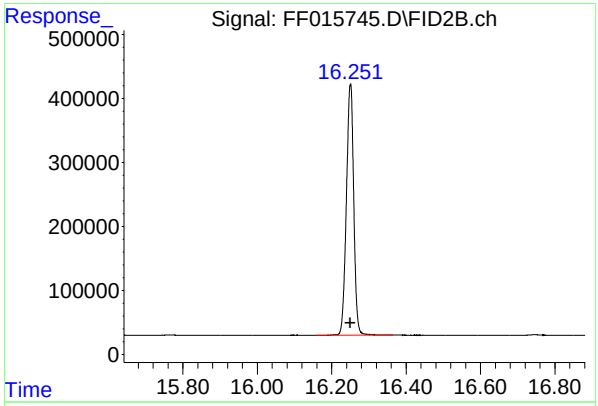
#13 n-Docosane (C22)

R.T.: 14.124 min
Delta R.T.: 0.001 min
Response: 5486045
Conc: 41.00 ug/ml



#14 n-Tetracosane (C24)

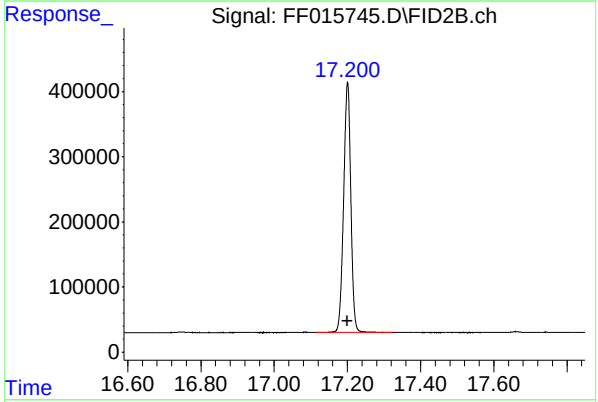
R.T.: 15.228 min
Delta R.T.: 0.001 min
Response: 5477169
Conc: 40.91 ug/ml



#15 n-Hexacosane (C26)

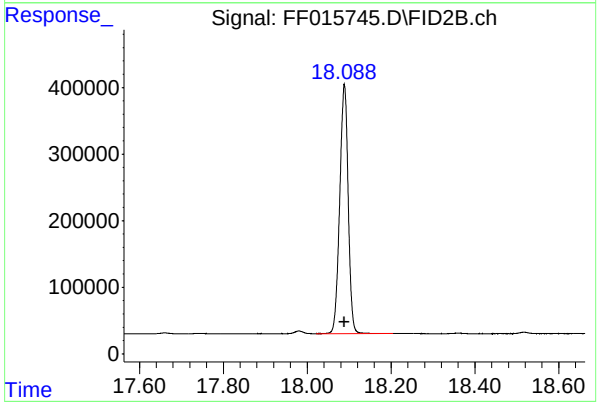
R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 5370391
Conc: 41.06 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BSD



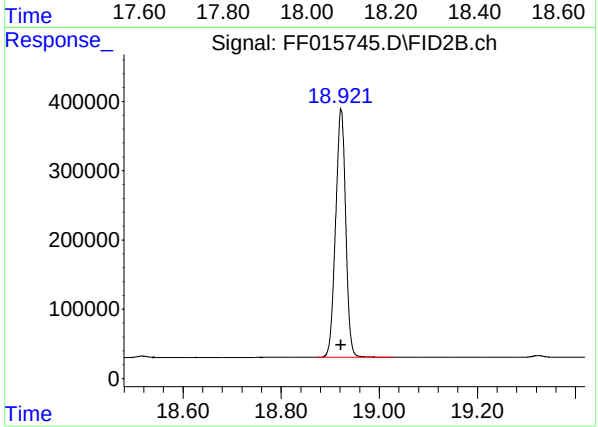
#16 n-Octacosane (C28)

R.T.: 17.200 min
Delta R.T.: 0.000 min
Response: 5255892
Conc: 40.23 ug/ml



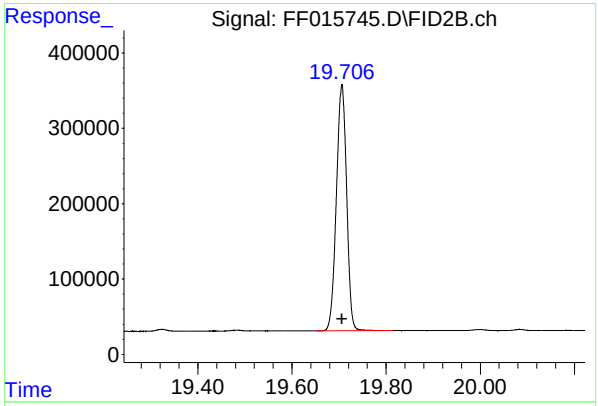
#17 n-Tricontane (C30)

R.T.: 18.088 min
Delta R.T.: 0.000 min
Response: 5244015
Conc: 38.89 ug/ml



#18 n-Dotriacontane (C32)

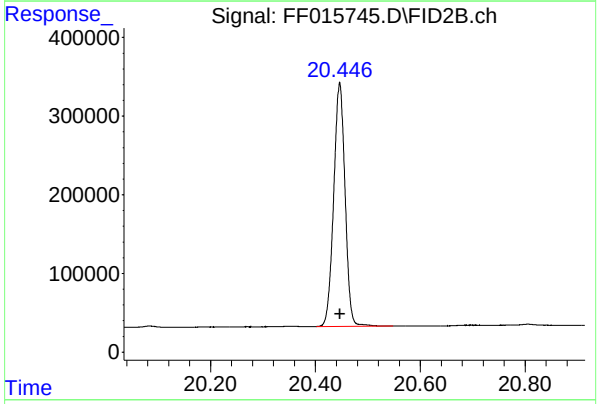
R.T.: 18.922 min
Delta R.T.: 0.000 min
Response: 5111412
Conc: 39.20 ug/ml



#19 n-Tetratriacontane (C34)

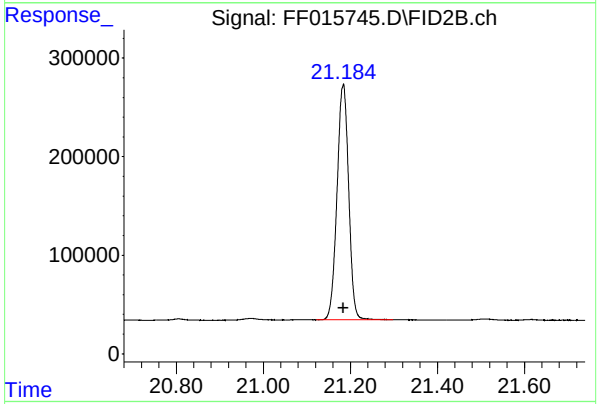
R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 4942899
Conc: 42.34 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167362BSD



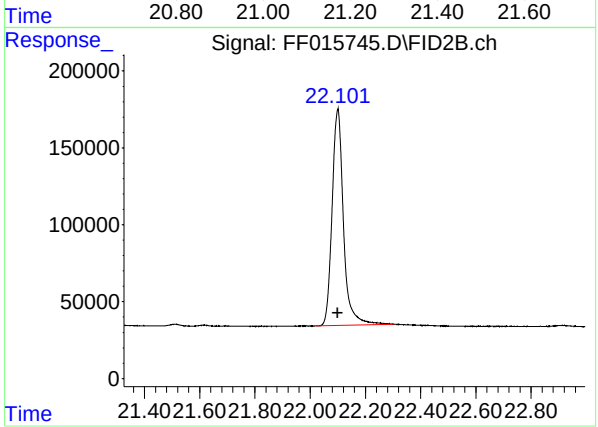
#20 n-Hexatriacontane (C36)

R.T.: 20.446 min
Delta R.T.: -0.001 min
Response: 4667638
Conc: 47.02 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.183 min
Delta R.T.: 0.000 min
Response: 4421558
Conc: 50.61 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 4030897
Conc: 50.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015745.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 17:28
Sample : PB167362BSD
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	3.315	3.288	3.441	BB	245843	2736445	48.73%	3.067%
2	4.569	4.535	4.601	BV	305311	3203039	57.03%	3.590%
3	6.734	6.701	6.888	BB	336392	3738772	66.57%	4.191%
4	8.562	8.478	8.678	BB	346167	4012999	71.46%	4.498%
5	10.169	10.091	10.311	BB	384216	4581882	81.59%	5.136%
6	11.613	11.578	11.741	BB	413900	5012435	89.25%	5.618%
7	12.924	12.828	13.021	BB	457883	5616014	100.00%	6.295%
8	13.372	13.331	13.471	BB	390330	4827939	85.97%	5.412%
9	13.537	13.495	13.668	BB	444721	5477941	97.54%	6.140%
10	14.124	14.045	14.271	BB	422764	5486045	97.69%	6.149%
11	15.228	15.141	15.338	BB	413342	5477169	97.53%	6.139%
12	16.250	16.158	16.365	BB	397108	5370391	95.63%	6.020%
13	17.200	17.115	17.325	BB	387284	5255892	93.59%	5.891%
14	18.088	18.021	18.205	BB	374895	5244015	93.38%	5.878%
15	18.922	18.871	19.028	BB	358994	5111412	91.01%	5.729%
16	19.706	19.651	19.815	BB	324603	4942899	88.01%	5.540%
17	20.446	20.401	20.548	BB	307762	4667638	83.11%	5.232%
18	21.183	21.121	21.298	BB	239904	4421558	78.73%	4.956%
19	22.099	22.021	22.300	BBA	140091	4030897	71.78%	4.518%
			Sum of corrected areas:			89215380		

Aliphatic EPH 031725.M Sat Mar 29 01:55:33 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
FG015578.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.87		0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.41		0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	16.7		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.8		1.29	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.7		40 - 140	83%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	30.7		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.5		40 - 140	51%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-02	Acq On:	28 Mar 2025 18:56
Client Sample ID:	P001-BBDGA-001-01MS	Operator:	YP\AJ
Data file:	FG015578.D	Misc:	
Instrument:	FID_G	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	7153205	53.384	200	ug/ml
Aromatic C12-C16	6.330	9.039	14017316	102.203	300	ug/ml
Aromatic C16-C21	9.040	13.371	32077089	230.091	500	ug/ml
Aromatic C21-C36	13.372	18.837	46351603	356.02	800	ug/ml
Aromatic EPH	4.449	18.837	99599213	741.698		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	5098046	41.73		ug/ml
2-Flurobiphenyl (SURR)	8.842	8.842	2538118	30.71		ug/ml
ortho-Terphenyl (SURR)	11.915	11.915	3718156	25.5		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015578.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:56
Operator : YP\AJ
Sample : Q1664-02
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS

Integration File: autoint1.e
Quant Time: Mar 29 03:14:07 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...	7.964	5098046	41.734 ug/ml
	Spiked Amount 50.000		Recovery =	83.47%
6)	S 2-Flurobiphenyl (SURR)	8.842	2538118	30.707 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	61.41%
11)	S ortho-Terphenyl (SURR)	11.915	3718156	25.497 ug/ml
	Spiked Amount 50.000		Recovery =	50.99%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.554	2432106	18.302 ug/ml
2)	T Naphthalene (C11.7)	6.233	3238838	23.973 ug/ml
3)	T 2-Methylnaphthalene (...	7.334	3218426	24.127 ug/ml
5)	T Acenaphthylene (C15.06)	8.640	4182662	29.532 ug/ml
7)	T Acenaphthene (C15.5)	8.940	4065463	29.798 ug/ml
8)	T Flouorene (C16.55)	9.734	4784759	34.274 ug/ml
9)	T Phenanthrene (C19.36)	11.146	5062139	35.932 ug/ml
10)	T Anthracene (C19.43)	11.221	4985548	36.433 ug/ml
12)	T Fluoranthene (C21.85)	12.974	5182788	36.344 ug/ml
13)	T Pyrene (C20.8)	13.273	5050900	35.997 ug/ml
14)	T Benzo[a]anthracene (C...	15.161	4904074	36.157 ug/ml
15)	T Chrysene (C27.41)	15.205	5841536	41.728 ug/ml
16)	T benzo[b]fluoranthene ...	16.726	4896791	37.058 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.759	5346373	39.157 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.107	4727173	37.696 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.487	4958865	44.570 ug/ml
20)	T Dibenz[a,h]anthracene...	18.522	5513940	42.850 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.742	4931477	41.270 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

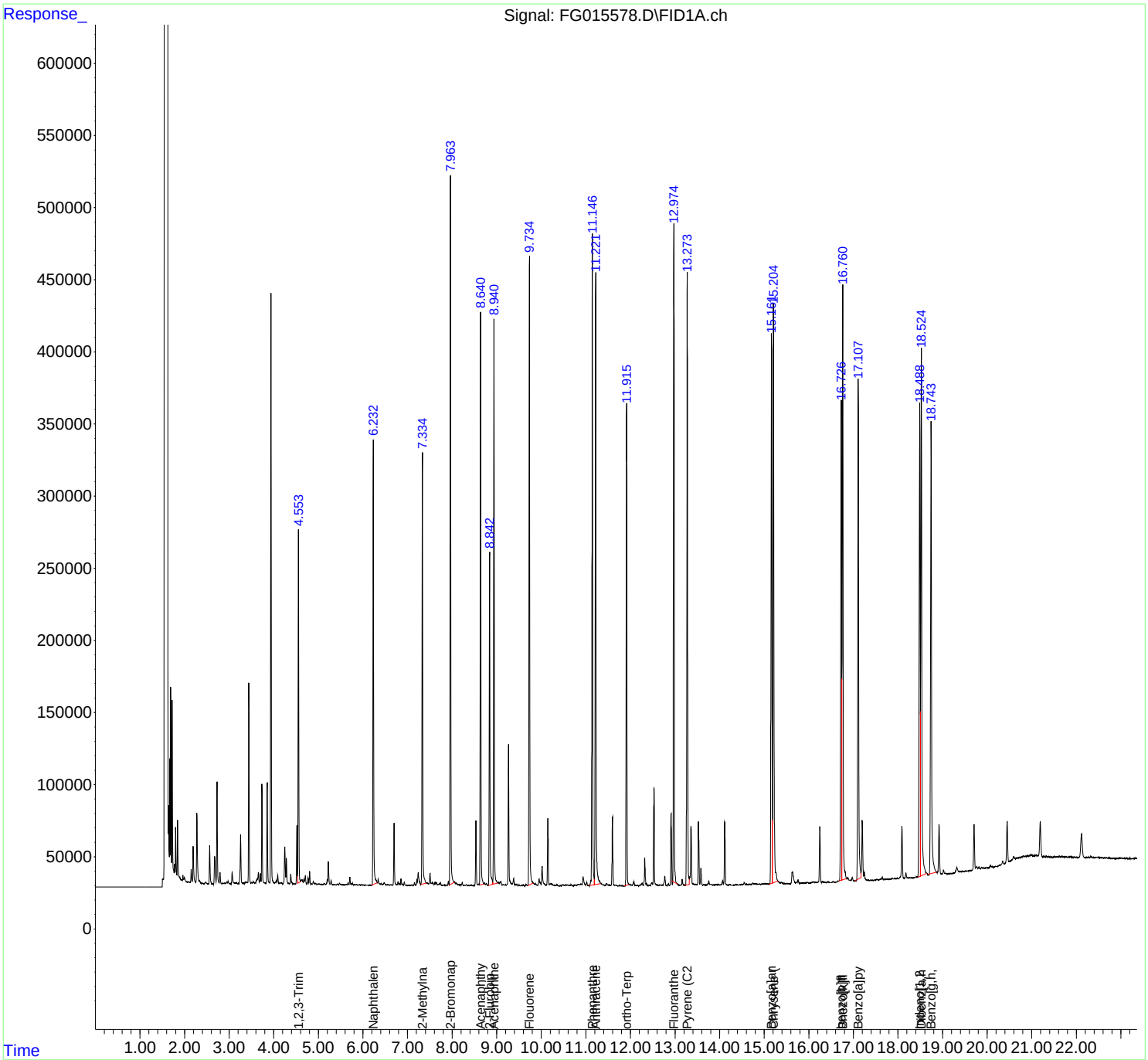
Quantitation Report (QT Reviewed)

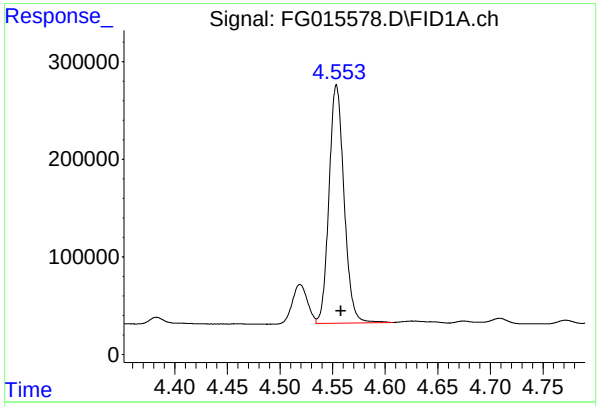
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015578.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:56
Operator : YP\AJ
Sample : Q1664-02
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS

Integration File: autoint1.e
Quant Time: Mar 29 03:14:07 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

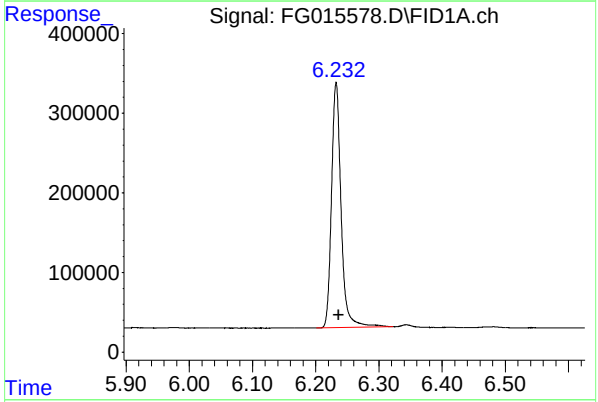




#1 1,2,3-Trimethylbenzene (C10.1)

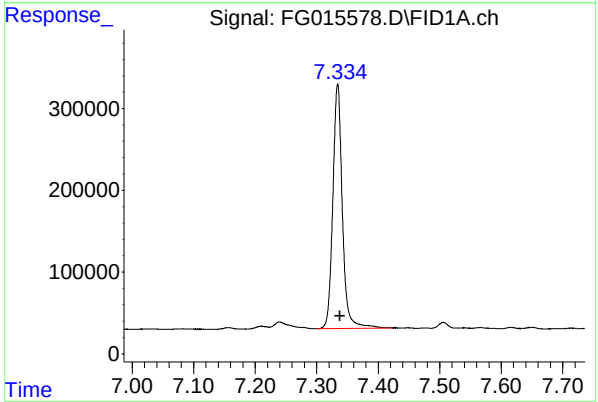
R.T.: 4.554 min
Delta R.T.: -0.004 mi
Response: 2432106
Conc: 18.30 ug/m

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



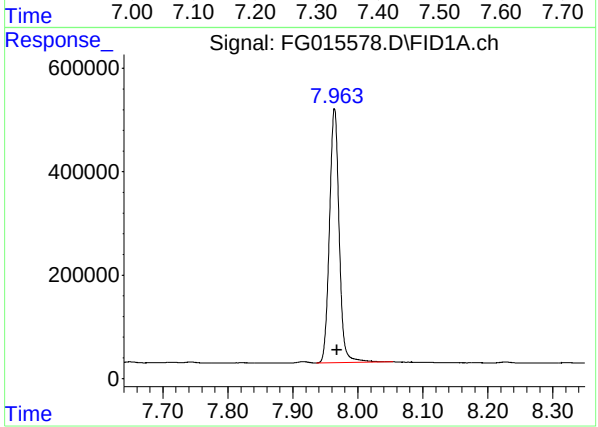
#2 Naphthalene (C11.7)

R.T.: 6.233 min
Delta R.T.: -0.004 min
Response: 3238838
Conc: 23.97 ug/ml



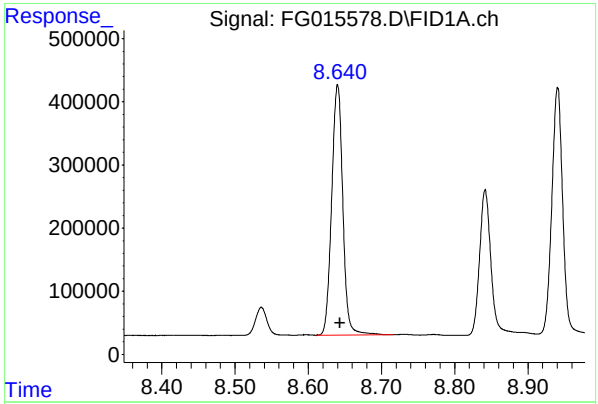
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.334 min
Delta R.T.: -0.004 min
Response: 3218426
Conc: 24.13 ug/ml



#4 2-Bromonaphthalene (SURR)

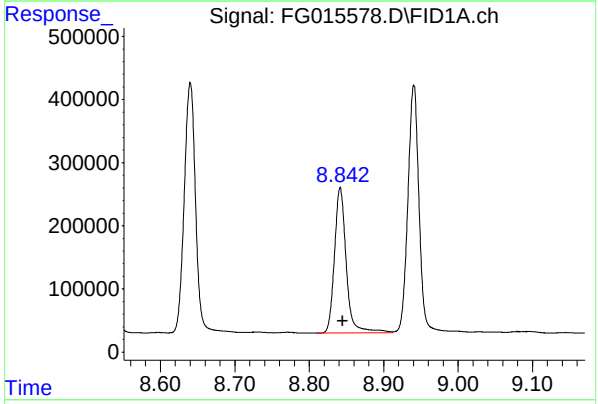
R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 5098046
Conc: 41.73 ug/ml



#5 Acenaphthylene (C15.06)

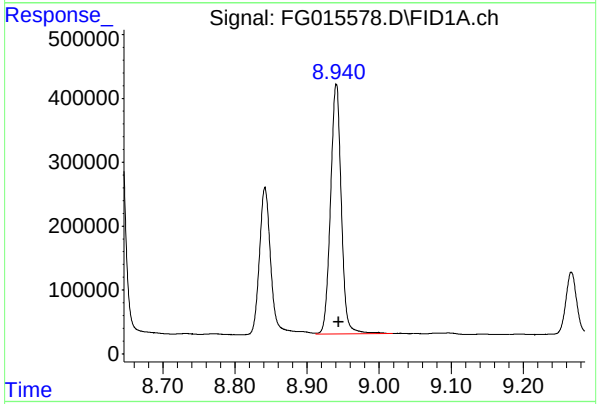
R.T.: 8.640 min
Delta R.T.: -0.004 min
Response: 4182662
Conc: 29.53 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



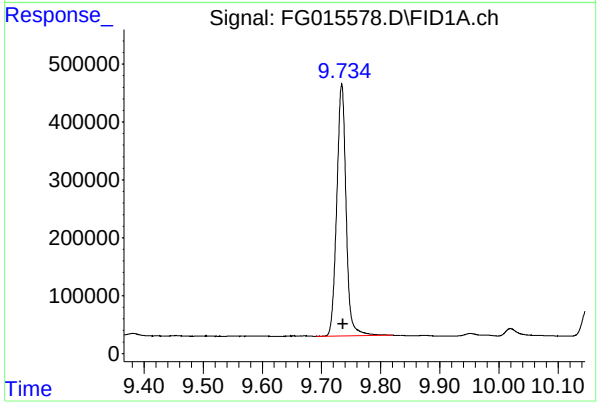
#6 2-Flurobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 2538118
Conc: 30.71 ug/ml



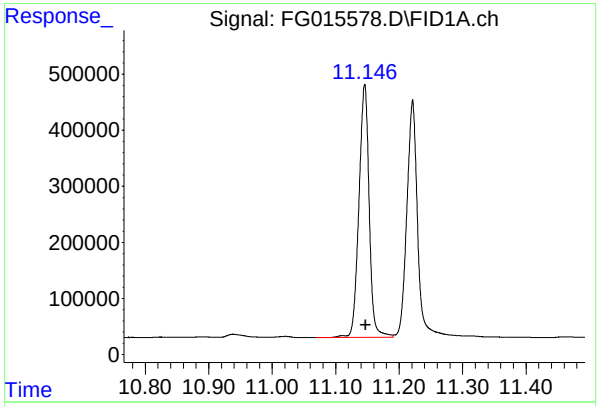
#7 Acenaphthene (C15.5)

R.T.: 8.940 min
Delta R.T.: -0.004 min
Response: 4065463
Conc: 29.80 ug/ml



#8 Flouorene (C16.55)

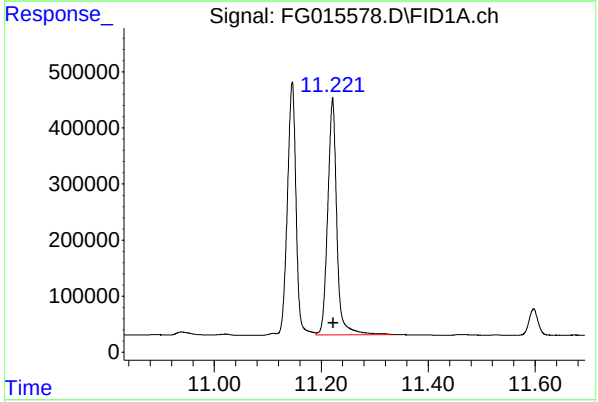
R.T.: 9.734 min
Delta R.T.: -0.002 min
Response: 4784759
Conc: 34.27 ug/ml



#9 Phenanthrene (C19.36)

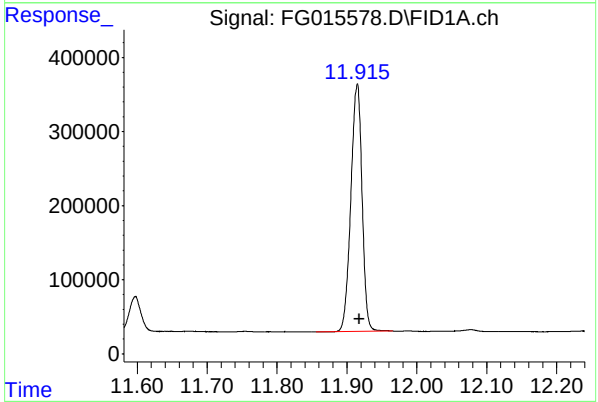
R.T.: 11.146 min
Delta R.T.: -0.002 min
Response: 5062139
Conc: 35.93 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



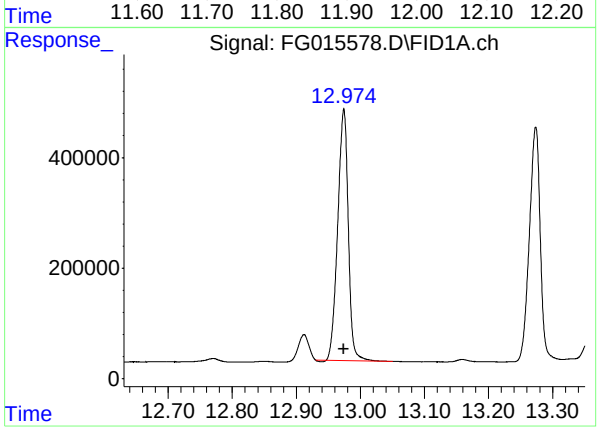
#10 Anthracene (C19.43)

R.T.: 11.221 min
Delta R.T.: -0.002 min
Response: 4985548
Conc: 36.43 ug/ml



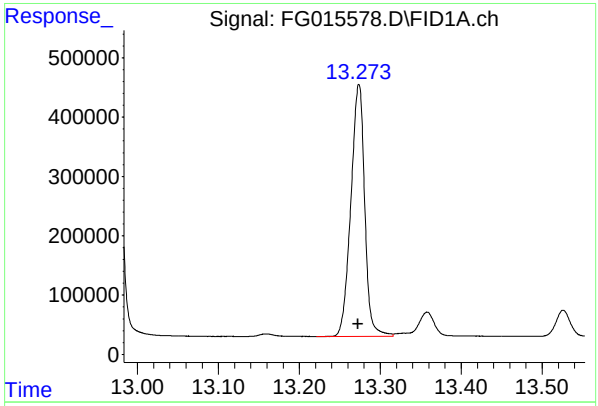
#11 ortho-Terphenyl (SURR)

R.T.: 11.915 min
Delta R.T.: -0.003 min
Response: 3718156
Conc: 25.50 ug/ml



#12 Fluoranthene (C21.85)

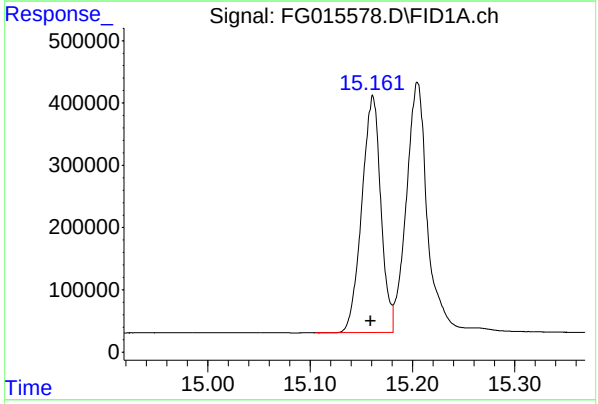
R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 5182788
Conc: 36.34 ug/ml



#13 Pyrene (C20.8)

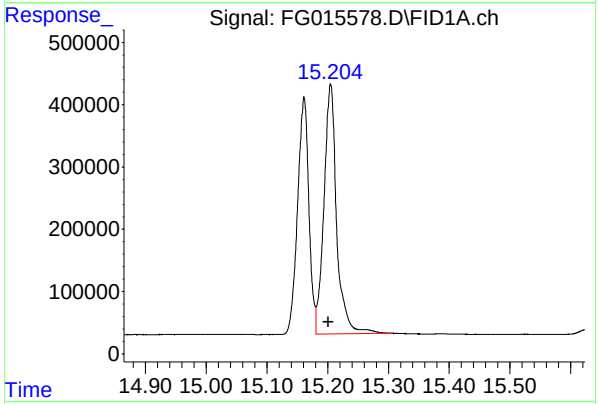
R.T.: 13.273 min
Delta R.T.: 0.000 min
Response: 5050900
Conc: 36.00 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



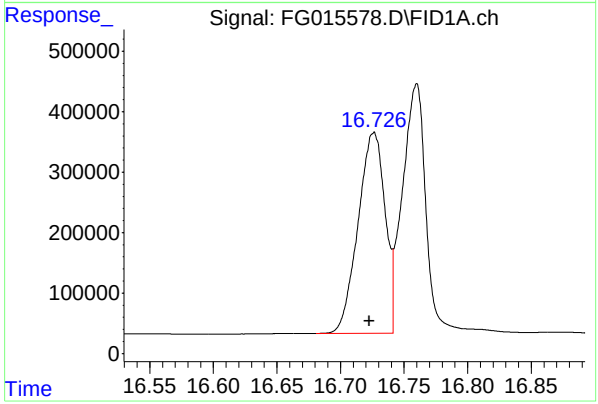
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.161 min
Delta R.T.: 0.002 min
Response: 4904074
Conc: 36.16 ug/ml



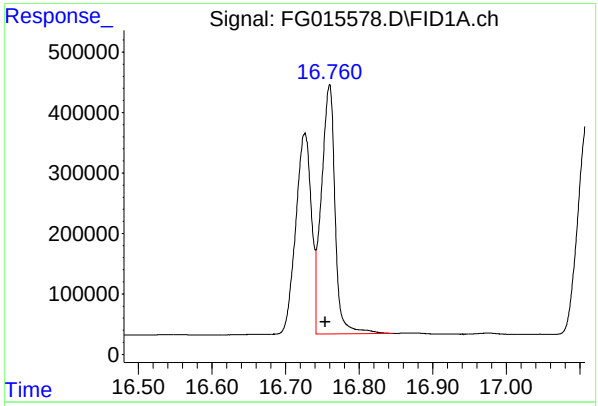
#15 Chrysene (C27.41)

R.T.: 15.205 min
Delta R.T.: 0.004 min
Response: 5841536
Conc: 41.73 ug/ml



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

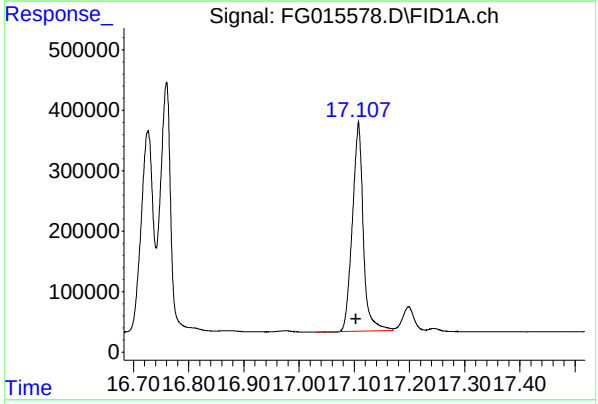
R.T.: 16.726 min
Delta R.T.: 0.004 min
Response: 4896791
Conc: 37.06 ug/ml



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

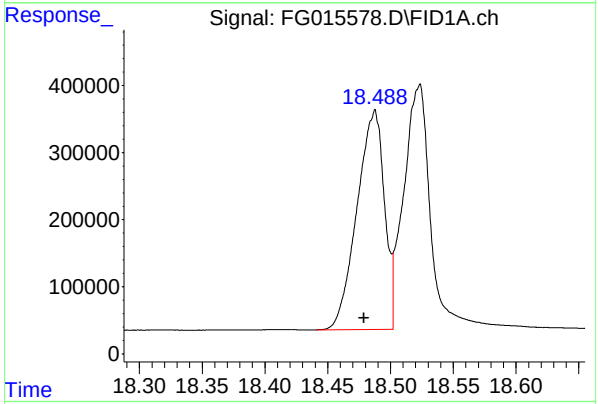
R.T.: 16.759 min
Delta R.T.: 0.005 min
Response: 5346373
Conc: 39.16 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



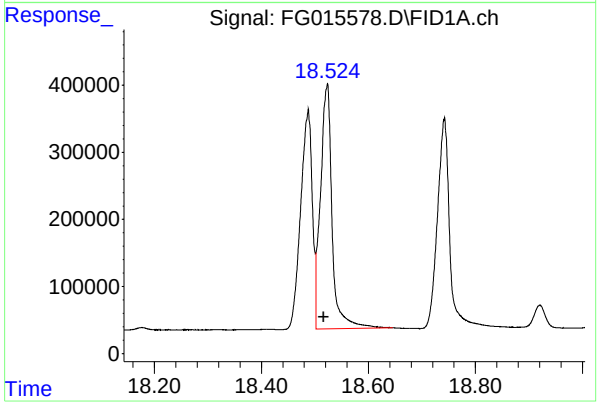
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.107 min
Delta R.T.: 0.004 min
Response: 4727173
Conc: 37.70 ug/ml



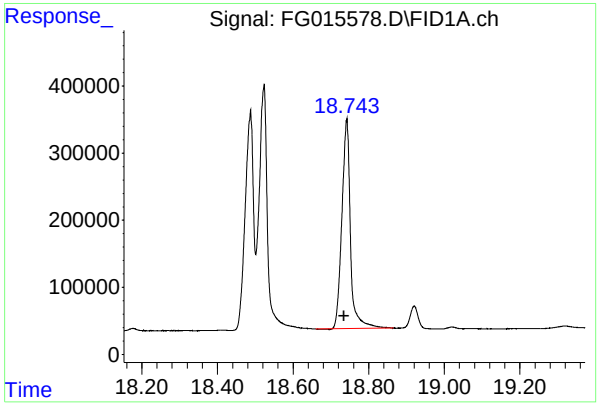
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.487 min
Delta R.T.: 0.008 min
Response: 4958865
Conc: 44.57 ug/ml



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

R.T.: 18.522 min
Delta R.T.: 0.005 min
Response: 5513940
Conc: 42.85 ug/ml



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

R.T.: 18.742 min
Delta R.T.: 0.007 mi
Response: 4931477
Conc: 41.27 ug/m

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015578.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 18:56
Sample : Q1664-02
Misc :
ALS Vial : 76 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	4.383	4.363	4.438	PV	6927	77380	1.33%	0.069%
2	4.446	4.438	4.452	VV	203	1658	0.03%	0.001%
3	4.462	4.452	4.488	VV	354	3355	0.06%	0.003%
4	4.519	4.488	4.535	PV	40807	416245	7.18%	0.372%
5	4.554	4.535	4.607	VV	245677	2488183	42.92%	2.227%
6	4.627	4.607	4.660	VV	3314	80729	1.39%	0.072%
7	4.675	4.660	4.692	VV	3377	46824	0.81%	0.042%
8	4.709	4.692	4.735	VV	6161	78194	1.35%	0.070%
9	4.745	4.735	4.754	VV	664	6866	0.12%	0.006%
10	4.772	4.754	4.787	VV	4373	48025	0.83%	0.043%
11	4.805	4.787	4.864	VV	9133	102820	1.77%	0.092%
12	4.887	4.864	4.916	VV	2273	33926	0.59%	0.030%
13	4.932	4.916	4.966	VV	1089	18252	0.31%	0.016%
14	4.982	4.966	4.999	VV	368	5387	0.09%	0.005%
15	5.014	4.999	5.050	VV	734	9937	0.17%	0.009%
16	5.071	5.050	5.085	VV	213	2759	0.05%	0.002%
17	5.106	5.085	5.119	VV	273	3652	0.06%	0.003%
18	5.138	5.119	5.163	VV	962	14205	0.25%	0.013%
19	5.201	5.163	5.207	VV	3353	36162	0.62%	0.032%
20	5.225	5.207	5.261	VV	16102	201480	3.48%	0.180%
21	5.287	5.261	5.327	VV	3083	38009	0.66%	0.034%
22	5.342	5.327	5.382	VV	435	6542	0.11%	0.006%
23	5.401	5.395	5.417	VV	189	1371	0.02%	0.001%
24	5.433	5.417	5.454	VV	745	8395	0.14%	0.008%
25	5.476	5.454	5.514	VV	1038	17293	0.30%	0.015%
26	5.526	5.514	5.545	VV	237	3258	0.06%	0.003%
27	5.550	5.545	5.601	VV	162	2923	0.05%	0.003%
28	5.626	5.601	5.647	VV	533	6336	0.11%	0.006%
29	5.665	5.647	5.687	VV	1497	17794	0.31%	0.016%
30	5.708	5.687	5.729	VV	5683	62675	1.08%	0.056%
31	5.742	5.729	5.756	VV	883	11894	0.21%	0.011%
32	5.768	5.756	5.792	VV	1385	15574	0.27%	0.014%
33	5.811	5.792	5.824	VV	422	6081	0.10%	0.005%
34	5.837	5.824	5.852	VV	517	7130	0.12%	0.006%
35	5.858	5.852	5.890	VV	524	5696	0.10%	0.005%
36	5.915	5.890	5.947	PV	514	8497	0.15%	0.008%

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37	5.976	5.947	6.009	VV	736	8731	0.15%	0.008%
38	6.042	6.009	6.067	VV	282	4396	0.08%	0.004%
39	6.139	6.124	6.144	VV	206	1166	0.02%	0.001%
40	6.156	6.144	6.169	VV	207	2199	0.04%	0.002%
41	6.187	6.169	6.204	VV	291	3869	0.07%	0.003%
42	6.233	6.204	6.326	VV	308458	3316375	57.20%	2.968%
43	6.344	6.326	6.395	VV	4292	80226	1.38%	0.072%
44	6.412	6.395	6.444	VV	1086	24479	0.42%	0.022%
45	6.482	6.444	6.521	VV	1737	45065	0.78%	0.040%
46	6.539	6.521	6.584	VV	510	15688	0.27%	0.014%
47	6.591	6.584	6.607	VV	417	4683	0.08%	0.004%
48	6.629	6.607	6.672	VV	421	11869	0.20%	0.011%
49	6.700	6.672	6.755	VV	43164	468428	8.08%	0.419%
50	6.787	6.755	6.808	VV	2559	39319	0.68%	0.035%
51	6.823	6.808	6.837	VV	1780	20263	0.35%	0.018%
52	6.855	6.837	6.876	VV	4767	53111	0.92%	0.048%
53	6.888	6.876	6.908	VV	1248	13962	0.24%	0.012%
54	6.929	6.908	6.950	VV	2659	28876	0.50%	0.026%
55	6.958	6.950	6.981	VV	388	4529	0.08%	0.004%
56	6.988	6.981	6.997	VV	175	1258	0.02%	0.001%
57	7.033	6.997	7.059	VV	409	7763	0.13%	0.007%
58	7.084	7.059	7.128	VV	618	10943	0.19%	0.010%
59	7.157	7.128	7.186	PV	2155	25910	0.45%	0.023%
60	7.211	7.186	7.223	VV	3754	50586	0.87%	0.045%
61	7.240	7.223	7.300	VV	8983	183102	3.16%	0.164%
62	7.334	7.300	7.439	VV	299896	3326688	57.38%	2.977%
63	7.449	7.439	7.464	VV	1850	24287	0.42%	0.022%
64	7.476	7.464	7.486	VV	1680	19238	0.33%	0.017%
65	7.506	7.486	7.526	VV	8523	104503	1.80%	0.094%
66	7.540	7.526	7.552	VV	1856	24591	0.42%	0.022%
67	7.566	7.552	7.599	VV	2248	41808	0.72%	0.037%
68	7.616	7.599	7.630	VV	2442	29703	0.51%	0.027%
69	7.649	7.630	7.671	VV	2403	36654	0.63%	0.033%
70	7.686	7.671	7.697	VV	918	11840	0.20%	0.011%
71	7.714	7.697	7.729	VV	1620	21831	0.38%	0.020%
72	7.743	7.729	7.771	VV	2179	26225	0.45%	0.023%
73	7.822	7.771	7.844	VV	662	14683	0.25%	0.013%
74	7.863	7.844	7.884	VV	437	7158	0.12%	0.006%
75	7.889	7.884	7.895	VV	307	1745	0.03%	0.002%
76	7.916	7.895	7.936	VV	2954	33430	0.58%	0.030%
77	7.964	7.936	8.042	VV	492599	5182039	89.38%	4.637%
78	8.050	8.042	8.099	VV	2779	68602	1.18%	0.061%
79	8.109	8.099	8.136	VV	1484	25135	0.43%	0.022%
80	8.140	8.136	8.167	VV	828	12547	0.22%	0.011%
81	8.181	8.167	8.204	VV	1037	15006	0.26%	0.013%
82	8.227	8.204	8.254	VV	2310	29450	0.51%	0.026%
83	8.264	8.254	8.274	VV	378	3801	0.07%	0.003%
84	8.283	8.274	8.302	VV	382	4578	0.08%	0.004%
85	8.321	8.302	8.351	VV	747	12415	0.21%	0.011%
86	8.355	8.351	8.361	VV	282	1224	0.02%	0.001%
87	8.365	8.361	8.381	VV	235	1956	0.03%	0.002%
88	8.436	8.381	8.466	VV	516	12680	0.22%	0.011%
89	8.485	8.466	8.496	VV	270	3358	0.06%	0.003%

90	8.536	8.496	8.584	VV	44970	500088	8.63%	0.448%
91	8.597	8.584	8.611	VV	1195	15213	0.26%	0.014%
92	8.640	8.611	8.716	VV	396576	4240941	73.15%	3.795%
93	8.732	8.716	8.752	VV	1981	31438	0.54%	0.028%
94	8.771	8.752	8.809	VV	1750	28126	0.49%	0.025%
95	8.842	8.809	8.912	VV	231048	2577644	44.46%	2.307%
96	8.941	8.912	9.019	VV	393300	4164490	71.83%	3.727%
97	9.029	9.019	9.044	VV	2380	31824	0.55%	0.028%
98	9.050	9.044	9.064	VV	1974	21878	0.38%	0.020%
99	9.096	9.064	9.126	VV	2954	73644	1.27%	0.066%
100	9.144	9.126	9.170	VV	1232	20381	0.35%	0.018%
101	9.194	9.170	9.217	VV	1097	19565	0.34%	0.018%
102	9.267	9.217	9.315	VV	97869	1085559	18.72%	0.971%
103	9.320	9.315	9.337	VV	1980	22180	0.38%	0.020%
104	9.382	9.337	9.416	VV	5146	107244	1.85%	0.096%
105	9.422	9.416	9.437	VV	875	9189	0.16%	0.008%
106	9.454	9.437	9.483	VV	1325	18947	0.33%	0.017%
107	9.505	9.483	9.537	VV	769	12079	0.21%	0.011%
108	9.554	9.537	9.571	VV	356	5465	0.09%	0.005%
109	9.587	9.571	9.631	VV	689	13190	0.23%	0.012%
110	9.652	9.631	9.660	VV	839	8822	0.15%	0.008%
111	9.672	9.660	9.690	VV	845	10531	0.18%	0.009%
112	9.734	9.690	9.857	VV	435231	4897373	84.47%	4.383%
113	9.874	9.857	9.916	VV	1752	34673	0.60%	0.031%
114	9.952	9.916	9.972	VV	4984	79568	1.37%	0.071%
115	9.980	9.972	9.998	VV	2295	26127	0.45%	0.023%
116	10.020	9.998	10.122	VV	13650	248083	4.28%	0.222%
117	10.149	10.122	10.182	VV	46826	540475	9.32%	0.484%
118	10.218	10.182	10.286	VV	1658	67600	1.17%	0.060%
119	10.300	10.286	10.311	VV	640	7898	0.14%	0.007%
120	10.321	10.311	10.336	VV	622	7087	0.12%	0.006%
121	10.350	10.336	10.378	VV	934	12849	0.22%	0.011%
122	10.397	10.378	10.412	VV	233	3722	0.06%	0.003%
123	10.430	10.412	10.446	VV	535	6983	0.12%	0.006%
124	10.491	10.446	10.514	VV	875	26326	0.45%	0.024%
125	10.519	10.514	10.524	VV	576	3261	0.06%	0.003%
126	10.526	10.524	10.534	VV	573	3073	0.05%	0.003%
127	10.546	10.534	10.562	VV	1039	12755	0.22%	0.011%
128	10.580	10.562	10.602	VV	910	16308	0.28%	0.015%
129	10.618	10.602	10.624	VV	725	8088	0.14%	0.007%
130	10.633	10.624	10.650	VV	786	9236	0.16%	0.008%
131	10.668	10.650	10.692	VV	1075	15539	0.27%	0.014%
132	10.703	10.692	10.724	VV	403	5384	0.09%	0.005%
133	10.754	10.724	10.767	VV	874	14704	0.25%	0.013%
134	10.778	10.767	10.801	VV	821	13304	0.23%	0.012%
135	10.824	10.801	10.836	VV	1299	20198	0.35%	0.018%
136	10.839	10.836	10.864	VV	1279	18412	0.32%	0.016%
137	10.891	10.864	10.915	VV	1730	38700	0.67%	0.035%
138	10.938	10.915	10.996	VV	6502	138811	2.39%	0.124%
139	11.021	10.996	11.046	VV	2569	43135	0.74%	0.039%
140	11.051	11.046	11.069	VV	449	5543	0.10%	0.005%
141	11.111	11.069	11.117	VV	4053	45105	0.78%	0.040%

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142	11.146	11.117	11.191	VV	452142	5073664	87.51%	4.540%
143	11.221	11.191	11.338	VV	422250	5109033	88.12%	4.572%
144	11.347	11.338	11.437	VV	1924	62638	1.08%	0.056%
145	11.461	11.437	11.504	VV	1937	47458	0.82%	0.042%
146	11.526	11.504	11.552	VV	1079	22106	0.38%	0.020%
147	11.597	11.552	11.634	VV	47808	573413	9.89%	0.513%
148	11.646	11.634	11.658	VV	809	11063	0.19%	0.010%
149	11.674	11.658	11.702	VV	891	17308	0.30%	0.015%
150	11.705	11.702	11.732	VV	382	4732	0.08%	0.004%
151	11.754	11.732	11.774	VV	846	10999	0.19%	0.010%
152	11.789	11.781	11.805	VV	341	4007	0.07%	0.004%
153	11.811	11.805	11.858	VV	334	5658	0.10%	0.005%
154	11.915	11.858	11.972	PV	332431	3767311	64.98%	3.371%
155	11.987	11.972	12.008	VV	1313	22675	0.39%	0.020%
156	12.077	12.008	12.124	VV	3021	79759	1.38%	0.071%
157	12.139	12.124	12.176	VV	551	12032	0.21%	0.011%
158	12.203	12.176	12.211	VV	461	7394	0.13%	0.007%
159	12.259	12.211	12.292	VV	1977	54171	0.93%	0.048%
160	12.321	12.292	12.349	VV	19721	251094	4.33%	0.225%
161	12.361	12.349	12.390	VV	1793	26002	0.45%	0.023%
162	12.409	12.390	12.415	VV	691	7888	0.14%	0.007%
163	12.421	12.415	12.448	VV	574	8944	0.15%	0.008%
164	12.473	12.448	12.499	VV	2033	41945	0.72%	0.038%
165	12.528	12.499	12.609	VV	67731	840416	14.50%	0.752%
166	12.615	12.609	12.626	VV	618	5263	0.09%	0.005%
167	12.643	12.626	12.662	VV	605	11030	0.19%	0.010%
168	12.688	12.662	12.719	VV	797	21202	0.37%	0.019%
169	12.770	12.719	12.815	VV	6516	113921	1.96%	0.102%
170	12.850	12.815	12.878	VV	1543	23386	0.40%	0.021%
171	12.912	12.878	12.940	VV	49832	603921	10.42%	0.540%
172	12.974	12.940	13.096	VV	458221	5363111	92.50%	4.799%
173	13.114	13.096	13.135	VV	590	10570	0.18%	0.009%
174	13.159	13.135	13.220	VV	4638	77010	1.33%	0.069%
175	13.274	13.220	13.316	VV	425932	5082903	87.67%	4.549%
176	13.358	13.316	13.479	VV	41369	671379	11.58%	0.601%
177	13.484	13.479	13.494	VV	687	5193	0.09%	0.005%
178	13.526	13.494	13.556	VV	44317	553525	9.55%	0.495%
179	13.580	13.556	13.625	VV	12239	168104	2.90%	0.150%
180	13.644	13.625	13.686	VV	693	17070	0.29%	0.015%
181	13.757	13.686	13.781	VV	3053	58947	1.02%	0.053%
182	13.799	13.781	13.803	VV	919	11122	0.19%	0.010%
183	13.807	13.803	13.841	VV	856	14107	0.24%	0.013%
184	13.865	13.841	13.890	VV	514	10350	0.18%	0.009%
185	13.905	13.890	13.921	VV	518	7798	0.13%	0.007%
186	13.934	13.921	13.951	VV	630	9201	0.16%	0.008%
187	13.986	13.951	14.006	VV	681	16880	0.29%	0.015%
188	14.027	14.006	14.032	VV	533	5682	0.10%	0.005%
189	14.066	14.032	14.086	VV	3276	50861	0.88%	0.046%
190	14.114	14.086	14.187	VV	44215	559732	9.65%	0.501%
191	14.195	14.187	14.197	VV	234	1208	0.02%	0.001%
192	14.232	14.197	14.264	VV	647	14273	0.25%	0.013%
193	14.270	14.264	14.289	VV	130	1029	0.02%	0.001%
194	14.316	14.289	14.321	PV	144	1682	0.03%	0.002%

195	14.359	14.321	14.396	VV	463	13090	0.23%	0.012%
196	14.407	14.396	14.432	VV	252	3644	0.06%	0.003%
197	14.454	14.432	14.466	VV	380	5294	0.09%	0.005%
198	14.477	14.466	14.496	VV	371	5119	0.09%	0.005%
199	14.514	14.496	14.522	VV	473	6085	0.10%	0.005%
200	14.552	14.522	14.577	VV	1863	32959	0.57%	0.029%
201	14.582	14.577	14.639	VV	533	14483	0.25%	0.013%
202	14.644	14.639	14.657	VV	434	4096	0.07%	0.004%
203	14.681	14.657	14.704	VV	641	13323	0.23%	0.012%
204	14.714	14.704	14.720	VV	364	2912	0.05%	0.003%
205	14.742	14.720	14.771	VV	1326	24448	0.42%	0.022%
206	14.782	14.771	14.797	VV	704	9006	0.16%	0.008%
207	14.818	14.797	14.823	VV	614	8535	0.15%	0.008%
208	14.826	14.823	14.839	VV	613	4781	0.08%	0.004%
209	14.842	14.839	14.855	VV	386	3247	0.06%	0.003%
210	14.860	14.855	14.869	VV	378	2367	0.04%	0.002%
211	14.883	14.869	14.889	VV	369	3496	0.06%	0.003%
212	14.891	14.889	14.908	VV	336	2798	0.05%	0.003%
213	14.934	14.908	14.954	VV	418	8031	0.14%	0.007%
214	14.997	14.954	15.012	VV	633	16145	0.28%	0.014%
215	15.028	15.012	15.044	VV	578	8035	0.14%	0.007%
216	15.060	15.044	15.087	VV	395	6610	0.11%	0.006%
217	15.097	15.087	15.109	VV	223	2309	0.04%	0.002%
218	15.161	15.122	15.181	VV	381309	4922682	84.91%	4.405%
219	15.205	15.181	15.254	VV	401901	5797804	100.00%	5.188%
220	15.262	15.254	15.371	VV	8185	204460	3.53%	0.183%
221	15.387	15.371	15.438	VV	1205	29056	0.50%	0.026%
222	15.442	15.438	15.452	VV	369	2364	0.04%	0.002%
223	15.459	15.452	15.492	VV	282	4989	0.09%	0.004%
224	15.526	15.492	15.551	VV	312	6493	0.11%	0.006%
225	15.629	15.551	15.715	PV	8175	243071	4.19%	0.218%
226	15.758	15.715	15.786	VV	2824	56650	0.98%	0.051%
227	15.802	15.786	15.845	VV	457	11240	0.19%	0.010%
228	15.877	15.845	15.919	VV	401	14140	0.24%	0.013%
229	15.970	15.919	16.018	VV	711	25081	0.43%	0.022%
230	16.096	16.018	16.137	VV	1032	38067	0.66%	0.034%
231	16.140	16.137	16.146	VV	596	2258	0.04%	0.002%
232	16.161	16.146	16.186	VV	553	10414	0.18%	0.009%
233	16.206	16.186	16.217	VV	822	11524	0.20%	0.010%
234	16.246	16.217	16.282	VV	38541	520891	8.98%	0.466%
235	16.307	16.282	16.347	VV	881	22159	0.38%	0.020%
236	16.366	16.347	16.389	VV	420	7076	0.12%	0.006%
237	16.434	16.389	16.489	VV	788	18153	0.31%	0.016%
238	16.551	16.507	16.591	VV	561	13653	0.24%	0.012%
239	16.726	16.604	16.741	PV	332397	4962290	85.59%	4.441%
240	16.759	16.741	16.849	VV	412401	5463512	94.23%	4.889%
241	16.869	16.849	16.914	VV	2727	78149	1.35%	0.070%
242	16.919	16.914	16.941	VV	967	14199	0.24%	0.013%
243	16.975	16.941	17.012	VV	2495	57000	0.98%	0.051%
244	17.046	17.012	17.064	VV	611	14169	0.24%	0.013%
245	17.107	17.064	17.170	VV	347610	4842671	83.53%	4.334%
246	17.198	17.170	17.229	VV	41857	649670	11.21%	0.581%

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247	17.244	17.229	17.321	VV	6083	112133	1.93%	0.100%
248	17.331	17.321	17.351	VV	405	5520	0.10%	0.005%
249	17.386	17.351	17.414	VV	365	8846	0.15%	0.008%
250	17.431	17.414	17.448	PV	260	2568	0.04%	0.002%
251	17.530	17.448	17.571	VV	661	16004	0.28%	0.014%
252	17.647	17.571	17.699	VV	1753	47134	0.81%	0.042%
253	17.734	17.699	17.769	VV	474	11765	0.20%	0.011%
254	17.783	17.769	17.806	VV	325	4547	0.08%	0.004%
255	17.864	17.806	17.895	VV	395	14240	0.25%	0.013%
256	17.912	17.895	17.929	VV	352	5957	0.10%	0.005%
257	17.977	17.929	18.003	VV	625	16287	0.28%	0.015%
258	18.088	18.003	18.124	VV	36318	529383	9.13%	0.474%
259	18.177	18.124	18.217	VV	3876	63045	1.09%	0.056%
260	18.225	18.217	18.249	VV	344	5448	0.09%	0.005%
261	18.263	18.249	18.286	VV	345	5644	0.10%	0.005%
262	18.315	18.286	18.344	VV	313	6405	0.11%	0.006%
263	18.374	18.344	18.384	PV	157	2409	0.04%	0.002%
264	18.411	18.384	18.436	VV	694	10465	0.18%	0.009%
265	18.487	18.436	18.502	VV	328704	4971137	85.74%	4.449%
266	18.522	18.502	18.697	VV	361881	5651562	97.48%	5.058%
267	18.742	18.697	18.873	VV	314341	5109642	88.13%	4.573%
268	18.920	18.873	18.991	VV	34860	539675	9.31%	0.483%

Sum of corrected areas: 111744927

Aromatic EPH 031725.M Sat Mar 29 04:45:59 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
FF015748.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		8.06		0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		9.73		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		10.8		0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		13.4		0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		21.9		1.28	2.18	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.2		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-02	Acq On:	28 Mar 2025 18:56
Client Sample ID:	P001-BBDGA-001-01MS	Operator:	YP\AJ
Data file:	FF015748.D	Misc:	
Instrument:	FID_F	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	14285227	111.199	300	ug/ml
Aliphatic C12-C16	6.834	10.268	17667612	134.238	200	ug/ml
Aliphatic C16-C21	10.269	13.634	20182654	149.088	300	ug/ml
Aliphatic C21-C28	13.635	17.200	24460596	184.918	400	ug/ml
Aliphatic C28-C40	17.201	22.202	32594679	301.392	600	ug/ml
Aliphatic EPH	3.211	22.202	109190768	880.834		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4673126	41.18		ug/ml
Aliphatic C9-C28	3.211	17.200	76596089	579.443	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015748.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 18:56
Operator : YP\AJ
Sample : Q1664-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 01:03:01 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	4673126	41.176 ug/mlm
Spiked Amount	50.000		Recovery =	82.35%
	Target Compounds			
1) T	n-Nonane (C9)	3.315	2902253	22.913 ug/ml
2) T	n-Decane (C10)	4.569	3462815	26.965 ug/ml
4) T	n-Dodecane (C12)	6.734	4070965	31.239 ug/ml
6) T	n-Tetradecane (C14)	8.561	4501443	34.759 ug/ml
7) T	n-Hexadecane (C16)	10.169	5075214	37.953 ug/ml
8) T	n-Octadecane (C18)	11.612	5377639	39.052 ug/ml
10) T	n-Eicosane (C20)	12.924	5645090	41.886 ug/ml
11) T	n-Heneicosane (C21)	13.536	5398096	40.391 ug/ml
13) T	n-Docosane (C22)	14.123	5418675	40.493 ug/ml
14) T	n-Tetracosane (C24)	15.227	5464538	40.819 ug/ml
15) T	n-Hexacosane (C26)	16.249	5257761	40.200 ug/ml
16) T	n-Octacosane (C28)	17.200	5412810	41.435 ug/ml
17) T	n-Tricontane (C30)	18.088	5133141	38.065 ug/ml
18) T	n-Dotriacontane (C32)	18.921	4880734	37.428 ug/ml
19) T	n-Tetratriacontane (C34)	19.706	4830748	41.383 ug/ml
20) T	n-Hexatriacontane (C36)	20.446	4568812	46.025 ug/ml
21) T	n-Octatriacontane (C38)	21.184	4390564	50.251 ug/ml
22) T	n-Tetracontane (C40)	22.097	3986311	49.671 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

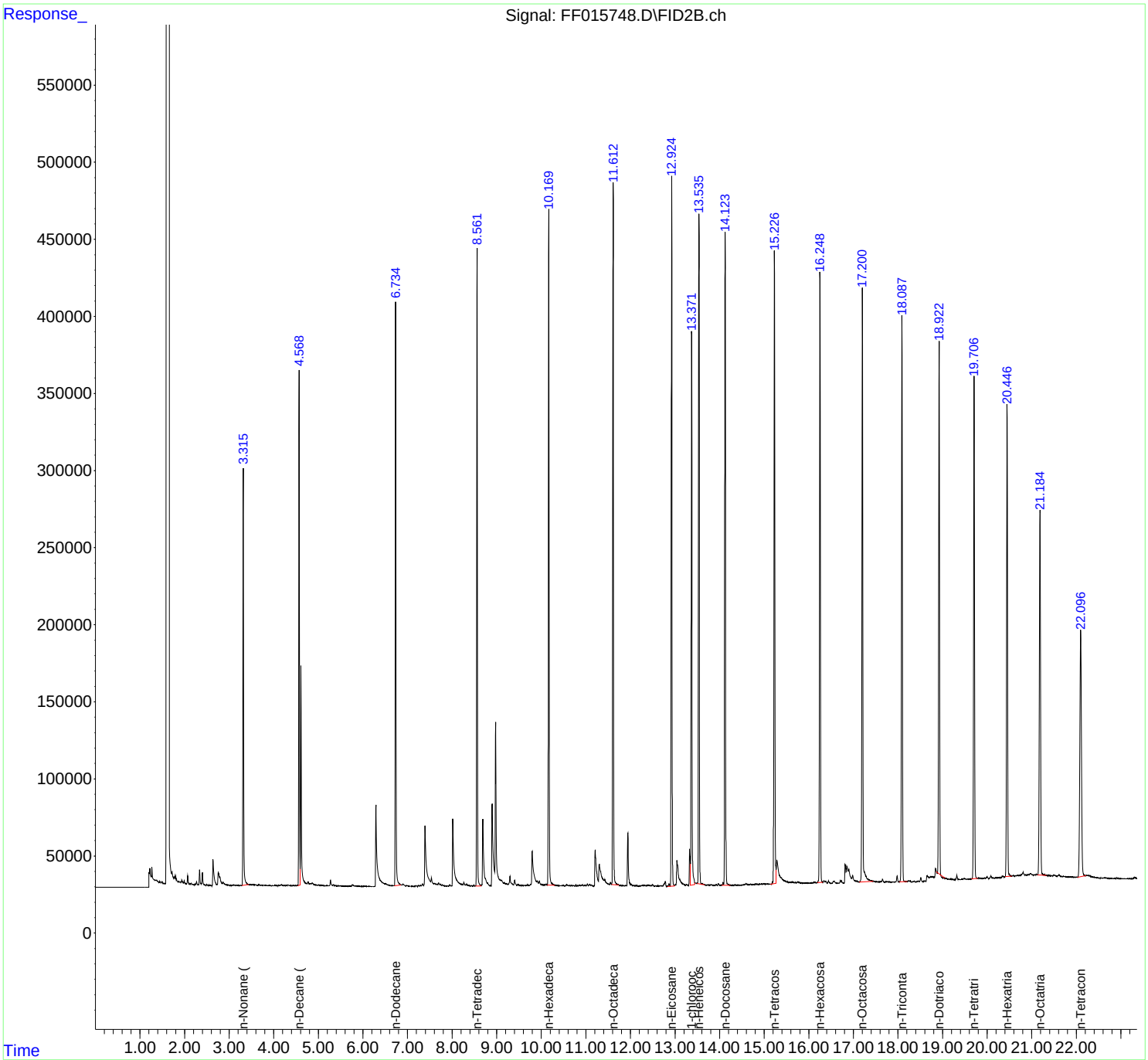
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015748.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 18:56
Operator : YP\AJ
Sample : Q1664-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

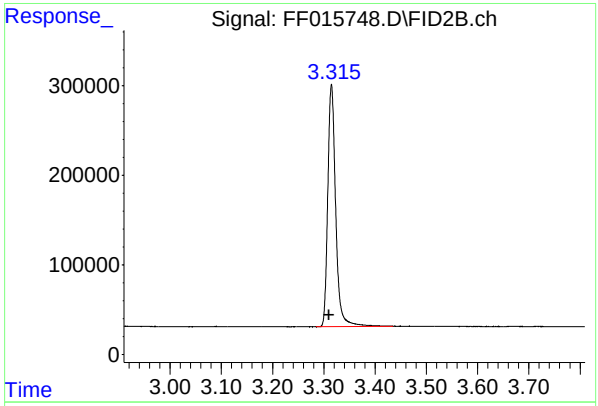
Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 01:03:01 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





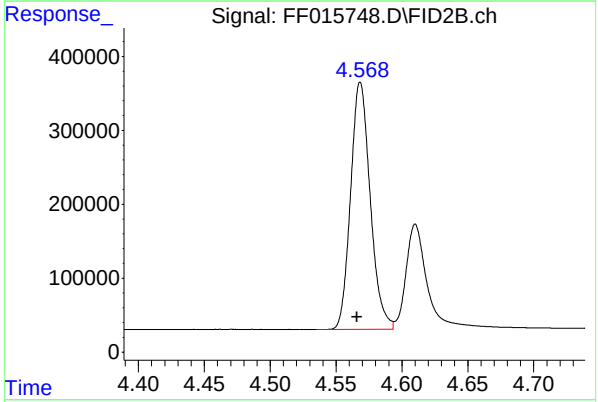
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: 0.005 min
Response: 2902253
Conc: 22.91 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

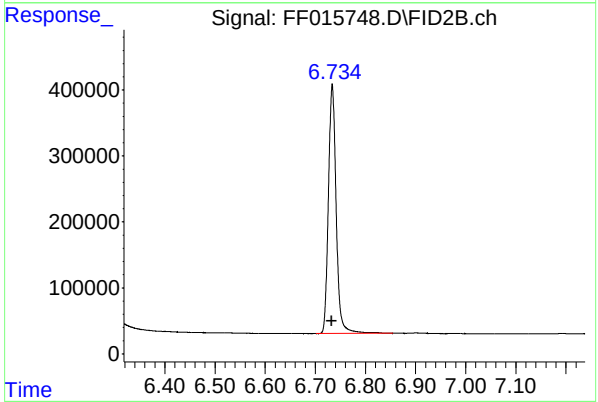
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 04/01/2025



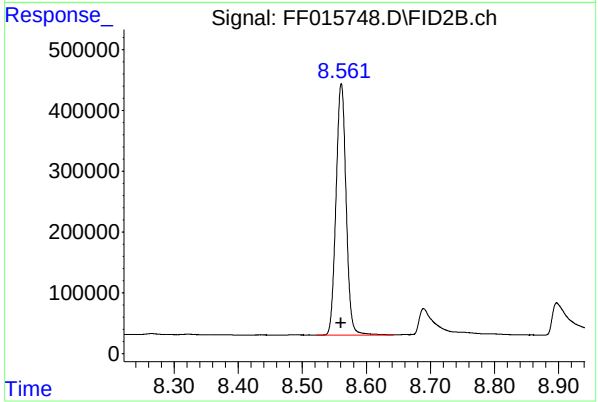
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: 0.003 min
Response: 3462815
Conc: 26.97 ug/ml



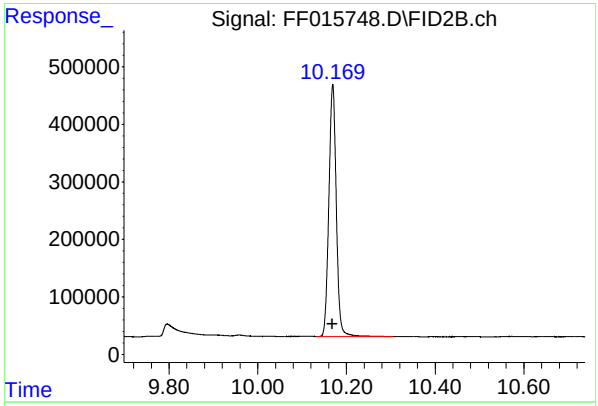
#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 4070965
Conc: 31.24 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 4501443
Conc: 34.76 ug/ml



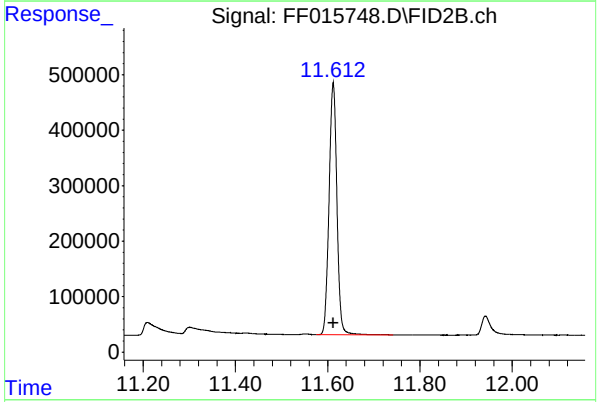
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 5075214
Conc: 37.95 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

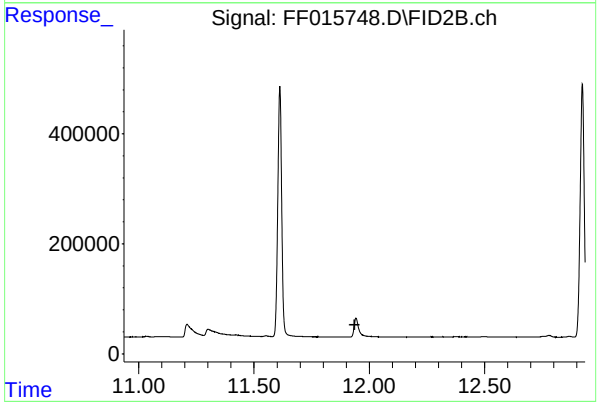
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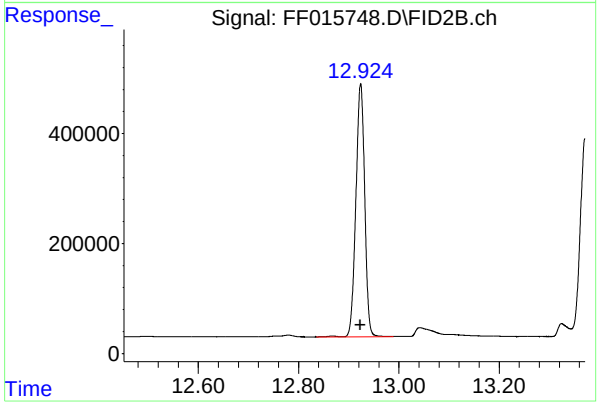
#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 5377639
Conc: 39.05 ug/ml



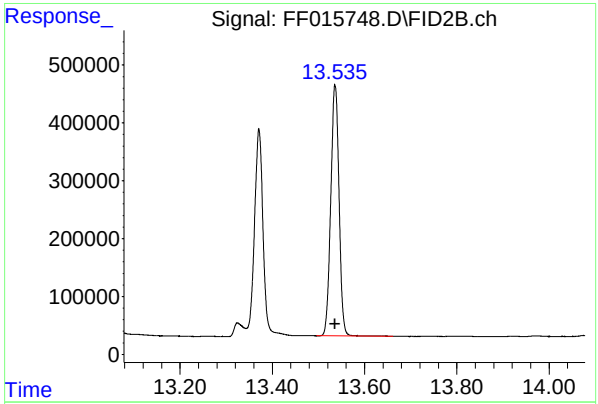
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.924 min
Delta R.T.: 0.000 min
Response: 5645090
Conc: 41.89 ug/ml



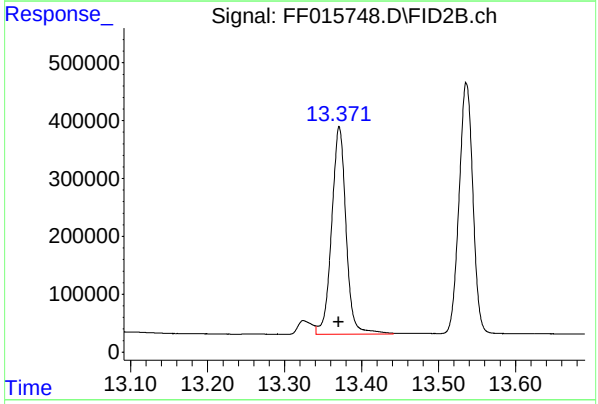
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.000 min
Response: 5398096
Conc: 40.39 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

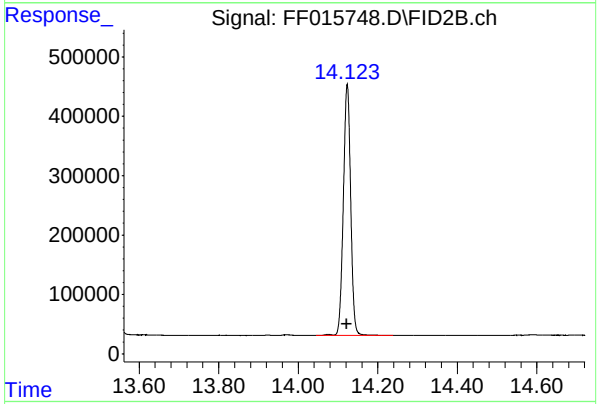
Manual Integrations
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Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



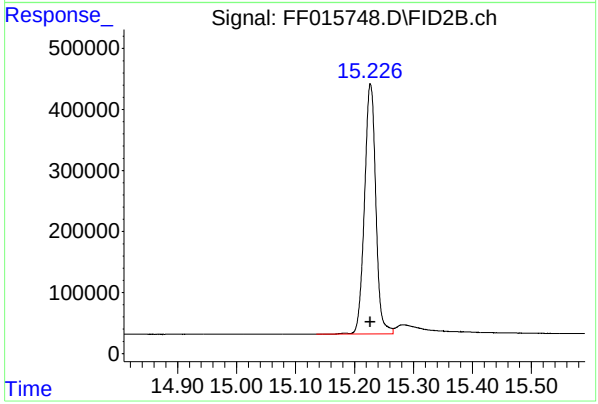
#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: 0.000 min
Response: 4673126
Conc: 41.18 ug/ml m



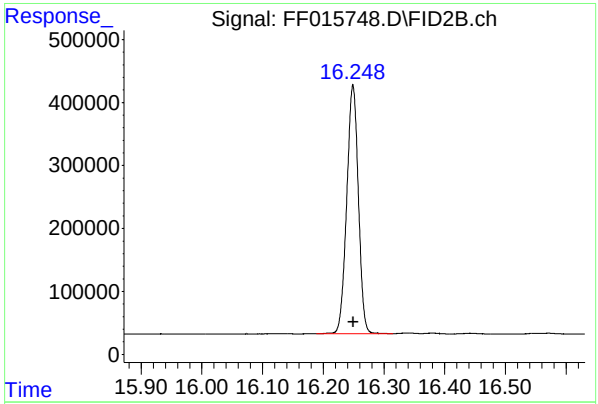
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 5418675
Conc: 40.49 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 5464538
Conc: 40.82 ug/ml



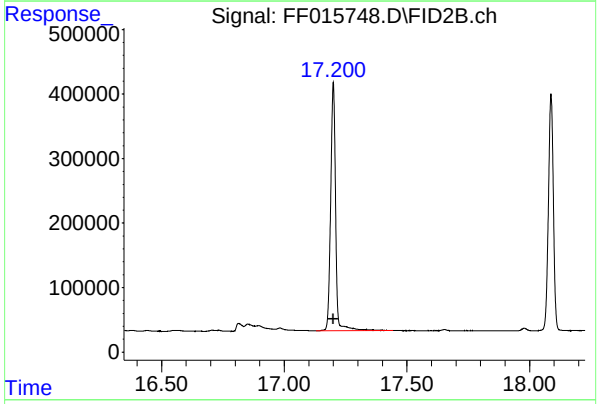
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: 0.000 min
Response: 5257761
Conc: 40.20 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

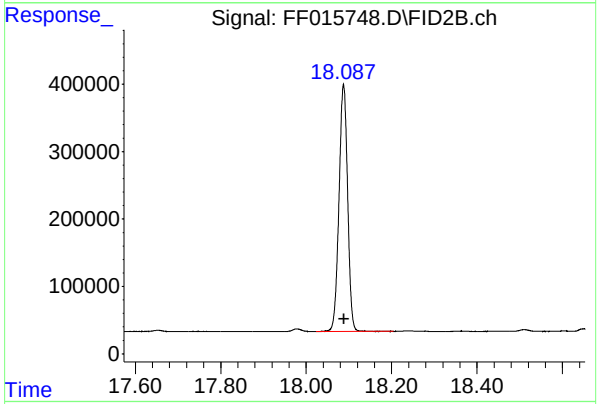
Manual Integrations
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Supervised By :mohammad ahmed 04/01/2025



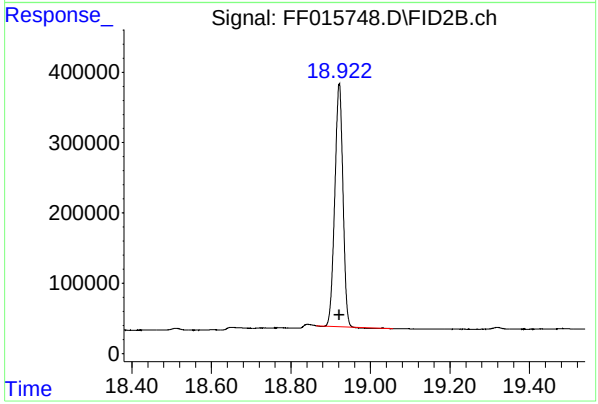
#16 n-Octacosane (C28)

R.T.: 17.200 min
Delta R.T.: 0.000 min
Response: 5412810
Conc: 41.44 ug/ml



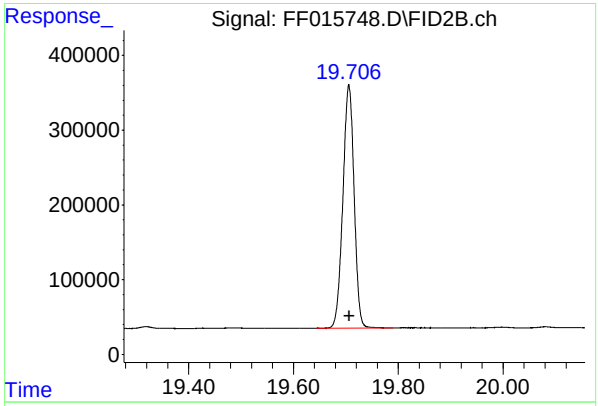
#17 n-Tricontane (C30)

R.T.: 18.088 min
Delta R.T.: -0.001 min
Response: 5133141
Conc: 38.06 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.001 min
Response: 4880734
Conc: 37.43 ug/ml



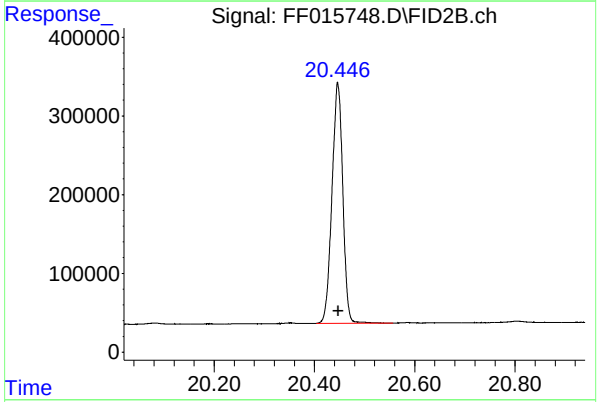
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min
Delta R.T.: -0.001 min
Response: 4830748
Conc: 41.38 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

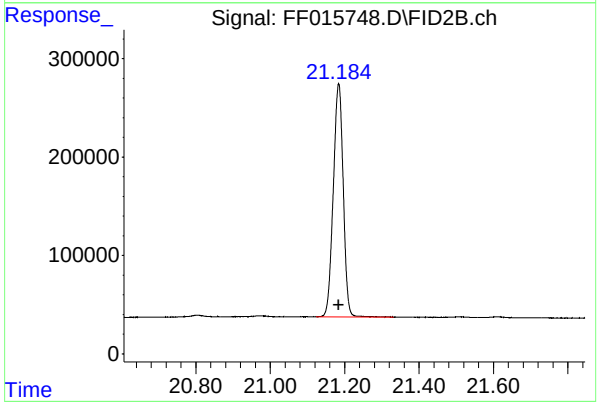
Manual Integrations
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Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



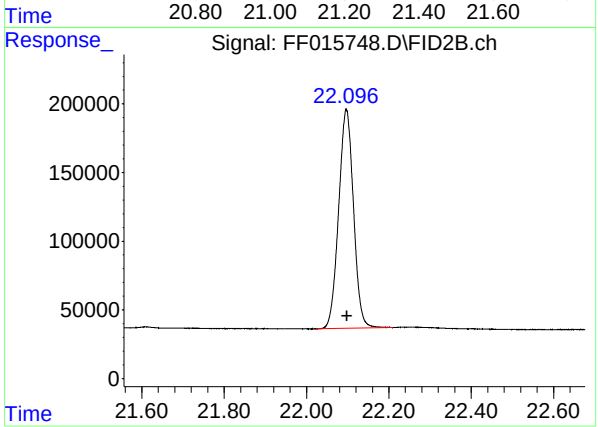
#20 n-Hexatriacontane (C36)

R.T.: 20.446 min
Delta R.T.: 0.000 min
Response: 4568812
Conc: 46.02 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 4390564
Conc: 50.25 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.097 min
Delta R.T.: -0.002 min
Response: 3986311
Conc: 49.67 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

rteres

Area Percent Report

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Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03282
Data File : FF015748.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 18:56
Sample : Q1664-02
Misc :
ALS Vial : 26 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	3.089	3.045	3.174	PV	315	13063	0.23%	0.011%
2	3.202	3.174	3.235	VV	167	3992	0.07%	0.003%
3	3.246	3.235	3.252	PV	85	569	0.01%	0.000%
4	3.267	3.252	3.285	VV	141	1631	0.03%	0.001%
5	3.315	3.285	3.456	VV	270037	2946447	52.32%	2.581%
6	3.463	3.456	3.517	VV	762	22749	0.40%	0.020%
7	3.532	3.517	3.591	VV	724	24966	0.44%	0.022%
8	3.601	3.591	3.626	VV	486	8996	0.16%	0.008%
9	3.642	3.626	3.655	VV	439	6962	0.12%	0.006%
10	3.671	3.655	3.696	VV	690	13063	0.23%	0.011%
11	3.716	3.696	3.758	VV	508	14888	0.26%	0.013%
12	3.781	3.758	3.995	VV	350	25286	0.45%	0.022%
13	4.024	3.995	4.108	VV	396	12173	0.22%	0.011%
14	4.171	4.108	4.265	VV	717	31079	0.55%	0.027%
15	4.285	4.265	4.301	VV	341	6409	0.11%	0.006%
16	4.321	4.301	4.409	VV	800	22299	0.40%	0.020%
17	4.472	4.409	4.498	VV	299	12647	0.22%	0.011%
18	4.504	4.498	4.535	VV	256	5043	0.09%	0.004%
19	4.569	4.535	4.593	VV	335077	3476750	61.74%	3.046%
20	4.610	4.593	4.747	VV	141144	1741061	30.92%	1.525%
21	4.769	4.747	4.811	VV	2642	74192	1.32%	0.065%
22	4.830	4.811	4.846	VV	1685	31252	0.55%	0.027%
23	4.864	4.846	4.972	VV	2196	86465	1.54%	0.076%
24	4.984	4.972	5.035	VV	766	24915	0.44%	0.022%
25	5.044	5.035	5.168	VV	598	34747	0.62%	0.030%
26	5.183	5.168	5.252	VV	498	17744	0.32%	0.016%
27	5.274	5.252	5.317	VV	3813	60078	1.07%	0.053%
28	5.337	5.317	5.435	VV	1096	34461	0.61%	0.030%
29	5.444	5.435	5.476	VV	248	5432	0.10%	0.005%
30	5.488	5.476	5.554	VV	263	8816	0.16%	0.008%
31	5.572	5.554	5.587	VV	153	2863	0.05%	0.003%
32	5.598	5.587	5.667	VV	187	5121	0.09%	0.004%
33	5.680	5.667	5.718	VV	173	3780	0.07%	0.003%
34	5.764	5.718	5.807	VV	1113	26697	0.47%	0.023%
35	5.819	5.807	5.865	VV	474	11562	0.21%	0.010%
36	5.894	5.865	5.971	VV	274	12541	0.22%	0.011%

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

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					rteres			
37	5.984	5.971	6.010	VV	126	1983	0.04%	0.002%
38	6.030	6.010	6.072	VV	219	3818	0	
39	6.088	6.072	6.124	VV	101	1789	0	
40	6.134	6.124	6.155	VV	117	876	0	
41	6.165	6.155	6.204	VV	64	900	0	
42	6.211	6.204	6.235	VV	47	496	0	
43	6.239	6.235	6.246	VV	43	140	0.00%	0.000%
44	6.292	6.246	6.670	PV	52347	1312310	23.30%	1.150%
45	6.679	6.670	6.701	VV	550	9790	0.17%	0.009%
46	6.734	6.701	6.809	VV	376381	4096016	72.74%	3.588%
47	6.818	6.809	6.855	VV	2151	43425	0.77%	0.038%
48	6.868	6.855	6.881	VV	1114	16816	0.30%	0.015%
49	6.901	6.881	6.957	VV	1579	45955	0.82%	0.040%
50	6.976	6.957	7.066	VV	775	25346	0.45%	0.022%
51	7.084	7.066	7.175	VV	274	9563	0.17%	0.008%
52	7.192	7.175	7.222	VV	710	9616	0.17%	0.008%
53	7.244	7.222	7.264	VV	553	10347	0.18%	0.009%
54	7.294	7.264	7.314	VV	880	18081	0.32%	0.016%
55	7.336	7.314	7.361	VV	1664	29771	0.53%	0.026%
56	7.394	7.361	7.517	VV	38613	989260	17.57%	0.867%
57	7.538	7.517	7.605	VV	5582	157405	2.80%	0.138%
58	7.613	7.605	7.644	VV	2008	40203	0.71%	0.035%
59	7.659	7.644	7.685	VV	1599	35232	0.63%	0.031%
60	7.700	7.685	7.765	VV	2308	71050	1.26%	0.062%
61	7.780	7.765	7.879	VV	1040	37296	0.66%	0.033%
62	7.896	7.879	7.925	VV	339	7809	0.14%	0.007%
63	7.947	7.925	7.998	VV	1268	24576	0.44%	0.022%
64	8.017	7.998	8.218	VV	44274	1056866	18.77%	0.926%
65	8.222	8.218	8.243	VV	1440	19533	0.35%	0.017%
66	8.265	8.243	8.304	VV	2617	57295	1.02%	0.050%
67	8.322	8.304	8.378	VV	1684	44725	0.79%	0.039%
68	8.383	8.378	8.410	VV	598	8312	0.15%	0.007%
69	8.435	8.410	8.467	VV	477	12259	0.22%	0.011%
70	8.488	8.467	8.532	VV	741	16854	0.30%	0.015%
71	8.561	8.532	8.643	VV	414762	4526714	80.39%	3.966%
72	8.690	8.643	8.869	VV	42763	913676	16.23%	0.800%
73	8.898	8.869	8.955	VV	52428	1065813	18.93%	0.934%
74	8.977	8.955	9.095	VV	104345	1686387	29.95%	1.477%
75	9.110	9.095	9.158	VV	4132	120820	2.15%	0.106%
76	9.168	9.158	9.204	VV	2377	54694	0.97%	0.048%
77	9.220	9.204	9.252	VV	1828	47063	0.84%	0.041%
78	9.299	9.252	9.377	VV	6815	185350	3.29%	0.162%
79	9.404	9.377	9.456	VV	4060	92112	1.64%	0.081%
80	9.479	9.456	9.505	VV	1455	30170	0.54%	0.026%
81	9.527	9.505	9.557	VV	995	23808	0.42%	0.021%
82	9.575	9.557	9.592	VV	742	13963	0.25%	0.012%
83	9.606	9.592	9.652	VV	710	22952	0.41%	0.020%
84	9.697	9.652	9.735	VV	1095	36196	0.64%	0.032%
85	9.797	9.735	9.939	VV	22181	747034	13.27%	0.654%
86	9.958	9.939	10.018	VV	3514	95510	1.70%	0.084%
87	10.031	10.018	10.052	VV	1195	22070	0.39%	0.019%
88	10.106	10.052	10.134	VV	1464	55251	0.98%	0.048%
89	10.169	10.134	10.342	VV	437531	5183859	92.06%	4.541%

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

90	10.348	10.342	10.373	VV	668	10752	0.19%	0.009%
91	10.393	10.373	10.428	VV	565	16547		
92	10.454	10.428	10.466	VV	605	12335		
93	10.488	10.466	10.513	VV	758	16751		
94	10.571	10.513	10.589	VV	1064	29980		
95	10.597	10.589	10.620	VV	747	12385		
96	10.653	10.620	10.679	VV	617	19562	0.35%	0.017%
97	10.702	10.679	10.715	VV	682	12496	0.22%	0.011%
98	10.724	10.715	10.746	VV	671	10168	0.18%	0.009%
99	10.774	10.746	10.786	VV	897	11738	0.21%	0.010%
100	10.803	10.786	10.826	VV	577	10985	0.20%	0.010%
101	10.854	10.826	10.871	VV	837	16200	0.29%	0.014%
102	10.884	10.871	10.900	VV	643	9414	0.17%	0.008%
103	10.922	10.900	10.947	VV	1170	20812	0.37%	0.018%
104	10.966	10.947	10.977	VV	716	10541	0.19%	0.009%
105	10.988	10.977	11.007	VV	748	10660	0.19%	0.009%
106	11.035	11.007	11.057	VV	1620	28572	0.51%	0.025%
107	11.081	11.057	11.106	VV	1119	25661	0.46%	0.022%
108	11.122	11.106	11.168	VV	938	22888	0.41%	0.020%
109	11.210	11.168	11.281	VV	23032	582809	10.35%	0.511%
110	11.302	11.281	11.410	VV	14371	595112	10.57%	0.521%
111	11.422	11.410	11.531	VV	4361	175048	3.11%	0.153%
112	11.552	11.531	11.577	VV	2611	49412	0.88%	0.043%
113	11.612	11.577	11.798	VV	455107	5505910	97.77%	4.824%
114	11.809	11.798	11.874	VV	613	22860	0.41%	0.020%
115	11.894	11.874	11.906	VV	616	9521	0.17%	0.008%
116	11.942	11.906	12.063	VV	34762	543077	9.64%	0.476%
117	12.077	12.063	12.102	VV	578	11921	0.21%	0.010%
118	12.115	12.102	12.161	VV	524	12966	0.23%	0.011%
119	12.183	12.161	12.202	VV	282	5726	0.10%	0.005%
120	12.248	12.202	12.258	VV	621	14367	0.26%	0.013%
121	12.272	12.258	12.290	VV	718	11408	0.20%	0.010%
122	12.306	12.290	12.350	VV	647	20412	0.36%	0.018%
123	12.378	12.350	12.404	VV	885	21981	0.39%	0.019%
124	12.415	12.404	12.465	VV	676	19123	0.34%	0.017%
125	12.498	12.465	12.542	VV	1177	27739	0.49%	0.024%
126	12.578	12.542	12.603	VV	429	12067	0.21%	0.011%
127	12.621	12.603	12.639	VV	363	5761	0.10%	0.005%
128	12.664	12.639	12.695	VV	436	10402	0.18%	0.009%
129	12.717	12.695	12.731	VV	436	8040	0.14%	0.007%
130	12.780	12.731	12.822	VV	3253	69179	1.23%	0.061%
131	12.868	12.822	12.887	PV	1566	22423	0.40%	0.020%
132	12.924	12.887	12.987	VV	460879	5631261	100.00%	4.933%
133	13.005	12.987	13.022	VV	1020	18900	0.34%	0.017%
134	13.043	13.022	13.238	VV	16800	595576	10.58%	0.522%
135	13.259	13.238	13.300	VV	983	25090	0.45%	0.022%
136	13.326	13.300	13.342	VV	23906	317833	5.64%	0.278%
137	13.371	13.342	13.499	VV	359087	4775995	84.81%	4.184%
138	13.536	13.499	13.600	VV	435830	5470285	97.14%	4.792%
139	13.612	13.600	13.718	VV	1441	57998	1.03%	0.051%
140	13.737	13.718	13.771	VV	603	15494	0.28%	0.014%
141	13.803	13.771	13.811	VV	644	11895	0.21%	0.010%

Instrument :
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ClientSampleId :
P001-BBDGA-001-01MS

Manual IntegrationsAPPROVED

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rteres

142	13.821	13.811	13.871	VV	645	12315	0.22%	0.011%
143	13.886	13.871	13.897	VV	268	3304		
144	13.923	13.897	13.948	VV	704	11984		
145	13.971	13.948	14.012	VV	1332	23840		
146	14.031	14.012	14.044	VV	266	4322		
147	14.075	14.044	14.088	VV	1863	24125		
148	14.123	14.088	14.238	VV	422483	5412711	96.12%	4.742%
149	14.261	14.238	14.306	VV	237	4814	0.09%	0.004%
150	14.352	14.306	14.395	PV	315	8524	0.15%	0.007%
151	14.430	14.395	14.445	VV	215	4043	0.07%	0.004%
152	14.460	14.445	14.480	VV	149	2013	0.04%	0.002%
153	14.551	14.480	14.564	VV	366	8897	0.16%	0.008%
154	14.590	14.564	14.655	VV	951	28401	0.50%	0.025%
155	14.662	14.655	14.678	VV	315	3624	0.06%	0.003%
156	14.695	14.678	14.735	VV	574	11780	0.21%	0.010%
157	14.764	14.735	14.774	VV	424	7426	0.13%	0.007%
158	14.822	14.774	14.875	VV	582	25516	0.45%	0.022%
159	14.892	14.875	14.913	VV	502	9882	0.18%	0.009%
160	14.938	14.913	14.958	VV	545	11711	0.21%	0.010%
161	14.990	14.958	15.022	VV	629	19869	0.35%	0.017%
162	15.036	15.022	15.060	VV	577	10689	0.19%	0.009%
163	15.082	15.060	15.136	VV	658	18701	0.33%	0.016%
164	15.227	15.136	15.265	VV	409968	5507571	97.80%	4.825%
165	15.283	15.265	15.608	VV	15718	898419	15.95%	0.787%
166	15.635	15.608	15.701	VV	1476	69397	1.23%	0.061%
167	15.717	15.701	15.727	VV	1054	15439	0.27%	0.014%
168	15.752	15.727	15.866	VV	1713	83840	1.49%	0.073%
169	15.884	15.866	15.907	VV	731	16116	0.29%	0.014%
170	15.931	15.907	15.999	VV	781	36673	0.65%	0.032%
171	16.018	15.999	16.028	VV	617	9938	0.18%	0.009%
172	16.046	16.028	16.055	VV	659	9738	0.17%	0.009%
173	16.072	16.055	16.084	VV	699	11511	0.20%	0.010%
174	16.135	16.084	16.159	VV	1001	35846	0.64%	0.031%
175	16.178	16.159	16.192	VV	995	15097	0.27%	0.013%
176	16.249	16.192	16.315	VV	395087	5322075	94.51%	4.663%
177	16.340	16.315	16.362	VV	1954	41472	0.74%	0.036%
178	16.380	16.362	16.412	VV	1731	33365	0.59%	0.029%
179	16.442	16.412	16.515	VV	1508	36472	0.65%	0.032%
180	16.549	16.515	16.558	VV	1428	20012	0.36%	0.018%
181	16.570	16.558	16.674	VV	1559	35107	0.62%	0.031%
182	16.706	16.674	16.720	VV	1740	25161	0.45%	0.022%
183	16.732	16.720	16.760	VV	1634	23321	0.41%	0.020%
184	16.772	16.760	16.789	VV	285	3415	0.06%	0.003%
185	16.815	16.789	16.835	VV	12078	199154	3.54%	0.174%
186	16.852	16.835	16.881	VV	11083	254614	4.52%	0.223%
187	16.896	16.881	16.962	VV	8719	275795	4.90%	0.242%
188	16.982	16.962	17.063	VV	5043	152574	2.71%	0.134%
189	17.080	17.063	17.131	VV	1358	39613	0.70%	0.035%
190	17.200	17.131	17.502	VV	386839	5592981	99.32%	4.900%
191	17.523	17.502	17.562	VV	723	22863	0.41%	0.020%
192	17.599	17.562	17.612	VV	657	15829	0.28%	0.014%
193	17.653	17.612	17.706	VV	2245	49502	0.88%	0.043%
194	17.758	17.706	17.778	VV	479	17361	0.31%	0.015%

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/01/2025

rteres

195	17.792	17.778	17.845	VV	458	12861	0.23%	0.011%
196	17.855	17.845	17.864	VV	237	2173		
197	17.887	17.864	17.935	VV	325	8844		
198	17.979	17.935	18.015	VV	4105	65418		
199	18.088	18.015	18.166	VV	366353	5155739	9	
200	18.189	18.166	18.206	VV	421	8753		
201	18.238	18.206	18.320	VV	1033	31169	0.55%	0.027%
202	18.361	18.320	18.405	PV	634	14275	0.25%	0.013%
203	18.448	18.405	18.481	VV	440	13274	0.24%	0.012%
204	18.511	18.481	18.558	VV	2774	45137	0.80%	0.040%
205	18.604	18.558	18.624	VV	603	13355	0.24%	0.012%
206	18.651	18.624	18.704	VV	3806	130987	2.33%	0.115%
207	18.728	18.704	18.752	VV	3108	83725	1.49%	0.073%
208	18.773	18.752	18.805	VV	3207	97659	1.73%	0.086%
209	18.812	18.805	18.822	VV	2841	28221	0.50%	0.025%
210	18.843	18.822	18.882	VV	8118	219983	3.91%	0.193%
211	18.921	18.882	19.003	VV	351545	5215217	92.61%	4.569%
212	19.030	19.003	19.058	VV	2426	73457	1.30%	0.064%
213	19.073	19.058	19.145	VV	1950	82107	1.46%	0.072%
214	19.178	19.145	19.260	VV	1335	77881	1.38%	0.068%
215	19.319	19.260	19.348	VV	3490	88501	1.57%	0.078%
216	19.358	19.348	19.396	VV	1283	29836	0.53%	0.026%
217	19.429	19.396	19.462	VV	1350	42818	0.76%	0.038%
218	19.483	19.462	19.548	VV	1716	64455	1.14%	0.056%
219	19.568	19.548	19.595	VV	1145	29344	0.52%	0.026%
220	19.607	19.595	19.618	VV	1146	15140	0.27%	0.013%
221	19.706	19.618	19.792	VV	326121	4962041	88.12%	4.347%
222	19.809	19.792	19.818	VV	1616	24062	0.43%	0.021%
223	19.832	19.818	19.888	VV	1573	60360	1.07%	0.053%
224	19.998	19.888	20.035	VV	2309	136242	2.42%	0.119%
225	20.081	20.035	20.118	VV	2758	89075	1.58%	0.078%
226	20.132	20.118	20.162	VV	1569	38150	0.68%	0.033%
227	20.188	20.162	20.215	VV	1594	46165	0.82%	0.040%
228	20.270	20.215	20.295	VV	1697	76787	1.36%	0.067%
229	20.351	20.295	20.388	VV	2716	113078	2.01%	0.099%
230	20.447	20.388	20.556	VV	303589	4793526	85.12%	4.200%
231	20.586	20.556	20.613	VV	3010	90811	1.61%	0.080%
232	20.670	20.613	20.684	VV	2682	111062	1.97%	0.097%
233	20.804	20.684	20.872	VV	4635	358394	6.36%	0.314%
234	20.974	20.872	21.059	VV	3805	351057	6.23%	0.308%
235	21.184	21.059	21.403	VV	240262	4927019	87.49%	4.316%
236	21.410	21.403	21.468	VV	2128	80253	1.43%	0.070%
237	21.507	21.468	21.571	VV	2423	127866	2.27%	0.112%
238	21.609	21.571	21.662	VV	2422	104512	1.86%	0.092%
239	21.676	21.662	21.803	VV	1527	111282	1.98%	0.097%
240	21.818	21.803	21.842	VV	1132	24679	0.44%	0.022%
241	21.848	21.842	21.886	VV	1093	27500	0.49%	0.024%
242	21.895	21.886	21.910	VV	1010	13404	0.24%	0.012%
243	21.914	21.910	21.935	VV	926	13313	0.24%	0.012%
244	21.964	21.935	22.011	VV	856	36623	0.65%	0.032%
245	22.097	22.011	22.209	VV	160727	4121534	73.19%	3.611%
246	22.249	22.209	22.502	VBA	1825	160467	2.85%	0.141%

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MS

rteres
Sum of corrected areas: 114144285

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Aliphatic EPH 031725.M Sat Mar 29 02:02:59 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068473.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	296		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	300		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	338		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	375		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	566		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.4		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-05	Acq On:	01 Apr 2025 18:36
Client Sample ID:	P001-BBDGA-001-01MS	Operator:	YP/AJ
Data file:	FC068473.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	24073271	148.308	300	ug/ml
Aliphatic C12-C16	6.360	9.742	25260412	150.186	200	ug/ml
Aliphatic C16-C21	9.743	13.096	29010139	169.145	300	ug/ml
Aliphatic C21-C28	13.097	16.749	31738818	187.948	400	ug/ml
Aliphatic C28-C40	16.750	21.544	38573298	283.269	600	ug/ml
Aliphatic EPH	3.097	21.544	148655938	938.857		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	7218327	48.42		ug/ml
Aliphatic C9-C28	3.097	16.749	110082640	655.587	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068473.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:36
Operator : YP/AJ
Sample : Q1664-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MS

Integration File: autoint1.e
Quant Time: Apr 02 02:59:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.828	7218327	48.421 ug/ml
Spiked Amount	50.000		Recovery =	96.84%
	Target Compounds			
1) T	n-Nonane (C9)	3.200	5383854	33.661 ug/ml
2) T	n-Decane (C10)	4.254	6479408	39.970 ug/ml
4) T	n-Dodecane (C12)	6.260	7260885	44.030 ug/ml
6) T	n-Tetradecane (C14)	8.048	7533131	45.784 ug/ml
7) T	n-Hexadecane (C16)	9.643	7769104	45.208 ug/ml
8) T	n-Octadecane (C18)	11.081	7680705	43.758 ug/ml
10) T	n-Eicosane (C20)	12.387	7824104	45.684 ug/ml
11) T	n-Heneicosane (C21)	12.997	7375007	43.967 ug/ml
13) T	n-Docosane (C22)	13.581	7291519	43.222 ug/ml
14) T	n-Tetracosane (C24)	14.682	7195840	42.016 ug/ml
15) T	n-Hexacosane (C26)	15.701	6897790	40.984 ug/ml
16) T	n-Octacosane (C28)	16.648	6547863	39.159 ug/ml
17) T	n-Tricontane (C30)	17.534	6505777	37.313 ug/ml
18) T	n-Dotriacontane (C32)	18.365	6234903	37.245 ug/ml
19) T	n-Tetratriacontane (C34)	19.147	5948445	40.329 ug/ml
20) T	n-Hexatriacontane (C36)	19.886	5565113	45.474 ug/ml
21) T	n-Octatriacontane (C38)	20.596	5357018	49.886 ug/ml
22) T	n-Tetracontane (C40)	21.442	5064216	51.673 ug/ml

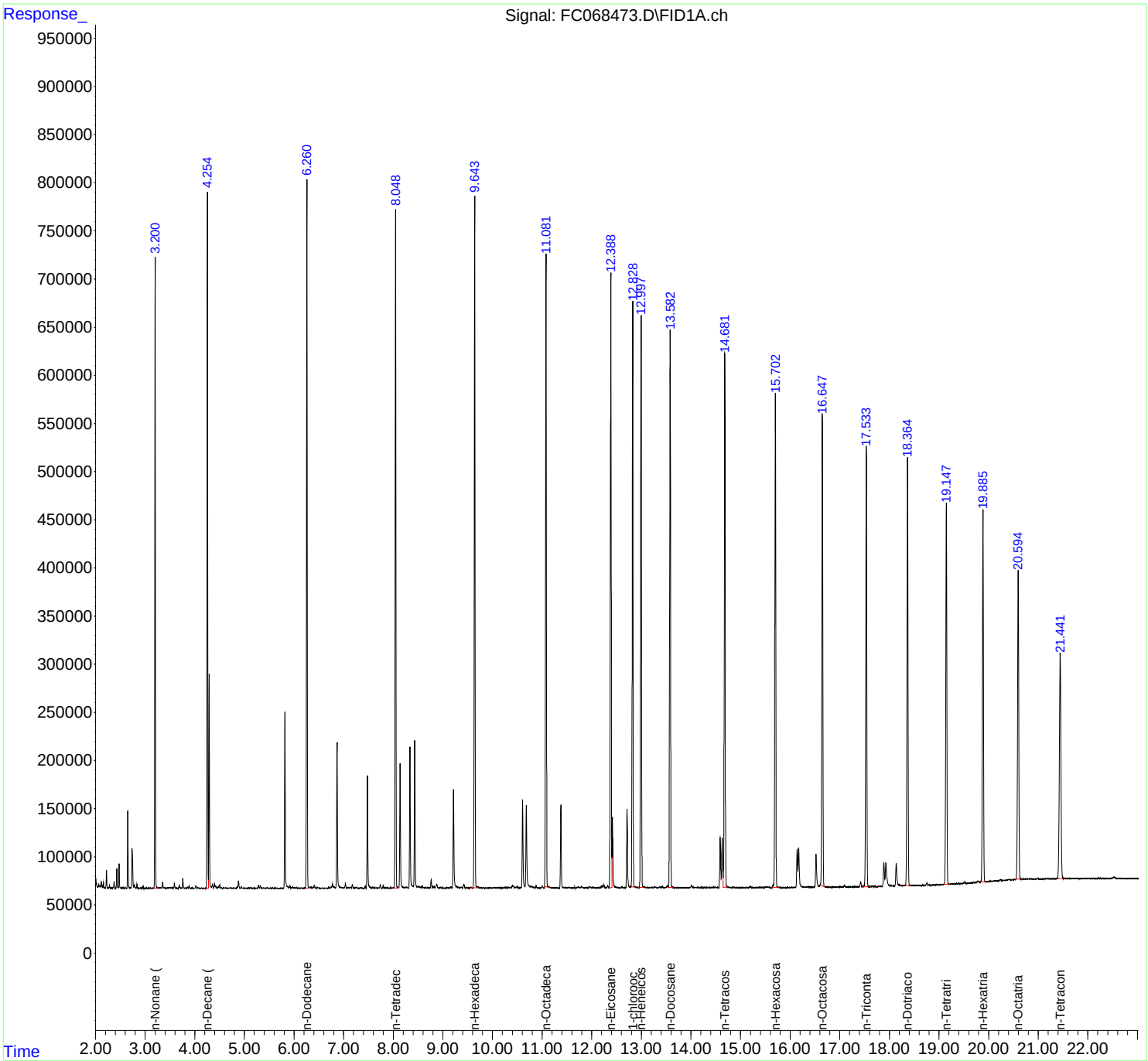
(f)=RT Delta > 1/2 Window (m)=manual int.

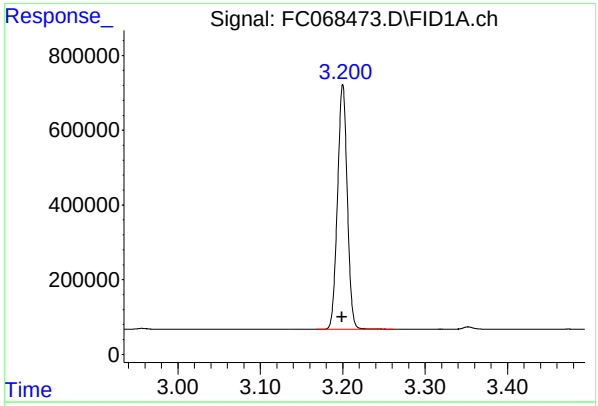
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068473.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:36
Operator : YP/AJ
Sample : Q1664-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MS

Integration File: autoint1.e
Quant Time: Apr 02 02:59:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

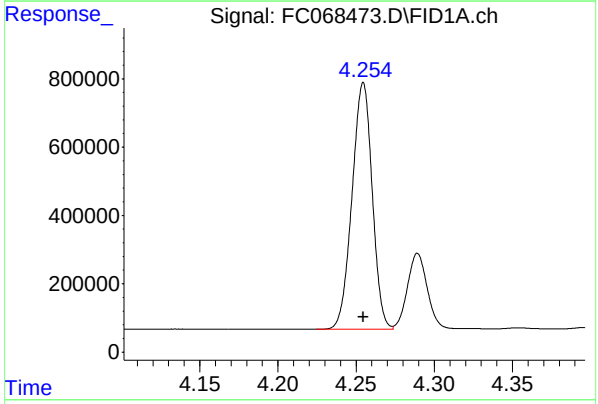




#1 n-Nonane (C9)

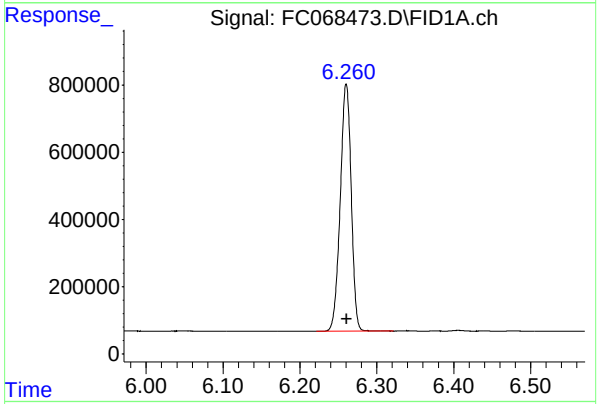
R.T.: 3.200 min
Delta R.T.: 0.001 min
Response: 5383854
Conc: 33.66 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MS



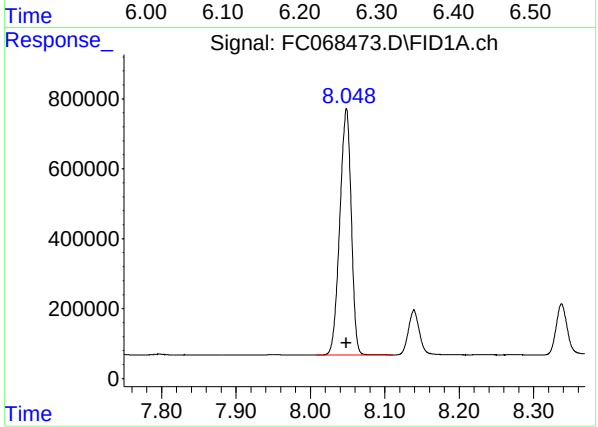
#2 n-Decane (C10)

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 6479408
Conc: 39.97 ug/ml



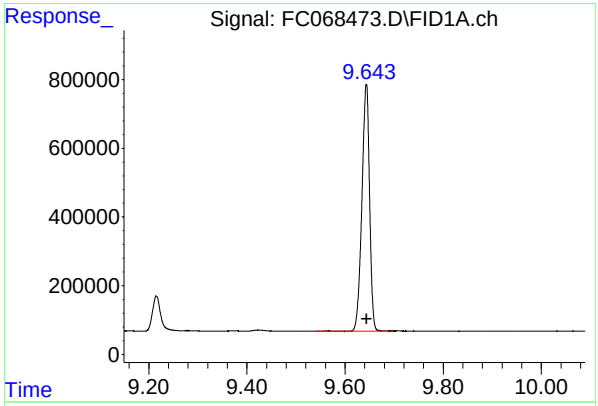
#4 n-Dodecane (C12)

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 7260885
Conc: 44.03 ug/ml



#6 n-Tetradecane (C14)

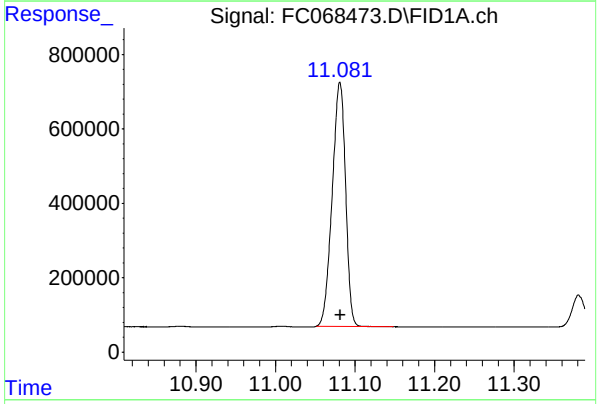
R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 7533131
Conc: 45.78 ug/ml



#7 n-Hexadecane (C16)

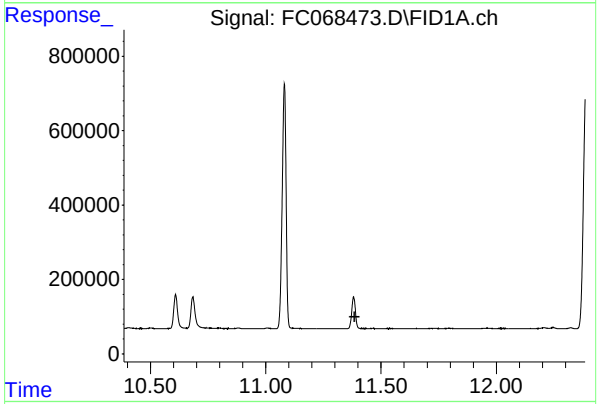
R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 7769104
Conc: 45.21 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MS



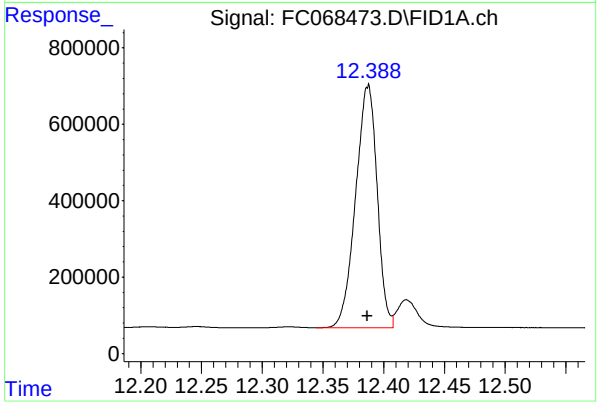
#8 n-Octadecane (C18)

R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 7680705
Conc: 43.76 ug/ml



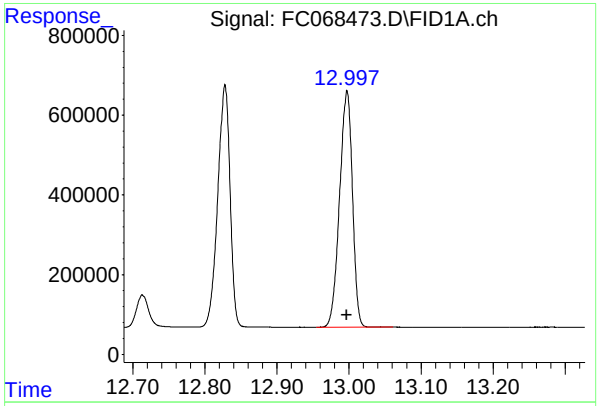
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

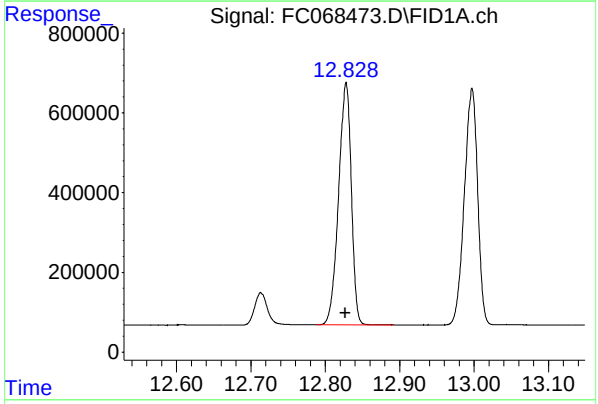
R.T.: 12.387 min
Delta R.T.: 0.000 min
Response: 7824104
Conc: 45.68 ug/ml



#11 n-Heneicosane (C21)

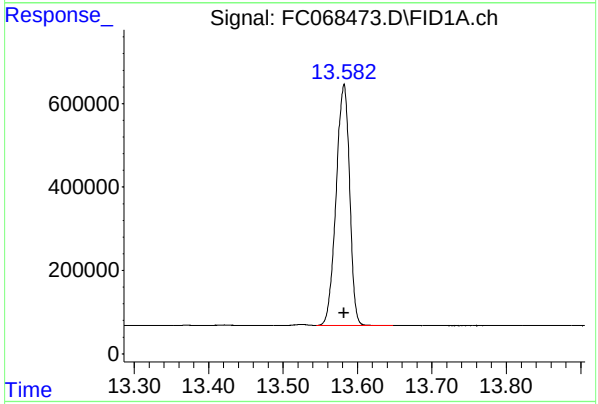
R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 7375007
Conc: 43.97 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MS



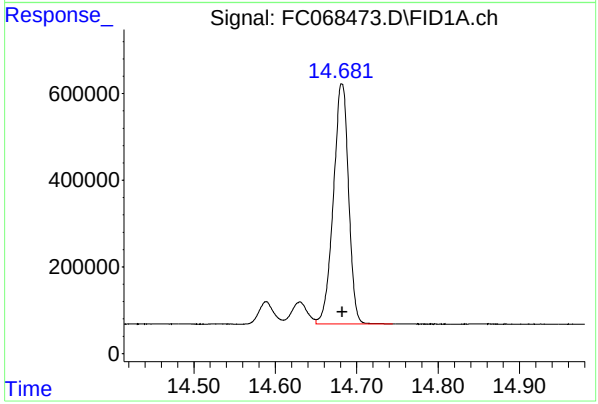
#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.000 min
Response: 7218327
Conc: 48.42 ug/ml



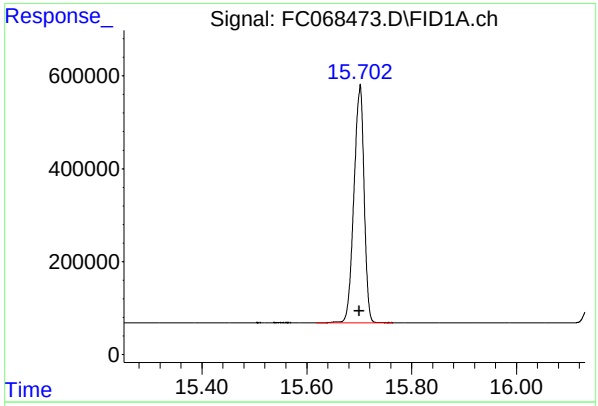
#13 n-Docosane (C22)

R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 7291519
Conc: 43.22 ug/ml



#14 n-Tetracosane (C24)

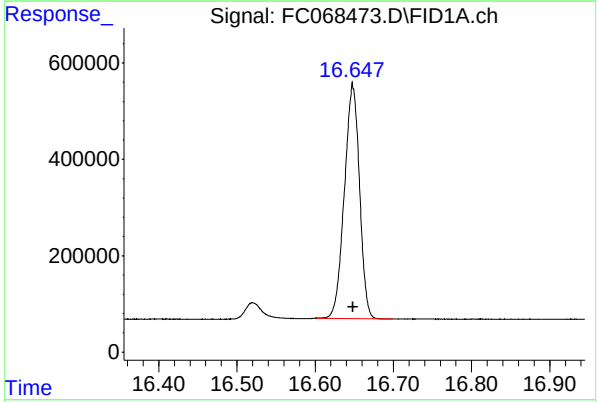
R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 7195840
Conc: 42.02 ug/ml



#15 n-Hexacosane (C26)

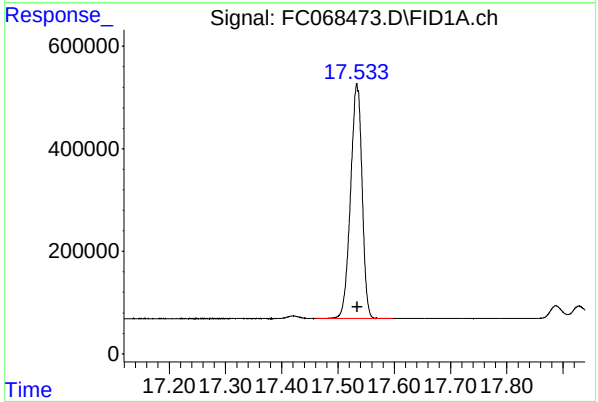
R.T.: 15.701 min
Delta R.T.: 0.000 min
Response: 6897790
Conc: 40.98 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MS



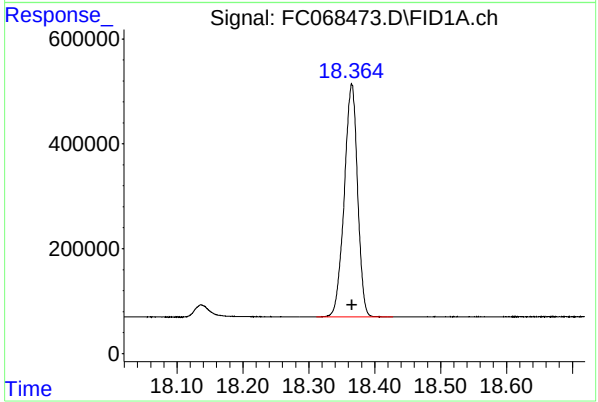
#16 n-Octacosane (C28)

R.T.: 16.648 min
Delta R.T.: 0.000 min
Response: 6547863
Conc: 39.16 ug/ml



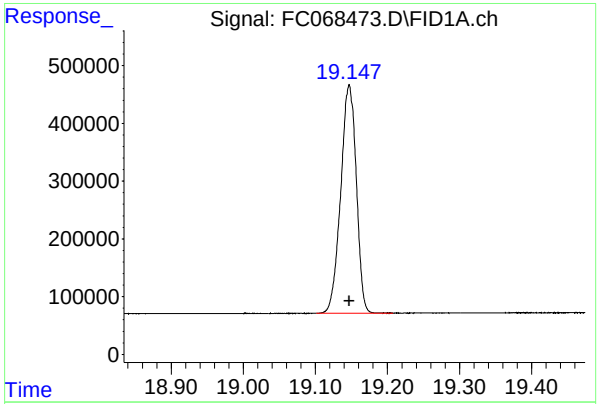
#17 n-Tricontane (C30)

R.T.: 17.534 min
Delta R.T.: 0.000 min
Response: 6505777
Conc: 37.31 ug/ml



#18 n-Dotriacontane (C32)

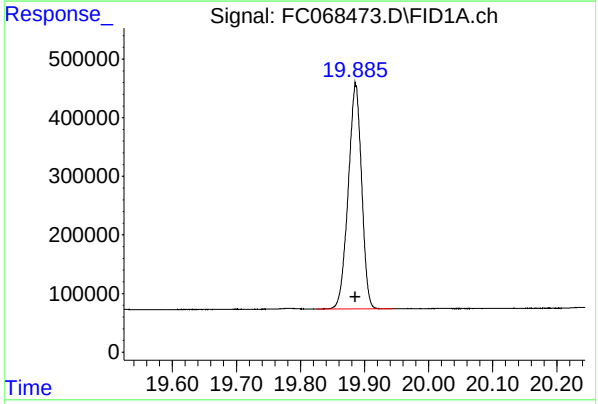
R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 6234903
Conc: 37.24 ug/ml



#19 n-Tetratriacontane (C34)

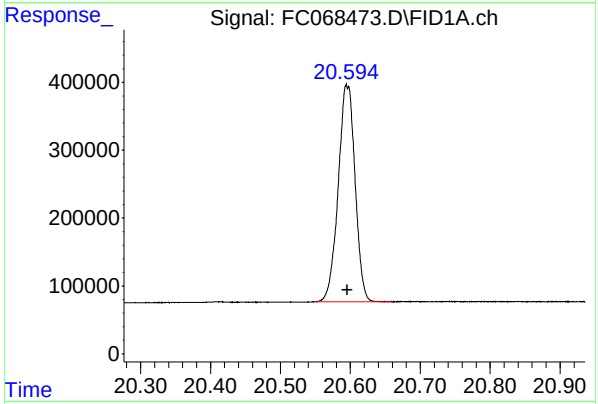
R.T.: 19.147 min
Delta R.T.: 0.000 min
Response: 5948445
Conc: 40.33 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MS



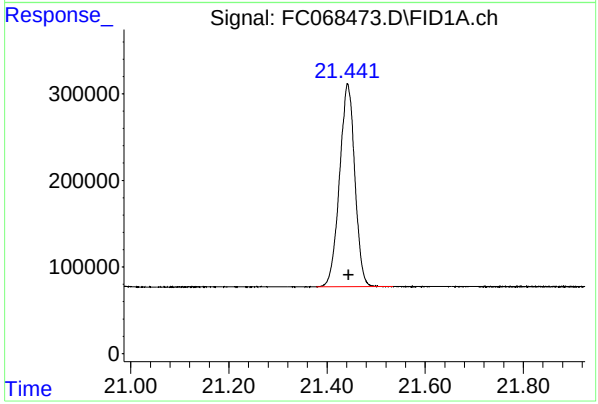
#20 n-Hexatriacontane (C36)

R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 5565113
Conc: 45.47 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 5357018
Conc: 49.89 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.442 min
Delta R.T.: -0.002 min
Response: 5064216
Conc: 51.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068473.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:36
Sample : Q1664-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.373	2.304	2.406	BV	6719	54567	0.70%	0.035%
2	2.429	2.406	2.458	PV	20472	180825	2.31%	0.114%
3	2.474	2.458	2.516	VV	25644	205870	2.63%	0.130%
4	2.524	2.516	2.537	VV	301	2401	0.03%	0.002%
5	2.554	2.537	2.577	PV	1294	13228	0.17%	0.008%
6	2.588	2.577	2.626	VV	630	5789	0.07%	0.004%
7	2.649	2.626	2.713	PV	80724	637130	8.13%	0.403%
8	2.737	2.713	2.769	VV	40022	520636	6.64%	0.330%
9	2.784	2.769	2.816	VV	3706	44749	0.57%	0.028%
10	2.835	2.816	2.883	VV	4523	46547	0.59%	0.029%
11	2.912	2.883	2.935	VV	496	6722	0.09%	0.004%
12	2.957	2.935	3.008	VV	2458	25638	0.33%	0.016%
13	3.025	3.008	3.039	VV	362	4661	0.06%	0.003%
14	3.050	3.039	3.069	VV	171	2196	0.03%	0.001%
15	3.095	3.069	3.125	VV	428	6416	0.08%	0.004%
16	3.154	3.125	3.166	VV	116	1824	0.02%	0.001%
17	3.200	3.166	3.273	VV	656163	5399718	68.90%	3.419%
18	3.295	3.273	3.305	VV	393	6476	0.08%	0.004%
19	3.319	3.305	3.333	VV	600	6959	0.09%	0.004%
20	3.352	3.333	3.387	VV	6611	61947	0.79%	0.039%
21	3.399	3.387	3.413	VV	430	4903	0.06%	0.003%
22	3.474	3.413	3.487	VV	694	15746	0.20%	0.010%
23	3.520	3.487	3.550	VV	874	17777	0.23%	0.011%
24	3.565	3.550	3.573	VV	699	6334	0.08%	0.004%
25	3.589	3.573	3.662	VV	5093	53795	0.69%	0.034%
26	3.687	3.662	3.738	VV	3270	39126	0.50%	0.025%
27	3.759	3.738	3.824	VV	10513	99801	1.27%	0.063%
28	3.858	3.824	3.870	VV	1306	15363	0.20%	0.010%
29	3.886	3.870	3.936	VV	2566	28598	0.36%	0.018%
30	3.951	3.936	3.979	VV	457	6048	0.08%	0.004%
31	4.026	3.979	4.046	VV	2293	39013	0.50%	0.025%
32	4.054	4.046	4.121	VV	739	14007	0.18%	0.009%
33	4.136	4.121	4.154	VV	468	5323	0.07%	0.003%
34	4.205	4.154	4.223	VV	287	8419	0.11%	0.005%
35	4.254	4.223	4.274	VV	722148	6486992	82.78%	4.107%
36	4.289	4.274	4.337	VV	219846	1985045	25.33%	1.257%

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37	4.354	4.337	4.378	VV	4061	51010	0.65%	0.032%
38	4.396	4.378	4.410	VV	4913	50037	0.64%	0.032%
39	4.420	4.410	4.444	VV	2895	32510	0.41%	0.021%
40	4.475	4.444	4.489	VV	2330	30058	0.38%	0.019%
41	4.505	4.489	4.554	VV	3875	46237	0.59%	0.029%
42	4.576	4.554	4.591	VV	496	7613	0.10%	0.005%
43	4.621	4.591	4.657	VV	616	14552	0.19%	0.009%
44	4.695	4.657	4.708	VV	395	9495	0.12%	0.006%
45	4.713	4.708	4.754	VV	352	5627	0.07%	0.004%
46	4.803	4.754	4.833	VV	625	10917	0.14%	0.007%
47	4.881	4.833	4.918	VV	7915	105532	1.35%	0.067%
48	4.937	4.918	4.977	VV	1751	23828	0.30%	0.015%
49	4.991	4.977	5.024	VV	369	5509	0.07%	0.003%
50	5.071	5.024	5.093	VV	538	9967	0.13%	0.006%
51	5.111	5.093	5.221	VV	434	17842	0.23%	0.011%
52	5.248	5.221	5.264	VV	392	5702	0.07%	0.004%
53	5.282	5.264	5.302	VV	3259	35082	0.45%	0.022%
54	5.322	5.302	5.342	VV	2788	31938	0.41%	0.020%
55	5.378	5.342	5.411	VV	791	14821	0.19%	0.009%
56	5.461	5.411	5.511	VV	498	14920	0.19%	0.009%
57	5.527	5.511	5.544	VV	217	3113	0.04%	0.002%
58	5.570	5.544	5.592	VV	527	9266	0.12%	0.006%
59	5.606	5.592	5.648	VV	301	7182	0.09%	0.005%
60	5.650	5.648	5.671	VV	257	1924	0.02%	0.001%
61	5.694	5.671	5.710	VV	149	1991	0.03%	0.001%
62	5.731	5.710	5.748	PV	304	3146	0.04%	0.002%
63	5.817	5.748	5.864	VV	179566	1770589	22.59%	1.121%
64	5.873	5.864	5.898	VV	2011	30070	0.38%	0.019%
65	5.919	5.898	5.961	VV	2428	41686	0.53%	0.026%
66	5.979	5.961	6.016	VV	1156	21892	0.28%	0.014%
67	6.048	6.016	6.088	VV	830	23308	0.30%	0.015%
68	6.094	6.088	6.134	VV	404	9112	0.12%	0.006%
69	6.150	6.134	6.219	VV	443	14376	0.18%	0.009%
70	6.260	6.219	6.322	VV	736742	7286527	92.98%	4.614%
71	6.341	6.322	6.360	VV	1537	22678	0.29%	0.014%
72	6.375	6.360	6.388	VV	959	11781	0.15%	0.007%
73	6.406	6.388	6.427	VV	2680	32679	0.42%	0.021%
74	6.439	6.427	6.460	VV	945	12848	0.16%	0.008%
75	6.478	6.460	6.511	VV	1368	17417	0.22%	0.011%
76	6.531	6.511	6.549	VV	287	4864	0.06%	0.003%
77	6.575	6.549	6.601	VV	354	7675	0.10%	0.005%
78	6.625	6.601	6.640	VV	346	6009	0.08%	0.004%
79	6.650	6.640	6.668	VV	346	4008	0.05%	0.003%
80	6.698	6.668	6.726	VV	1285	16915	0.22%	0.011%
81	6.751	6.726	6.761	VV	1702	19257	0.25%	0.012%
82	6.777	6.761	6.838	VV	4491	78796	1.01%	0.050%
83	6.868	6.838	6.948	VV	150713	1584971	20.23%	1.004%
84	6.953	6.948	6.965	VV	862	8288	0.11%	0.005%
85	6.980	6.965	6.998	VV	867	13363	0.17%	0.008%
86	7.037	6.998	7.064	VV	5036	68777	0.88%	0.044%
87	7.072	7.064	7.078	VV	686	5097	0.07%	0.003%
88	7.095	7.078	7.126	VV	949	20889	0.27%	0.013%
89	7.144	7.126	7.156	VV	1210	14412	0.18%	0.009%

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90	7.177	7.156	7.200	VV	4150	49200	0.63%	0.031%
91	7.213	7.200	7.220	VV	516	5114	0.07%	0.003%
92	7.239	7.220	7.253	VV	1001	14099	0.18%	0.009%
93	7.267	7.253	7.312	VV	1227	16370	0.21%	0.010%
94	7.341	7.312	7.367	VV	494	9502	0.12%	0.006%
95	7.391	7.367	7.415	VV	286	5429	0.07%	0.003%
96	7.437	7.415	7.458	VV	2069	22998	0.29%	0.015%
97	7.481	7.458	7.564	VV	116596	1211299	15.46%	0.767%
98	7.593	7.564	7.618	VV	825	21911	0.28%	0.014%
99	7.629	7.618	7.648	VV	653	9534	0.12%	0.006%
100	7.658	7.648	7.681	VV	508	8032	0.10%	0.005%
101	7.697	7.681	7.714	VV	727	9075	0.12%	0.006%
102	7.741	7.714	7.770	VV	3864	46944	0.60%	0.030%
103	7.797	7.770	7.818	VV	2717	32740	0.42%	0.021%
104	7.832	7.818	7.884	VV	544	12776	0.16%	0.008%
105	7.901	7.884	7.921	VV	487	6397	0.08%	0.004%
106	7.951	7.921	7.974	VV	1325	17141	0.22%	0.011%
107	8.048	7.974	8.111	VV	698704	7566792	96.56%	4.791%
108	8.139	8.111	8.213	VV	126528	1354791	17.29%	0.858%
109	8.236	8.213	8.256	VV	1200	23185	0.30%	0.015%
110	8.274	8.256	8.307	VV	1449	21777	0.28%	0.014%
111	8.338	8.307	8.406	VV	146275	1589694	20.29%	1.007%
112	8.434	8.406	8.488	VV	152354	1623520	20.72%	1.028%
113	8.500	8.488	8.520	VV	1674	28314	0.36%	0.018%
114	8.531	8.520	8.563	VV	1392	29396	0.38%	0.019%
115	8.582	8.563	8.624	VV	1883	44499	0.57%	0.028%
116	8.642	8.624	8.674	VV	1040	17007	0.22%	0.011%
117	8.695	8.674	8.721	VV	825	14355	0.18%	0.009%
118	8.765	8.721	8.786	VV	8780	106518	1.36%	0.067%
119	8.800	8.786	8.844	VV	1878	43822	0.56%	0.028%
120	8.877	8.844	8.934	VV	4197	87058	1.11%	0.055%
121	8.951	8.934	8.974	VV	1023	14251	0.18%	0.009%
122	8.999	8.974	9.025	VV	689	10939	0.14%	0.007%
123	9.050	9.025	9.068	VV	322	5777	0.07%	0.004%
124	9.081	9.068	9.129	VV	532	15480	0.20%	0.010%
125	9.163	9.129	9.186	VV	1167	24322	0.31%	0.015%
126	9.216	9.186	9.268	VV	103434	1209140	15.43%	0.766%
127	9.279	9.268	9.347	VV	1846	46909	0.60%	0.030%
128	9.371	9.347	9.397	VV	1283	24175	0.31%	0.015%
129	9.423	9.397	9.460	VV	3634	65843	0.84%	0.042%
130	9.472	9.460	9.520	VV	787	14395	0.18%	0.009%
131	9.562	9.520	9.601	VV	1070	22284	0.28%	0.014%
132	9.643	9.601	9.697	VV	729773	7797253	99.50%	4.937%
133	9.708	9.697	9.777	VV	1054	32309	0.41%	0.020%
134	9.786	9.777	9.833	VV	534	10608	0.14%	0.007%
135	9.846	9.833	9.871	VV	244	3986	0.05%	0.003%
136	9.915	9.871	9.929	VV	405	9078	0.12%	0.006%
137	9.958	9.929	9.998	VV	701	17952	0.23%	0.011%
138	10.032	9.998	10.050	VV	806	16697	0.21%	0.011%
139	10.067	10.050	10.091	VV	746	12329	0.16%	0.008%
140	10.106	10.091	10.134	VV	501	11417	0.15%	0.007%
141	10.147	10.134	10.172	VV	567	7714	0.10%	0.005%

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142	10.188	10.172	10.203	VV	251	2936	0.04%	0.002%
143	10.237	10.203	10.251	VV	777	12115	0.15%	0.008%
144	10.270	10.251	10.290	VV	708	11926	0.15%	0.008%
145	10.316	10.290	10.339	VV	877	18316	0.23%	0.012%
146	10.405	10.339	10.447	VV	2995	81028	1.03%	0.051%
147	10.459	10.447	10.474	VV	839	10958	0.14%	0.007%
148	10.502	10.474	10.560	VV	2252	44665	0.57%	0.028%
149	10.609	10.560	10.656	VV	92291	1096200	13.99%	0.694%
150	10.684	10.656	10.781	VV	86122	1181737	15.08%	0.748%
151	10.798	10.781	10.818	VV	1793	30585	0.39%	0.019%
152	10.827	10.818	10.851	VV	895	14140	0.18%	0.009%
153	10.880	10.851	10.922	VV	2151	35058	0.45%	0.022%
154	10.931	10.922	10.957	VV	299	4307	0.05%	0.003%
155	11.008	10.957	11.035	VV	2097	31581	0.40%	0.020%
156	11.081	11.035	11.212	VV	659551	7777502	99.25%	4.925%
157	11.232	11.212	11.278	VV	325	9069	0.12%	0.006%
158	11.293	11.278	11.346	VV	277	6584	0.08%	0.004%
159	11.381	11.346	11.448	PV	86133	977416	12.47%	0.619%
160	11.464	11.448	11.499	VV	886	17201	0.22%	0.011%
161	11.542	11.499	11.578	VV	843	24548	0.31%	0.016%
162	11.595	11.578	11.614	VV	308	4815	0.06%	0.003%
163	11.655	11.614	11.688	VV	525	13727	0.18%	0.009%
164	11.737	11.688	11.768	VV	1170	34554	0.44%	0.022%
165	11.796	11.768	11.820	VV	1681	27180	0.35%	0.017%
166	11.834	11.820	11.855	VV	493	7060	0.09%	0.004%
167	11.879	11.855	11.889	VV	553	8007	0.10%	0.005%
168	11.898	11.889	11.918	VV	534	6821	0.09%	0.004%
169	11.961	11.918	11.989	VV	1516	34844	0.44%	0.022%
170	12.021	11.989	12.068	VV	675	23467	0.30%	0.015%
171	12.080	12.068	12.100	VV	358	4923	0.06%	0.003%
172	12.150	12.100	12.161	VV	491	12566	0.16%	0.008%
173	12.207	12.161	12.227	VV	2682	53357	0.68%	0.034%
174	12.246	12.227	12.294	VV	3224	45458	0.58%	0.029%
175	12.322	12.294	12.344	VV	2611	32720	0.42%	0.021%
176	12.387	12.344	12.408	VV	636223	7836578	100.00%	4.962%
177	12.419	12.408	12.588	VV	73426	906631	11.57%	0.574%
178	12.607	12.588	12.646	VV	1055	18255	0.23%	0.012%
179	12.663	12.646	12.683	VV	407	7476	0.10%	0.005%
180	12.714	12.683	12.768	VV	80920	991585	12.65%	0.628%
181	12.779	12.768	12.788	VV	1474	16187	0.21%	0.010%
182	12.828	12.788	12.915	VV	608855	7289878	93.02%	4.616%
183	12.936	12.915	12.958	VV	701	15684	0.20%	0.010%
184	12.997	12.958	13.032	VV	595632	7399285	94.42%	4.685%
185	13.045	13.032	13.084	VV	1518	31306	0.40%	0.020%
186	13.112	13.084	13.144	VV	539	16753	0.21%	0.011%
187	13.190	13.144	13.231	VV	672	24174	0.31%	0.015%
188	13.281	13.231	13.314	VV	861	28860	0.37%	0.018%
189	13.337	13.314	13.350	VV	460	8074	0.10%	0.005%
190	13.370	13.350	13.398	VV	974	15787	0.20%	0.010%
191	13.421	13.398	13.470	VV	1585	30529	0.39%	0.019%
192	13.525	13.470	13.543	VV	2685	44291	0.57%	0.028%
193	13.581	13.543	13.686	VV	574395	7321730	93.43%	4.636%
194	13.703	13.686	13.728	VV	283	5142	0.07%	0.003%

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195	13.814	13.728	13.828	VV	275	9022	0.12%	0.006%
196	13.833	13.828	13.860	VV	259	3767	0.05%	0.002%
197	13.877	13.860	13.888	VV	211	2814	0.04%	0.002%
198	13.909	13.888	13.969	VV	230	8286	0.11%	0.005%
199	14.011	13.969	14.095	VV	2823	53229	0.68%	0.034%
200	14.111	14.095	14.120	VV	321	3814	0.05%	0.002%
201	14.138	14.120	14.174	VV	583	9665	0.12%	0.006%
202	14.202	14.174	14.214	VV	308	5135	0.07%	0.003%
203	14.229	14.214	14.238	VV	286	3822	0.05%	0.002%
204	14.276	14.238	14.318	VV	421	16248	0.21%	0.010%
205	14.340	14.318	14.367	VV	428	9167	0.12%	0.006%
206	14.393	14.367	14.411	VV	370	8454	0.11%	0.005%
207	14.485	14.411	14.514	VV	591	27123	0.35%	0.017%
208	14.533	14.514	14.556	VV	530	9559	0.12%	0.006%
209	14.589	14.556	14.610	VV	52158	655788	8.37%	0.415%
210	14.630	14.610	14.650	VV	51609	698003	8.91%	0.442%
211	14.682	14.650	14.814	VV	558156	7242334	92.42%	4.586%
212	14.848	14.814	14.901	VV	554	14685	0.19%	0.009%
213	14.912	14.901	14.921	VV	209	2100	0.03%	0.001%
214	14.929	14.921	14.969	VV	165	3876	0.05%	0.002%
215	14.982	14.969	15.004	VV	175	2463	0.03%	0.002%
216	15.012	15.004	15.017	VV	116	865	0.01%	0.001%
217	15.025	15.017	15.032	VV	169	1339	0.02%	0.001%
218	15.040	15.032	15.067	VV	182	3054	0.04%	0.002%
219	15.074	15.067	15.087	VV	186	1651	0.02%	0.001%
220	15.097	15.087	15.111	VV	214	2096	0.03%	0.001%
221	15.118	15.111	15.134	VV	189	2202	0.03%	0.001%
222	15.162	15.134	15.174	VV	273	4939	0.06%	0.003%
223	15.197	15.174	15.246	VV	1071	19637	0.25%	0.012%
224	15.343	15.246	15.356	VV	359	12390	0.16%	0.008%
225	15.377	15.356	15.429	VV	345	10320	0.13%	0.007%
226	15.455	15.429	15.478	VV	226	5366	0.07%	0.003%
227	15.509	15.478	15.529	VV	443	9965	0.13%	0.006%
228	15.547	15.529	15.617	VV	558	17846	0.23%	0.011%
229	15.701	15.617	15.769	VV	507630	6914607	88.24%	4.378%
230	15.778	15.769	15.817	VV	234	4146	0.05%	0.003%
231	15.865	15.817	15.884	PV	176	4273	0.05%	0.003%
232	15.913	15.884	15.925	VV	121	1983	0.03%	0.001%
233	15.951	15.925	15.961	PV	89	1190	0.02%	0.001%
234	16.008	15.961	16.031	PV	150	2562	0.03%	0.002%
235	16.051	16.031	16.080	VV	139	1979	0.03%	0.001%
236	16.139	16.080	16.154	VV	39807	506417	6.46%	0.321%
237	16.170	16.154	16.244	VV	41625	653035	8.33%	0.413%
238	16.252	16.244	16.328	VV	926	25352	0.32%	0.016%
239	16.347	16.328	16.374	VV	414	10781	0.14%	0.007%
240	16.399	16.374	16.455	VV	514	16550	0.21%	0.010%
241	16.520	16.455	16.586	VV	34233	559360	7.14%	0.354%
242	16.648	16.586	16.726	VV	484793	6648771	84.84%	4.210%
243	16.736	16.726	16.794	VV	452	11448	0.15%	0.007%
244	16.811	16.794	16.902	VV	227	5243	0.07%	0.003%
245	16.928	16.902	16.948	PV	143	1187	0.02%	0.001%
246	16.988	16.948	17.011	PV	106	2222	0.03%	0.001%

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247	17.094	17.011	17.150	PV	1571	27832	0.36%	0.018%
248	17.185	17.150	17.194	VV	222	3535	0.05%	0.002%
249	17.204	17.194	17.215	VV	133	1294	0.02%	0.001%
250	17.241	17.215	17.281	VV	174	5190	0.07%	0.003%
251	17.325	17.281	17.361	VV	380	9524	0.12%	0.006%
252	17.372	17.361	17.384	VV	231	2516	0.03%	0.002%
253	17.421	17.384	17.458	VV	5271	79180	1.01%	0.050%
254	17.534	17.458	17.611	VV	454041	6519229	83.19%	4.128%
255	17.616	17.611	17.654	VV	358	5548	0.07%	0.004%
256	17.666	17.654	17.718	VV	174	5659	0.07%	0.004%
257	17.726	17.718	17.736	VV	137	1078	0.01%	0.001%
258	17.745	17.736	17.753	PV	77	583	0.01%	0.000%
259	17.758	17.753	17.767	VV	55	363	0.00%	0.000%
260	17.814	17.767	17.838	PV	213	3925	0.05%	0.002%
261	17.888	17.838	17.908	PV	24795	366005	4.67%	0.232%
262	17.929	17.908	18.051	VV	24274	513177	6.55%	0.325%
263	18.062	18.051	18.097	VV	464	10284	0.13%	0.007%
264	18.137	18.097	18.241	VV	23384	416761	5.32%	0.264%
265	18.251	18.241	18.298	VV	573	12689	0.16%	0.008%
266	18.365	18.298	18.457	VV	442613	6255457	79.82%	3.961%
267	18.482	18.457	18.504	VV	226	4991	0.06%	0.003%
268	18.552	18.504	18.591	VV	176	6029	0.08%	0.004%
269	18.622	18.591	18.644	VV	157	2614	0.03%	0.002%
270	18.757	18.644	18.805	VV	2443	41431	0.53%	0.026%
271	18.876	18.805	18.900	PV	135	4046	0.05%	0.003%
272	18.941	18.900	18.974	VV	240	5352	0.07%	0.003%
273	19.004	18.974	19.027	PV	264	4940	0.06%	0.003%
274	19.075	19.027	19.088	VV	250	5572	0.07%	0.004%
275	19.147	19.088	19.221	VV	394491	5975638	76.25%	3.784%
276	19.242	19.221	19.264	VV	509	10940	0.14%	0.007%
277	19.301	19.264	19.334	VV	639	18283	0.23%	0.012%
278	19.392	19.334	19.405	VV	594	21316	0.27%	0.013%
279	19.518	19.405	19.554	VV	1825	63036	0.80%	0.040%
280	19.631	19.554	19.641	VV	704	29318	0.37%	0.019%
281	19.699	19.641	19.734	VV	1087	45894	0.59%	0.029%
282	19.783	19.734	19.824	VV	2253	76372	0.97%	0.048%
283	19.886	19.824	19.944	VV	382557	5655208	72.16%	3.581%
284	19.966	19.944	19.974	VV	1481	26635	0.34%	0.017%
285	20.022	19.974	20.044	VV	1906	65912	0.84%	0.042%
286	20.055	20.044	20.064	VV	1486	17450	0.22%	0.011%
287	20.182	20.064	20.190	VV	1743	122035	1.56%	0.077%
288	20.236	20.190	20.269	VV	3126	103119	1.32%	0.065%
289	20.411	20.269	20.438	VV	2872	218952	2.79%	0.139%
290	20.596	20.438	20.662	VV	322761	5696817	72.70%	3.607%
291	20.676	20.662	20.683	VV	2736	34680	0.44%	0.022%
292	20.697	20.683	20.714	VV	2747	47729	0.61%	0.030%
293	20.754	20.714	20.787	VV	2638	111986	1.43%	0.071%
294	20.795	20.787	20.802	VV	2490	21781	0.28%	0.014%
295	20.809	20.802	20.834	VV	2432	46831	0.60%	0.030%
296	20.841	20.834	20.859	VV	2434	35324	0.45%	0.022%
297	20.869	20.859	20.880	VV	2275	27958	0.36%	0.018%
298	20.907	20.880	20.921	VV	2258	54358	0.69%	0.034%
299	20.937	20.921	20.958	VV	2182	46606	0.59%	0.030%

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300	20.988	20.958	21.034	VV	2744	102634	1.31%	0.065%
301	21.099	21.034	21.111	VV	1854	83091	1.06%	0.053%
302	21.119	21.111	21.131	VV	1863	21211	0.27%	0.013%
303	21.159	21.131	21.170	VV	1869	41863	0.53%	0.027%
304	21.181	21.170	21.209	VV	1812	41698	0.53%	0.026%
305	21.219	21.209	21.244	VV	1770	34913	0.45%	0.022%
306	21.267	21.244	21.284	VV	1670	39200	0.50%	0.025%
307	21.297	21.284	21.334	VV	1648	47307	0.60%	0.030%
308	21.442	21.334	21.572	VV	235353	5263747	67.17%	3.333%
309	21.581	21.572	21.597	VV	1242	18848	0.24%	0.012%
310	21.622	21.597	21.672	VV	1356	54337	0.69%	0.034%
311	21.704	21.672	21.722	VV	1135	31405	0.40%	0.020%
312	21.735	21.722	21.771	VV	932	24992	0.32%	0.016%
313	21.784	21.771	21.797	VV	780	11837	0.15%	0.007%
314	21.820	21.797	21.844	VV	709	18900	0.24%	0.012%
315	21.875	21.844	21.887	VV	616	14695	0.19%	0.009%
316	21.957	21.887	21.999	VV	604	33759	0.43%	0.021%
317	22.046	21.999	22.061	VV	313	11085	0.14%	0.007%
318	22.072	22.061	22.091	VV	296	3498	0.04%	0.002%
319	22.143	22.091	22.167	VV	208	5479	0.07%	0.003%
320	22.175	22.167	22.184	PV	82	364	0.00%	0.000%

Sum of corrected areas: 157932383

Aliphatic EPH 032625.M Wed Apr 02 03:32:40 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015599.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	208		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	346		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	729		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	948		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	41.7		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-05	Acq On:	01 Apr 2025 17:58
Client Sample ID:	P001-BBDGA-001-01MS	Operator:	YP\AJ
Data file:	FG015599.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	4.450	6.329	13989002	104.398	200	ug/ml
Aromatic C12-C16	6.330	9.035	23760404	173.242	300	ug/ml
Aromatic C16-C21	9.036	13.365	50880671	364.97	500	ug/ml
Aromatic C21-C36	13.366	18.829	61773336	474.472	800	ug/ml
Aromatic EPH	4.450	18.829	150403413	1120		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	7392503	50.69		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6103825	49.97		ug/ml
2-Flurobiphenyl (SURR)	8.839	8.839	3449498	41.73		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015599.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:58
Operator : YP\AJ
Sample : Q1664-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS

Integration File: autoint1.e
Quant Time: Apr 02 01:16:44 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...	7.961	6103825	49.968	ug/ml
Spiked Amount	50.000		Recovery =	99.94%	
6)	S 2-Flurobiphenyl (SURR)	8.839	3449498	41.733	ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	83.47%	
11)	S ortho-Terphenyl (SURR)	11.913	7392503	50.693	ug/ml
Spiked Amount	50.000		Recovery =	101.39%	
	Target Compounds				
1)	T 1,2,3-Trimethylbenzen...	4.553	5348355	40.248	ug/ml
2)	T Naphthalene (C11.7)	6.230	6270201	46.409	ug/ml
3)	T 2-Methylnaphthalene (...	7.331	5981182	44.839	ug/ml
5)	T Acenaphthylene (C15.06)	8.638	6761375	47.740	ug/ml
7)	T Acenaphthene (C15.5)	8.939	6827836	50.045	ug/ml
8)	T Flouorene (C16.55)	9.732	7108247	50.917	ug/ml
9)	T Phenanthrene (C19.36)	11.143	6947489	49.314	ug/ml
10)	T Anthracene (C19.43)	11.219	6814746	49.800	ug/ml
12)	T Fluoranthene (C21.85)	12.971	7018075	49.213	ug/ml
13)	T Pyrene (C20.8)	13.270	6796393	48.437	ug/ml
14)	T Benzo[a]anthracene (C...	15.159	6557048	48.344	ug/ml
15)	T Chrysene (C27.41)	15.202	8024039	57.318	ug/ml
16)	T benzo[b]fluoranthene ...	16.724	6750614	51.087	ug/ml
17)	T Bnezo[k]fluoranthene ...	16.759	7527960	55.135	ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.105	6600303	52.633	ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.483	5786670	52.010	ug/ml
20)	T Dibenz[a,h]anthracene...	18.520	7151322	55.574	ug/ml
21)	T Benzo[g,h,i]perylene ...	18.740	6313347	52.834	ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

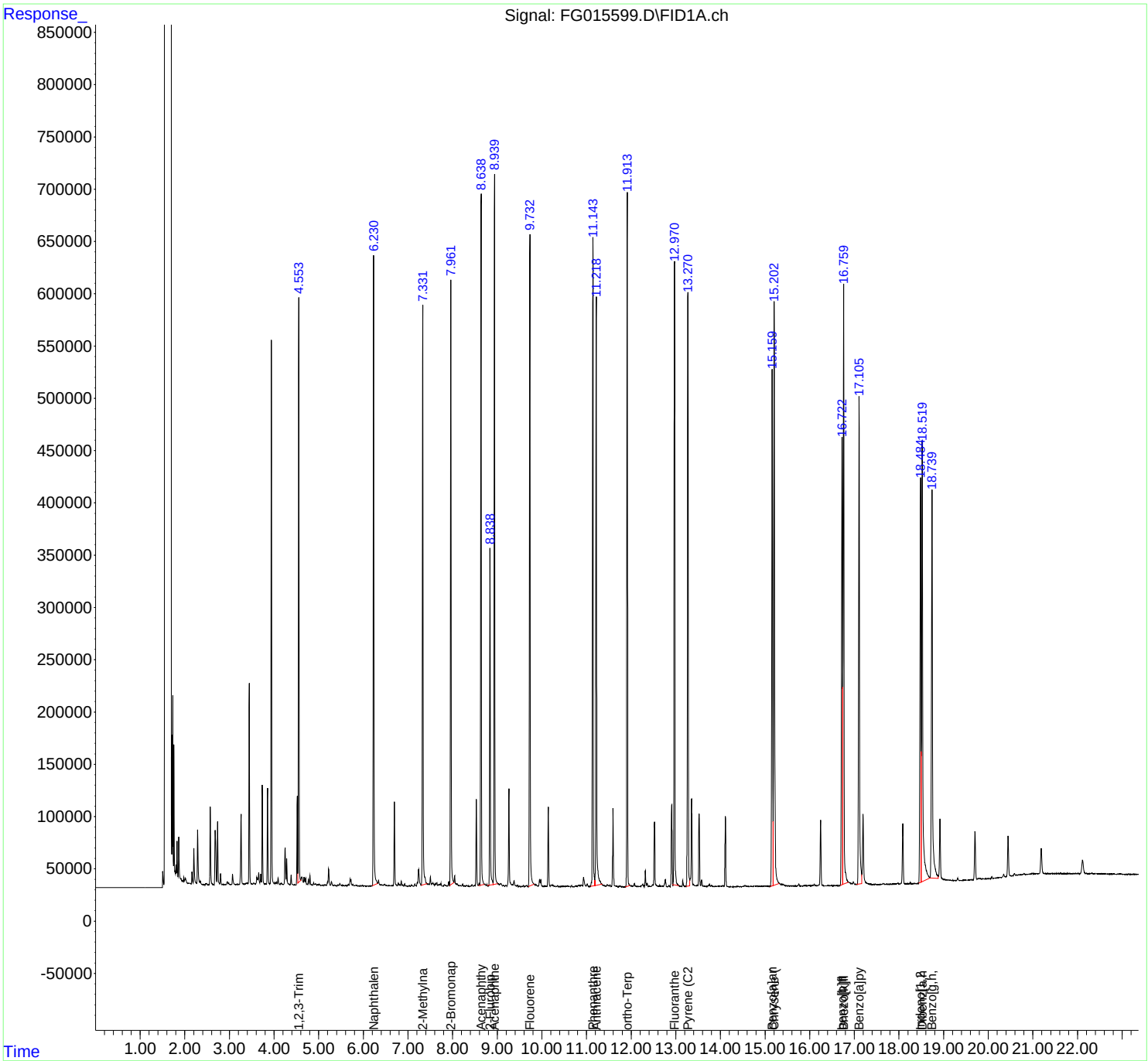
Quantitation Report (QT Reviewed)

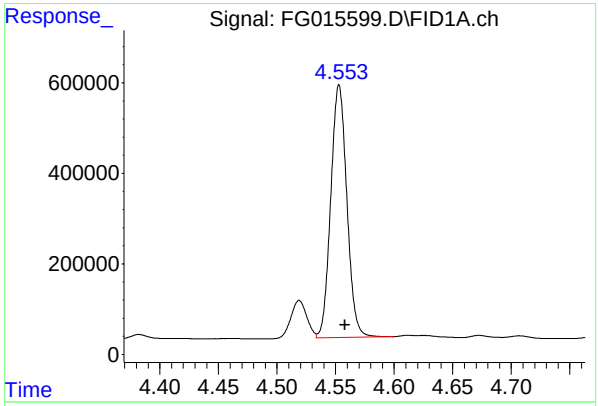
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015599.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:58
Operator : YP\AJ
Sample : Q1664-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS

Integration File: autoint1.e
Quant Time: Apr 02 01:16:44 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

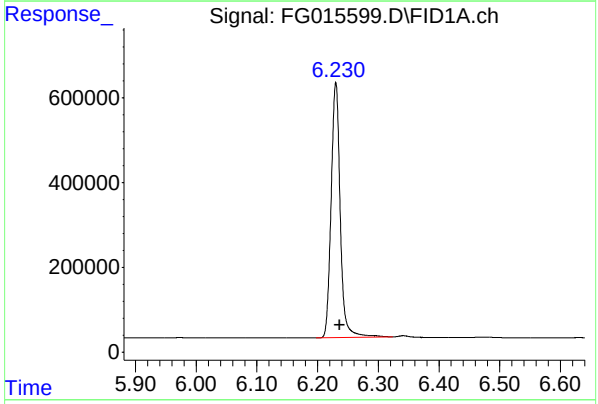




#1 1,2,3-Trimethylbenzene (C10.1)

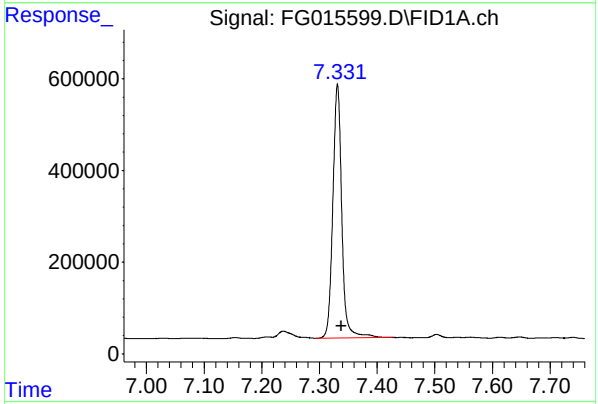
R.T.: 4.553 min
Delta R.T.: -0.005 min
Response: 5348355
Conc: 40.25 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



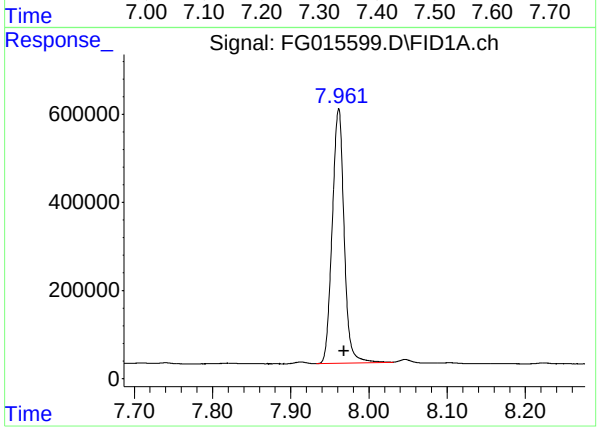
#2 Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: -0.007 min
Response: 6270201
Conc: 46.41 ug/ml



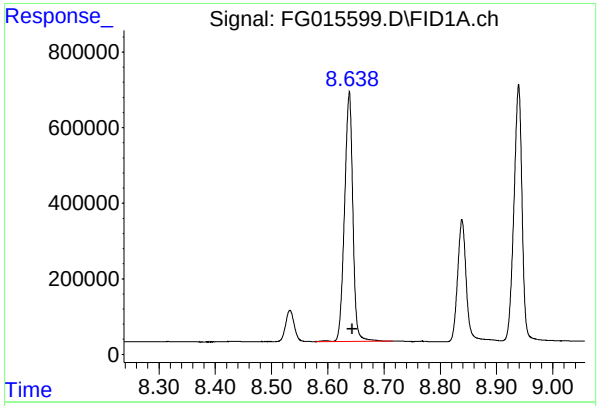
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.007 min
Response: 5981182
Conc: 44.84 ug/ml



#4 2-Bromonaphthalene (SURR)

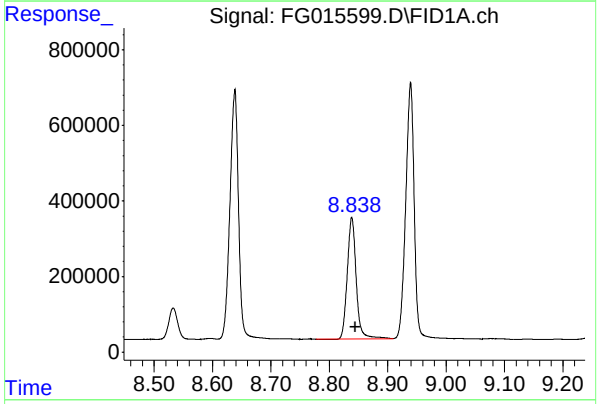
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 6103825
Conc: 49.97 ug/ml



#5 Acenaphthylene (C15.06)

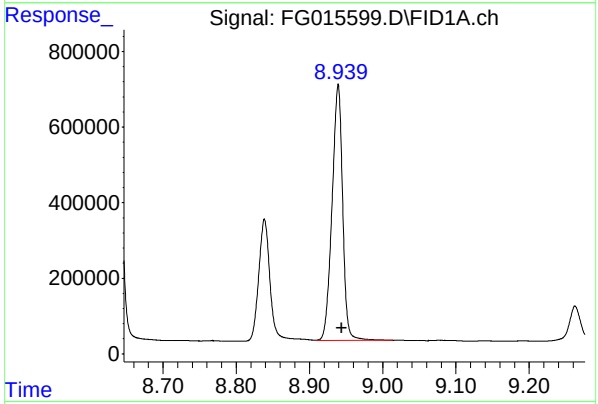
R.T.: 8.638 min
Delta R.T.: -0.006 min
Response: 6761375
Conc: 47.74 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



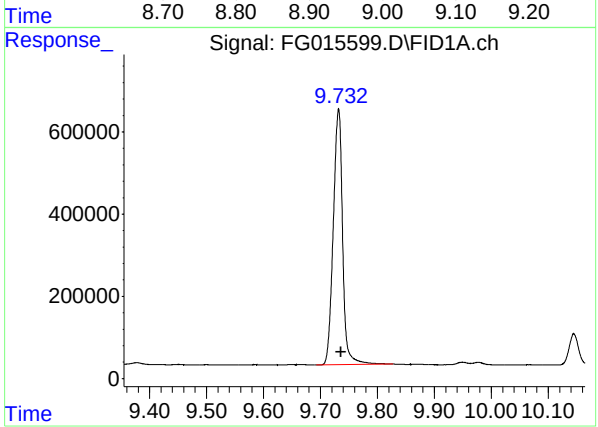
#6 2-Flurobiphenyl (SURR)

R.T.: 8.839 min
Delta R.T.: -0.006 min
Response: 3449498
Conc: 41.73 ug/ml



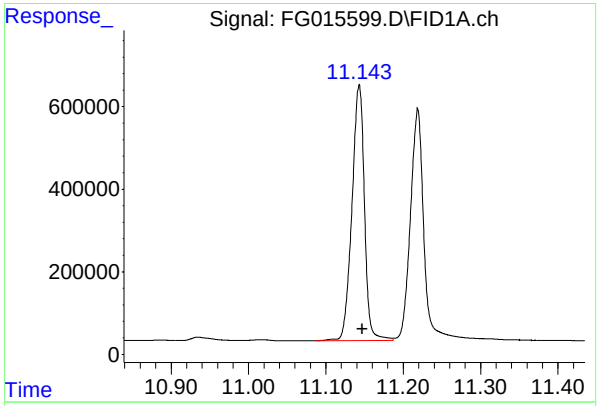
#7 Acenaphthene (C15.5)

R.T.: 8.939 min
Delta R.T.: -0.005 min
Response: 6827836
Conc: 50.05 ug/ml



#8 Flouorene (C16.55)

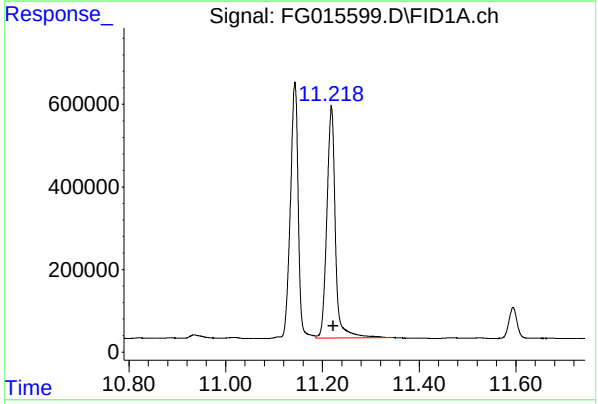
R.T.: 9.732 min
Delta R.T.: -0.005 min
Response: 7108247
Conc: 50.92 ug/ml



#9 Phenanthrene (C19.36)

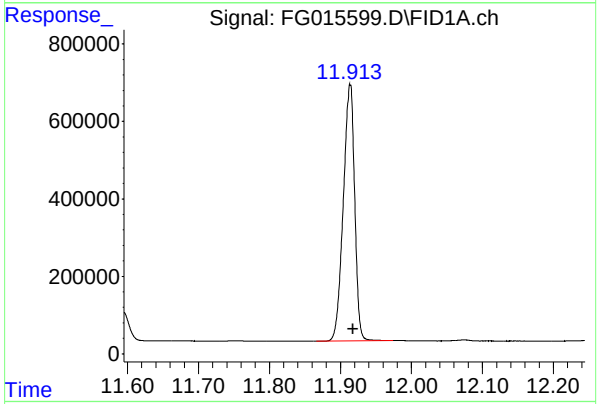
R.T.: 11.143 min
Delta R.T.: -0.004 min
Response: 6947489
Conc: 49.31 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



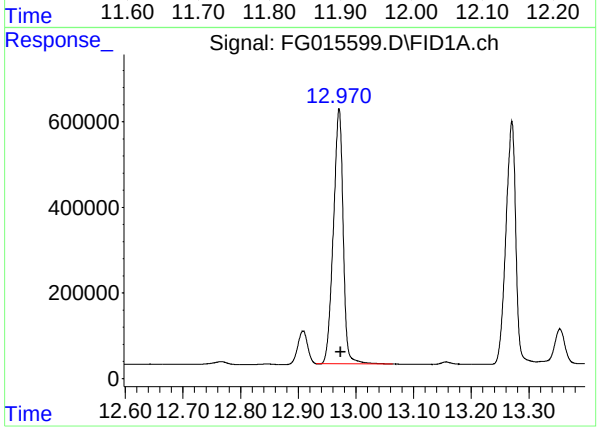
#10 Anthracene (C19.43)

R.T.: 11.219 min
Delta R.T.: -0.004 min
Response: 6814746
Conc: 49.80 ug/ml



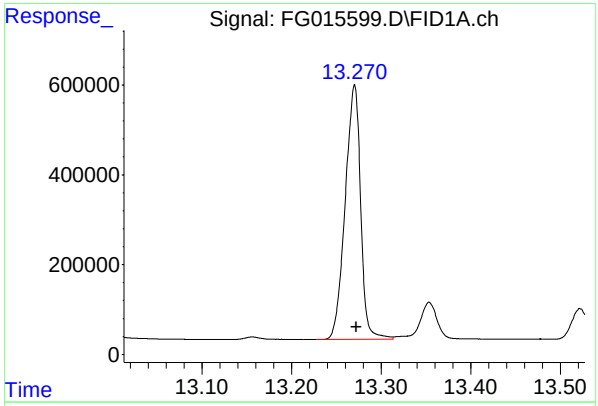
#11 ortho-Terphenyl (SURR)

R.T.: 11.913 min
Delta R.T.: -0.004 min
Response: 7392503
Conc: 50.69 ug/ml



#12 Fluoranthene (C21.85)

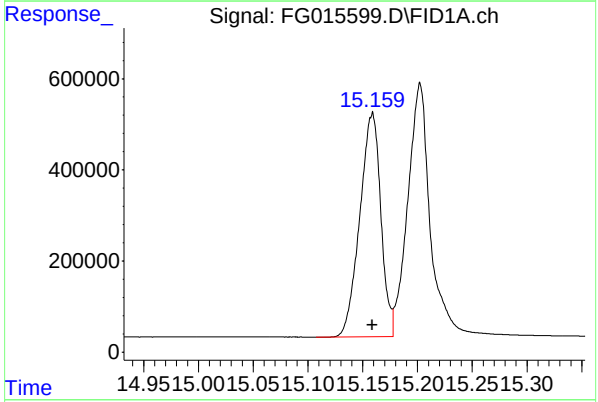
R.T.: 12.971 min
Delta R.T.: -0.003 min
Response: 7018075
Conc: 49.21 ug/ml



#13 Pyrene (C20.8)

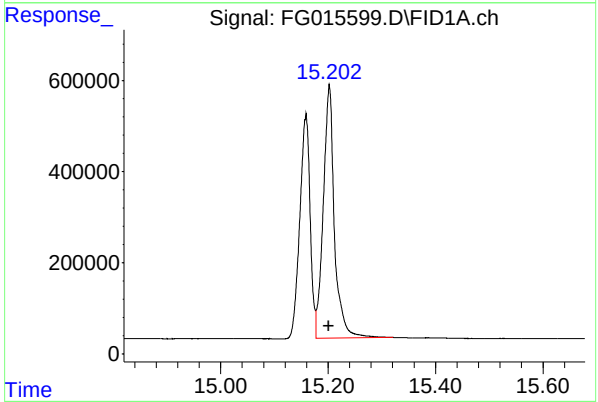
R.T.: 13.270 min
Delta R.T.: -0.003 min
Response: 6796393
Conc: 48.44 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



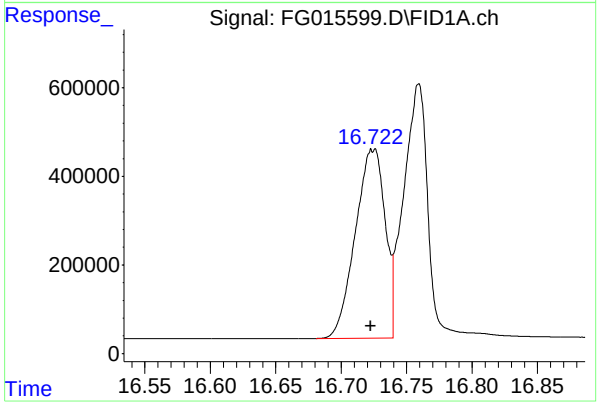
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.000 min
Response: 6557048
Conc: 48.34 ug/ml



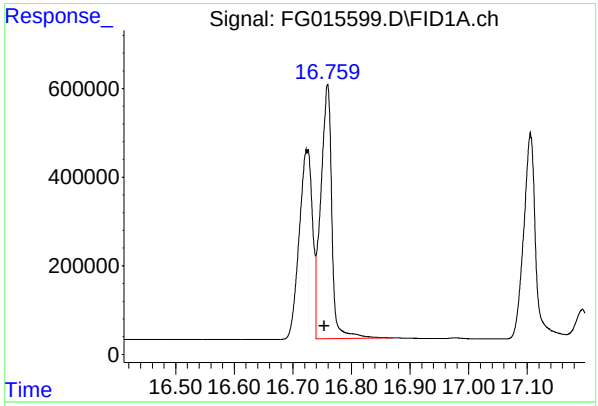
#15 Chrysene (C27.41)

R.T.: 15.202 min
Delta R.T.: 0.000 min
Response: 8024039
Conc: 57.32 ug/ml



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

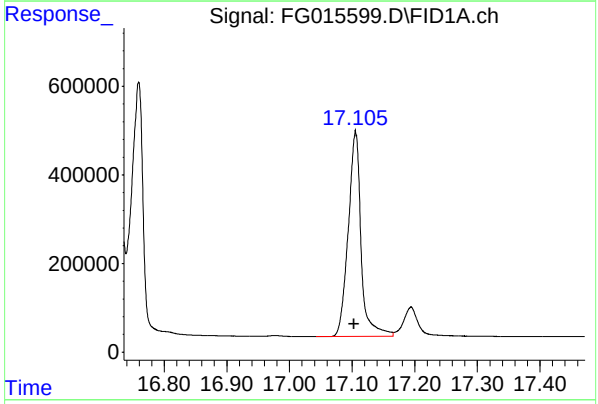
R.T.: 16.724 min
Delta R.T.: 0.002 min
Response: 6750614
Conc: 51.09 ug/ml



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

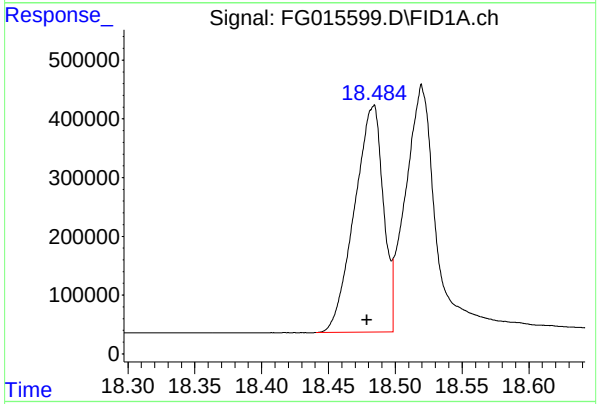
R.T.: 16.759 min
Delta R.T.: 0.005 min
Response: 7527960
Conc: 55.13 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS



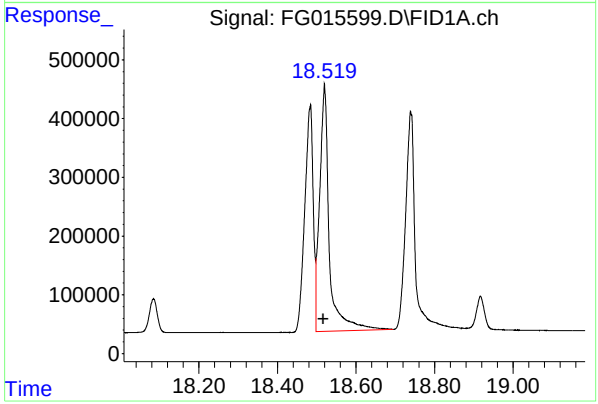
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.105 min
Delta R.T.: 0.002 min
Response: 6600303
Conc: 52.63 ug/ml



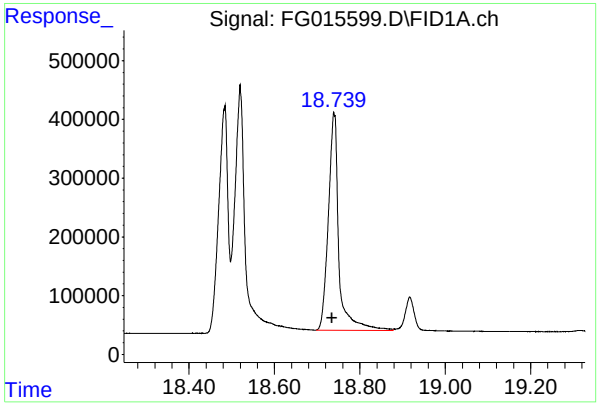
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.483 min
Delta R.T.: 0.004 min
Response: 5786670
Conc: 52.01 ug/ml



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

R.T.: 18.520 min
Delta R.T.: 0.003 min
Response: 7151322
Conc: 55.57 ug/ml



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

R.T.: 18.740 min
Delta R.T.: 0.005 mi
Response: 6313347
Conc: 52.83 ug/m

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MS

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015599.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 17:58
Sample : Q1664-05
Misc :
ALS Vial : 27 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	4.382	4.363	4.436	PV	9364	95201	1.15%	0.059%
2	4.462	4.436	4.492	VV	453	5528	0.07%	0.003%
3	4.519	4.492	4.534	PV	85104	815726	9.87%	0.506%
4	4.553	4.534	4.599	VV	561350	5472655	66.22%	3.395%
5	4.611	4.599	4.619	VV	7688	81267	0.98%	0.050%
6	4.625	4.619	4.657	VV	7485	118397	1.43%	0.073%
7	4.673	4.657	4.692	VV	7755	103667	1.25%	0.064%
8	4.707	4.692	4.731	VV	6853	90146	1.09%	0.056%
9	4.745	4.731	4.752	VV	1006	11876	0.14%	0.007%
10	4.771	4.752	4.786	VV	5637	64307	0.78%	0.040%
11	4.804	4.786	4.853	VV	9443	113573	1.37%	0.070%
12	4.885	4.853	4.901	VV	2487	31349	0.38%	0.019%
13	4.910	4.901	4.918	VV	1160	10989	0.13%	0.007%
14	4.931	4.918	4.964	VV	1676	27710	0.34%	0.017%
15	4.979	4.964	4.999	VV	762	11104	0.13%	0.007%
16	5.015	4.999	5.051	VV	934	13617	0.16%	0.008%
17	5.074	5.051	5.098	VV	294	4697	0.06%	0.003%
18	5.136	5.098	5.163	VV	1006	18101	0.22%	0.011%
19	5.198	5.163	5.205	VV	3711	40659	0.49%	0.025%
20	5.223	5.205	5.259	VV	16207	209226	2.53%	0.130%
21	5.288	5.259	5.329	VV	3780	58364	0.71%	0.036%
22	5.346	5.329	5.351	VV	459	4431	0.05%	0.003%
23	5.360	5.351	5.391	VV	437	5036	0.06%	0.003%
24	5.432	5.413	5.451	VV	1073	11772	0.14%	0.007%
25	5.473	5.451	5.507	VV	1826	30094	0.36%	0.019%
26	5.512	5.507	5.519	VV	330	2002	0.02%	0.001%
27	5.523	5.519	5.568	VV	384	5693	0.07%	0.004%
28	5.593	5.579	5.606	VV	338	3036	0.04%	0.002%
29	5.623	5.606	5.644	VV	516	5583	0.07%	0.003%
30	5.662	5.644	5.684	PV	1690	21490	0.26%	0.013%
31	5.705	5.684	5.715	VV	6534	69347	0.84%	0.043%
32	5.723	5.715	5.752	VV	5826	67076	0.81%	0.042%
33	5.766	5.752	5.793	VV	1717	21459	0.26%	0.013%
34	5.809	5.793	5.820	VV	524	6516	0.08%	0.004%
35	5.834	5.820	5.849	VV	879	11483	0.14%	0.007%
36	5.855	5.849	5.889	VV	653	7105	0.09%	0.004%

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37	5.925	5.889	5.946	PV	465	6850	0.08%	0.004%
38	5.974	5.946	5.996	VV	818	10019	0.12%	0.006%
39	6.012	5.996	6.019	VV	190	1692	0.02%	0.001%
40	6.035	6.019	6.088	VV	310	4785	0.06%	0.003%
41	6.141	6.125	6.145	PV	174	1343	0.02%	0.001%
42	6.156	6.145	6.172	VV	237	3237	0.04%	0.002%
43	6.230	6.172	6.324	VV	602973	6385995	77.27%	3.961%
44	6.341	6.324	6.392	VV	5453	108843	1.32%	0.068%
45	6.408	6.392	6.437	VV	1443	33415	0.40%	0.021%
46	6.478	6.437	6.514	VV	2030	59328	0.72%	0.037%
47	6.522	6.514	6.534	VV	708	8223	0.10%	0.005%
48	6.540	6.534	6.547	VV	722	5262	0.06%	0.003%
49	6.550	6.547	6.577	VV	623	9669	0.12%	0.006%
50	6.581	6.577	6.612	VV	523	8844	0.11%	0.005%
51	6.632	6.612	6.667	VV	869	20693	0.25%	0.013%
52	6.697	6.667	6.764	VV	80966	900922	10.90%	0.559%
53	6.785	6.764	6.806	VV	3248	46786	0.57%	0.029%
54	6.820	6.806	6.834	VV	1959	22141	0.27%	0.014%
55	6.851	6.834	6.872	VV	5012	59032	0.71%	0.037%
56	6.885	6.872	6.907	VV	1514	17280	0.21%	0.011%
57	6.927	6.907	6.944	VV	2687	28809	0.35%	0.018%
58	6.956	6.944	6.992	VV	714	10754	0.13%	0.007%
59	7.028	6.992	7.052	VV	615	12869	0.16%	0.008%
60	7.084	7.052	7.133	VV	1053	24616	0.30%	0.015%
61	7.154	7.133	7.169	PV	2234	24528	0.30%	0.015%
62	7.175	7.169	7.187	VV	783	7149	0.09%	0.004%
63	7.209	7.187	7.218	VV	3824	43716	0.53%	0.027%
64	7.237	7.218	7.295	VV	16401	312124	3.78%	0.194%
65	7.331	7.295	7.435	VV	554964	6133126	74.21%	3.805%
66	7.444	7.435	7.460	VV	2705	35484	0.43%	0.022%
67	7.475	7.460	7.484	VV	2551	31941	0.39%	0.020%
68	7.503	7.484	7.525	VV	9320	123492	1.49%	0.077%
69	7.539	7.525	7.549	VV	2822	37758	0.46%	0.023%
70	7.562	7.549	7.597	VV	3296	62370	0.75%	0.039%
71	7.613	7.597	7.628	VV	3172	40051	0.48%	0.025%
72	7.648	7.628	7.668	VV	3654	54783	0.66%	0.034%
73	7.683	7.668	7.694	VV	1727	21707	0.26%	0.013%
74	7.709	7.694	7.725	VV	2310	33861	0.41%	0.021%
75	7.740	7.725	7.770	VV	2825	36602	0.44%	0.023%
76	7.821	7.770	7.838	VV	1814	36731	0.44%	0.023%
77	7.846	7.838	7.875	VV	1090	17124	0.21%	0.011%
78	7.882	7.875	7.892	VV	542	4833	0.06%	0.003%
79	7.913	7.892	7.932	VV	4584	53131	0.64%	0.033%
80	7.961	7.932	8.031	VV	578630	6246438	75.58%	3.875%
81	8.046	8.031	8.091	VV	10296	171266	2.07%	0.106%
82	8.104	8.091	8.160	VV	2811	60958	0.74%	0.038%
83	8.176	8.160	8.203	VV	1093	18259	0.22%	0.011%
84	8.224	8.203	8.249	VV	2447	32639	0.39%	0.020%
85	8.254	8.249	8.271	VV	660	7117	0.09%	0.004%
86	8.282	8.271	8.294	VV	642	6870	0.08%	0.004%
87	8.316	8.294	8.342	VV	1029	19614	0.24%	0.012%
88	8.359	8.342	8.379	VV	585	8274	0.10%	0.005%
89	8.386	8.379	8.391	VV	161	1000	0.01%	0.001%

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90	8.434	8.391	8.462	VV	1627	33908	0.41%	0.021%
91	8.495	8.462	8.507	VV	1040	21589	0.26%	0.013%
92	8.533	8.507	8.577	VV	83680	913168	11.05%	0.566%
93	8.596	8.577	8.608	VV	3338	40850	0.49%	0.025%
94	8.638	8.608	8.716	VV	665529	6843696	82.81%	4.245%
95	8.726	8.716	8.752	VV	2508	40810	0.49%	0.025%
96	8.767	8.752	8.790	VV	1907	28049	0.34%	0.017%
97	8.839	8.790	8.909	VV	323159	3563518	43.12%	2.211%
98	8.939	8.909	9.014	VV	680218	6981137	84.47%	4.331%
99	9.023	9.014	9.040	VV	2982	43203	0.52%	0.027%
100	9.046	9.040	9.060	VV	2448	27011	0.33%	0.017%
101	9.076	9.060	9.120	VV	2896	74324	0.90%	0.046%
102	9.140	9.120	9.171	VV	1529	28227	0.34%	0.018%
103	9.190	9.171	9.215	VV	1376	24210	0.29%	0.015%
104	9.263	9.215	9.331	VV	93726	1117412	13.52%	0.693%
105	9.342	9.331	9.348	VV	1924	18079	0.22%	0.011%
106	9.378	9.348	9.408	VV	5800	106098	1.28%	0.066%
107	9.417	9.408	9.434	VV	1048	13622	0.16%	0.008%
108	9.450	9.434	9.484	VV	1474	21573	0.26%	0.013%
109	9.500	9.484	9.531	VV	875	10967	0.13%	0.007%
110	9.544	9.531	9.548	VV	323	2120	0.03%	0.001%
111	9.553	9.548	9.566	VV	392	3305	0.04%	0.002%
112	9.585	9.566	9.624	VV	815	14691	0.18%	0.009%
113	9.647	9.624	9.658	PV	949	11011	0.13%	0.007%
114	9.667	9.658	9.698	VV	993	11876	0.14%	0.007%
115	9.732	9.698	9.854	VV	624031	7242280	87.63%	4.493%
116	9.871	9.854	9.914	VV	2182	48283	0.58%	0.030%
117	9.949	9.914	9.964	VV	7012	102695	1.24%	0.064%
118	9.977	9.964	10.037	VV	6759	97985	1.19%	0.061%
119	10.067	10.037	10.115	VV	868	23227	0.28%	0.014%
120	10.145	10.115	10.186	VV	76630	884403	10.70%	0.549%
121	10.214	10.186	10.236	VV	1735	42616	0.52%	0.026%
122	10.252	10.236	10.289	VV	1483	29510	0.36%	0.018%
123	10.295	10.289	10.306	VV	540	4690	0.06%	0.003%
124	10.307	10.306	10.332	VV	472	5779	0.07%	0.004%
125	10.349	10.332	10.386	VV	1067	14385	0.17%	0.009%
126	10.424	10.404	10.440	VV	468	6031	0.07%	0.004%
127	10.469	10.440	10.487	VV	892	15046	0.18%	0.009%
128	10.495	10.487	10.503	VV	394	3382	0.04%	0.002%
129	10.522	10.503	10.527	VV	508	5280	0.06%	0.003%
130	10.544	10.527	10.557	VV	951	11084	0.13%	0.007%
131	10.577	10.557	10.599	VV	957	15940	0.19%	0.010%
132	10.610	10.599	10.620	VV	579	6182	0.07%	0.004%
133	10.626	10.620	10.647	VV	608	7245	0.09%	0.004%
134	10.665	10.647	10.685	VV	1309	15881	0.19%	0.010%
135	10.701	10.685	10.724	VV	303	4831	0.06%	0.003%
136	10.750	10.724	10.764	VV	917	14854	0.18%	0.009%
137	10.774	10.764	10.799	VV	961	15919	0.19%	0.010%
138	10.821	10.799	10.857	VV	1747	43656	0.53%	0.027%
139	10.885	10.857	10.914	VV	1980	47606	0.58%	0.030%
140	10.935	10.914	10.989	VV	9183	182067	2.20%	0.113%
141	11.018	10.989	11.042	VV	3000	52520	0.64%	0.033%

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142	11.049	11.042	11.067	VV	570	6931	0.08%	0.004%
143	11.084	11.067	11.089	VV	724	7755	0.09%	0.005%
144	11.143	11.089	11.188	VV	617723	7010557	84.82%	4.349%
145	11.219	11.188	11.437	VV	563259	7076378	85.62%	4.390%
146	11.465	11.437	11.508	VV	2103	57841	0.70%	0.036%
147	11.525	11.508	11.556	VV	1910	33433	0.40%	0.021%
148	11.594	11.556	11.653	VV	75414	918658	11.12%	0.570%
149	11.672	11.653	11.730	VV	1085	28631	0.35%	0.018%
150	11.751	11.730	11.779	VV	1359	18040	0.22%	0.011%
151	11.787	11.779	11.802	VV	296	3434	0.04%	0.002%
152	11.809	11.802	11.820	VV	305	2652	0.03%	0.002%
153	11.822	11.820	11.846	VV	270	2330	0.03%	0.001%
154	11.914	11.867	11.974	PV	663335	7445865	90.09%	4.619%
155	11.982	11.974	12.044	VV	1869	45519	0.55%	0.028%
156	12.074	12.044	12.102	VV	3420	58807	0.71%	0.036%
157	12.107	12.102	12.124	VV	730	7932	0.10%	0.005%
158	12.146	12.124	12.177	VV	667	17289	0.21%	0.011%
159	12.195	12.177	12.202	VV	525	6755	0.08%	0.004%
160	12.257	12.202	12.293	VV	2477	67327	0.81%	0.042%
161	12.318	12.293	12.341	VV	15821	197208	2.39%	0.122%
162	12.357	12.341	12.387	VV	3670	52628	0.64%	0.033%
163	12.399	12.387	12.411	VV	892	11178	0.14%	0.007%
164	12.424	12.411	12.447	VV	789	12656	0.15%	0.008%
165	12.484	12.447	12.495	VV	2190	40934	0.50%	0.025%
166	12.523	12.495	12.602	VV	62342	810462	9.81%	0.503%
167	12.605	12.602	12.627	VV	786	10666	0.13%	0.007%
168	12.643	12.627	12.660	VV	1418	15659	0.19%	0.010%
169	12.675	12.660	12.713	VV	919	25612	0.31%	0.016%
170	12.767	12.713	12.819	VV	7117	135180	1.64%	0.084%
171	12.845	12.819	12.873	VV	1480	22861	0.28%	0.014%
172	12.909	12.873	12.937	VV	78156	952821	11.53%	0.591%
173	12.971	12.937	13.103	VV	598830	7180859	86.88%	4.455%
174	13.112	13.103	13.132	VV	909	12590	0.15%	0.008%
175	13.156	13.132	13.218	VV	6399	101610	1.23%	0.063%
176	13.270	13.218	13.314	VV	568555	6845294	82.82%	4.246%
177	13.354	13.314	13.443	VV	83687	1208416	14.62%	0.750%
178	13.448	13.443	13.454	VV	1094	7015	0.08%	0.004%
179	13.478	13.454	13.491	VV	1695	30048	0.36%	0.019%
180	13.522	13.491	13.556	VV	69199	895769	10.84%	0.556%
181	13.577	13.556	13.617	VV	6645	106983	1.29%	0.066%
182	13.633	13.617	13.651	VV	819	14290	0.17%	0.009%
183	13.659	13.651	13.691	VV	827	15052	0.18%	0.009%
184	13.753	13.691	13.777	VV	2965	65033	0.79%	0.040%
185	13.811	13.777	13.837	VV	1303	35206	0.43%	0.022%
186	13.861	13.837	13.887	VV	620	13965	0.17%	0.009%
187	13.904	13.887	13.913	VV	633	7761	0.09%	0.005%
188	13.931	13.913	13.942	VV	671	10184	0.12%	0.006%
189	13.961	13.942	13.966	VV	808	9637	0.12%	0.006%
190	13.984	13.966	14.005	VV	1095	19555	0.24%	0.012%
191	14.022	14.005	14.030	VV	680	9026	0.11%	0.006%
192	14.057	14.030	14.078	VV	1472	27038	0.33%	0.017%
193	14.110	14.078	14.189	VV	67344	894063	10.82%	0.555%
194	14.195	14.189	14.198	VV	312	1477	0.02%	0.001%

195	14.209	14.198	14.233	VV	339	5367	0.06%	0.003%
196	14.240	14.233	14.245	VV	192	1144	0.01%	0.001%
197	14.249	14.245	14.277	VV	187	1904	0.02%	0.001%
198	14.311	14.307	14.319	VV	196	1079	0.01%	0.001%
199	14.334	14.319	14.347	VV	273	3462	0.04%	0.002%
200	14.376	14.347	14.394	VV	453	9874	0.12%	0.006%
201	14.397	14.394	14.431	VV	385	6021	0.07%	0.004%
202	14.447	14.431	14.464	VV	373	5415	0.07%	0.003%
203	14.467	14.464	14.472	VV	278	1039	0.01%	0.001%
204	14.478	14.472	14.489	VV	241	2256	0.03%	0.001%
205	14.511	14.489	14.529	VV	625	10526	0.13%	0.007%
206	14.551	14.529	14.569	VV	1458	22056	0.27%	0.014%
207	14.574	14.569	14.625	VV	556	15128	0.18%	0.009%
208	14.642	14.625	14.666	VV	420	8744	0.11%	0.005%
209	14.677	14.666	14.708	VV	701	10520	0.13%	0.007%
210	14.713	14.708	14.718	VV	201	1064	0.01%	0.001%
211	14.757	14.718	14.762	VV	652	11256	0.14%	0.007%
212	14.768	14.762	14.776	VV	613	4505	0.05%	0.003%
213	14.779	14.776	14.794	VV	567	5495	0.07%	0.003%
214	14.818	14.794	14.824	VV	642	10263	0.12%	0.006%
215	14.826	14.824	14.865	VV	597	11264	0.14%	0.007%
216	14.871	14.865	14.875	VV	482	2135	0.03%	0.001%
217	14.878	14.875	14.904	VV	396	5047	0.06%	0.003%
218	14.927	14.904	14.959	VV	508	10597	0.13%	0.007%
219	14.984	14.959	14.989	VV	676	8840	0.11%	0.005%
220	14.996	14.989	15.012	VV	693	7982	0.10%	0.005%
221	15.024	15.012	15.042	VV	697	9418	0.11%	0.006%
222	15.056	15.042	15.083	VV	582	9139	0.11%	0.006%
223	15.087	15.083	15.113	VV	200	1822	0.02%	0.001%
224	15.159	15.113	15.177	PV	493040	6570643	79.50%	4.076%
225	15.202	15.177	15.367	VV	558718	8264829	100.00%	5.127%
226	15.387	15.367	15.402	VV	2145	38535	0.47%	0.024%
227	15.407	15.402	15.466	VV	1853	42858	0.52%	0.027%
228	15.475	15.466	15.505	VV	629	12322	0.15%	0.008%
229	15.521	15.505	15.579	VV	662	18225	0.22%	0.011%
230	15.582	15.579	15.591	VV	263	1850	0.02%	0.001%
231	15.611	15.591	15.616	VV	285	3639	0.04%	0.002%
232	15.637	15.616	15.644	VV	442	4762	0.06%	0.003%
233	15.646	15.644	15.659	VV	338	2366	0.03%	0.001%
234	15.664	15.659	15.672	VV	284	1684	0.02%	0.001%
235	15.680	15.672	15.722	VV	375	9710	0.12%	0.006%
236	15.754	15.722	15.800	VV	2181	39487	0.48%	0.024%
237	15.806	15.800	15.821	VV	217	1819	0.02%	0.001%
238	15.876	15.829	15.906	VV	511	14297	0.17%	0.009%
239	15.914	15.906	15.929	VV	553	5624	0.07%	0.003%
240	15.950	15.929	15.959	VV	571	8381	0.10%	0.005%
241	15.974	15.959	16.016	VV	716	17099	0.21%	0.011%
242	16.054	16.016	16.066	VV	600	13138	0.16%	0.008%
243	16.070	16.066	16.078	VV	580	3749	0.05%	0.002%
244	16.095	16.078	16.132	VV	1283	28965	0.35%	0.018%
245	16.135	16.132	16.171	VV	548	8010	0.10%	0.005%
246	16.202	16.171	16.210	VV	1013	12851	0.16%	0.008%

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247	16.243	16.210	16.276	VV	62885	843150	10.20%	0.523%
248	16.293	16.276	16.331	VV	800	13424	0.16%	0.008%
249	16.340	16.331	16.353	VV	171	1389	0.02%	0.001%
250	16.407	16.382	16.424	VV	453	5957	0.07%	0.004%
251	16.437	16.424	16.459	VV	351	4240	0.05%	0.003%
252	16.502	16.459	16.569	VV	176	4188	0.05%	0.003%
253	16.623	16.595	16.648	VV	156	2681	0.03%	0.002%
254	16.724	16.648	16.740	VV	422255	6775933	81.99%	4.203%
255	16.759	16.740	16.957	VV	576011	7816678	94.58%	4.849%
256	16.977	16.957	17.052	VV	3190	87557	1.06%	0.054%
257	17.105	17.052	17.165	VV	465018	6680506	80.83%	4.144%
258	17.194	17.165	17.462	VV	67906	1261861	15.27%	0.783%
259	17.480	17.462	17.504	VV	479	9173	0.11%	0.006%
260	17.512	17.504	17.569	VV	364	9354	0.11%	0.006%
261	17.646	17.569	17.710	VV	1163	32014	0.39%	0.020%
262	17.747	17.710	17.769	VV	298	8544	0.10%	0.005%
263	17.785	17.769	17.798	VV	178	2689	0.03%	0.002%
264	17.893	17.798	17.919	VV	407	18138	0.22%	0.011%
265	17.976	17.919	18.016	VV	952	27334	0.33%	0.017%
266	18.084	18.016	18.126	VV	57610	827751	10.02%	0.513%
267	18.149	18.126	18.187	VV	315	8739	0.11%	0.005%
268	18.255	18.187	18.269	VV	561	11994	0.15%	0.007%
269	18.279	18.269	18.332	VV	240	3141	0.04%	0.002%
270	18.363	18.332	18.388	PV	208	4015	0.05%	0.002%
271	18.419	18.388	18.436	PV	136	2181	0.03%	0.001%
272	18.483	18.436	18.498	PV	382857	5807087	70.26%	3.602%
273	18.520	18.498	18.694	VV	419600	7412572	89.69%	4.598%
274	18.740	18.694	18.877	VV	374155	6600739	79.87%	4.095%
275	18.917	18.877	19.001	VBA	58377	893039	10.81%	0.554%

Sum of corrected areas: 161201609

Aromatic EPH 031725.M Wed Apr 02 02:29:13 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
FF015749.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		8.11		0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		9.80		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		10.9		0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		13.5		0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		22.1		1.28	2.18	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-03	Acq On:	28 Mar 2025 19:25
Client Sample ID:	P001-BBDGA-001-01MSD	Operator:	YP\AJ
Data file:	FF015749.D	Misc:	
Instrument:	FID_F	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	14362937	111.804	300	ug/ml
Aliphatic C12-C16	6.834	10.268	17786342	135.14	200	ug/ml
Aliphatic C16-C21	10.269	13.634	20376668	150.521	300	ug/ml
Aliphatic C21-C28	13.635	17.200	24558755	185.66	400	ug/ml
Aliphatic C28-C40	17.201	22.202	32927644	304.471	600	ug/ml
Aliphatic EPH	3.211	22.202	110012346	887.595		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4468306	39.37		ug/ml
Aliphatic C9-C28	3.211	17.200	77084702	583.125	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015749.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 19:25
Operator : YP\AJ
Sample : Q1664-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 01:03:22 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...	13.370	4468306	39.371 ug/mlm
Spiked Amount	50.000		Recovery =	78.74%
	Target Compounds			
1) T	n-Nonane (C9)	3.315	2906253	22.945 ug/ml
2) T	n-Decane (C10)	4.569	3474651	27.058 ug/ml
4) T	n-Dodecane (C12)	6.734	4083474	31.335 ug/ml
6) T	n-Tetradecane (C14)	8.561	4523394	34.928 ug/ml
7) T	n-Hexadecane (C16)	10.169	5122597	38.307 ug/ml
8) T	n-Octadecane (C18)	11.612	5417738	39.343 ug/ml
10) T	n-Eicosane (C20)	12.923	5672497	42.089 ug/ml
11) T	n-Heneicosane (C21)	13.536	5487963	41.063 ug/ml
13) T	n-Docosane (C22)	14.123	5443481	40.678 ug/ml
14) T	n-Tetracosane (C24)	15.227	5459467	40.781 ug/ml
15) T	n-Hexacosane (C26)	16.249	5273412	40.320 ug/ml
16) T	n-Octacosane (C28)	17.199	5462106	41.813 ug/ml
17) T	n-Tricontane (C30)	18.089	5146418	38.163 ug/ml
18) T	n-Dotriacontane (C32)	18.921	4896254	37.547 ug/ml
19) T	n-Tetratriacontane (C34)	19.705	4858876	41.624 ug/ml
20) T	n-Hexatriacontane (C36)	20.445	4581569	46.153 ug/ml
21) T	n-Octatriacontane (C38)	21.183	4423400	50.627 ug/ml
22) T	n-Tetracontane (C40)	22.095	4061240	50.605 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

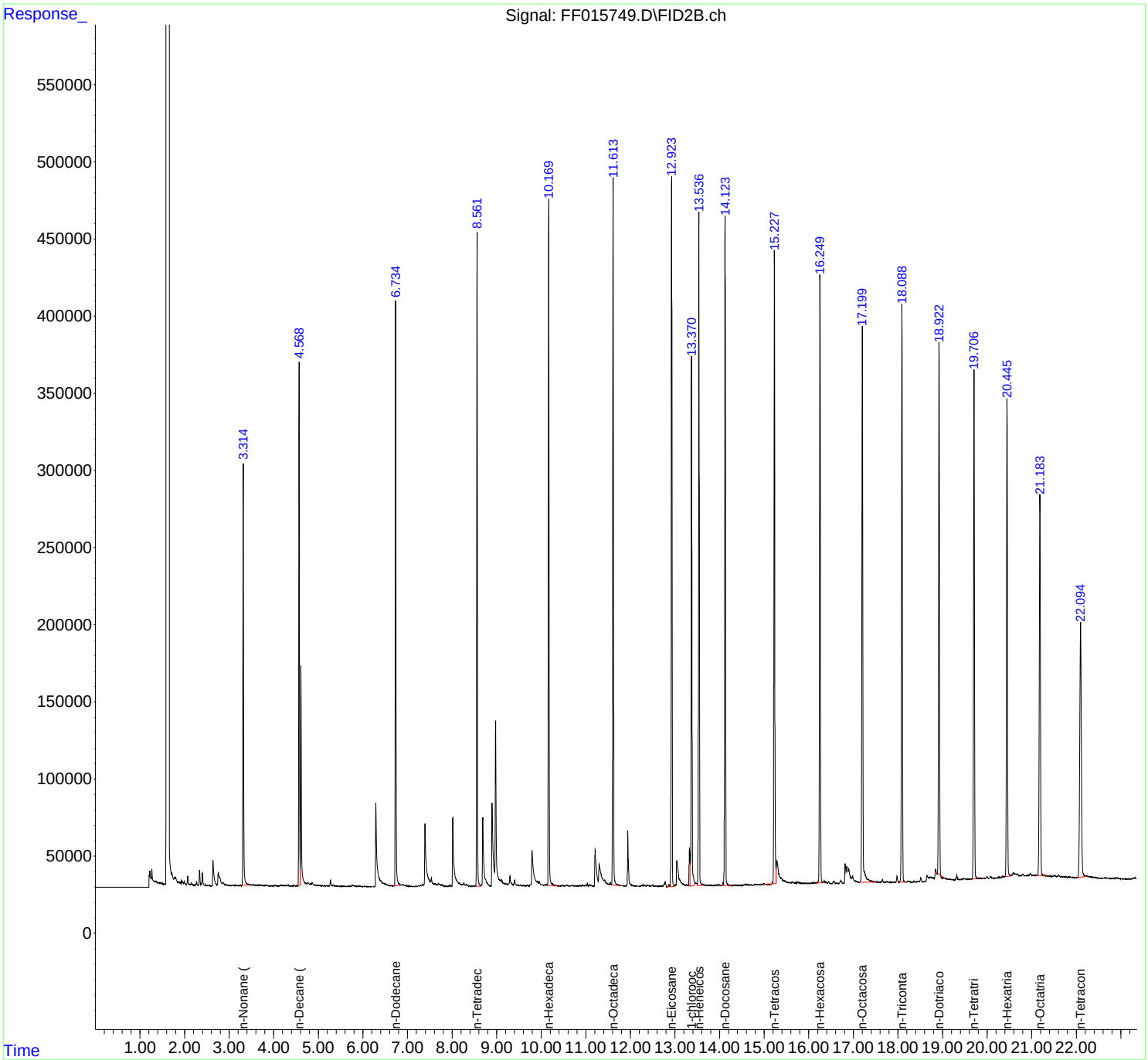
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032825AL\
Data File : FF015749.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 19:25
Operator : YP\AJ
Sample : Q1664-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

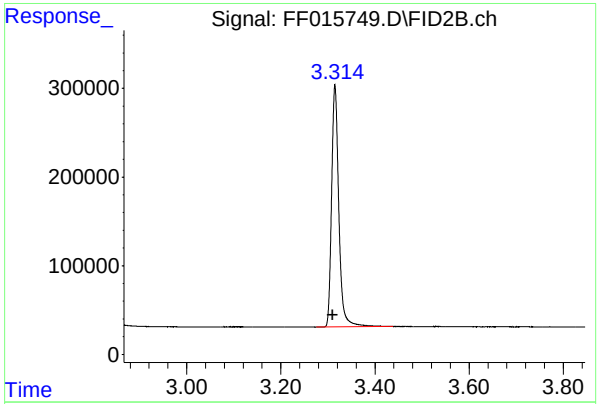
Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 01:03:22 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





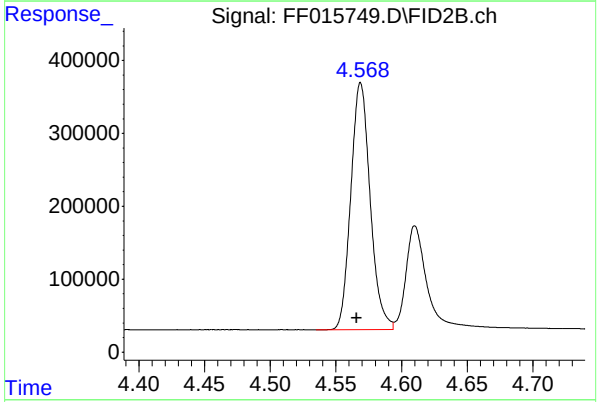
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: 0.005 min
Response: 2906253
Conc: 22.94 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

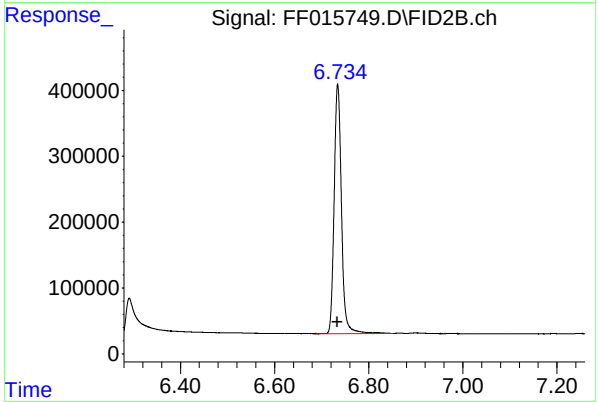
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



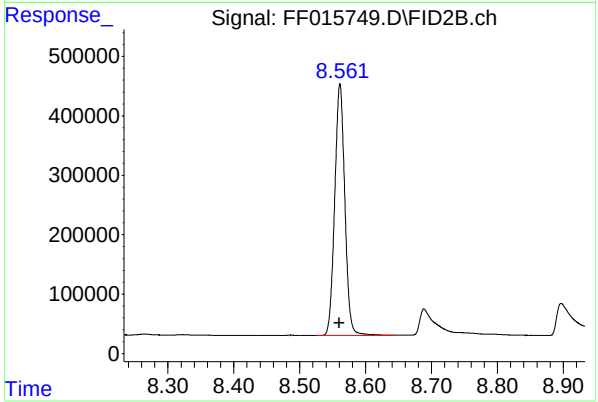
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: 0.003 min
Response: 3474651
Conc: 27.06 ug/ml



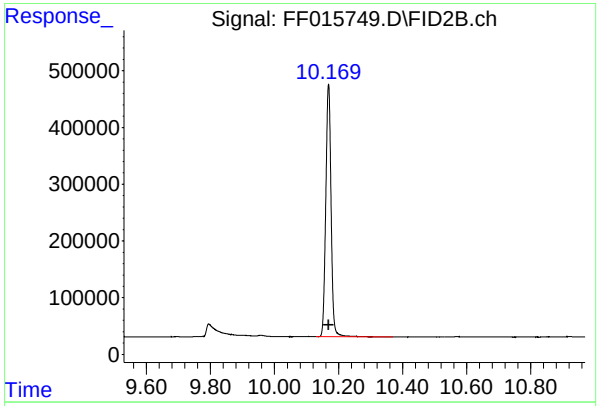
#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.002 min
Response: 4083474
Conc: 31.33 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 4523394
Conc: 34.93 ug/ml



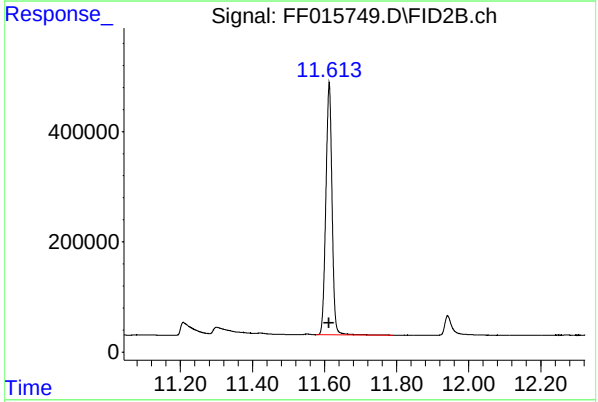
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 5122597
Conc: 38.31 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

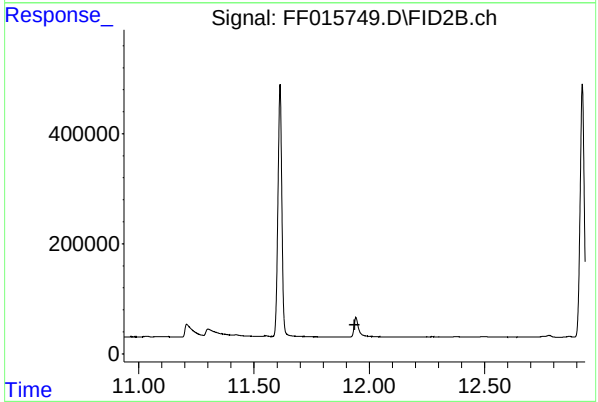
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
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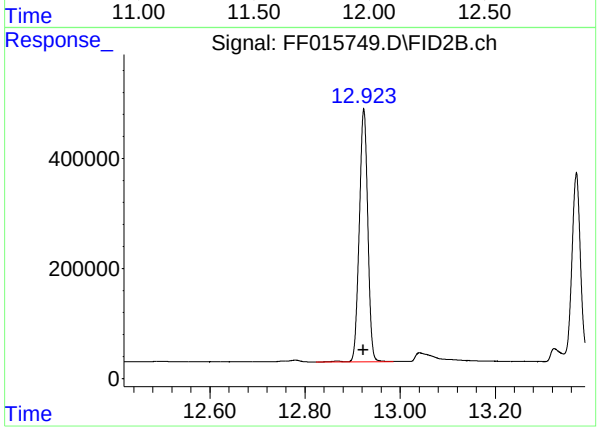
#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 5417738
Conc: 39.34 ug/ml



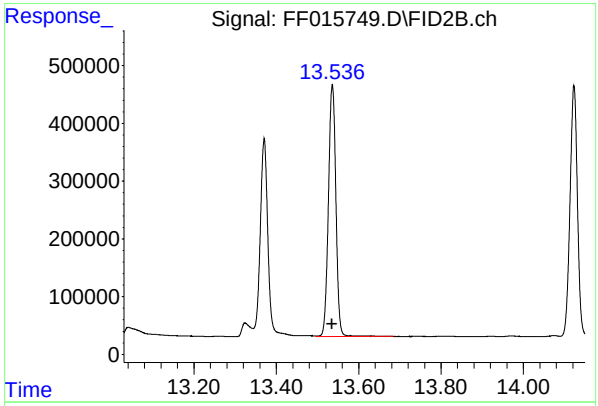
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.000 min
Response: 5672497
Conc: 42.09 ug/ml



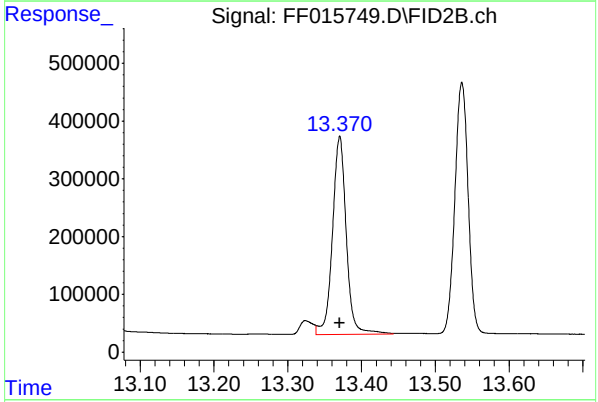
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.000 min
Response: 5487963
Conc: 41.06 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

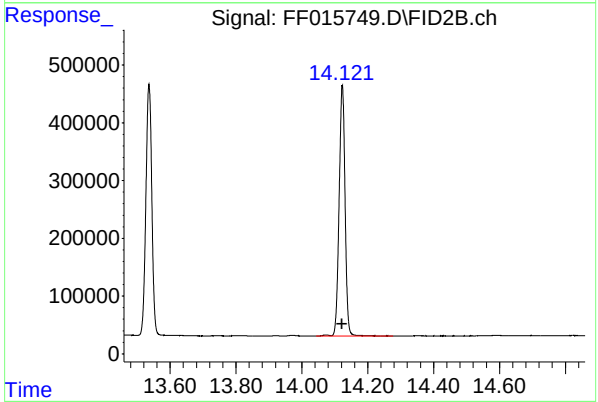
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Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



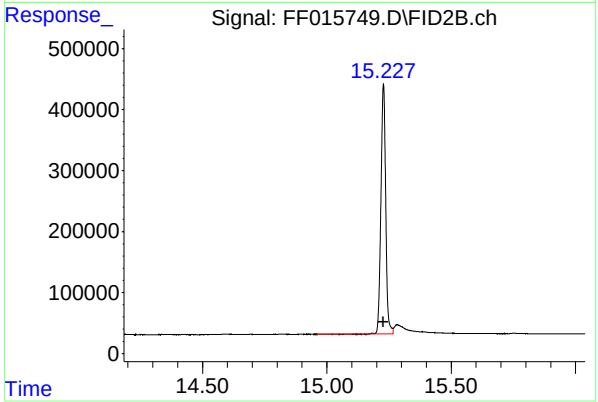
#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 4468306
Conc: 39.37 ug/ml m



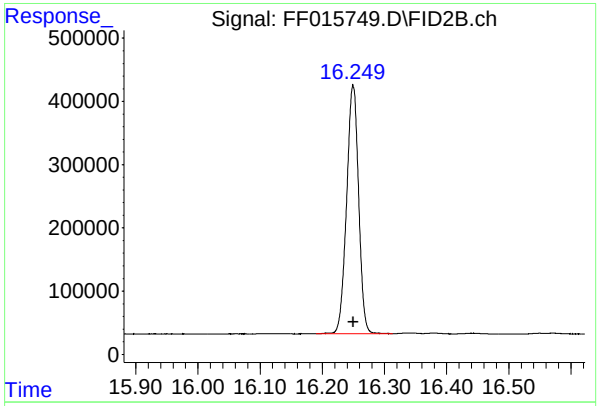
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 5443481
Conc: 40.68 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 5459467
Conc: 40.78 ug/ml



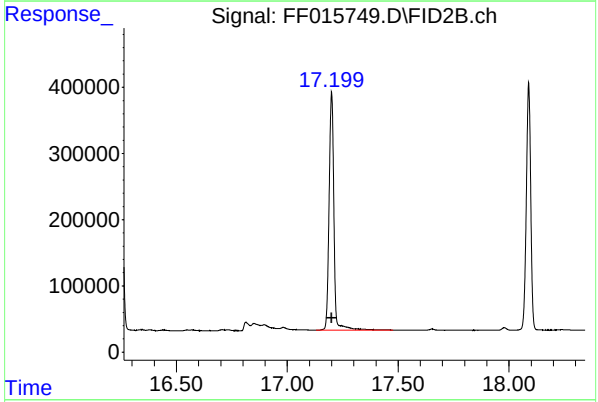
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: 0.000 min
Response: 5273412
Conc: 40.32 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

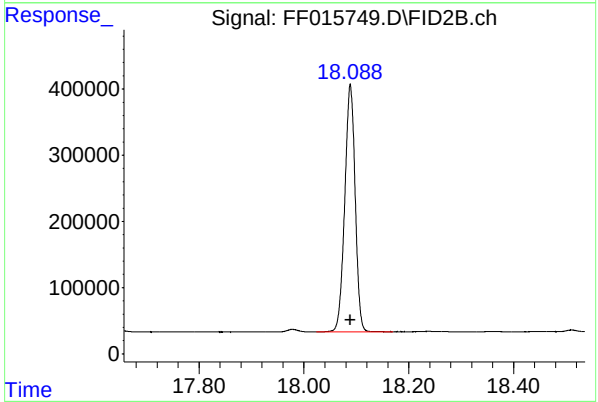
Manual Integrations
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Supervised By :mohammad ahmed 04/01/2025



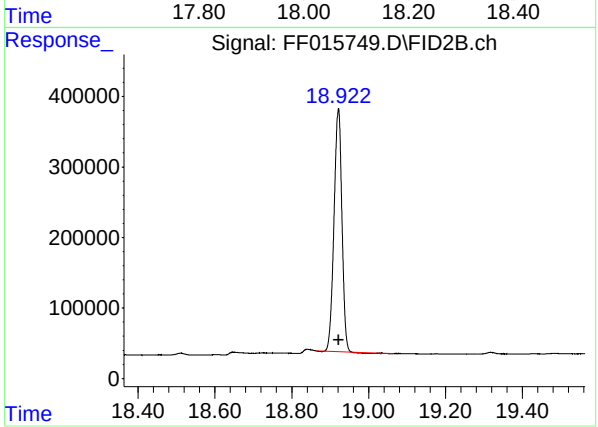
#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: 0.000 min
Response: 5462106
Conc: 41.81 ug/ml



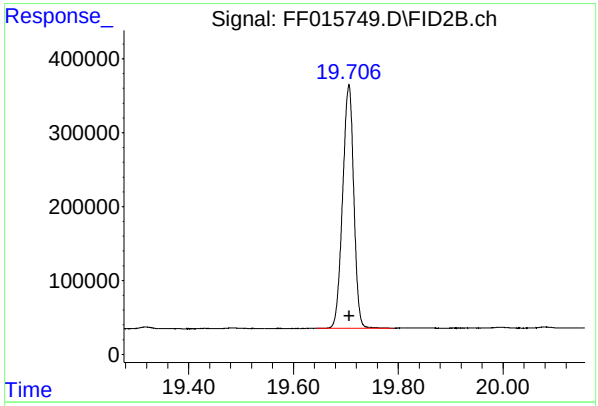
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 5146418
Conc: 38.16 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.002 min
Response: 4896254
Conc: 37.55 ug/ml



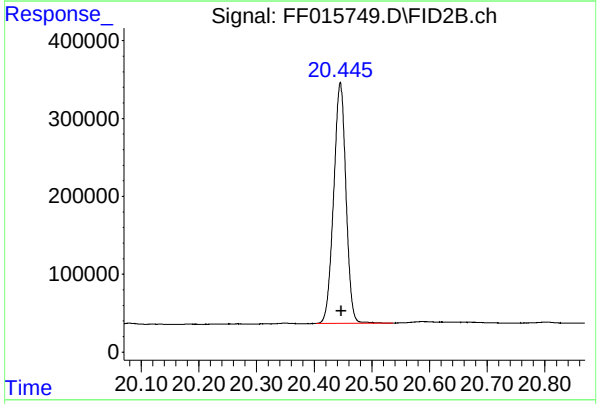
#19 n-Tetratriacontane (C34)

R.T.: 19.705 min
Delta R.T.: -0.002 min
Response: 4858876
Conc: 41.62 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

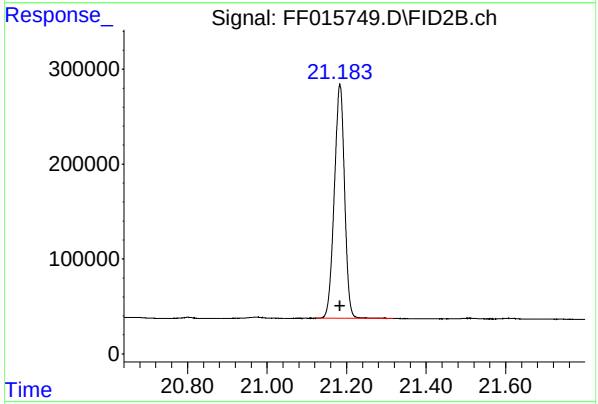
Manual Integrations
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Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



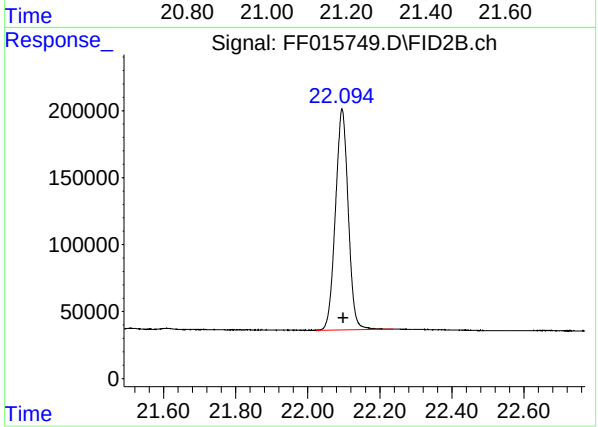
#20 n-Hexatriacontane (C36)

R.T.: 20.445 min
Delta R.T.: -0.002 min
Response: 4581569
Conc: 46.15 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.183 min
Delta R.T.: 0.000 min
Response: 4423400
Conc: 50.63 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.095 min
Delta R.T.: -0.004 min
Response: 4061240
Conc: 50.60 ug/ml

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03282
Data File : FF015749.D
Signal(s) : FID2B.ch
Acq On : 28 Mar 2025 19:25
Sample : Q1664-03
Misc :
ALS Vial : 27 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	3.007	2.998	3.043	PV	91	974	0.02%	0.001%
2	3.114	3.043	3.205	PV	289	15341	0.27%	0.013%
3	3.210	3.205	3.240	VV	118	1892	0.03%	0.002%
4	3.315	3.240	3.509	VV	273026	2977071	52.63%	2.600%
5	3.533	3.509	3.586	VV	755	28080	0.50%	0.025%
6	3.595	3.586	3.632	VV	514	11743	0.21%	0.010%
7	3.641	3.632	3.650	VV	416	4611	0.08%	0.004%
8	3.671	3.650	3.698	VV	657	13976	0.25%	0.012%
9	3.716	3.698	3.762	VV	549	14504	0.26%	0.013%
10	3.772	3.762	3.799	VV	381	6588	0.12%	0.006%
11	3.809	3.799	3.913	VV	258	12422	0.22%	0.011%
12	3.920	3.913	3.931	VV	150	1424	0.03%	0.001%
13	3.945	3.931	3.962	VV	167	2555	0.05%	0.002%
14	3.966	3.962	4.002	VV	178	3211	0.06%	0.003%
15	4.020	4.002	4.098	VV	550	14557	0.26%	0.013%
16	4.167	4.098	4.233	VV	731	29057	0.51%	0.025%
17	4.290	4.233	4.301	VV	360	12558	0.22%	0.011%
18	4.321	4.301	4.375	VV	821	18125	0.32%	0.016%
19	4.390	4.375	4.415	VV	322	5061	0.09%	0.004%
20	4.466	4.415	4.497	VV	327	11764	0.21%	0.010%
21	4.509	4.497	4.516	VV	304	2820	0.05%	0.002%
22	4.522	4.516	4.538	VV	278	3308	0.06%	0.003%
23	4.569	4.538	4.593	VV	339251	3488977	61.68%	3.047%
24	4.611	4.593	4.744	VV	140684	1740498	30.77%	1.520%
25	4.769	4.744	4.812	VV	2631	76276	1.35%	0.067%
26	4.830	4.812	4.848	VV	1777	32722	0.58%	0.029%
27	4.864	4.848	4.974	VV	2281	85057	1.50%	0.074%
28	4.988	4.974	5.045	VV	794	26931	0.48%	0.024%
29	5.055	5.045	5.088	VV	576	12680	0.22%	0.011%
30	5.094	5.088	5.167	VV	481	18385	0.33%	0.016%
31	5.184	5.167	5.203	VV	532	8729	0.15%	0.008%
32	5.211	5.203	5.243	VV	363	8180	0.14%	0.007%
33	5.273	5.243	5.318	VV	3933	64844	1.15%	0.057%
34	5.337	5.318	5.382	VV	1110	24947	0.44%	0.022%
35	5.390	5.382	5.418	VV	397	6241	0.11%	0.005%
36	5.440	5.418	5.473	VV	257	6984	0.12%	0.006%

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

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rteres

37	5.502	5.473	5.572	VV	265	10750	0.19%	0.009%
38	5.592	5.572	5.605	VV	161	2852		
39	5.609	5.605	5.632	VV	171	2014		
40	5.678	5.632	5.715	VV	196	7043		
41	5.763	5.715	5.809	VV	1143	29584		
42	5.825	5.809	5.862	VV	494	11610		
43	5.894	5.862	5.969	VV	367	15641	0.28%	0.014%
44	5.983	5.969	6.001	VV	212	3195	0.06%	0.003%
45	6.032	6.001	6.068	VV	231	5792	0.10%	0.005%
46	6.085	6.068	6.109	VV	130	2393	0.04%	0.002%
47	6.120	6.109	6.172	VV	111	2213	0.04%	0.002%
48	6.187	6.172	6.224	PV	69	1266	0.02%	0.001%
49	6.292	6.224	6.655	VV	53931	1323463	23.40%	1.156%
50	6.664	6.655	6.690	VV	635	12540	0.22%	0.011%
51	6.734	6.690	6.809	VV	378717	4116733	72.78%	3.595%
52	6.819	6.809	6.852	VV	2138	40962	0.72%	0.036%
53	6.866	6.852	6.880	VV	1142	18089	0.32%	0.016%
54	6.900	6.880	6.958	VV	1616	47850	0.85%	0.042%
55	6.977	6.958	7.100	VV	837	31483	0.56%	0.027%
56	7.114	7.100	7.172	VV	240	7070	0.13%	0.006%
57	7.193	7.172	7.223	VV	723	11345	0.20%	0.010%
58	7.246	7.223	7.272	VV	650	13660	0.24%	0.012%
59	7.294	7.272	7.312	VV	885	16574	0.29%	0.014%
60	7.336	7.312	7.362	VV	1718	32060	0.57%	0.028%
61	7.394	7.362	7.517	VV	39591	997462	17.64%	0.871%
62	7.537	7.517	7.598	VV	5719	146111	2.58%	0.128%
63	7.614	7.598	7.639	VV	1999	44098	0.78%	0.039%
64	7.658	7.639	7.682	VV	1559	36581	0.65%	0.032%
65	7.699	7.682	7.764	VV	2362	73502	1.30%	0.064%
66	7.779	7.764	7.878	VV	1056	40086	0.71%	0.035%
67	7.894	7.878	7.925	VV	337	8247	0.15%	0.007%
68	7.947	7.925	7.998	VV	1282	24548	0.43%	0.021%
69	8.017	7.998	8.245	VV	45124	1082139	19.13%	0.945%
70	8.265	8.245	8.303	VV	2599	55531	0.98%	0.048%
71	8.322	8.303	8.415	VV	1695	52902	0.94%	0.046%
72	8.435	8.415	8.463	VV	522	10857	0.19%	0.009%
73	8.487	8.463	8.532	VV	718	17829	0.32%	0.016%
74	8.561	8.532	8.642	VV	423543	4545840	80.37%	3.970%
75	8.689	8.642	8.873	VV	44944	919520	16.26%	0.803%
76	8.898	8.873	8.955	VV	53438	1079333	19.08%	0.943%
77	8.978	8.955	9.095	VV	106886	1689852	29.88%	1.476%
78	9.109	9.095	9.158	VV	4158	121408	2.15%	0.106%
79	9.167	9.158	9.204	VV	2402	56308	1.00%	0.049%
80	9.219	9.204	9.258	VV	1857	52736	0.93%	0.046%
81	9.299	9.258	9.377	VV	6890	183949	3.25%	0.161%
82	9.404	9.377	9.457	VV	4310	95439	1.69%	0.083%
83	9.478	9.457	9.505	VV	1464	29230	0.52%	0.026%
84	9.526	9.505	9.553	VV	998	22266	0.39%	0.019%
85	9.576	9.553	9.594	VV	766	16581	0.29%	0.014%
86	9.604	9.594	9.625	VV	723	12424	0.22%	0.011%
87	9.632	9.625	9.650	VV	714	9576	0.17%	0.008%
88	9.696	9.650	9.735	VV	1114	36843	0.65%	0.032%
89	9.796	9.735	9.939	VV	23498	757642	13.40%	0.662%

Instrument :
FID_F
ClientSampleId :
P001-BBDGA-001-01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

rteres

90	9.957	9.939	10.018	VV	3519	97066	1.72%	0.085%
91	10.028	10.018	10.051	VV	1296	22189		
92	10.107	10.051	10.138	VV	1484	60685		
93	10.169	10.138	10.336	VV	446611	5209431	92	
94	10.349	10.336	10.373	VV	739	13154		
95	10.397	10.373	10.419	VV	538	13774		
96	10.453	10.419	10.462	VV	618	13756	0.24%	0.012%
97	10.486	10.462	10.513	VV	775	18732	0.33%	0.016%
98	10.568	10.513	10.619	VV	1058	41491	0.73%	0.036%
99	10.648	10.619	10.684	VV	656	21489	0.38%	0.019%
100	10.701	10.684	10.712	VV	660	10344	0.18%	0.009%
101	10.724	10.712	10.746	VV	659	11328	0.20%	0.010%
102	10.771	10.746	10.784	VV	641	11348	0.20%	0.010%
103	10.804	10.784	10.828	VV	622	12536	0.22%	0.011%
104	10.853	10.828	10.873	VV	913	17945	0.32%	0.016%
105	10.885	10.873	10.898	VV	619	8245	0.15%	0.007%
106	10.923	10.898	10.948	VV	1164	22805	0.40%	0.020%
107	10.969	10.948	11.008	VV	729	22635	0.40%	0.020%
108	11.034	11.008	11.058	VV	1748	29986	0.53%	0.026%
109	11.079	11.058	11.111	VV	1208	29313	0.52%	0.026%
110	11.121	11.111	11.174	VV	888	21223	0.38%	0.019%
111	11.209	11.174	11.280	VV	23689	588634	10.41%	0.514%
112	11.302	11.280	11.409	VV	14681	600552	10.62%	0.524%
113	11.422	11.409	11.535	VV	4360	183197	3.24%	0.160%
114	11.552	11.535	11.578	VV	2655	48444	0.86%	0.042%
115	11.613	11.578	11.789	VV	454173	5533962	97.84%	4.833%
116	11.821	11.789	11.871	VV	637	26902	0.48%	0.023%
117	11.892	11.871	11.910	VV	598	12179	0.22%	0.011%
118	11.942	11.910	12.068	VV	35958	552435	9.77%	0.482%
119	12.079	12.068	12.103	VV	608	10920	0.19%	0.010%
120	12.112	12.103	12.163	VV	584	14520	0.26%	0.013%
121	12.247	12.163	12.260	VV	711	23241	0.41%	0.020%
122	12.274	12.260	12.291	VV	771	12326	0.22%	0.011%
123	12.302	12.291	12.318	VV	787	10190	0.18%	0.009%
124	12.326	12.318	12.352	VV	636	10024	0.18%	0.009%
125	12.375	12.352	12.403	VV	945	21526	0.38%	0.019%
126	12.415	12.403	12.463	VV	660	18888	0.33%	0.016%
127	12.498	12.463	12.540	VV	1174	28707	0.51%	0.025%
128	12.577	12.540	12.601	VV	471	12043	0.21%	0.011%
129	12.624	12.601	12.641	VV	366	6373	0.11%	0.006%
130	12.659	12.641	12.691	VV	404	9457	0.17%	0.008%
131	12.709	12.691	12.732	VV	442	8774	0.16%	0.008%
132	12.780	12.732	12.824	VV	3291	68663	1.21%	0.060%
133	12.867	12.824	12.887	PV	1564	22779	0.40%	0.020%
134	12.924	12.887	12.984	VV	459908	5656141	100.00%	4.940%
135	13.003	12.984	13.022	VV	1034	20393	0.36%	0.018%
136	13.042	13.022	13.235	VV	16533	600890	10.62%	0.525%
137	13.260	13.235	13.305	VV	1071	29618	0.52%	0.026%
138	13.325	13.305	13.342	VV	23874	328995	5.82%	0.287%
139	13.370	13.342	13.458	VV	344435	4475507	79.13%	3.909%
140	13.470	13.458	13.502	VV	1911	47148	0.83%	0.041%
141	13.536	13.502	13.599	VV	435899	5487487	97.02%	4.792%

Instrument :
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Manual IntegrationsAPPROVED

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					rteres			
142	13.612	13.599	13.717	VV	1381	61156	1.08%	0.053%
143	13.746	13.717	13.772	VV	630	16926		
144	13.823	13.772	13.845	VV	664	23035		
145	13.855	13.845	13.873	VV	255	3805		
146	13.892	13.873	13.901	VV	279	3786		
147	13.921	13.901	13.944	VV	703	10867		
148	13.971	13.944	14.011	VV	1234	22985	0.41%	0.020%
149	14.074	14.011	14.088	VV	1905	29529	0.52%	0.026%
150	14.123	14.088	14.241	VV	434545	5436632	96.12%	4.748%
151	14.258	14.241	14.295	VV	254	4772	0.08%	0.004%
152	14.354	14.295	14.386	VV	397	11081	0.20%	0.010%
153	14.427	14.386	14.455	VV	222	7027	0.12%	0.006%
154	14.460	14.455	14.481	VV	211	2095	0.04%	0.002%
155	14.515	14.481	14.524	PV	173	3414	0.06%	0.003%
156	14.552	14.524	14.565	VV	413	7191	0.13%	0.006%
157	14.588	14.565	14.670	VV	1026	31933	0.56%	0.028%
158	14.695	14.670	14.724	VV	628	12446	0.22%	0.011%
159	14.788	14.724	14.797	VV	491	15056	0.27%	0.013%
160	14.823	14.797	14.871	VV	597	20343	0.36%	0.018%
161	14.893	14.871	14.913	VV	550	10760	0.19%	0.009%
162	14.940	14.913	14.952	VV	490	10246	0.18%	0.009%
163	14.988	14.952	15.021	VV	653	21866	0.39%	0.019%
164	15.036	15.021	15.061	VV	571	10598	0.19%	0.009%
165	15.085	15.061	15.119	VV	552	13852	0.24%	0.012%
166	15.183	15.119	15.190	VV	1989	30577	0.54%	0.027%
167	15.228	15.190	15.265	VV	411547	5498503	97.21%	4.802%
168	15.283	15.265	15.602	VV	15983	901008	15.93%	0.787%
169	15.636	15.602	15.714	VV	1411	81719	1.44%	0.071%
170	15.752	15.714	15.838	VV	1784	82463	1.46%	0.072%
171	15.844	15.838	15.878	VV	659	15446	0.27%	0.013%
172	15.884	15.878	15.906	VV	682	10534	0.19%	0.009%
173	15.930	15.906	16.005	VV	765	37458	0.66%	0.033%
174	16.018	16.005	16.028	VV	609	7859	0.14%	0.007%
175	16.063	16.028	16.086	VV	703	21967	0.39%	0.019%
176	16.137	16.086	16.158	VV	993	33881	0.60%	0.030%
177	16.177	16.158	16.189	VV	921	13818	0.24%	0.012%
178	16.250	16.189	16.315	VV	393468	5334566	94.31%	4.659%
179	16.341	16.315	16.362	VV	1929	41251	0.73%	0.036%
180	16.380	16.362	16.410	VV	1707	31514	0.56%	0.028%
181	16.442	16.410	16.514	VV	1433	35645	0.63%	0.031%
182	16.550	16.514	16.558	VV	1418	18916	0.33%	0.017%
183	16.571	16.558	16.638	VV	1472	30369	0.54%	0.027%
184	16.651	16.638	16.677	VV	271	4157	0.07%	0.004%
185	16.706	16.677	16.721	VV	1760	25353	0.45%	0.022%
186	16.733	16.721	16.768	VV	1510	24217	0.43%	0.021%
187	16.776	16.768	16.790	VV	263	2666	0.05%	0.002%
188	16.813	16.790	16.834	VV	12794	200824	3.55%	0.175%
189	16.850	16.834	16.882	VV	11086	264199	4.67%	0.231%
190	16.896	16.882	16.961	VV	9077	274812	4.86%	0.240%
191	16.982	16.961	17.068	VV	5090	159379	2.82%	0.139%
192	17.079	17.068	17.132	VV	1295	36818	0.65%	0.032%
193	17.200	17.132	17.505	VV	358295	5608591	99.16%	4.898%
194	17.523	17.505	17.569	VV	653	22287	0.39%	0.019%

Instrument :
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P001-BBDGA-001-01MSD

Manual IntegrationsAPPROVED

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					rteres			
195	17.653	17.569	17.707	VV	2227	62708	1.11%	0.055%
196	17.762	17.707	17.845	VV	571	31064		
197	17.852	17.845	17.859	VV	207	1613		
198	17.894	17.859	17.921	VV	298	8119		
199	17.932	17.921	17.940	VV	223	2102		
200	17.978	17.940	18.025	VV	4159	65007		
201	18.089	18.025	18.170	VV	373812	5168508	91.38%	4.514%
202	18.187	18.170	18.202	VV	389	6581	0.12%	0.006%
203	18.237	18.202	18.317	VV	976	28691	0.51%	0.025%
204	18.364	18.317	18.405	PV	538	12828	0.23%	0.011%
205	18.457	18.405	18.481	VV	481	14364	0.25%	0.013%
206	18.511	18.481	18.562	VV	2812	45207	0.80%	0.039%
207	18.605	18.562	18.622	VV	611	12323	0.22%	0.011%
208	18.649	18.622	18.705	VV	4001	133754	2.36%	0.117%
209	18.726	18.705	18.818	VV	3068	187577	3.32%	0.164%
210	18.841	18.818	18.877	VV	8060	207474	3.67%	0.181%
211	18.921	18.877	19.002	VV	349845	5232095	92.50%	4.569%
212	19.029	19.002	19.061	VV	2425	77327	1.37%	0.068%
213	19.077	19.061	19.142	VV	1942	77581	1.37%	0.068%
214	19.177	19.142	19.207	VV	1411	49691	0.88%	0.043%
215	19.217	19.207	19.236	VV	1161	18996	0.34%	0.017%
216	19.245	19.236	19.255	VV	1047	11257	0.20%	0.010%
217	19.318	19.255	19.395	VV	3511	123482	2.18%	0.108%
218	19.432	19.395	19.458	VV	1417	43338	0.77%	0.038%
219	19.483	19.458	19.539	VV	1877	68967	1.22%	0.060%
220	19.572	19.539	19.595	VV	1276	39550	0.70%	0.035%
221	19.603	19.595	19.620	VV	1202	18281	0.32%	0.016%
222	19.706	19.620	19.788	VV	328945	4996683	88.34%	4.364%
223	19.826	19.788	19.835	VV	1696	45911	0.81%	0.040%
224	19.841	19.835	19.858	VV	1685	22020	0.39%	0.019%
225	19.861	19.858	19.890	VV	1609	28526	0.50%	0.025%
226	19.939	19.890	19.957	VV	1573	60403	1.07%	0.053%
227	19.996	19.957	20.039	VV	2508	89282	1.58%	0.078%
228	20.079	20.039	20.108	VV	2932	82742	1.46%	0.072%
229	20.119	20.108	20.126	VV	1659	17406	0.31%	0.015%
230	20.133	20.126	20.159	VV	1644	29491	0.52%	0.026%
231	20.185	20.159	20.204	VV	1626	39272	0.69%	0.034%
232	20.267	20.204	20.289	VV	1939	87321	1.54%	0.076%
233	20.350	20.289	20.378	VV	2818	114529	2.02%	0.100%
234	20.445	20.378	20.534	VV	311430	4815744	85.14%	4.206%
235	20.589	20.534	20.618	VV	4685	192577	3.40%	0.168%
236	20.621	20.618	20.748	VV	4138	263367	4.66%	0.230%
237	20.801	20.748	20.862	VV	3846	201196	3.56%	0.176%
238	20.972	20.862	21.057	VV	3806	340416	6.02%	0.297%
239	21.094	21.057	21.105	VV	2717	75468	1.33%	0.066%
240	21.183	21.105	21.395	VV	248934	4834063	85.47%	4.222%
241	21.407	21.395	21.425	VV	1930	33790	0.60%	0.030%
242	21.428	21.425	21.438	VV	1858	14444	0.26%	0.013%
243	21.447	21.438	21.456	VV	1862	19388	0.34%	0.017%
244	21.506	21.456	21.570	VV	2422	133766	2.36%	0.117%
245	21.607	21.570	21.675	VV	2338	109820	1.94%	0.096%
246	21.687	21.675	21.802	VV	1443	93379	1.65%	0.082%

Instrument :
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P001-BBDGA-001-01MSD

Manual IntegrationsAPPROVED

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						rteres			
247	21.809	21.802	21.825	VV	1082	14495	0.26%	0.013%	
248	21.834	21.825	21.915	VV	1122	51250			
249	21.923	21.915	22.015	VV	828	42587			
250	22.095	22.015	22.502	VBA	165980	4307536	7		

Sum of corrected areas: 1145

Aliphatic EPH 031725.M Sat Mar 29 02:03:26 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
FG015579.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.89		0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.43		0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	16.7		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.9		1.30	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.5		40 - 140	83%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.4		40 - 140	51%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-03	Acq On:	28 Mar 2025 19:25
Client Sample ID:	P001-BBDGA-001-01MSD	Operator:	YP\AJ
Data file:	FG015579.D	Misc:	
Instrument:	FID_G	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	7179649	53.581	200	ug/ml
Aromatic C12-C16	6.330	9.039	14046333	102.415	300	ug/ml
Aromatic C16-C21	9.040	13.371	32023431	229.706	500	ug/ml
Aromatic C21-C36	13.372	18.837	46498168	357.146	800	ug/ml
Aromatic EPH	4.449	18.837	99747581	742.847		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	5075694	41.55		ug/ml
2-Flurobiphenyl (SURR)	8.841	8.841	2466895	29.84		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	3709832	25.44		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015579.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:25
Operator : YP\AJ
Sample : Q1664-03
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:14:29 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...	7.964	5075694	41.551 ug/ml
Spiked Amount	50.000		Recovery =	83.10%
6)	S 2-Flurobiphenyl (SURR)	8.841	2466895	29.845 ug/mlm
Spiked Amount	50.000 Range	0 - 131	Recovery =	59.69%
11)	S ortho-Terphenyl (SURR)	11.914	3709832	25.440 ug/ml
Spiked Amount	50.000		Recovery =	50.88%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.554	2433237	18.311 ug/ml
2)	T Naphthalene (C11.7)	6.232	3234228	23.938 ug/ml
3)	T 2-Methylnaphthalene (...	7.334	3208139	24.050 ug/ml
5)	T Acenaphthylene (C15.06)	8.640	4178743	29.505 ug/ml
7)	T Acenaphthene (C15.5)	8.940	4043140	29.635 ug/ml
8)	T Flouorene (C16.55)	9.734	4773295	34.192 ug/ml
9)	T Phenanthrene (C19.36)	11.146	5029604	35.701 ug/ml
10)	T Anthracene (C19.43)	11.221	4873647	35.615 ug/ml
12)	T Fluoranthene (C21.85)	12.973	5189769	36.393 ug/ml
13)	T Pyrene (C20.8)	13.273	5058567	36.052 ug/ml
14)	T Benzo[a]anthracene (C...	15.161	4926081	36.319 ug/ml
15)	T Chrysene (C27.41)	15.205	5845626	41.757 ug/ml
16)	T benzo[b]fluoranthene ...	16.726	4908743	37.148 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.759	5386953	39.454 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.107	4758018	37.942 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.487	4978011	44.742 ug/ml
20)	T Dibenz[a,h]anthracene...	18.522	5557958	43.192 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.742	4968914	41.583 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

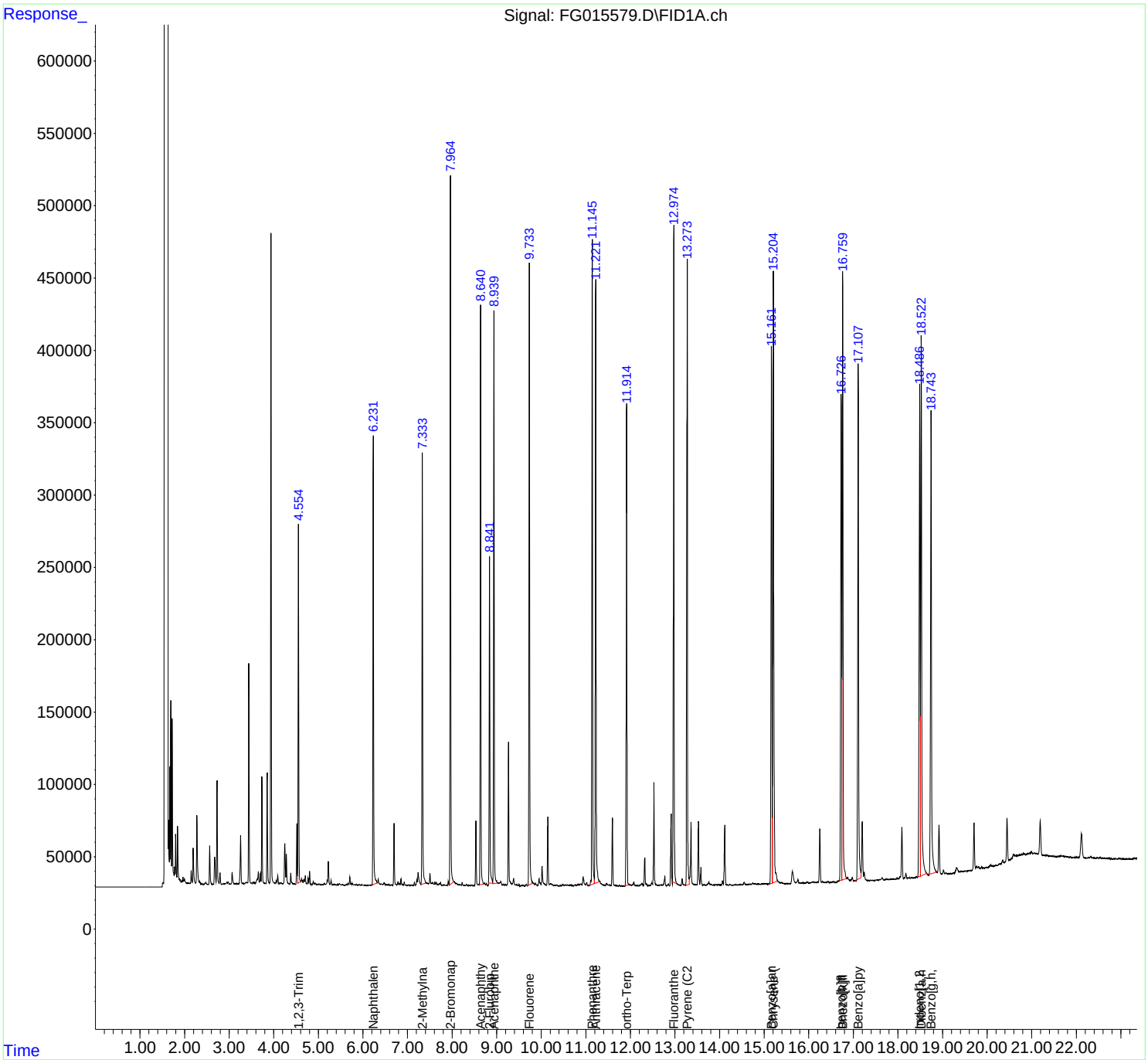
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032825AR\
Data File : FG015579.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:25
Operator : YP\AJ
Sample : Q1664-03
Misc :
ALS Vial : 77 Sample Multiplier: 1

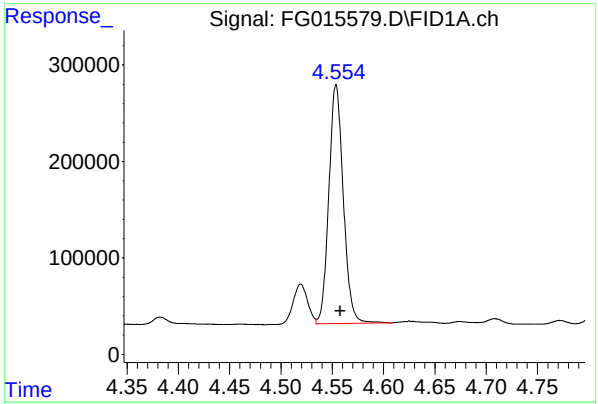
Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

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Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
Quant Time: Mar 29 03:14:29 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





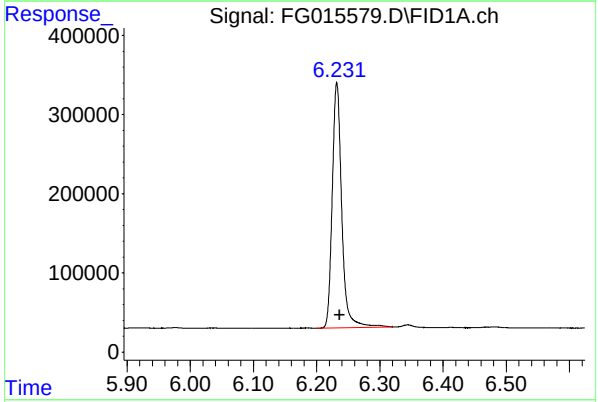
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.554 min
Delta R.T.: -0.004 min
Response: 2433237
Conc: 18.31 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

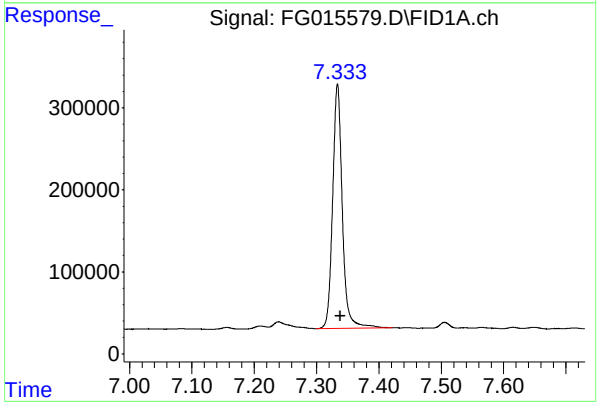
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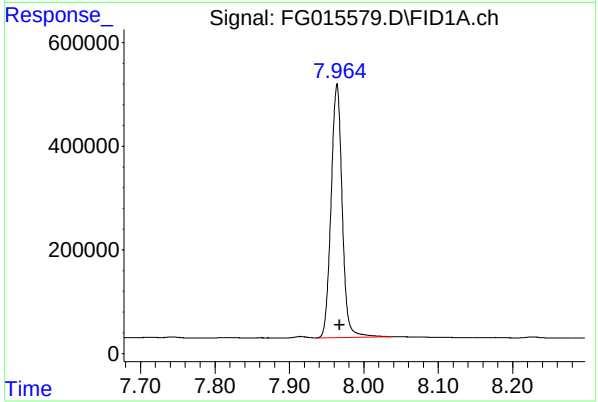
#2 Naphthalene (C11.7)

R.T.: 6.232 min
Delta R.T.: -0.005 min
Response: 3234228
Conc: 23.94 ug/ml



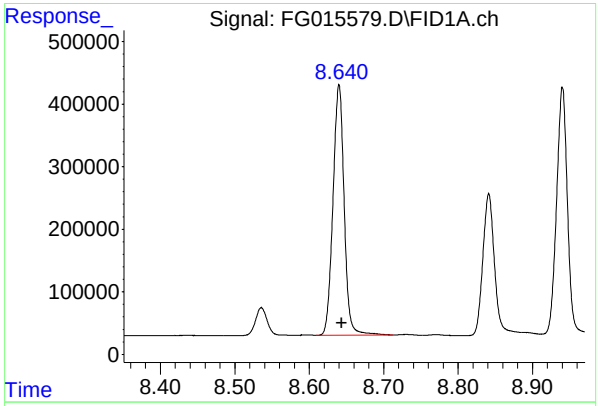
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.334 min
Delta R.T.: -0.004 min
Response: 3208139
Conc: 24.05 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 5075694
Conc: 41.55 ug/ml



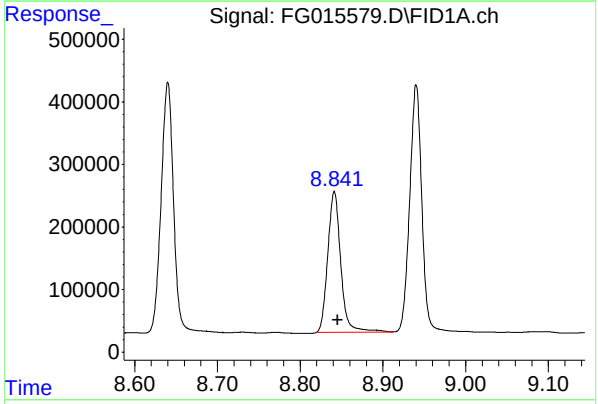
#5 Acenaphthylene (C15.06)

R.T.: 8.640 min
Delta R.T.: -0.004 mi
Response: 4178743
Conc: 29.50 ug/m

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

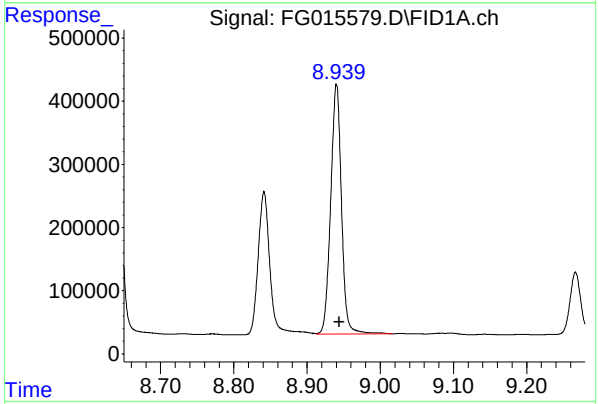
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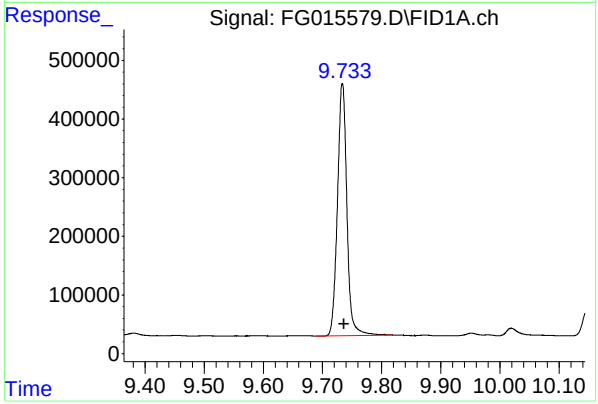
#6 2-Flurobiphenyl (SURR)

R.T.: 8.841 min
Delta R.T.: -0.004 min
Response: 2466895
Conc: 29.84 ug/ml m



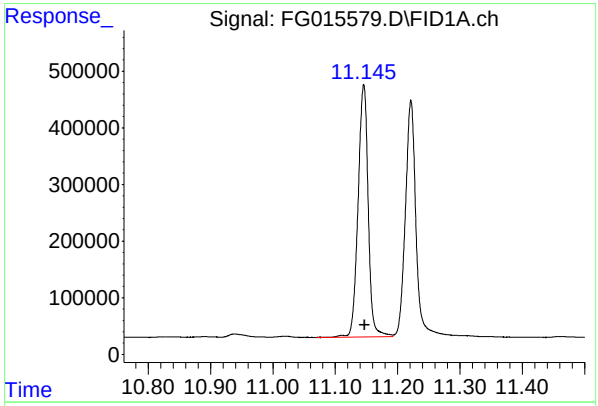
#7 Acenaphthene (C15.5)

R.T.: 8.940 min
Delta R.T.: -0.004 min
Response: 4043140
Conc: 29.63 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.734 min
Delta R.T.: -0.003 min
Response: 4773295
Conc: 34.19 ug/ml



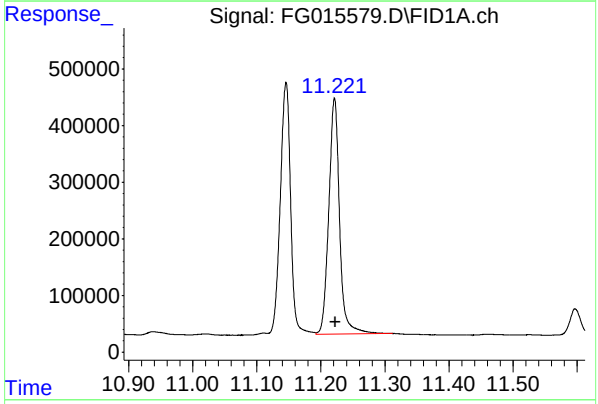
#9 Phenanthrene (C19.36)

R.T.: 11.146 min
Delta R.T.: -0.002 min
Response: 5029604
Conc: 35.70 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

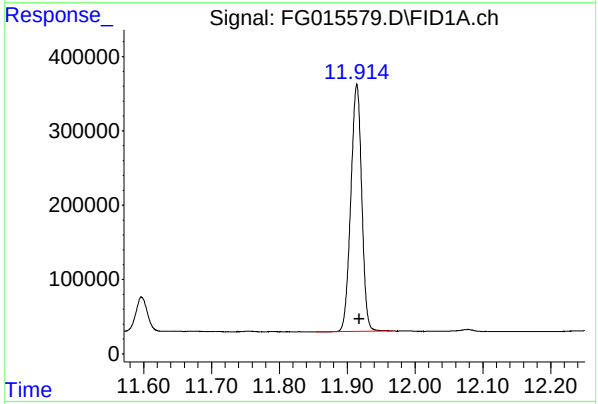
Manual Integrations APPROVED

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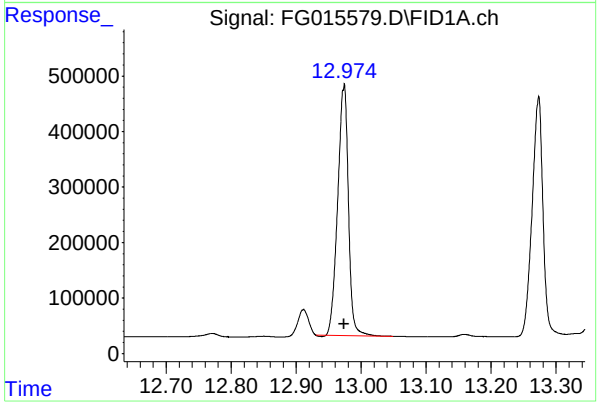
#10 Anthracene (C19.43)

R.T.: 11.221 min
Delta R.T.: -0.001 min
Response: 4873647
Conc: 35.62 ug/ml



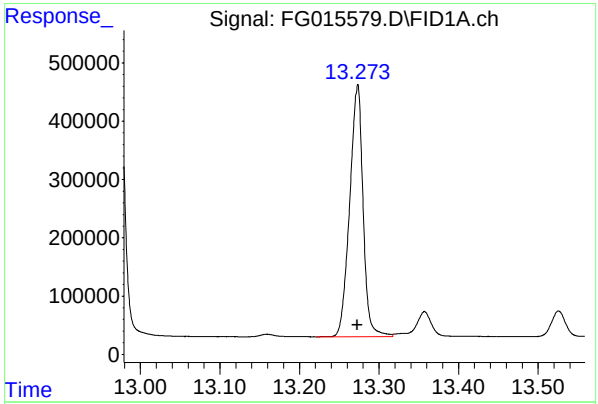
#11 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.004 min
Response: 3709832
Conc: 25.44 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 5189769
Conc: 36.39 ug/ml



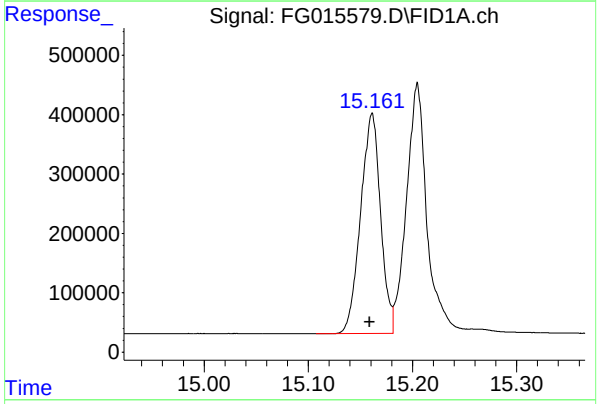
#13 Pyrene (C20.8)

R.T.: 13.273 min
Delta R.T.: 0.000 min
Response: 5058567
Conc: 36.05 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

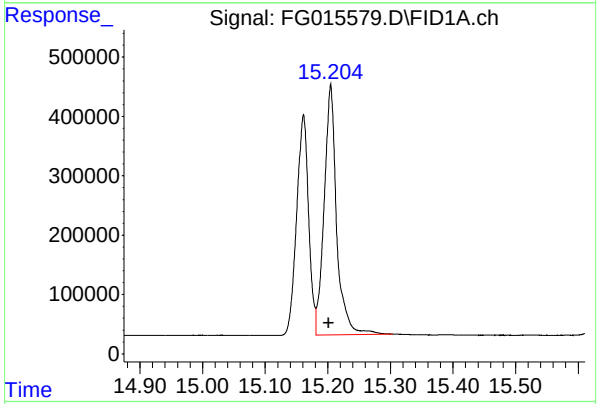
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 04/01/2025



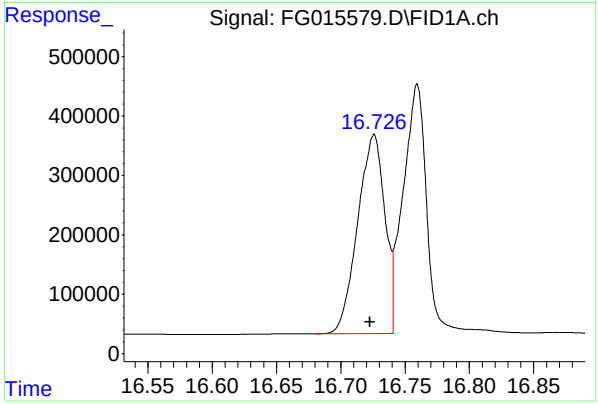
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.161 min
Delta R.T.: 0.002 min
Response: 4926081
Conc: 36.32 ug/ml



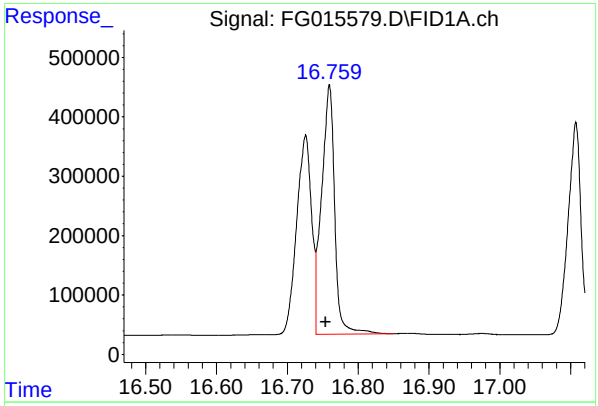
#15 Chrysene (C27.41)

R.T.: 15.205 min
Delta R.T.: 0.003 min
Response: 5845626
Conc: 41.76 ug/ml



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

R.T.: 16.726 min
Delta R.T.: 0.003 min
Response: 4908743
Conc: 37.15 ug/ml



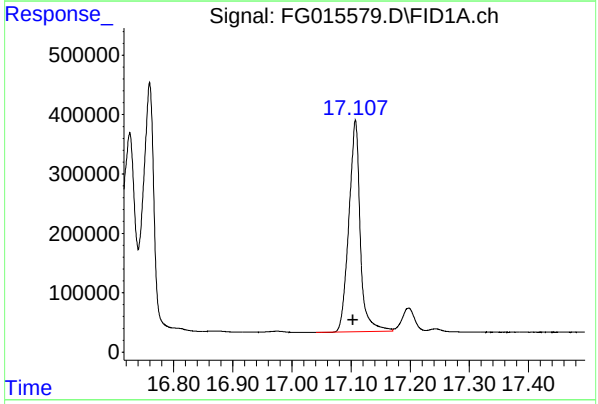
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.759 min
Delta R.T.: 0.005 min
Response: 5386953
Conc: 39.45 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

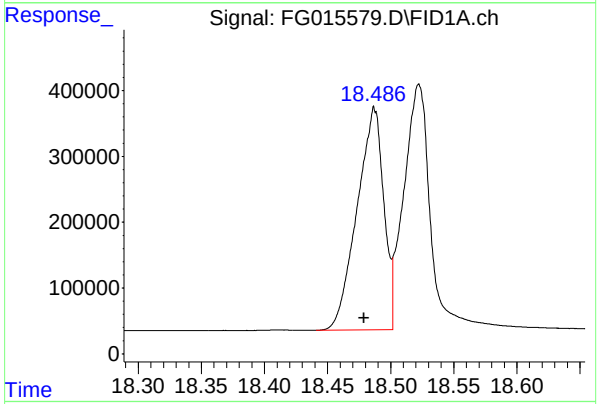
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Supervised By :mohammad ahmed 04/01/2025



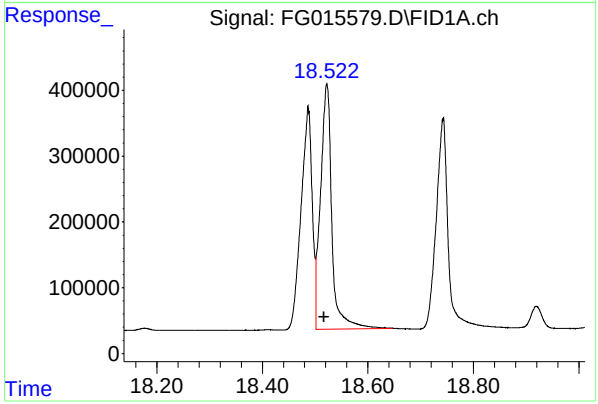
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.107 min
Delta R.T.: 0.004 min
Response: 4758018
Conc: 37.94 ug/ml



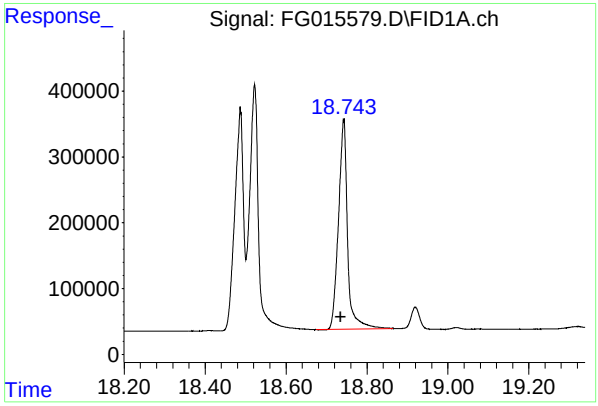
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.487 min
Delta R.T.: 0.008 min
Response: 4978011
Conc: 44.74 ug/ml



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

R.T.: 18.522 min
Delta R.T.: 0.005 min
Response: 5557958
Conc: 43.19 ug/ml



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

R.T.: 18.742 min
Delta R.T.: 0.007 mi
Response: 4968914
Conc: 41.58 ug/m

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

Manual Integrations
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Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

rteres

Area Percent Report

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Supervised By :mohammad ahmed 04/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03282
Data File : FG015579.D
Signal(s) : FID1A.ch
Acq On : 28 Mar 2025 19:25
Sample : Q1664-03
Misc :
ALS Vial : 77 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	4.382	4.362	4.449	PV	7617	87156	1.45%	0.078%
2	4.462	4.449	4.485	VV	420	4446	0.07%	0.004%
3	4.519	4.485	4.536	PV	42152	422186	7.02%	0.377%
4	4.554	4.536	4.609	VV	248902	2489272	41.39%	2.225%
5	4.626	4.609	4.642	VV	3717	56264	0.94%	0.050%
6	4.645	4.642	4.660	VV	2623	23412	0.39%	0.021%
7	4.674	4.660	4.691	VV	3323	47097	0.78%	0.042%
8	4.709	4.691	4.734	VV	6253	78940	1.31%	0.071%
9	4.740	4.734	4.752	VV	704	6778	0.11%	0.006%
10	4.772	4.752	4.787	VV	4452	49739	0.83%	0.044%
11	4.805	4.787	4.854	VV	9323	104559	1.74%	0.093%
12	4.887	4.854	4.920	VV	2315	38234	0.64%	0.034%
13	4.931	4.920	4.966	VV	1105	16785	0.28%	0.015%
14	4.978	4.966	5.001	VV	369	6413	0.11%	0.006%
15	5.015	5.001	5.050	VV	748	9996	0.17%	0.009%
16	5.070	5.050	5.093	VV	214	4484	0.07%	0.004%
17	5.103	5.093	5.118	VV	324	3674	0.06%	0.003%
18	5.136	5.118	5.165	VV	985	16172	0.27%	0.014%
19	5.200	5.165	5.207	VV	3392	37553	0.62%	0.034%
20	5.225	5.207	5.266	VV	16249	203658	3.39%	0.182%
21	5.287	5.266	5.319	VV	3101	37624	0.63%	0.034%
22	5.345	5.319	5.389	VV	470	8016	0.13%	0.007%
23	5.392	5.389	5.413	VV	133	1572	0.03%	0.001%
24	5.434	5.413	5.450	VV	774	8099	0.13%	0.007%
25	5.475	5.450	5.519	VV	1026	18225	0.30%	0.016%
26	5.526	5.519	5.595	VV	264	6242	0.10%	0.006%
27	5.625	5.595	5.647	PV	556	7355	0.12%	0.007%
28	5.664	5.647	5.686	VV	1403	17325	0.29%	0.015%
29	5.708	5.686	5.728	VV	5843	62405	1.04%	0.056%
30	5.744	5.728	5.754	VV	1257	12049	0.20%	0.011%
31	5.768	5.754	5.794	VV	1374	17329	0.29%	0.015%
32	5.807	5.794	5.822	VV	402	5578	0.09%	0.005%
33	5.837	5.822	5.850	VV	541	6725	0.11%	0.006%
34	5.858	5.850	5.884	VV	552	5835	0.10%	0.005%
35	5.917	5.898	5.950	VV	514	8870	0.15%	0.008%
36	5.976	5.960	5.996	VV	677	8152	0.14%	0.007%

Instrument :
FID_G
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37	6.033	5.996	6.058	VV	288	5338	0.09%	0.005%
38	6.129	6.113	6.138	PV	121	1427		
39	6.143	6.138	6.153	VV	180	1315		
40	6.159	6.153	6.172	VV	248	1945		
41	6.185	6.172	6.201	VV	335	4188		
42	6.232	6.201	6.326	VV	309756	3314373	55	
43	6.344	6.326	6.401	VV	4415	84940	1.41%	0.076%
44	6.412	6.401	6.436	VV	1199	19619	0.33%	0.018%
45	6.483	6.436	6.519	VV	1750	50800	0.84%	0.045%
46	6.544	6.519	6.574	VV	617	15775	0.26%	0.014%
47	6.579	6.574	6.609	VV	457	7511	0.12%	0.007%
48	6.630	6.609	6.649	VV	479	8965	0.15%	0.008%
49	6.662	6.649	6.672	VV	397	4616	0.08%	0.004%
50	6.700	6.672	6.739	VV	42957	464270	7.72%	0.415%
51	6.740	6.739	6.760	VV	952	9312	0.15%	0.008%
52	6.786	6.760	6.806	VV	2608	37233	0.62%	0.033%
53	6.822	6.806	6.837	VV	1762	21444	0.36%	0.019%
54	6.854	6.837	6.875	VV	4731	53476	0.89%	0.048%
55	6.888	6.875	6.906	VV	1247	14631	0.24%	0.013%
56	6.929	6.906	6.949	VV	2673	29390	0.49%	0.026%
57	6.960	6.949	6.974	VV	380	4357	0.07%	0.004%
58	6.978	6.974	6.996	VV	222	2101	0.03%	0.002%
59	7.031	7.003	7.057	VV	444	8027	0.13%	0.007%
60	7.080	7.057	7.128	VV	573	11607	0.19%	0.010%
61	7.156	7.128	7.187	PV	2273	26759	0.44%	0.024%
62	7.210	7.187	7.223	VV	3934	50843	0.85%	0.045%
63	7.239	7.223	7.302	VV	9104	186595	3.10%	0.167%
64	7.334	7.302	7.433	VV	299540	3315316	55.13%	2.964%
65	7.447	7.433	7.464	VV	1892	29944	0.50%	0.027%
66	7.477	7.464	7.485	VV	1638	18640	0.31%	0.017%
67	7.505	7.485	7.527	VV	8452	105958	1.76%	0.095%
68	7.539	7.527	7.551	VV	1824	23893	0.40%	0.021%
69	7.565	7.551	7.599	VV	2210	43621	0.73%	0.039%
70	7.615	7.599	7.630	VV	2514	30373	0.51%	0.027%
71	7.649	7.630	7.671	VV	2386	36242	0.60%	0.032%
72	7.688	7.671	7.697	VV	936	12035	0.20%	0.011%
73	7.714	7.697	7.729	VV	1622	22761	0.38%	0.020%
74	7.743	7.729	7.774	VV	2110	26489	0.44%	0.024%
75	7.820	7.774	7.846	VV	725	16277	0.27%	0.015%
76	7.862	7.846	7.879	VV	438	6494	0.11%	0.006%
77	7.916	7.879	7.936	VV	2987	37510	0.62%	0.034%
78	7.964	7.936	8.039	VV	490960	5168336	85.94%	4.620%
79	8.050	8.039	8.101	VV	2826	75582	1.26%	0.068%
80	8.106	8.101	8.135	VV	1490	22930	0.38%	0.020%
81	8.142	8.135	8.166	VV	883	13300	0.22%	0.012%
82	8.181	8.166	8.205	VV	1037	16676	0.28%	0.015%
83	8.226	8.205	8.251	VV	2278	29687	0.49%	0.027%
84	8.261	8.251	8.272	VV	396	4216	0.07%	0.004%
85	8.283	8.272	8.299	VV	400	5035	0.08%	0.005%
86	8.323	8.299	8.352	VV	863	13999	0.23%	0.013%
87	8.359	8.352	8.381	VV	265	3065	0.05%	0.003%
88	8.384	8.381	8.400	VV	178	1630	0.03%	0.001%
89	8.410	8.400	8.414	VV	268	1738	0.03%	0.002%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

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Supervised By :mohammad ahmed 04/01/2025

rteres

90	8.438	8.414	8.465	VV	609	10461	0.17%	0.009%
91	8.484	8.465	8.495	VV	308	4178		
92	8.536	8.495	8.579	VV	44884	500290		
93	8.598	8.579	8.612	VV	1234	18178		
94	8.640	8.612	8.713	VV	401677	4237377		
95	8.730	8.713	8.753	VV	2041	34532		
96	8.771	8.753	8.812	VV	1765	28269	0.47%	0.025%
97	8.841	8.812	8.912	VV	226808	2571971	42.77%	2.299%
98	8.940	8.912	9.018	VV	397177	4157837	69.14%	3.717%
99	9.027	9.018	9.041	VV	2358	29529	0.49%	0.026%
100	9.051	9.041	9.062	VV	2046	23430	0.39%	0.021%
101	9.080	9.062	9.089	VV	2754	36696	0.61%	0.033%
102	9.097	9.089	9.123	VV	2924	37768	0.63%	0.034%
103	9.143	9.123	9.176	VV	1283	24020	0.40%	0.021%
104	9.195	9.176	9.215	VV	1183	17776	0.30%	0.016%
105	9.267	9.215	9.296	VV	99081	1055019	17.54%	0.943%
106	9.300	9.296	9.315	VV	3319	31314	0.52%	0.028%
107	9.321	9.315	9.335	VV	1994	20358	0.34%	0.018%
108	9.382	9.335	9.412	VV	5072	107026	1.78%	0.096%
109	9.421	9.412	9.436	VV	878	10470	0.17%	0.009%
110	9.454	9.436	9.484	VV	1355	19628	0.33%	0.018%
111	9.503	9.484	9.537	VV	835	12341	0.21%	0.011%
112	9.556	9.537	9.567	VV	357	4969	0.08%	0.004%
113	9.586	9.567	9.629	VV	696	13918	0.23%	0.012%
114	9.652	9.629	9.662	VV	828	9719	0.16%	0.009%
115	9.673	9.662	9.688	VV	844	9287	0.15%	0.008%
116	9.734	9.688	9.854	VV	431143	4886783	81.26%	4.368%
117	9.874	9.854	9.914	VV	1783	36151	0.60%	0.032%
118	9.952	9.914	9.972	VV	5160	81081	1.35%	0.072%
119	9.980	9.972	9.999	VV	2198	25138	0.42%	0.022%
120	10.019	9.999	10.120	VV	13670	244976	4.07%	0.219%
121	10.148	10.120	10.180	VV	47890	539259	8.97%	0.482%
122	10.216	10.180	10.287	VV	1682	68954	1.15%	0.062%
123	10.298	10.287	10.307	VV	584	6188	0.10%	0.006%
124	10.319	10.307	10.333	VV	652	7885	0.13%	0.007%
125	10.350	10.333	10.370	VV	922	11767	0.20%	0.011%
126	10.377	10.370	10.383	VV	249	1422	0.02%	0.001%
127	10.396	10.383	10.416	VV	242	3725	0.06%	0.003%
128	10.430	10.416	10.446	VV	544	6313	0.10%	0.006%
129	10.474	10.446	10.484	VV	856	14134	0.24%	0.013%
130	10.494	10.484	10.512	VV	902	12468	0.21%	0.011%
131	10.545	10.512	10.561	VV	1027	19714	0.33%	0.018%
132	10.583	10.561	10.600	VV	941	16490	0.27%	0.015%
133	10.629	10.600	10.648	VV	742	16954	0.28%	0.015%
134	10.667	10.648	10.692	VV	1086	15499	0.26%	0.014%
135	10.705	10.692	10.725	VV	367	5118	0.09%	0.005%
136	10.753	10.725	10.767	VV	828	13911	0.23%	0.012%
137	10.776	10.767	10.802	VV	779	13828	0.23%	0.012%
138	10.822	10.802	10.838	VV	1336	21834	0.36%	0.020%
139	10.842	10.838	10.857	VV	1259	12249	0.20%	0.011%
140	10.890	10.857	10.917	VV	1729	43546	0.72%	0.039%
141	10.938	10.917	10.996	VV	6386	138629	2.31%	0.124%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

rteres

142	11.021	10.996	11.067	VV	2488	48350	0.80%	0.043%
143	11.111	11.067	11.117	VV	4071	45813	0	
144	11.146	11.117	11.192	VV	447312	5068797	84	
145	11.221	11.192	11.340	VV	418631	5101892	84	
146	11.347	11.340	11.439	VV	1901	59832	0	
147	11.461	11.439	11.502	VV	1854	45356	0	
148	11.526	11.502	11.554	VV	1129	22952	0.38%	0.021%
149	11.597	11.554	11.636	VV	46616	571033	9.49%	0.510%
150	11.642	11.636	11.664	VV	812	12110	0.20%	0.011%
151	11.674	11.664	11.707	VV	883	15490	0.26%	0.014%
152	11.710	11.707	11.735	VV	369	3645	0.06%	0.003%
153	11.753	11.735	11.778	VV	827	10645	0.18%	0.010%
154	11.789	11.778	11.806	VV	328	4100	0.07%	0.004%
155	11.810	11.806	11.824	VV	247	1963	0.03%	0.002%
156	11.830	11.824	11.854	VV	217	1996	0.03%	0.002%
157	11.914	11.854	11.976	PV	332835	3757296	62.48%	3.359%
158	11.985	11.976	12.014	VV	1268	22753	0.38%	0.020%
159	12.078	12.014	12.133	VV	3201	78904	1.31%	0.071%
160	12.140	12.133	12.166	VV	450	7314	0.12%	0.007%
161	12.170	12.166	12.184	VV	337	2743	0.05%	0.002%
162	12.259	12.184	12.286	VV	1887	55161	0.92%	0.049%
163	12.321	12.286	12.351	VV	19714	253258	4.21%	0.226%
164	12.360	12.351	12.387	VV	1700	22672	0.38%	0.020%
165	12.406	12.387	12.419	VV	653	9358	0.16%	0.008%
166	12.425	12.419	12.450	VV	587	7540	0.13%	0.007%
167	12.474	12.450	12.501	VV	2049	42336	0.70%	0.038%
168	12.529	12.501	12.606	VV	71365	864589	14.38%	0.773%
169	12.610	12.606	12.628	VV	627	7448	0.12%	0.007%
170	12.647	12.628	12.666	VV	626	11569	0.19%	0.010%
171	12.683	12.666	12.712	VV	783	17108	0.28%	0.015%
172	12.771	12.712	12.820	VV	6490	114313	1.90%	0.102%
173	12.850	12.820	12.879	VV	1438	21337	0.35%	0.019%
174	12.911	12.879	12.939	VV	49241	599151	9.96%	0.536%
175	12.974	12.939	13.098	VV	454068	5358832	89.11%	4.790%
176	13.111	13.098	13.132	VV	510	8091	0.13%	0.007%
177	13.159	13.132	13.224	VV	4719	76539	1.27%	0.068%
178	13.273	13.224	13.317	VV	429112	5087497	84.59%	4.548%
179	13.357	13.317	13.433	VV	43870	643189	10.69%	0.575%
180	13.438	13.433	13.448	VV	801	6785	0.11%	0.006%
181	13.452	13.448	13.492	VV	742	16936	0.28%	0.015%
182	13.526	13.492	13.556	VV	44428	550317	9.15%	0.492%
183	13.580	13.556	13.619	VV	12670	165925	2.76%	0.148%
184	13.646	13.619	13.677	VV	676	15344	0.26%	0.014%
185	13.686	13.677	13.690	VV	308	2121	0.04%	0.002%
186	13.733	13.690	13.738	VV	993	16289	0.27%	0.015%
187	13.756	13.738	13.781	VV	2923	40323	0.67%	0.036%
188	13.800	13.781	13.844	VV	935	23470	0.39%	0.021%
189	13.862	13.844	13.887	VV	400	7439	0.12%	0.007%
190	13.910	13.887	13.916	VV	482	6059	0.10%	0.005%
191	13.932	13.916	13.949	VV	587	9118	0.15%	0.008%
192	13.959	13.949	13.966	VV	462	4181	0.07%	0.004%
193	13.986	13.966	14.011	VV	629	10754	0.18%	0.010%
194	14.065	14.011	14.085	VV	3250	52663	0.88%	0.047%

Instrument :
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Manual IntegrationsAPPROVED

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					rteres			
195	14.114	14.085	14.163	VV	41672	549327	9.13%	0.491%
196	14.167	14.163	14.192	VV	323	3541		
197	14.229	14.192	14.266	VV	628	12408		
198	14.315	14.299	14.321	PV	162	1301		
199	14.364	14.321	14.392	VV	429	11640		
200	14.405	14.392	14.422	VV	277	3358		
201	14.448	14.422	14.485	VV	315	8388	0.14%	0.007%
202	14.489	14.485	14.496	VV	223	1364	0.02%	0.001%
203	14.551	14.496	14.574	VV	1752	37111	0.62%	0.033%
204	14.579	14.574	14.585	VV	496	2838	0.05%	0.003%
205	14.589	14.585	14.598	VV	455	3195	0.05%	0.003%
206	14.606	14.598	14.632	VV	435	6712	0.11%	0.006%
207	14.681	14.632	14.713	VV	670	18676	0.31%	0.017%
208	14.744	14.713	14.767	VV	1364	23505	0.39%	0.021%
209	14.781	14.767	14.801	VV	676	11169	0.19%	0.010%
210	14.819	14.801	14.866	VV	620	16893	0.28%	0.015%
211	14.869	14.866	14.873	VV	318	1075	0.02%	0.001%
212	14.878	14.873	14.902	VV	356	4549	0.08%	0.004%
213	14.910	14.902	14.921	VV	253	2445	0.04%	0.002%
214	14.939	14.921	14.949	VV	368	5075	0.08%	0.005%
215	14.968	14.949	14.972	VV	443	4937	0.08%	0.004%
216	14.995	14.972	15.014	VV	568	11384	0.19%	0.010%
217	15.030	15.014	15.044	VV	552	7506	0.12%	0.007%
218	15.061	15.044	15.079	VV	447	6334	0.11%	0.006%
219	15.094	15.079	15.108	VV	201	2572	0.04%	0.002%
220	15.161	15.108	15.181	VV	370827	4945366	82.23%	4.421%
221	15.205	15.181	15.372	VV	420544	6014046	100.00%	5.376%
222	15.388	15.372	15.447	VV	1246	29932	0.50%	0.027%
223	15.462	15.447	15.468	VV	339	3203	0.05%	0.003%
224	15.472	15.468	15.486	VV	312	2194	0.04%	0.002%
225	15.488	15.486	15.498	VV	266	1110	0.02%	0.001%
226	15.522	15.498	15.527	VV	320	3525	0.06%	0.003%
227	15.529	15.527	15.546	VV	304	1861	0.03%	0.002%
228	15.581	15.546	15.591	PV	166	2129	0.04%	0.002%
229	15.631	15.591	15.719	VV	8450	246819	4.10%	0.221%
230	15.758	15.719	15.787	VV	2682	54204	0.90%	0.048%
231	15.799	15.787	15.847	VV	443	9855	0.16%	0.009%
232	15.869	15.847	15.877	VV	914	5912	0.10%	0.005%
233	15.882	15.877	15.900	VV	397	4915	0.08%	0.004%
234	15.904	15.900	15.910	VV	342	1823	0.03%	0.002%
235	15.971	15.910	16.026	VV	751	27442	0.46%	0.025%
236	16.098	16.026	16.139	VV	1018	36454	0.61%	0.033%
237	16.160	16.139	16.185	VV	595	11880	0.20%	0.011%
238	16.206	16.185	16.215	VV	860	10466	0.17%	0.009%
239	16.246	16.215	16.284	VV	37257	520048	8.65%	0.465%
240	16.306	16.284	16.349	VV	869	21348	0.35%	0.019%
241	16.368	16.349	16.390	VV	401	5789	0.10%	0.005%
242	16.435	16.390	16.465	VV	760	16005	0.27%	0.014%
243	16.554	16.487	16.591	VV	579	14114	0.23%	0.013%
244	16.657	16.598	16.670	PV	936	18115	0.30%	0.016%
245	16.726	16.670	16.740	VV	336107	4950335	82.31%	4.425%
246	16.759	16.740	16.848	VV	421717	5509848	91.62%	4.925%

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

					rteres			
247	16.864	16.848	16.868	VV	2688	30116	0.50%	0.027%
248	16.873	16.868	16.913	VV	2796	48334		
249	16.926	16.913	16.942	VV	1026	15723		
250	16.975	16.942	17.017	VV	2438	56664		
251	17.020	17.017	17.023	VV	395	1290		
252	17.042	17.023	17.060	VV	588	10295		
253	17.107	17.060	17.171	VV	357286	4869463	80.97%	4.353%
254	17.197	17.171	17.227	VV	40964	642881	10.69%	0.575%
255	17.243	17.227	17.338	VV	6118	117670	1.96%	0.105%
256	17.348	17.338	17.354	VV	313	2109	0.04%	0.002%
257	17.360	17.354	17.367	VV	265	1406	0.02%	0.001%
258	17.385	17.377	17.409	VV	309	3350	0.06%	0.003%
259	17.433	17.409	17.447	VV	146	1699	0.03%	0.002%
260	17.495	17.447	17.504	PV	140	1818	0.03%	0.002%
261	17.527	17.504	17.556	VV	565	8951	0.15%	0.008%
262	17.615	17.556	17.624	PV	618	13554	0.23%	0.012%
263	17.647	17.624	17.696	VV	1585	29461	0.49%	0.026%
264	17.735	17.696	17.761	VV	465	9591	0.16%	0.009%
265	17.773	17.761	17.778	VV	190	1853	0.03%	0.002%
266	17.785	17.778	17.791	VV	235	1493	0.02%	0.001%
267	17.826	17.802	17.834	VV	227	2876	0.05%	0.003%
268	17.861	17.834	17.879	VV	307	6676	0.11%	0.006%
269	17.888	17.879	17.892	VV	315	1925	0.03%	0.002%
270	17.898	17.892	17.924	VV	303	4711	0.08%	0.004%
271	17.937	17.924	17.956	VV	265	4363	0.07%	0.004%
272	17.979	17.956	18.019	VV	620	12037	0.20%	0.011%
273	18.087	18.019	18.125	VV	35606	523366	8.70%	0.468%
274	18.177	18.125	18.219	VV	3602	60620	1.01%	0.054%
275	18.225	18.219	18.228	VV	354	1766	0.03%	0.002%
276	18.232	18.228	18.242	VV	344	2328	0.04%	0.002%
277	18.267	18.242	18.291	VV	391	6683	0.11%	0.006%
278	18.318	18.291	18.349	PV	296	4530	0.08%	0.004%
279	18.369	18.349	18.374	PV	107	1021	0.02%	0.001%
280	18.410	18.384	18.434	VV	693	9704	0.16%	0.009%
281	18.487	18.434	18.501	VV	336147	4966963	82.59%	4.440%
282	18.522	18.501	18.697	VV	373569	5730682	95.29%	5.123%
283	18.743	18.697	18.877	VV	319446	5136431	85.41%	4.592%
284	18.919	18.877	18.983	VV	33865	533472	8.87%	0.477%

Sum of corrected areas: 111865803

Aromatic EPH 031725.M Sat Mar 29 04:46:31 2025

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068474.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	302		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	304		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	342		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	379		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	572		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.1		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-06	Acq On:	01 Apr 2025 19:14
Client Sample ID:	P001-BBDGA-001-01MSD	Operator:	YP/AJ
Data file:	FC068474.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	24554366	151.272	300	ug/ml
Aliphatic C12-C16	6.360	9.742	25610092	152.265	200	ug/ml
Aliphatic C16-C21	9.743	13.096	29394196	171.384	300	ug/ml
Aliphatic C21-C28	13.097	16.749	32021652	189.623	400	ug/ml
Aliphatic C28-C40	16.750	21.544	38956299	286.082	600	ug/ml
Aliphatic EPH	3.097	21.544	150536605	950.627		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	7468627	50.1		ug/ml
Aliphatic C9-C28	3.097	16.749	111580306	664.544	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068474.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:14
Operator : YP/AJ
Sample : Q1664-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MSD

Integration File: autoint1.e
Quant Time: Apr 02 03:00:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.828	7468627	50.100 ug/ml
Spiked Amount	50.000		Recovery =	100.20%
	Target Compounds			
1) T	n-Nonane (C9)	3.201	5508787	34.442 ug/ml
2) T	n-Decane (C10)	4.255	6612236	40.789 ug/ml
4) T	n-Dodecane (C12)	6.261	7367293	44.675 ug/ml
6) T	n-Tetradecane (C14)	8.049	7608342	46.241 ug/ml
7) T	n-Hexadecane (C16)	9.643	7827663	45.549 ug/ml
8) T	n-Octadecane (C18)	11.080	7732315	44.052 ug/ml
10) T	n-Eicosane (C20)	12.387	7923065	46.262 ug/ml
11) T	n-Heneicosane (C21)	12.997	7472748	44.549 ug/ml
13) T	n-Docosane (C22)	13.581	7383976	43.770 ug/ml
14) T	n-Tetracosane (C24)	14.682	7279858	42.507 ug/ml
15) T	n-Hexacosane (C26)	15.700	6970786	41.417 ug/ml
16) T	n-Octacosane (C28)	16.648	6595824	39.446 ug/ml
17) T	n-Tricontane (C30)	17.534	6549216	37.562 ug/ml
18) T	n-Dotriacontane (C32)	18.365	6261641	37.404 ug/ml
19) T	n-Tetratriacontane (C34)	19.147	5966101	40.448 ug/ml
20) T	n-Hexatriacontane (C36)	19.885	5574485	45.551 ug/ml
21) T	n-Octatriacontane (C38)	20.595	5369176	49.999 ug/ml
22) T	n-Tetracontane (C40)	21.442	5082809	51.862 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

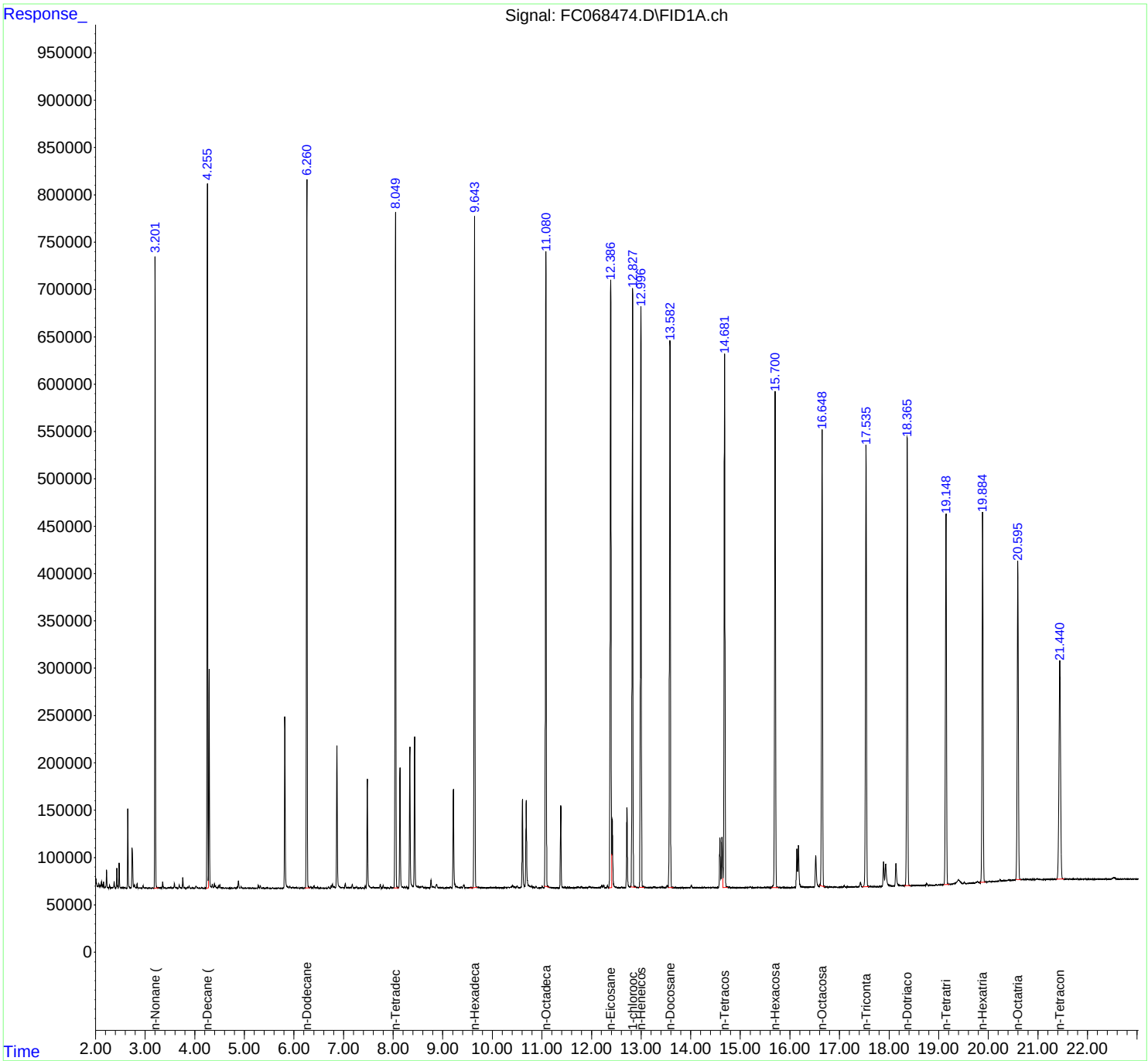
Quantitation Report (QT Reviewed)

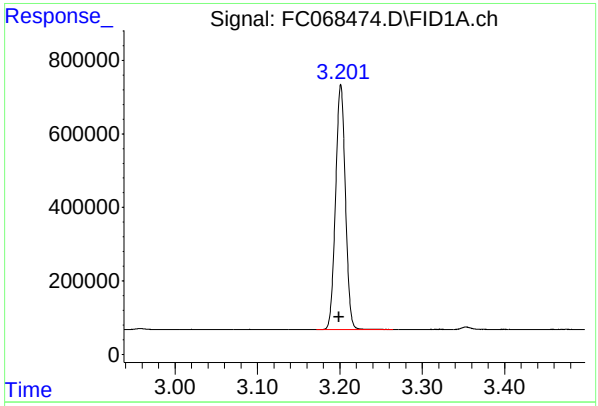
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068474.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:14
Operator : YP/AJ
Sample : Q1664-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MSD

Integration File: autoint1.e
Quant Time: Apr 02 03:00:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

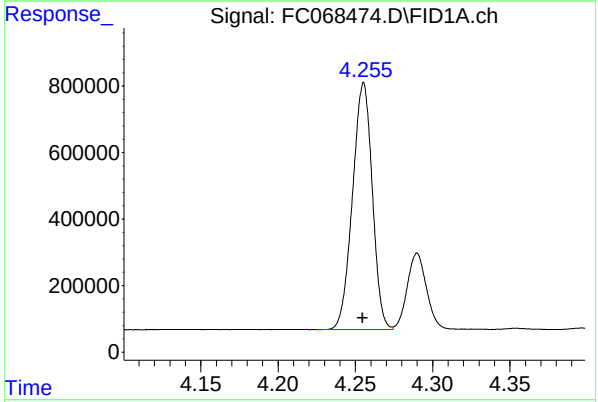




#1 n-Nonane (C9)

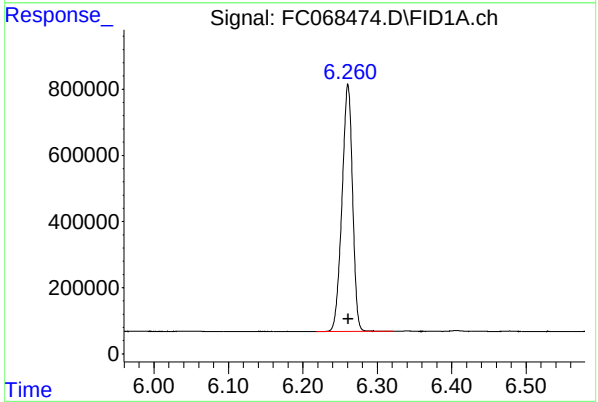
R.T.: 3.201 min
Delta R.T.: 0.002 min
Response: 5508787
Conc: 34.44 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MSD



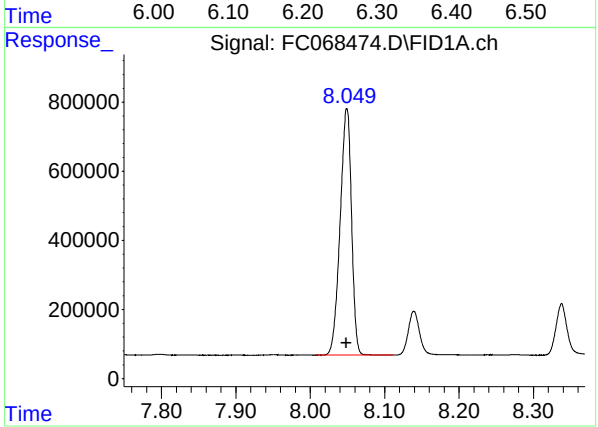
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 6612236
Conc: 40.79 ug/ml



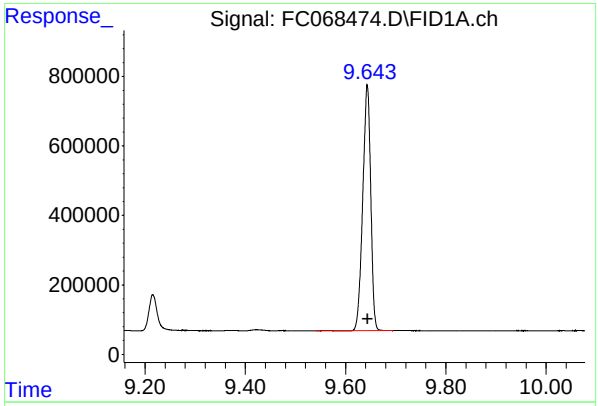
#4 n-Dodecane (C12)

R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 7367293
Conc: 44.68 ug/ml



#6 n-Tetradecane (C14)

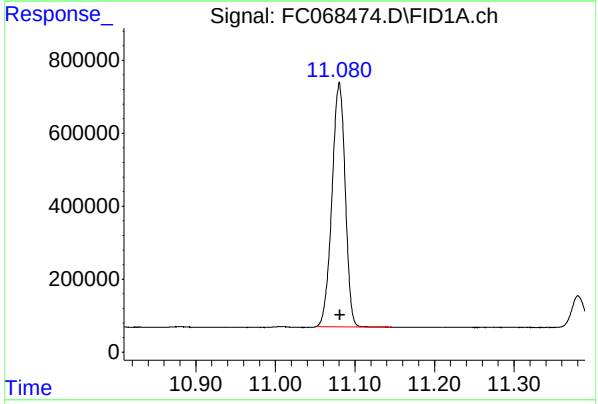
R.T.: 8.049 min
Delta R.T.: 0.000 min
Response: 7608342
Conc: 46.24 ug/ml



#7 n-Hexadecane (C16)

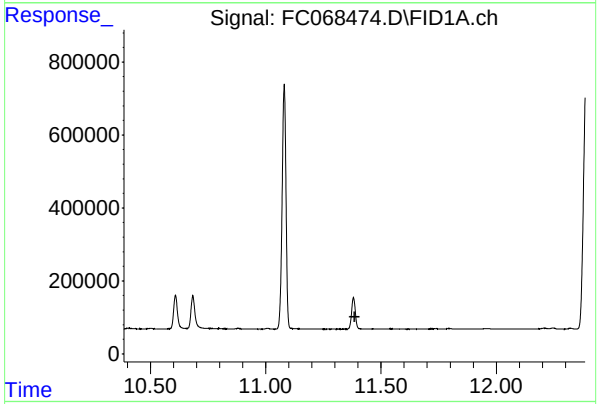
R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 7827663
Conc: 45.55 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MSD



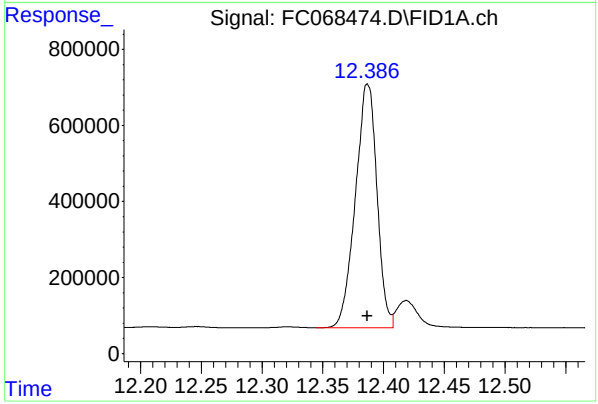
#8 n-Octadecane (C18)

R.T.: 11.080 min
Delta R.T.: -0.001 min
Response: 7732315
Conc: 44.05 ug/ml



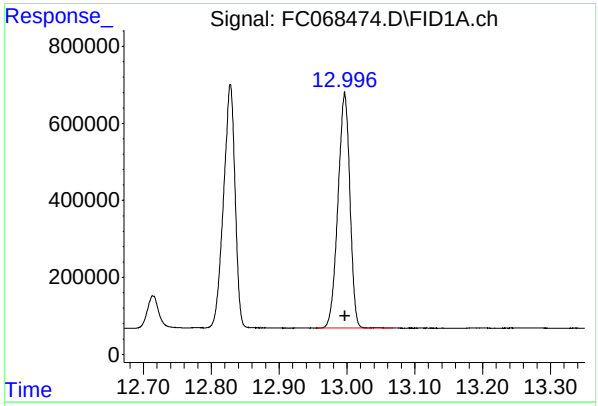
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.385 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

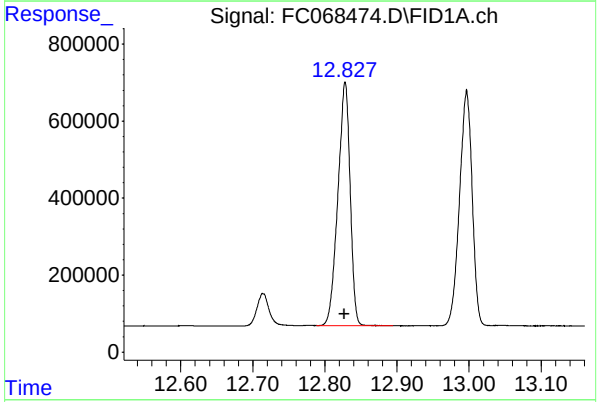
R.T.: 12.387 min
Delta R.T.: 0.000 min
Response: 7923065
Conc: 46.26 ug/ml



#11 n-Heneicosane (C21)

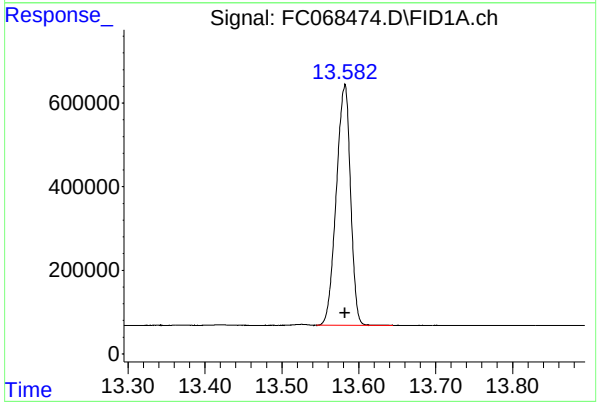
R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 7472748
Conc: 44.55 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MSD



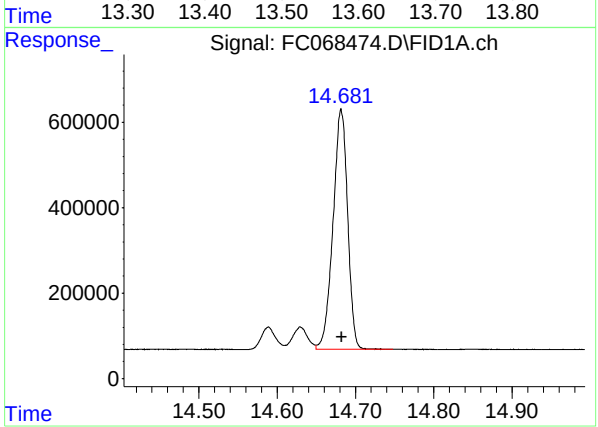
#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.000 min
Response: 7468627
Conc: 50.10 ug/ml



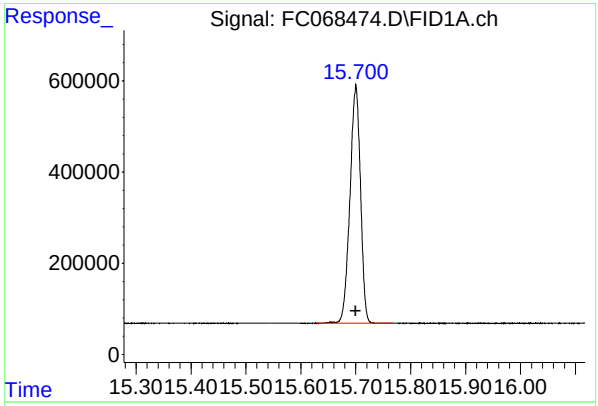
#13 n-Docosane (C22)

R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 7383976
Conc: 43.77 ug/ml



#14 n-Tetracosane (C24)

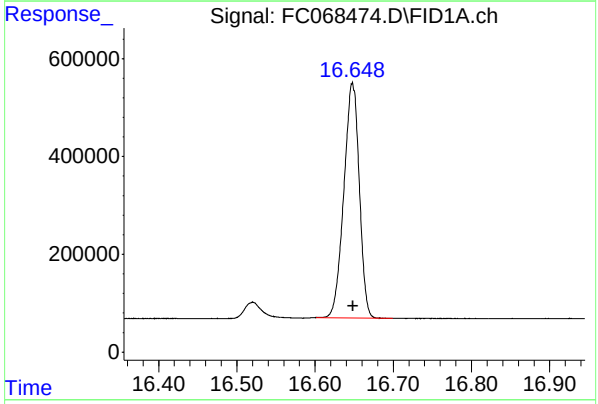
R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 7279858
Conc: 42.51 ug/ml



#15 n-Hexacosane (C26)

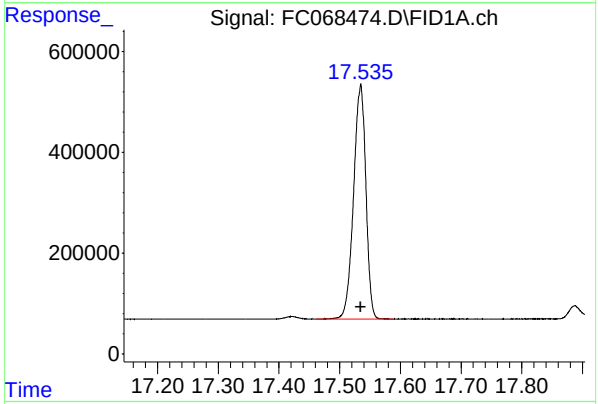
R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 6970786
Conc: 41.42 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MSD



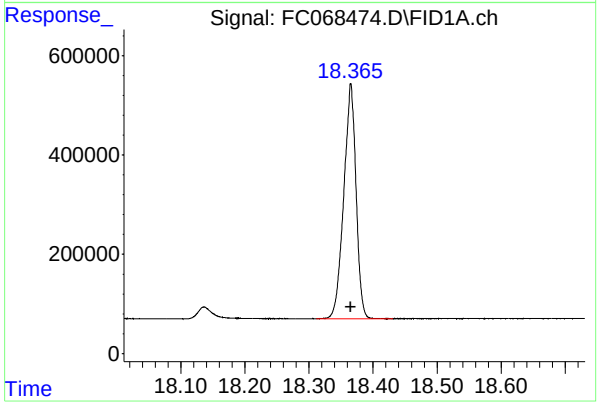
#16 n-Octacosane (C28)

R.T.: 16.648 min
Delta R.T.: 0.000 min
Response: 6595824
Conc: 39.45 ug/ml



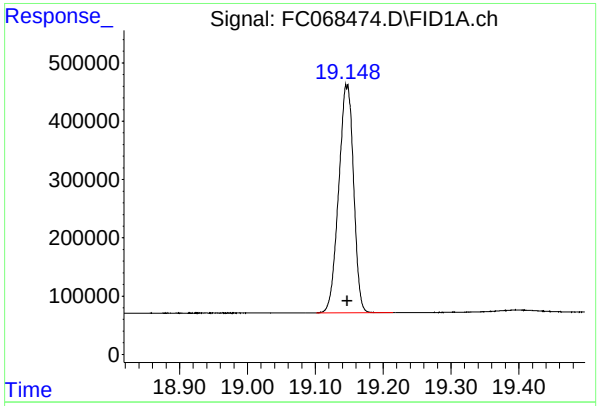
#17 n-Tricontane (C30)

R.T.: 17.534 min
Delta R.T.: 0.000 min
Response: 6549216
Conc: 37.56 ug/ml



#18 n-Dotriacontane (C32)

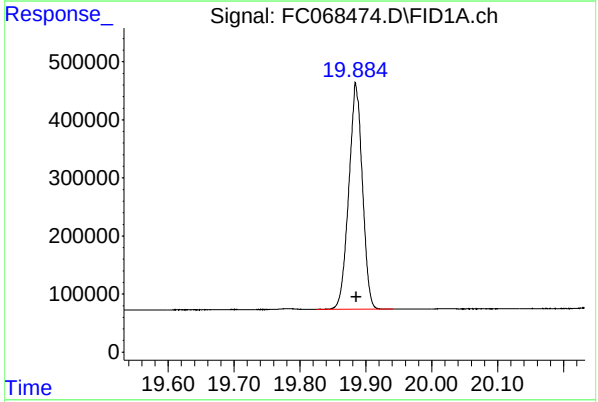
R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 6261641
Conc: 37.40 ug/ml



#19 n-Tetratriacontane (C34)

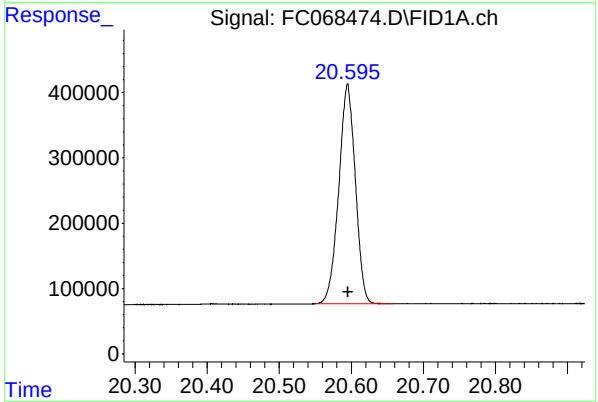
R.T.: 19.147 min
Delta R.T.: 0.000 min
Response: 5966101
Conc: 40.45 ug/ml

Instrument :
FID_C
ClientSampleId :
P001-BBDGA-001-01MSD



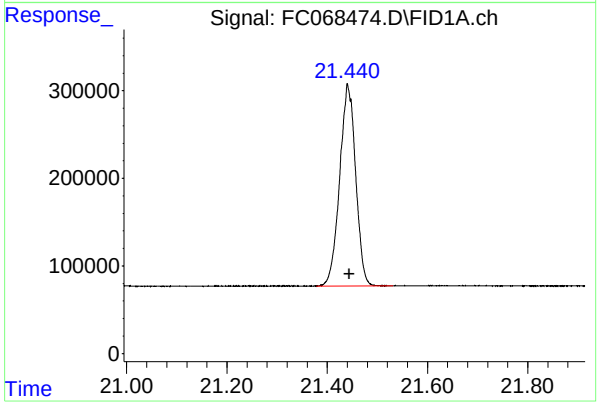
#20 n-Hexatriacontane (C36)

R.T.: 19.885 min
Delta R.T.: 0.000 min
Response: 5574485
Conc: 45.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.595 min
Delta R.T.: -0.001 min
Response: 5369176
Conc: 50.00 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.442 min
Delta R.T.: -0.003 min
Response: 5082809
Conc: 51.86 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068474.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 19:14
Sample : Q1664-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.375	2.305	2.406	BV	6970	58027	0.73%	0.036%
2	2.430	2.406	2.456	PV	20810	183390	2.31%	0.115%
3	2.476	2.456	2.538	VV	26222	215702	2.72%	0.135%
4	2.556	2.538	2.578	VV	1400	14518	0.18%	0.009%
5	2.591	2.578	2.628	VV	671	6676	0.08%	0.004%
6	2.650	2.628	2.716	PV	82941	655298	8.26%	0.409%
7	2.739	2.716	2.770	VV	42025	533900	6.73%	0.333%
8	2.785	2.770	2.818	VV	3829	47123	0.59%	0.029%
9	2.836	2.818	2.881	VV	4622	48049	0.61%	0.030%
10	2.914	2.881	2.938	VV	519	8569	0.11%	0.005%
11	2.958	2.938	3.005	VV	2637	27552	0.35%	0.017%
12	3.022	3.005	3.043	VV	449	5947	0.07%	0.004%
13	3.050	3.043	3.071	VV	237	2100	0.03%	0.001%
14	3.094	3.071	3.125	PV	443	6636	0.08%	0.004%
15	3.201	3.125	3.278	VV	665319	5526926	69.65%	3.451%
16	3.298	3.278	3.306	VV	433	6324	0.08%	0.004%
17	3.320	3.306	3.333	VV	569	7047	0.09%	0.004%
18	3.354	3.333	3.388	VV	6750	65647	0.83%	0.041%
19	3.400	3.388	3.419	VV	553	7305	0.09%	0.005%
20	3.433	3.419	3.445	VV	295	3554	0.04%	0.002%
21	3.474	3.445	3.488	VV	688	11477	0.14%	0.007%
22	3.522	3.488	3.545	VV	932	17363	0.22%	0.011%
23	3.566	3.545	3.573	VV	648	6730	0.08%	0.004%
24	3.590	3.573	3.668	VV	5259	59175	0.75%	0.037%
25	3.687	3.668	3.741	VV	3502	42251	0.53%	0.026%
26	3.759	3.741	3.825	VV	11404	106783	1.35%	0.067%
27	3.859	3.825	3.871	VV	1398	17229	0.22%	0.011%
28	3.887	3.871	3.935	VV	2573	28841	0.36%	0.018%
29	3.953	3.935	3.981	VV	419	5549	0.07%	0.003%
30	4.028	3.981	4.110	VV	2365	51824	0.65%	0.032%
31	4.135	4.110	4.169	VV	491	7602	0.10%	0.005%
32	4.207	4.169	4.223	VV	304	6279	0.08%	0.004%
33	4.255	4.223	4.274	VV	737405	6620603	83.44%	4.134%
34	4.290	4.274	4.338	VV	228746	2029301	25.57%	1.267%
35	4.354	4.338	4.378	VV	4098	50921	0.64%	0.032%
36	4.397	4.378	4.410	VV	4962	51271	0.65%	0.032%

37	4.420	4.410	4.457	VV	2799	36440	0.46%	0.023%
38	4.475	4.457	4.490	VV	2419	26123	0.33%	0.016%
39	4.505	4.490	4.554	VV	3898	47640	0.60%	0.030%
40	4.577	4.554	4.605	VV	514	10910	0.14%	0.007%
41	4.624	4.605	4.648	VV	542	9947	0.13%	0.006%
42	4.664	4.648	4.677	VV	277	4285	0.05%	0.003%
43	4.693	4.677	4.738	VV	417	9841	0.12%	0.006%
44	4.802	4.738	4.830	VV	567	11410	0.14%	0.007%
45	4.881	4.830	4.911	VV	7988	106185	1.34%	0.066%
46	4.937	4.911	5.045	VV	1680	30963	0.39%	0.019%
47	5.052	5.045	5.057	VV	202	1213	0.02%	0.001%
48	5.071	5.057	5.095	VV	538	6950	0.09%	0.004%
49	5.112	5.095	5.141	VV	485	8251	0.10%	0.005%
50	5.158	5.141	5.207	VV	307	9348	0.12%	0.006%
51	5.225	5.207	5.238	VV	272	3447	0.04%	0.002%
52	5.248	5.238	5.260	VV	348	3704	0.05%	0.002%
53	5.282	5.260	5.303	VV	3319	36569	0.46%	0.023%
54	5.322	5.303	5.362	VV	2890	35765	0.45%	0.022%
55	5.378	5.362	5.408	VV	732	9578	0.12%	0.006%
56	5.458	5.408	5.510	VV	532	15371	0.19%	0.010%
57	5.526	5.510	5.544	VV	240	3353	0.04%	0.002%
58	5.570	5.544	5.595	VV	535	9568	0.12%	0.006%
59	5.628	5.595	5.668	VV	277	8697	0.11%	0.005%
60	5.674	5.668	5.685	VV	168	1417	0.02%	0.001%
61	5.691	5.685	5.711	VV	165	1619	0.02%	0.001%
62	5.732	5.711	5.750	PV	295	3953	0.05%	0.002%
63	5.817	5.750	5.901	VV	179627	1838931	23.18%	1.148%
64	5.918	5.901	5.953	VV	2415	37117	0.47%	0.023%
65	5.980	5.953	6.021	VV	1097	26056	0.33%	0.016%
66	6.052	6.021	6.082	VV	828	21679	0.27%	0.014%
67	6.092	6.082	6.118	VV	382	6970	0.09%	0.004%
68	6.146	6.118	6.168	VV	482	10805	0.14%	0.007%
69	6.188	6.168	6.202	VV	373	6622	0.08%	0.004%
70	6.212	6.202	6.217	VV	333	2670	0.03%	0.002%
71	6.261	6.217	6.320	VV	748612	7396176	93.21%	4.619%
72	6.340	6.320	6.360	VV	1642	24791	0.31%	0.015%
73	6.376	6.360	6.388	VV	1084	12915	0.16%	0.008%
74	6.406	6.388	6.427	VV	2824	34803	0.44%	0.022%
75	6.440	6.427	6.461	VV	956	12715	0.16%	0.008%
76	6.478	6.461	6.519	VV	1428	20821	0.26%	0.013%
77	6.530	6.519	6.550	VV	364	5178	0.07%	0.003%
78	6.579	6.550	6.602	VV	445	8998	0.11%	0.006%
79	6.621	6.602	6.635	VV	372	5872	0.07%	0.004%
80	6.654	6.635	6.674	VV	317	5935	0.07%	0.004%
81	6.698	6.674	6.726	VV	1310	17685	0.22%	0.011%
82	6.751	6.726	6.760	VV	1819	20830	0.26%	0.013%
83	6.777	6.760	6.838	VV	4696	83574	1.05%	0.052%
84	6.868	6.838	6.948	VV	148942	1612424	20.32%	1.007%
85	6.956	6.948	6.965	VV	861	8743	0.11%	0.005%
86	6.980	6.965	6.994	VV	892	13818	0.17%	0.009%
87	7.037	6.994	7.081	VV	5249	82023	1.03%	0.051%
88	7.095	7.081	7.127	VV	1126	22523	0.28%	0.014%
89	7.144	7.127	7.156	VV	1322	15070	0.19%	0.009%

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90	7.177	7.156	7.200	VV	4199	52855	0.67%	0.033%
91	7.211	7.200	7.219	VV	621	6116	0.08%	0.004%
92	7.240	7.219	7.255	VV	999	16205	0.20%	0.010%
93	7.267	7.255	7.298	VV	1386	16687	0.21%	0.010%
94	7.343	7.298	7.366	VV	541	12829	0.16%	0.008%
95	7.389	7.366	7.415	VV	338	7062	0.09%	0.004%
96	7.437	7.415	7.454	VV	2085	24530	0.31%	0.015%
97	7.481	7.454	7.565	VV	114741	1233852	15.55%	0.771%
98	7.600	7.565	7.625	VV	923	25084	0.32%	0.016%
99	7.631	7.625	7.643	VV	655	6415	0.08%	0.004%
100	7.655	7.643	7.680	VV	541	10106	0.13%	0.006%
101	7.696	7.680	7.715	VV	754	10738	0.14%	0.007%
102	7.741	7.715	7.773	VV	3924	49574	0.62%	0.031%
103	7.797	7.773	7.818	VV	2756	33359	0.42%	0.021%
104	7.835	7.818	7.882	VV	582	13752	0.17%	0.009%
105	7.899	7.882	7.920	VV	561	7721	0.10%	0.005%
106	7.951	7.920	7.971	VV	1391	19682	0.25%	0.012%
107	7.992	7.971	8.008	VV	481	8581	0.11%	0.005%
108	8.049	8.008	8.110	VV	712367	7635979	96.23%	4.769%
109	8.139	8.110	8.214	VV	127641	1375218	17.33%	0.859%
110	8.237	8.214	8.257	VV	1246	23729	0.30%	0.015%
111	8.275	8.257	8.305	VV	1567	22636	0.29%	0.014%
112	8.338	8.305	8.407	VV	149192	1612093	20.32%	1.007%
113	8.434	8.407	8.481	VV	159516	1639050	20.66%	1.024%
114	8.498	8.481	8.518	VV	1686	32866	0.41%	0.021%
115	8.531	8.518	8.565	VV	1407	33081	0.42%	0.021%
116	8.581	8.565	8.622	VV	1935	45110	0.57%	0.028%
117	8.644	8.622	8.674	VV	1109	16996	0.21%	0.011%
118	8.695	8.674	8.721	VV	731	12604	0.16%	0.008%
119	8.765	8.721	8.786	VV	8797	108592	1.37%	0.068%
120	8.800	8.786	8.844	VV	1878	43834	0.55%	0.027%
121	8.878	8.844	8.931	VV	4220	88569	1.12%	0.055%
122	8.951	8.931	8.980	VV	1152	16577	0.21%	0.010%
123	8.999	8.980	9.029	VV	788	10782	0.14%	0.007%
124	9.080	9.029	9.130	VV	573	23135	0.29%	0.014%
125	9.162	9.130	9.185	VV	1240	25267	0.32%	0.016%
126	9.216	9.185	9.269	VV	104849	1226732	15.46%	0.766%
127	9.280	9.269	9.318	VV	1809	35892	0.45%	0.022%
128	9.326	9.318	9.347	VV	787	11052	0.14%	0.007%
129	9.372	9.347	9.397	VV	1323	24931	0.31%	0.016%
130	9.423	9.397	9.461	VV	3637	65899	0.83%	0.041%
131	9.473	9.461	9.497	VV	921	12218	0.15%	0.008%
132	9.511	9.497	9.540	VV	293	7088	0.09%	0.004%
133	9.562	9.540	9.602	VV	1140	21840	0.28%	0.014%
134	9.643	9.602	9.698	VV	708563	7858804	99.04%	4.908%
135	9.712	9.698	9.797	VV	1002	40443	0.51%	0.025%
136	9.810	9.797	9.838	VV	477	8497	0.11%	0.005%
137	9.849	9.838	9.877	VV	310	5617	0.07%	0.004%
138	9.889	9.877	9.894	VV	284	2446	0.03%	0.002%
139	9.918	9.894	9.931	VV	468	7855	0.10%	0.005%
140	9.956	9.931	9.975	VV	777	14221	0.18%	0.009%
141	9.984	9.975	9.994	VV	444	4283	0.05%	0.003%

142	10.031	9.994	10.051	VV	817	19413	0.24%	0.012%
143	10.067	10.051	10.090	VV	860	14206	0.18%	0.009%
144	10.118	10.090	10.135	VV	608	12962	0.16%	0.008%
145	10.145	10.135	10.170	VV	642	9302	0.12%	0.006%
146	10.189	10.170	10.205	VV	349	6153	0.08%	0.004%
147	10.239	10.205	10.255	VV	922	16025	0.20%	0.010%
148	10.264	10.255	10.290	VV	844	13516	0.17%	0.008%
149	10.317	10.290	10.340	VV	1060	22070	0.28%	0.014%
150	10.405	10.340	10.475	VV	3079	100691	1.27%	0.063%
151	10.502	10.475	10.528	VV	2158	38038	0.48%	0.024%
152	10.540	10.528	10.565	VV	541	10884	0.14%	0.007%
153	10.609	10.565	10.657	VV	93520	1114175	14.04%	0.696%
154	10.684	10.657	10.785	VV	92329	1205375	15.19%	0.753%
155	10.797	10.785	10.819	VV	1825	30035	0.38%	0.019%
156	10.826	10.819	10.852	VV	933	14785	0.19%	0.009%
157	10.880	10.852	10.914	VV	2136	36328	0.46%	0.023%
158	10.940	10.914	10.981	VV	444	12004	0.15%	0.007%
159	11.008	10.981	11.038	VV	2266	30903	0.39%	0.019%
160	11.080	11.038	11.212	VV	667997	7845477	98.87%	4.899%
161	11.229	11.212	11.253	VV	448	6643	0.08%	0.004%
162	11.294	11.253	11.328	VV	284	7576	0.10%	0.005%
163	11.381	11.328	11.442	PV	86530	989255	12.47%	0.618%
164	11.463	11.442	11.500	VV	938	19596	0.25%	0.012%
165	11.539	11.500	11.577	VV	886	24409	0.31%	0.015%
166	11.598	11.577	11.617	VV	272	4325	0.05%	0.003%
167	11.643	11.617	11.661	VV	291	5999	0.08%	0.004%
168	11.669	11.661	11.676	VV	410	3082	0.04%	0.002%
169	11.735	11.676	11.761	VV	1144	35886	0.45%	0.022%
170	11.796	11.761	11.821	VV	1805	29647	0.37%	0.019%
171	11.833	11.821	11.855	VV	474	6892	0.09%	0.004%
172	11.876	11.855	11.889	VV	646	8408	0.11%	0.005%
173	11.900	11.889	11.925	VV	595	8821	0.11%	0.006%
174	11.961	11.925	11.990	VV	1538	34083	0.43%	0.021%
175	12.016	11.990	12.064	VV	696	22635	0.29%	0.014%
176	12.078	12.064	12.098	VV	356	5458	0.07%	0.003%
177	12.119	12.098	12.130	VV	325	5148	0.06%	0.003%
178	12.153	12.130	12.165	VV	618	9767	0.12%	0.006%
179	12.208	12.165	12.228	VV	2840	53312	0.67%	0.033%
180	12.246	12.228	12.296	VV	3191	46082	0.58%	0.029%
181	12.322	12.296	12.345	VV	2607	32769	0.41%	0.020%
182	12.387	12.345	12.408	VV	643197	7934848	100.00%	4.955%
183	12.419	12.408	12.542	VV	71540	910006	11.47%	0.568%
184	12.554	12.542	12.585	VV	322	5621	0.07%	0.004%
185	12.608	12.585	12.637	VV	1144	16420	0.21%	0.010%
186	12.663	12.637	12.683	VV	383	8691	0.11%	0.005%
187	12.714	12.683	12.763	VV	84644	1004805	12.66%	0.627%
188	12.779	12.763	12.791	VV	1491	21901	0.28%	0.014%
189	12.828	12.791	12.911	VV	635461	7536841	94.98%	4.707%
190	12.938	12.911	12.958	VV	675	16492	0.21%	0.010%
191	12.997	12.958	13.032	VV	608056	7488878	94.38%	4.677%
192	13.045	13.032	13.088	VV	1501	31480	0.40%	0.020%
193	13.108	13.088	13.171	VV	552	19851	0.25%	0.012%
194	13.187	13.171	13.223	VV	683	15383	0.19%	0.010%

195	13.278	13.223	13.306	VV	863	28513	0.36%	0.018%
196	13.337	13.306	13.348	VV	485	8580	0.11%	0.005%
197	13.368	13.348	13.395	VV	892	14485	0.18%	0.009%
198	13.420	13.395	13.468	VV	1441	30691	0.39%	0.019%
199	13.525	13.468	13.543	VV	2706	44314	0.56%	0.028%
200	13.581	13.543	13.658	VV	573579	7408604	93.37%	4.627%
201	13.676	13.658	13.689	VV	246	3593	0.05%	0.002%
202	13.701	13.689	13.755	VV	290	3985	0.05%	0.002%
203	13.795	13.755	13.837	VV	150	4234	0.05%	0.003%
204	13.847	13.837	13.856	VV	140	882	0.01%	0.001%
205	13.869	13.856	13.891	VV	160	1671	0.02%	0.001%
206	13.912	13.891	13.928	VV	237	2264	0.03%	0.001%
207	13.939	13.928	13.947	VV	135	802	0.01%	0.001%
208	13.963	13.947	13.981	VV	91	2115	0.03%	0.001%
209	14.012	13.981	14.054	PV	2736	40286	0.51%	0.025%
210	14.064	14.054	14.090	VV	358	5052	0.06%	0.003%
211	14.106	14.090	14.120	VV	218	3391	0.04%	0.002%
212	14.138	14.120	14.178	VV	480	8121	0.10%	0.005%
213	14.199	14.178	14.211	VV	264	3669	0.05%	0.002%
214	14.231	14.211	14.250	VV	366	5471	0.07%	0.003%
215	14.275	14.250	14.318	VV	375	11119	0.14%	0.007%
216	14.344	14.318	14.367	VV	317	6674	0.08%	0.004%
217	14.391	14.367	14.401	VV	343	5129	0.06%	0.003%
218	14.452	14.401	14.468	VV	501	14057	0.18%	0.009%
219	14.486	14.468	14.505	VV	497	8177	0.10%	0.005%
220	14.530	14.505	14.556	VV	411	7965	0.10%	0.005%
221	14.589	14.556	14.609	VV	52120	663328	8.36%	0.414%
222	14.630	14.609	14.650	VV	52378	707978	8.92%	0.442%
223	14.682	14.650	14.831	VV	561530	7321734	92.27%	4.572%
224	14.852	14.831	14.890	VV	408	9541	0.12%	0.006%
225	14.900	14.890	14.960	VV	174	5103	0.06%	0.003%
226	14.987	14.960	15.006	VV	152	3184	0.04%	0.002%
227	15.023	15.006	15.055	VV	161	2797	0.04%	0.002%
228	15.103	15.055	15.133	PV	199	4130	0.05%	0.003%
229	15.151	15.133	15.171	VV	236	3796	0.05%	0.002%
230	15.197	15.171	15.235	VV	1039	17634	0.22%	0.011%
231	15.245	15.235	15.281	VV	151	3015	0.04%	0.002%
232	15.342	15.281	15.366	VV	275	8940	0.11%	0.006%
233	15.376	15.366	15.459	VV	345	12138	0.15%	0.008%
234	15.512	15.459	15.521	VV	427	9309	0.12%	0.006%
235	15.548	15.521	15.616	VV	479	17804	0.22%	0.011%
236	15.700	15.616	15.845	VV	522815	6989750	88.09%	4.365%
237	15.890	15.845	15.902	VV	174	4094	0.05%	0.003%
238	15.910	15.902	15.929	VV	131	1298	0.02%	0.001%
239	15.940	15.929	15.965	PV	53	842	0.01%	0.001%
240	15.984	15.965	15.994	PV	113	1092	0.01%	0.001%
241	16.004	15.994	16.023	VV	67	855	0.01%	0.001%
242	16.047	16.023	16.081	VV	260	3488	0.04%	0.002%
243	16.088	16.081	16.097	VV	149	1136	0.01%	0.001%
244	16.139	16.097	16.154	VV	40793	512359	6.46%	0.320%
245	16.171	16.154	16.243	VV	44769	659297	8.31%	0.412%
246	16.253	16.243	16.311	VV	980	23654	0.30%	0.015%

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247	16.399	16.311	16.416	VV	561	28368	0.36%	0.018%
248	16.420	16.416	16.461	VV	495	8461	0.11%	0.005%
249	16.475	16.461	16.483	VV	378	4534	0.06%	0.003%
250	16.520	16.483	16.584	VV	33809	559739	7.05%	0.350%
251	16.648	16.584	16.762	VV	482221	6723176	84.73%	4.199%
252	16.770	16.762	16.845	VV	419	12183	0.15%	0.008%
253	16.854	16.845	16.877	VV	203	2542	0.03%	0.002%
254	16.894	16.877	16.907	PV	241	2691	0.03%	0.002%
255	17.094	16.907	17.133	VV	1317	35022	0.44%	0.022%
256	17.142	17.133	17.155	VV	145	1873	0.02%	0.001%
257	17.185	17.155	17.195	VV	225	4042	0.05%	0.003%
258	17.208	17.195	17.245	VV	244	4979	0.06%	0.003%
259	17.327	17.245	17.363	VV	367	14805	0.19%	0.009%
260	17.373	17.363	17.387	VV	204	2780	0.04%	0.002%
261	17.421	17.387	17.465	VV	5025	80817	1.02%	0.050%
262	17.534	17.465	17.588	VV	463644	6561990	82.70%	4.098%
263	17.617	17.588	17.695	VV	342	13526	0.17%	0.008%
264	17.702	17.695	17.755	VV	230	4051	0.05%	0.003%
265	17.888	17.755	17.908	PV	26121	372175	4.69%	0.232%
266	17.930	17.908	18.098	VV	23525	527239	6.64%	0.329%
267	18.137	18.098	18.283	VV	23737	434920	5.48%	0.272%
268	18.365	18.283	18.431	VV	472530	6289357	79.26%	3.928%
269	18.521	18.431	18.538	VV	320	17452	0.22%	0.011%
270	18.561	18.538	18.645	VV	264	11410	0.14%	0.007%
271	18.757	18.645	18.794	VV	2304	38061	0.48%	0.024%
272	18.952	18.794	18.978	PV	149	7505	0.09%	0.005%
273	19.146	18.978	19.218	PV	391693	5992945	75.53%	3.743%
274	19.398	19.218	19.488	VV	4530	272453	3.43%	0.170%
275	19.517	19.488	19.558	VV	1754	41084	0.52%	0.026%
276	19.700	19.558	19.721	VV	1050	70648	0.89%	0.044%
277	19.782	19.721	19.816	VV	2253	77256	0.97%	0.048%
278	19.885	19.816	19.941	VV	390025	5666971	71.42%	3.539%
279	20.022	19.941	20.044	VV	1927	95856	1.21%	0.060%
280	20.236	20.044	20.268	VV	2957	237053	2.99%	0.148%
281	20.409	20.268	20.461	VV	2817	255562	3.22%	0.160%
282	20.595	20.461	20.668	VV	338017	5685002	71.65%	3.550%
283	20.706	20.668	20.755	VV	2647	132850	1.67%	0.083%
284	20.793	20.755	20.828	VV	2509	107386	1.35%	0.067%
285	20.934	20.828	20.954	VV	2252	171435	2.16%	0.107%
286	20.989	20.954	21.038	VV	2762	113412	1.43%	0.071%
287	21.320	21.038	21.351	VV	1657	327600	4.13%	0.205%
288	21.442	21.351	21.568	VV	230007	5269366	66.41%	3.291%
289	21.630	21.568	21.788	VV	1301	149724	1.89%	0.094%
290	21.796	21.788	21.821	VV	951	15028	0.19%	0.009%
291	21.853	21.821	21.870	VV	679	18930	0.24%	0.012%
292	21.900	21.870	21.921	VV	600	17538	0.22%	0.011%
293	21.948	21.921	22.001	VV	690	24088	0.30%	0.015%
294	22.024	22.001	22.073	VV	361	11409	0.14%	0.007%
295	22.146	22.073	22.178	VV	174	7548	0.10%	0.005%

Sum of corrected areas: 160131197

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015600.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	187		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	311		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	559		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	876		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.8		40 - 140	90%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	37.9		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.6		40 - 140	91%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-06	Acq On:	01 Apr 2025 18:28
Client Sample ID:	P001-BBDGA-001-01MSD	Operator:	YP\AJ
Data file:	FG015600.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	12544178	93.616	200	ug/ml
Aromatic C12-C16	6.330	9.035	21385650	155.927	300	ug/ml
Aromatic C16-C21	9.036	13.365	38992447	279.695	500	ug/ml
Aromatic C21-C36	13.366	18.829	57073405	438.373	800	ug/ml
Aromatic EPH	4.450	18.829	129995680	967.611		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6654637	45.63		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5470618	44.78		ug/ml
2-Flurobiphenyl (SURR)	8.838	8.838	3131353	37.88		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015600.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:28
Operator : YP\AJ
Sample : Q1664-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

Integration File: autoint1.e
Quant Time: Apr 02 01:17:07 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...	7.961	5470618	44.784	ug/ml
Spiked Amount	50.000		Recovery =	89.57%	
6)	S 2-Flurobiphenyl (SURR)	8.838	3131353	37.884	ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	75.77%	
11)	S ortho-Terphenyl (SURR)	11.912	6654637	45.633	ug/ml
Spiked Amount	50.000		Recovery =	91.27%	
	Target Compounds				
1)	T 1,2,3-Trimethylbenzen...	4.552	4802216	36.138	ug/ml
2)	T Naphthalene (C11.7)	6.230	5616627	41.572	ug/ml
3)	T 2-Methylnaphthalene (...	7.331	5357679	40.165	ug/ml
5)	T Acenaphthylene (C15.06)	8.637	6060320	42.790	ug/ml
7)	T Acenaphthene (C15.5)	8.938	6158740	45.141	ug/ml
8)	T Flouorene (C16.55)	9.731	6370928	45.636	ug/ml
9)	T Phenanthrene (C19.36)	11.141	6227758	44.205	ug/ml
10)	T Anthracene (C19.43)	11.218	6110775	44.656	ug/ml
12)	T Fluoranthene (C21.85)	12.970	6275102	44.003	ug/ml
13)	T Pyrene (C20.8)	13.270	6098698	43.465	ug/ml
14)	T Benzo[a]anthracene (C...	15.157	5862710	43.225	ug/ml
15)	T Chrysene (C27.41)	15.200	7245847	51.759	ug/ml
16)	T benzo[b]fluoranthene ...	16.722	6021184	45.567	ug/ml
17)	T Bnezo[k]fluoranthene ...	16.757	6785046	49.694	ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.104	5974259	47.641	ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.481	5643766	50.726	ug/ml
20)	T Dibenz[a,h]anthracene...	18.518	7039853	54.708	ug/ml
21)	T Benzo[g,h,i]perylene ...	18.738	6056609	50.685	ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

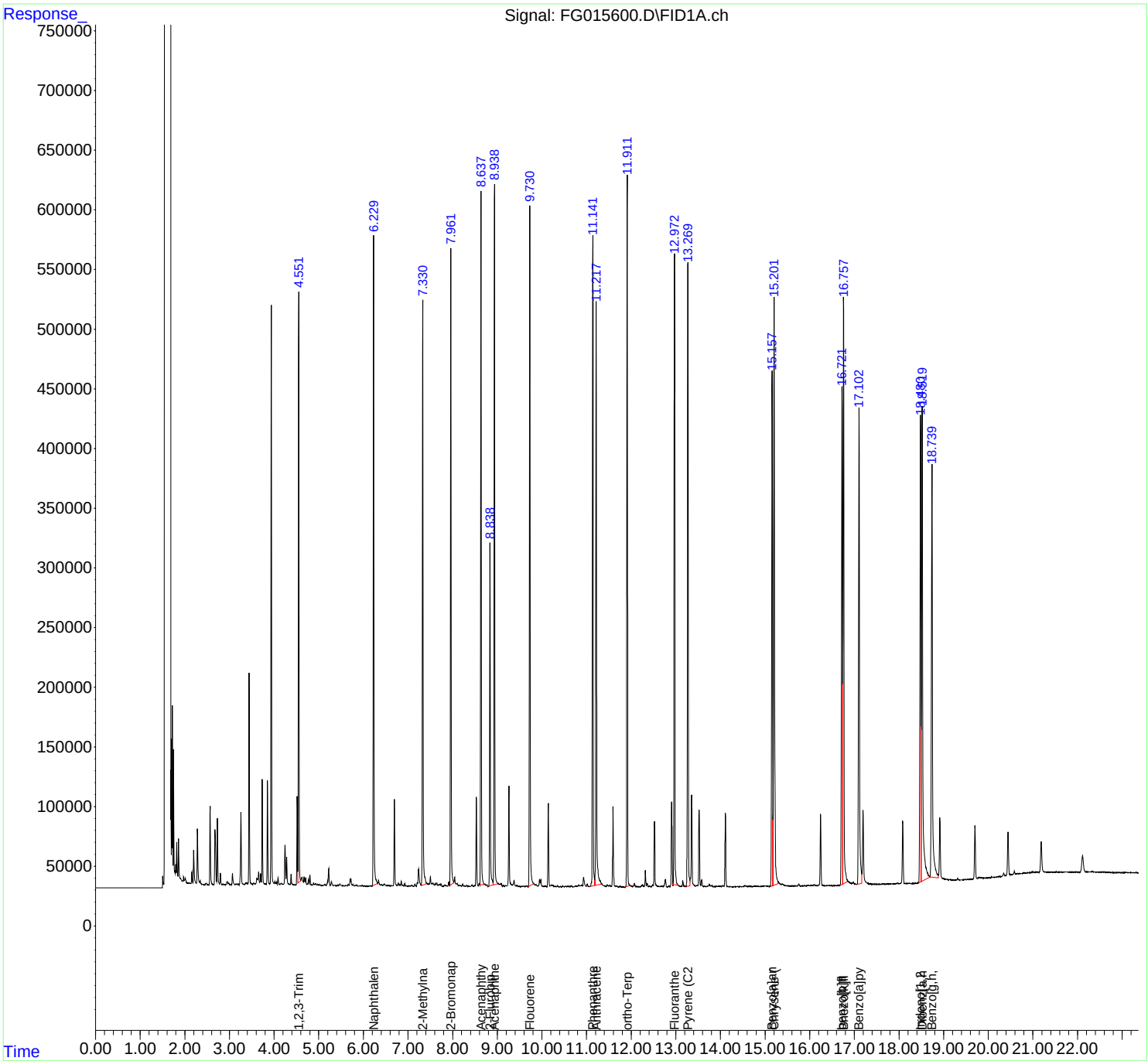
Quantitation Report (QT Reviewed)

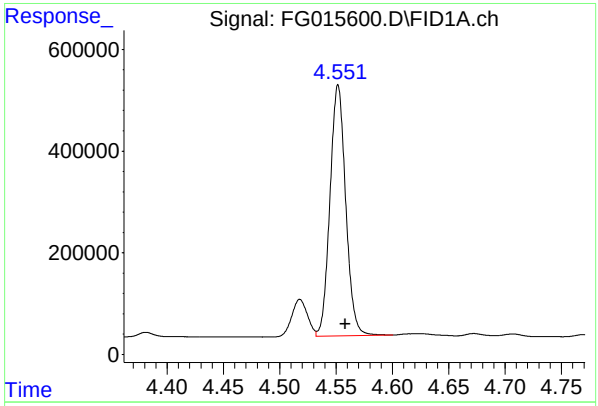
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015600.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:28
Operator : YP\AJ
Sample : Q1664-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

Integration File: autoint1.e
Quant Time: Apr 02 01:17:07 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

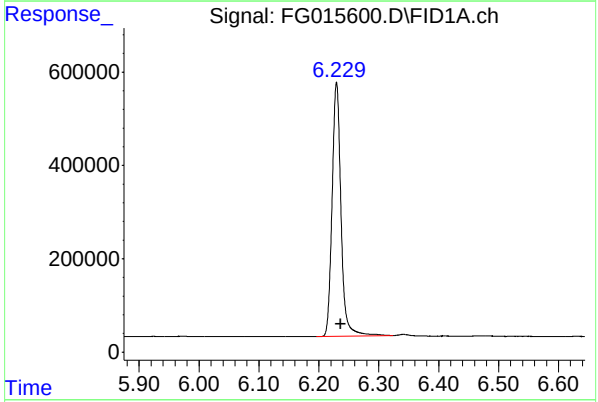




#1 1,2,3-Trimethylbenzene (C10.1)

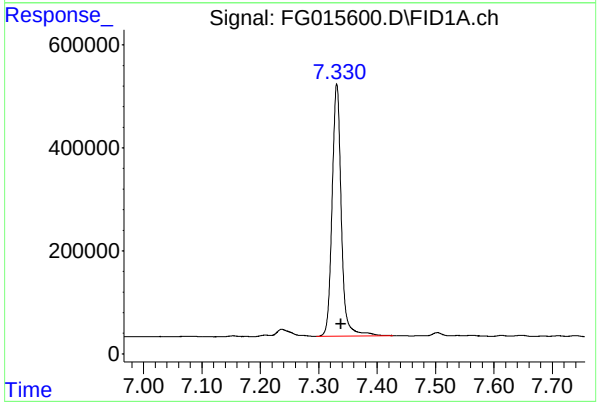
R.T.: 4.552 min
Delta R.T.: -0.006 min
Response: 4802216
Conc: 36.14 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD



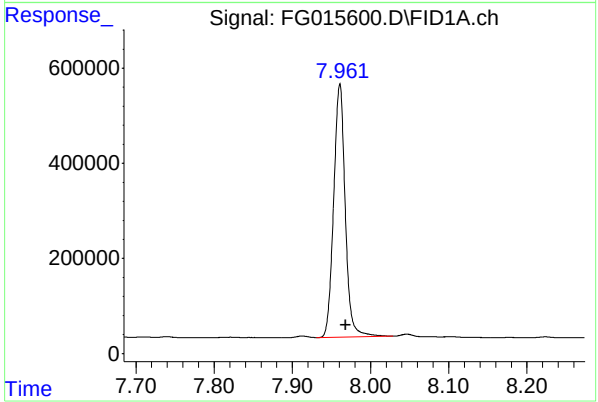
#2 Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: -0.007 min
Response: 5616627
Conc: 41.57 ug/ml



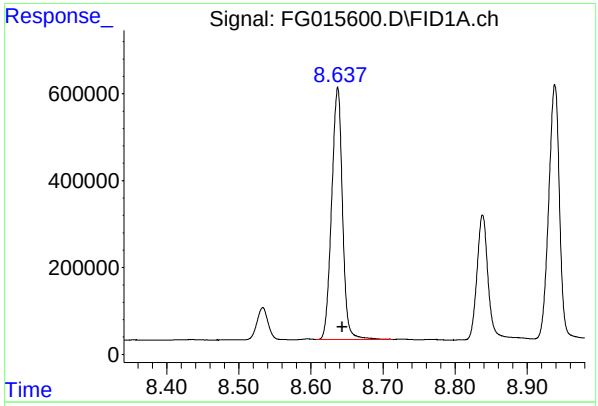
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.007 min
Response: 5357679
Conc: 40.16 ug/ml



#4 2-Bromonaphthalene (SURR)

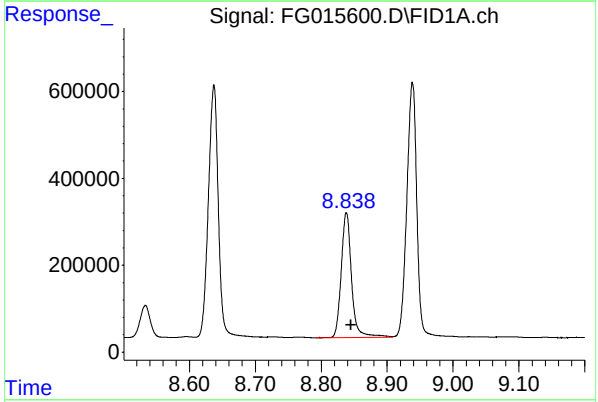
R.T.: 7.961 min
Delta R.T.: -0.007 min
Response: 5470618
Conc: 44.78 ug/ml



#5 Acenaphthylene (C15.06)

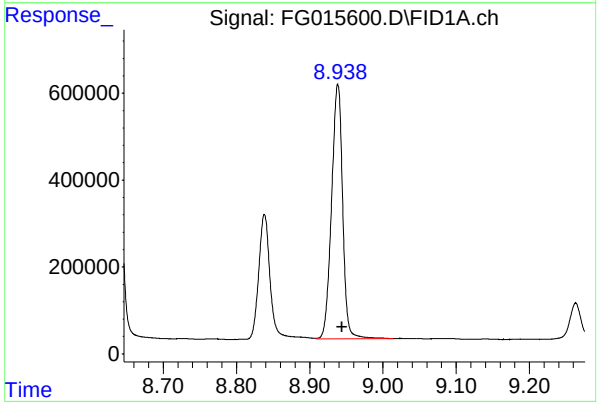
R.T.: 8.637 min
Delta R.T.: -0.007 min
Response: 6060320
Conc: 42.79 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD



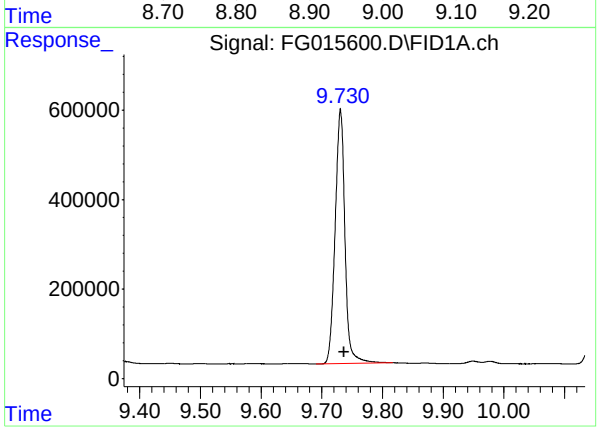
#6 2-Flurobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 3131353
Conc: 37.88 ug/ml



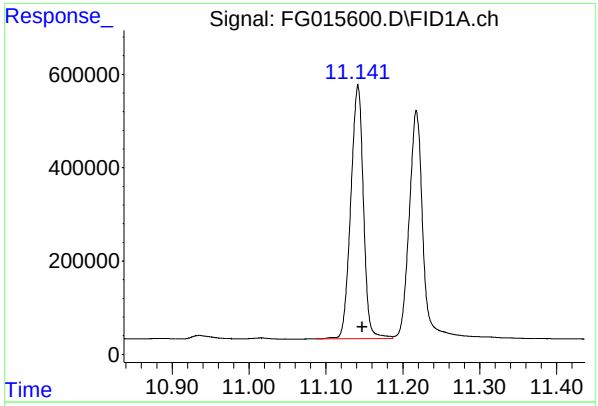
#7 Acenaphthene (C15.5)

R.T.: 8.938 min
Delta R.T.: -0.006 min
Response: 6158740
Conc: 45.14 ug/ml



#8 Flouorene (C16.55)

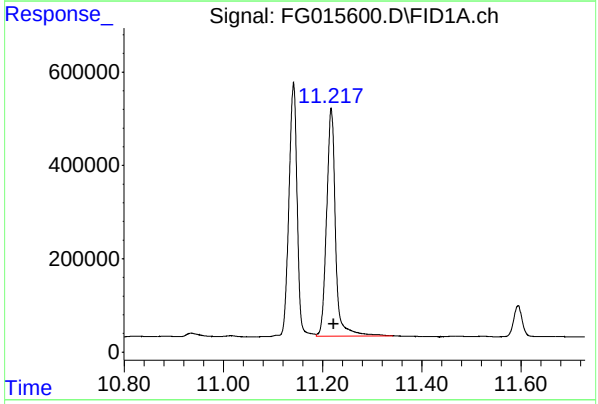
R.T.: 9.731 min
Delta R.T.: -0.006 min
Response: 6370928
Conc: 45.64 ug/ml



#9 Phenanthrene (C19.36)

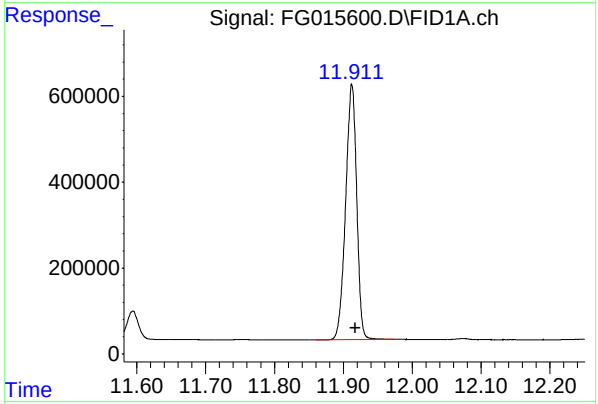
R.T.: 11.141 min
Delta R.T.: -0.006 min
Response: 6227758
Conc: 44.21 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD



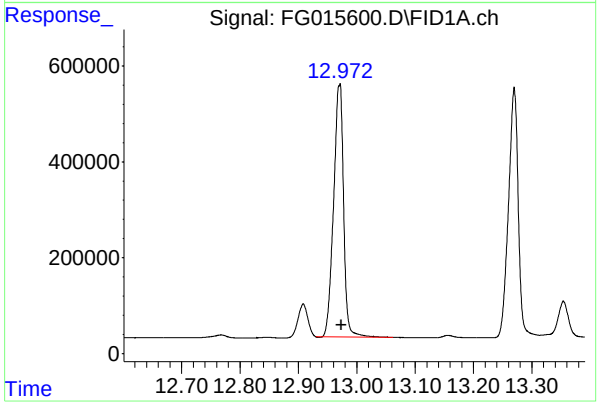
#10 Anthracene (C19.43)

R.T.: 11.218 min
Delta R.T.: -0.005 min
Response: 6110775
Conc: 44.66 ug/ml



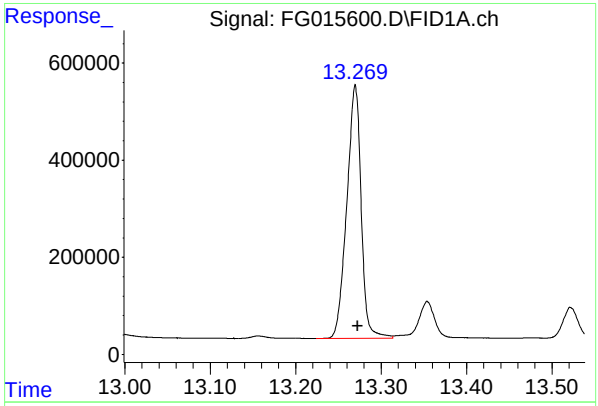
#11 ortho-Terphenyl (SURR)

R.T.: 11.912 min
Delta R.T.: -0.005 min
Response: 6654637
Conc: 45.63 ug/ml



#12 Fluoranthene (C21.85)

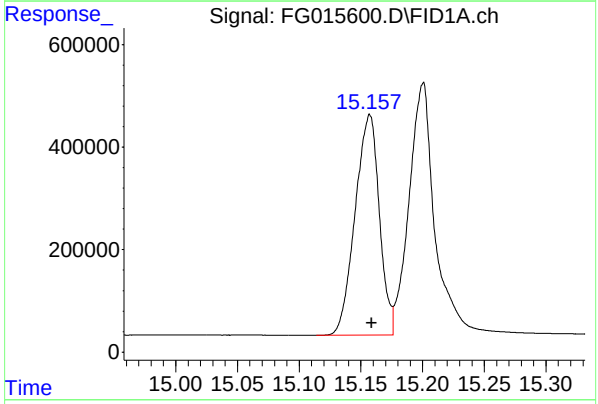
R.T.: 12.970 min
Delta R.T.: -0.004 min
Response: 6275102
Conc: 44.00 ug/ml



#13 Pyrene (C20.8)

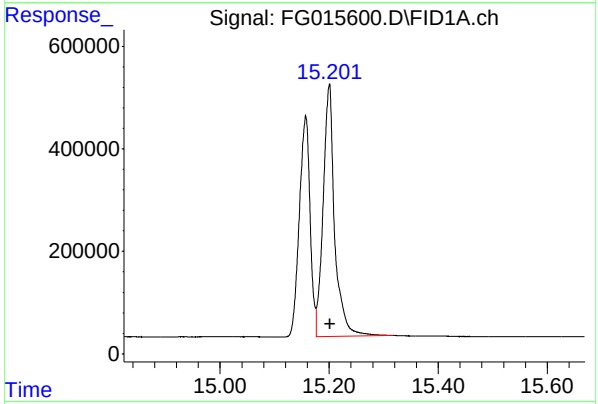
R.T.: 13.270 min
Delta R.T.: -0.003 min
Response: 6098698
Conc: 43.46 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD



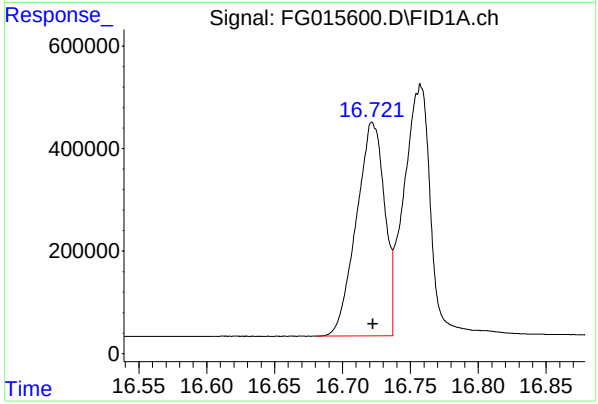
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.157 min
Delta R.T.: -0.002 min
Response: 5862710
Conc: 43.23 ug/ml



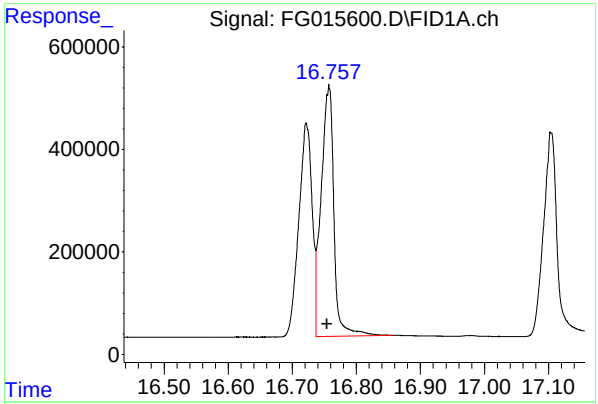
#15 Chrysene (C27.41)

R.T.: 15.200 min
Delta R.T.: -0.001 min
Response: 7245847
Conc: 51.76 ug/ml



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

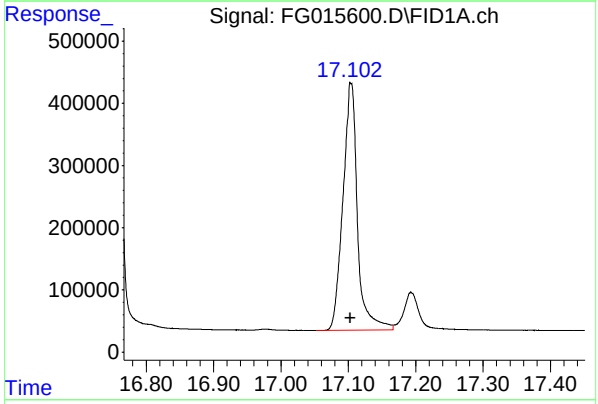
R.T.: 16.722 min
Delta R.T.: 0.000 min
Response: 6021184
Conc: 45.57 ug/ml



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

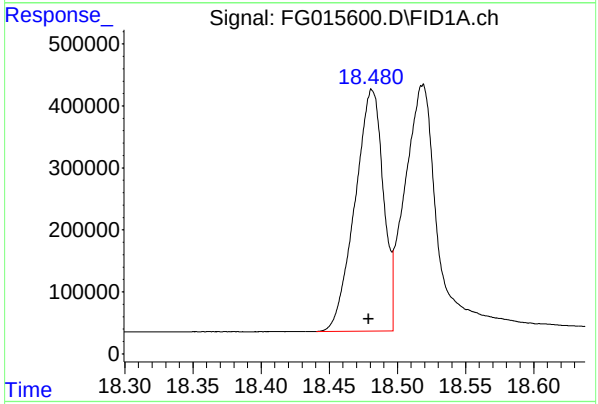
R.T.: 16.757 min
Delta R.T.: 0.003 min
Response: 6785046
Conc: 49.69 ug/ml

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD



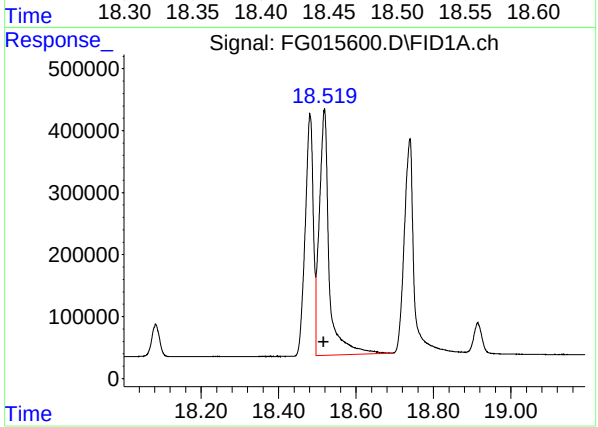
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.104 min
Delta R.T.: 0.000 min
Response: 5974259
Conc: 47.64 ug/ml



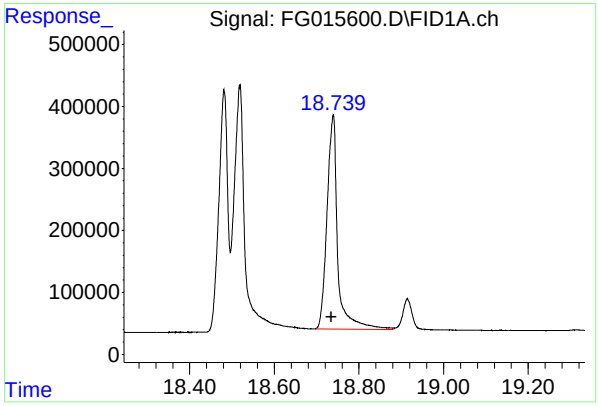
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.481 min
Delta R.T.: 0.002 min
Response: 5643766
Conc: 50.73 ug/ml



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

R.T.: 18.518 min
Delta R.T.: 0.001 min
Response: 7039853
Conc: 54.71 ug/ml



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

R.T.: 18.738 min
Delta R.T.: 0.004 mi
Response: 6056609
Conc: 50.69 ug/m

Instrument :
FID_G
ClientSampleId :
P001-BBDGA-001-01MSD

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
Data File : FG015600.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 18:28
Sample : Q1664-06
Misc :
ALS Vial : 28 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	4.381	4.364	4.449	PV	9000	89917	1.21%	0.061%
2	4.463	4.449	4.492	VV	354	3364	0.05%	0.002%
3	4.518	4.492	4.534	PV	74473	736897	9.88%	0.503%
4	4.552	4.534	4.600	VV	496704	4903004	65.71%	3.350%
5	4.625	4.600	4.657	VV	6773	166965	2.24%	0.114%
6	4.672	4.657	4.691	VV	7062	92493	1.24%	0.063%
7	4.707	4.691	4.732	VV	6139	83635	1.12%	0.057%
8	4.740	4.732	4.752	VV	976	10538	0.14%	0.007%
9	4.770	4.752	4.786	VV	4990	57270	0.77%	0.039%
10	4.804	4.786	4.859	VV	8592	101965	1.37%	0.070%
11	4.884	4.859	4.901	VV	2175	26375	0.35%	0.018%
12	4.931	4.901	4.960	VV	1470	32945	0.44%	0.023%
13	4.979	4.960	4.997	VV	633	9990	0.13%	0.007%
14	5.014	4.997	5.057	VV	862	13264	0.18%	0.009%
15	5.080	5.057	5.091	VV	205	2676	0.04%	0.002%
16	5.106	5.091	5.112	VV	205	2130	0.03%	0.001%
17	5.135	5.112	5.164	VV	918	15478	0.21%	0.011%
18	5.198	5.164	5.205	VV	3438	36850	0.49%	0.025%
19	5.223	5.205	5.264	VV	14238	189921	2.55%	0.130%
20	5.286	5.264	5.327	VV	3295	52543	0.70%	0.036%
21	5.338	5.327	5.352	VV	340	4333	0.06%	0.003%
22	5.356	5.352	5.382	VV	410	4098	0.05%	0.003%
23	5.398	5.382	5.409	VV	157	1411	0.02%	0.001%
24	5.432	5.415	5.449	VV	934	9967	0.13%	0.007%
25	5.472	5.449	5.515	VV	1531	28737	0.39%	0.020%
26	5.523	5.515	5.579	VV	351	6709	0.09%	0.005%
27	5.591	5.579	5.606	VV	284	2796	0.04%	0.002%
28	5.623	5.606	5.642	VV	477	5428	0.07%	0.004%
29	5.662	5.642	5.682	PV	1559	19414	0.26%	0.013%
30	5.706	5.682	5.715	VV	5866	61786	0.83%	0.042%
31	5.723	5.715	5.751	VV	5242	60987	0.82%	0.042%
32	5.766	5.751	5.792	VV	1592	19916	0.27%	0.014%
33	5.835	5.792	5.850	VV	849	17387	0.23%	0.012%
34	5.855	5.850	5.887	VV	611	6681	0.09%	0.005%
35	5.924	5.902	5.947	VV	490	6580	0.09%	0.004%
36	5.973	5.947	6.003	VV	796	10440	0.14%	0.007%

rteres

37	6.009	6.003	6.014	VV	174	1139	0.02%	0.001%
38	6.034	6.020	6.082	VV	308	6153	0.08%	0.004%
39	6.139	6.129	6.146	VV	227	1686	0.02%	0.001%
40	6.166	6.146	6.170	VV	239	3016	0.04%	0.002%
41	6.182	6.170	6.197	VV	351	4447	0.06%	0.003%
42	6.230	6.197	6.324	VV	544418	5722764	76.70%	3.910%
43	6.342	6.324	6.394	VV	4878	103060	1.38%	0.070%
44	6.411	6.394	6.440	VV	1398	32235	0.43%	0.022%
45	6.478	6.440	6.514	VV	1900	55814	0.75%	0.038%
46	6.521	6.514	6.529	VV	743	6458	0.09%	0.004%
47	6.545	6.529	6.570	VV	738	15427	0.21%	0.011%
48	6.576	6.570	6.582	VV	573	3486	0.05%	0.002%
49	6.586	6.582	6.599	VV	582	5169	0.07%	0.004%
50	6.601	6.599	6.614	VV	499	3765	0.05%	0.003%
51	6.630	6.614	6.667	VV	745	17922	0.24%	0.012%
52	6.697	6.667	6.762	VV	73189	809575	10.85%	0.553%
53	6.784	6.762	6.807	VV	2907	43722	0.59%	0.030%
54	6.820	6.807	6.833	VV	1677	19085	0.26%	0.013%
55	6.851	6.833	6.873	VV	4468	53718	0.72%	0.037%
56	6.885	6.873	6.906	VV	1308	15773	0.21%	0.011%
57	6.926	6.906	6.945	VV	2447	26891	0.36%	0.018%
58	6.956	6.945	6.973	VV	709	8324	0.11%	0.006%
59	6.978	6.973	6.998	VV	297	3488	0.05%	0.002%
60	7.029	6.998	7.054	VV	620	11305	0.15%	0.008%
61	7.080	7.054	7.124	VV	899	20986	0.28%	0.014%
62	7.154	7.132	7.169	VV	1981	22495	0.30%	0.015%
63	7.175	7.169	7.189	VV	742	6734	0.09%	0.005%
64	7.209	7.189	7.218	VV	3297	38126	0.51%	0.026%
65	7.237	7.218	7.296	VV	14642	279575	3.75%	0.191%
66	7.331	7.296	7.435	VV	491938	5496921	73.67%	3.755%
67	7.441	7.435	7.460	VV	2428	32757	0.44%	0.022%
68	7.474	7.460	7.484	VV	2286	29509	0.40%	0.020%
69	7.503	7.484	7.527	VV	8317	116625	1.56%	0.080%
70	7.538	7.527	7.549	VV	2667	32414	0.43%	0.022%
71	7.562	7.549	7.596	VV	3041	57417	0.77%	0.039%
72	7.613	7.596	7.628	VV	2806	36483	0.49%	0.025%
73	7.647	7.628	7.667	VV	3128	47914	0.64%	0.033%
74	7.685	7.667	7.694	VV	1593	20894	0.28%	0.014%
75	7.709	7.694	7.725	VV	2069	30015	0.40%	0.021%
76	7.739	7.725	7.782	VV	2492	35320	0.47%	0.024%
77	7.821	7.782	7.837	VV	1505	28566	0.38%	0.020%
78	7.846	7.837	7.875	VV	875	14328	0.19%	0.010%
79	7.881	7.875	7.894	VV	476	4476	0.06%	0.003%
80	7.913	7.894	7.931	VV	3932	45472	0.61%	0.031%
81	7.961	7.931	8.028	VV	533199	5596464	75.00%	3.823%
82	8.047	8.028	8.072	VV	7847	124745	1.67%	0.085%
83	8.079	8.072	8.089	VV	2379	22716	0.30%	0.016%
84	8.103	8.089	8.161	VV	2563	60882	0.82%	0.042%
85	8.180	8.161	8.199	VV	974	16395	0.22%	0.011%
86	8.224	8.199	8.247	VV	2351	31483	0.42%	0.022%
87	8.257	8.247	8.272	VV	598	7686	0.10%	0.005%
88	8.280	8.272	8.293	VV	636	6450	0.09%	0.004%
89	8.318	8.293	8.344	VV	907	17991	0.24%	0.012%

90	8.354	8.344	8.395	VV	483	7588	0.10%	0.005%
91	8.436	8.395	8.467	VV	1265	27218	0.36%	0.019%
92	8.533	8.467	8.576	VV	75195	838128	11.23%	0.573%
93	8.596	8.576	8.608	VV	2743	35861	0.48%	0.024%
94	8.637	8.608	8.714	VV	582352	6167327	82.65%	4.213%
95	8.726	8.714	8.754	VV	2314	39437	0.53%	0.027%
96	8.767	8.754	8.794	VV	1756	25289	0.34%	0.017%
97	8.838	8.794	8.908	VV	288046	3194588	42.81%	2.183%
98	8.939	8.908	9.014	VV	587821	6285019	84.23%	4.294%
99	9.024	9.014	9.040	VV	2700	39191	0.53%	0.027%
100	9.047	9.040	9.060	VV	2220	23896	0.32%	0.016%
101	9.076	9.060	9.119	VV	2643	66889	0.90%	0.046%
102	9.140	9.119	9.168	VV	1461	25589	0.34%	0.017%
103	9.190	9.168	9.214	VV	1223	22423	0.30%	0.015%
104	9.263	9.214	9.291	VV	84617	943081	12.64%	0.644%
105	9.296	9.291	9.312	VV	3265	35324	0.47%	0.024%
106	9.317	9.312	9.331	VV	2111	19525	0.26%	0.013%
107	9.344	9.331	9.349	VV	1734	17092	0.23%	0.012%
108	9.378	9.349	9.409	VV	5298	94535	1.27%	0.065%
109	9.419	9.409	9.434	VV	910	11566	0.15%	0.008%
110	9.449	9.434	9.480	VV	1393	18565	0.25%	0.013%
111	9.500	9.480	9.532	VV	792	10006	0.13%	0.007%
112	9.547	9.532	9.566	VV	379	4760	0.06%	0.003%
113	9.584	9.566	9.619	VV	681	12008	0.16%	0.008%
114	9.647	9.619	9.658	VV	874	10618	0.14%	0.007%
115	9.667	9.658	9.695	VV	841	9833	0.13%	0.007%
116	9.731	9.695	9.852	VV	568690	6517562	87.35%	4.453%
117	9.871	9.852	9.914	VV	2058	47962	0.64%	0.033%
118	9.949	9.914	9.964	VV	6207	93755	1.26%	0.064%
119	9.977	9.964	10.038	VV	5960	88503	1.19%	0.060%
120	10.069	10.038	10.113	VV	752	20709	0.28%	0.014%
121	10.145	10.113	10.185	VV	70338	795105	10.66%	0.543%
122	10.216	10.185	10.236	VV	1594	38436	0.52%	0.026%
123	10.251	10.236	10.292	VV	1320	27206	0.36%	0.019%
124	10.295	10.292	10.305	VV	515	3255	0.04%	0.002%
125	10.317	10.305	10.332	VV	469	5601	0.08%	0.004%
126	10.349	10.332	10.389	VV	855	12396	0.17%	0.008%
127	10.427	10.404	10.440	VV	360	4873	0.07%	0.003%
128	10.466	10.440	10.492	VV	780	14919	0.20%	0.010%
129	10.495	10.492	10.502	VV	378	1868	0.03%	0.001%
130	10.517	10.502	10.523	VV	448	3997	0.05%	0.003%
131	10.543	10.523	10.556	VV	787	10871	0.15%	0.007%
132	10.577	10.556	10.600	VV	765	14397	0.19%	0.010%
133	10.611	10.600	10.625	VV	519	6735	0.09%	0.005%
134	10.631	10.625	10.643	VV	566	4342	0.06%	0.003%
135	10.664	10.643	10.690	VV	1245	15806	0.21%	0.011%
136	10.701	10.690	10.719	VV	228	2958	0.04%	0.002%
137	10.750	10.719	10.760	VV	897	12268	0.16%	0.008%
138	10.775	10.760	10.781	VV	764	8807	0.12%	0.006%
139	10.784	10.781	10.800	VV	699	6331	0.08%	0.004%
140	10.819	10.800	10.851	VV	1571	35098	0.47%	0.024%
141	10.886	10.851	10.912	VV	1683	43980	0.59%	0.030%

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142	10.935	10.912	10.991	VV	8116	163239	2.19%	0.112%
143	11.016	10.991	11.054	VV	2670	48897	0.66%	0.033%
144	11.142	11.054	11.187	VV	544394	6294060	84.35%	4.300%
145	11.218	11.187	11.436	VV	489730	6370630	85.38%	4.352%
146	11.465	11.436	11.506	VV	1913	51704	0.69%	0.035%
147	11.524	11.506	11.555	VV	1624	30453	0.41%	0.021%
148	11.594	11.555	11.654	VV	67334	829198	11.11%	0.566%
149	11.666	11.654	11.710	VV	970	21844	0.29%	0.015%
150	11.717	11.710	11.731	VV	320	2945	0.04%	0.002%
151	11.752	11.731	11.777	VV	1149	14942	0.20%	0.010%
152	11.790	11.777	11.798	VV	263	2790	0.04%	0.002%
153	11.803	11.798	11.816	VV	267	2203	0.03%	0.002%
154	11.821	11.816	11.839	VV	293	2320	0.03%	0.002%
155	11.912	11.870	11.973	PV	596939	6703738	89.84%	4.580%
156	11.981	11.973	12.042	VV	1711	42012	0.56%	0.029%
157	12.074	12.042	12.099	VV	3290	53908	0.72%	0.037%
158	12.107	12.099	12.125	VV	702	8846	0.12%	0.006%
159	12.142	12.125	12.182	VV	596	15691	0.21%	0.011%
160	12.190	12.182	12.208	VV	491	6718	0.09%	0.005%
161	12.258	12.208	12.290	VV	2268	56895	0.76%	0.039%
162	12.319	12.290	12.341	VV	14027	177928	2.38%	0.122%
163	12.357	12.341	12.383	VV	3245	45928	0.62%	0.031%
164	12.401	12.383	12.417	VV	790	12662	0.17%	0.009%
165	12.421	12.417	12.448	VV	640	8581	0.12%	0.006%
166	12.483	12.448	12.497	VV	1856	35977	0.48%	0.025%
167	12.523	12.497	12.592	VV	54986	691541	9.27%	0.472%
168	12.593	12.592	12.602	VV	797	4399	0.06%	0.003%
169	12.607	12.602	12.625	VV	665	8057	0.11%	0.006%
170	12.639	12.625	12.663	VV	711	14216	0.19%	0.010%
171	12.675	12.663	12.694	VV	822	13292	0.18%	0.009%
172	12.698	12.694	12.711	VV	661	6232	0.08%	0.004%
173	12.715	12.711	12.719	VV	624	3072	0.04%	0.002%
174	12.768	12.719	12.827	VV	6482	119657	1.60%	0.082%
175	12.847	12.827	12.875	VV	1330	18852	0.25%	0.013%
176	12.909	12.875	12.936	VV	71629	856777	11.48%	0.585%
177	12.971	12.936	13.098	VV	527232	6439065	86.29%	4.399%
178	13.106	13.098	13.135	VV	745	13988	0.19%	0.010%
179	13.156	13.135	13.224	VV	5418	92106	1.23%	0.063%
180	13.270	13.224	13.314	VV	521128	6137440	82.25%	4.193%
181	13.354	13.314	13.464	VV	76921	1109932	14.88%	0.758%
182	13.478	13.464	13.492	VV	1510	22010	0.29%	0.015%
183	13.522	13.492	13.555	VV	64182	807452	10.82%	0.552%
184	13.577	13.555	13.620	VV	5971	98794	1.32%	0.067%
185	13.638	13.620	13.699	VV	731	26874	0.36%	0.018%
186	13.753	13.699	13.773	VV	2385	51776	0.69%	0.035%
187	13.809	13.773	13.836	VV	1136	34178	0.46%	0.023%
188	13.863	13.836	13.889	VV	522	13486	0.18%	0.009%
189	13.903	13.889	13.914	VV	582	7576	0.10%	0.005%
190	13.930	13.914	13.944	VV	629	9568	0.13%	0.007%
191	13.983	13.944	14.008	VV	930	25390	0.34%	0.017%
192	14.056	14.008	14.079	VV	1370	30886	0.41%	0.021%
193	14.110	14.079	14.183	VV	61963	806088	10.80%	0.551%
194	14.205	14.183	14.238	VV	272	7100	0.10%	0.005%

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195	14.247	14.238	14.267	VV	199	2033	0.03%	0.001%
196	14.285	14.267	14.303	PV	163	2085	0.03%	0.001%
197	14.327	14.303	14.347	VV	233	4464	0.06%	0.003%
198	14.381	14.347	14.430	VV	470	13827	0.19%	0.009%
199	14.446	14.430	14.464	VV	372	5727	0.08%	0.004%
200	14.476	14.464	14.492	VV	279	4489	0.06%	0.003%
201	14.513	14.492	14.527	VV	581	8987	0.12%	0.006%
202	14.549	14.527	14.626	VV	1282	34097	0.46%	0.023%
203	14.677	14.626	14.714	VV	575	17203	0.23%	0.012%
204	14.754	14.714	14.800	VV	559	20773	0.28%	0.014%
205	14.819	14.800	14.902	VV	550	23647	0.32%	0.016%
206	14.936	14.902	14.952	VV	422	9169	0.12%	0.006%
207	14.993	14.952	15.010	VV	715	17624	0.24%	0.012%
208	15.024	15.010	15.044	VV	640	9840	0.13%	0.007%
209	15.058	15.044	15.113	VV	578	11774	0.16%	0.008%
210	15.157	15.113	15.176	PV	432477	5878619	78.78%	4.016%
211	15.200	15.176	15.367	VV	493663	7461695	100.00%	5.098%
212	15.384	15.367	15.505	VV	1880	88057	1.18%	0.060%
213	15.524	15.505	15.595	VV	636	19895	0.27%	0.014%
214	15.602	15.595	15.618	VV	298	3415	0.05%	0.002%
215	15.637	15.618	15.670	VV	318	8050	0.11%	0.005%
216	15.703	15.670	15.720	VV	408	9506	0.13%	0.006%
217	15.754	15.720	15.792	VV	2089	36482	0.49%	0.025%
218	15.802	15.792	15.835	VV	252	4353	0.06%	0.003%
219	15.912	15.835	15.929	VV	487	19327	0.26%	0.013%
220	15.973	15.929	16.014	VV	695	23675	0.32%	0.016%
221	16.061	16.014	16.074	VV	500	14888	0.20%	0.010%
222	16.099	16.074	16.164	VV	1185	32939	0.44%	0.023%
223	16.203	16.164	16.212	VV	913	14148	0.19%	0.010%
224	16.242	16.212	16.277	VV	60219	759493	10.18%	0.519%
225	16.292	16.277	16.363	VV	687	15236	0.20%	0.010%
226	16.409	16.363	16.424	VV	404	8050	0.11%	0.005%
227	16.434	16.424	16.462	VV	268	4556	0.06%	0.003%
228	16.516	16.462	16.545	PV	157	3980	0.05%	0.003%
229	16.622	16.545	16.642	PV	204	4880	0.07%	0.003%
230	16.722	16.642	16.737	VV	416400	6047098	81.04%	4.131%
231	16.757	16.737	16.957	VV	490576	7076327	94.84%	4.834%
232	16.977	16.957	17.054	VV	2809	78971	1.06%	0.054%
233	17.104	17.054	17.167	VV	397790	6046178	81.03%	4.131%
234	17.193	17.167	17.406	VV	61810	1115842	14.95%	0.762%
235	17.413	17.406	17.448	VV	441	8764	0.12%	0.006%
236	17.481	17.448	17.512	VV	397	11517	0.15%	0.008%
237	17.524	17.512	17.544	VV	303	4449	0.06%	0.003%
238	17.598	17.544	17.619	VV	268	9409	0.13%	0.006%
239	17.646	17.619	17.677	VV	723	14501	0.19%	0.010%
240	17.684	17.677	17.710	VV	270	3752	0.05%	0.003%
241	17.737	17.710	17.764	VV	336	7520	0.10%	0.005%
242	17.774	17.764	17.794	VV	199	2994	0.04%	0.002%
243	17.797	17.794	17.810	VV	169	1254	0.02%	0.001%
244	17.888	17.810	17.912	VV	374	16323	0.22%	0.011%
245	17.935	17.912	17.952	VV	406	8376	0.11%	0.006%
246	17.975	17.952	18.010	VV	847	16665	0.22%	0.011%

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247	18.083	18.010	18.132	VV	52756	744960	9.98%	0.509%
248	18.146	18.132	18.165	VV	352	4936	0.07%	0.003%
249	18.240	18.165	18.273	VV	278	13898	0.19%	0.009%
250	18.285	18.273	18.298	VV	170	2115	0.03%	0.001%
251	18.306	18.298	18.323	VV	152	1283	0.02%	0.001%
252	18.363	18.323	18.391	PV	203	3738	0.05%	0.003%
253	18.481	18.391	18.497	PV	388940	5660192	75.86%	3.867%
254	18.518	18.497	18.695	VV	397632	7298414	97.81%	4.986%
255	18.738	18.695	18.881	VV	348508	6335768	84.91%	4.329%
256	18.915	18.881	19.000	VBA	51249	792450	10.62%	0.541%
					Sum of corrected areas:	146372837		

Aromatic EPH 031725.M Wed Apr 02 02:29:39 2025

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

Manual Integration Report

Sequence:	FC032625AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068415.D	n-Tetracontane (C40)	yogesh	3/27/2025 8:56:53 AM	mohammad	3/28/2025 1:18:48	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC032825AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FC040125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FF031725AL	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FF032825AL	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FF015742.D	n-Octacosane (C28)	yogesh	3/31/2025 7:45:35 AM	mohammad	4/1/2025 1:30:08	Peak Integrated by Software
20 PPM ALIPHATIC HC	FF015742.D	n-Tetracontane (C40)	yogesh	3/31/2025 7:45:35 AM	mohammad	4/1/2025 1:30:08	Peak Integrated by Software
Q1664-02	FF015748.D	1-chlorooctadecane (SURR)	yogesh	3/31/2025 7:45:37 AM	mohammad	4/1/2025 1:30:08	Peak Integrated by Software
Q1664-03	FF015749.D	1-chlorooctadecane (SURR)	yogesh	3/31/2025 7:45:38 AM	mohammad	4/1/2025 1:30:08	Peak Integrated by Software
20 PPM ALIPHATIC HC	FF015752.D	n-Tetracontane (C40)	yogesh	3/31/2025 7:45:40 AM	mohammad	4/1/2025 1:30:08	Peak Integrated by Software

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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

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

Manual Integration Report

Sequence:	FG032825AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167362BSD	FG015575.D	Fluoranthene (C21.85)	yogesh	3/31/2025 7:44:39 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software
Q1664-01	FG015576.D	2-Flurobiphenyl (SURR)	yogesh	3/31/2025 7:44:41 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software
Q1664-01D	FG015577.D	2-Flurobiphenyl (SURR)	yogesh	3/31/2025 7:44:43 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software
Q1664-03	FG015579.D	2-Flurobiphenyl (SURR)	yogesh	3/31/2025 7:44:44 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software
Q1664-07	FG015580.D	ortho-Terphenyl (SURR)	yogesh	3/31/2025 7:44:45 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software
Q1664-09	FG015581.D	2-Flurobiphenyl (SURR)	yogesh	3/31/2025 7:44:47 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software
Q1664-11	FG015582.D	2-Flurobiphenyl (SURR)	yogesh	3/31/2025 7:44:49 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software
Q1664-21	FG015589.D	ortho-Terphenyl (SURR)	yogesh	3/31/2025 7:44:50 AM	mohammad	4/1/2025 1:30:15	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FG040125AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FG015594.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	4/2/2025 7:49:57 AM	mohammad	4/3/2025 1:38:01	Peak Integrated by Software
Q1664-04	FG015598.D	2-Flurobiphenyl (SURR)	yogesh	4/2/2025 7:49:58 AM	mohammad	4/3/2025 1:38:01	Peak Integrated by Software
Q1664-10	FG015602.D	2-Flurobiphenyl (SURR)	yogesh	4/2/2025 7:50:00 AM	mohammad	4/3/2025 1:38:01	Peak Integrated by Software
Q1664-20	FG015607.D	2-Flurobiphenyl (SURR)	yogesh	4/2/2025 7:50:01 AM	mohammad	4/3/2025 1:38:01	Peak Integrated by Software

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032625AL

Review By	yogesh	Review On	3/26/2025 3:15:44 PM		
Supervise By	mohammad	Supervise On	3/28/2025 1:18:48 AM		
SubDirectory	FC032625AL	HP Acquire Method		HP Processing Method	FC032625AL

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	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068399.D	26 Mar 2025 09:12	YP/AJ	Ok
2	I.BLK	FC068400.D	26 Mar 2025 09:49	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068401.D	26 Mar 2025 10:26	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068402.D	26 Mar 2025 11:05	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068403.D	26 Mar 2025 11:42	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068404.D	26 Mar 2025 12:21	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068405.D	26 Mar 2025 12:59	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068406.D	26 Mar 2025 13:36	YP/AJ	Ok
9	I.BLK	FC068407.D	26 Mar 2025 14:14	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068408.D	26 Mar 2025 14:52	YP/AJ	Ok
11	PB167327BL	FC068409.D	26 Mar 2025 16:02	YP/AJ	Ok
12	PB167327BS	FC068410.D	26 Mar 2025 16:39	YP/AJ	Ok
13	PB167327BSD	FC068411.D	26 Mar 2025 17:17	YP/AJ	Ok
14	Q1625-01	FC068412.D	26 Mar 2025 17:55	YP/AJ	Ok
15	Q1644-03	FC068413.D	26 Mar 2025 18:32	YP/AJ	Ok
16	I.BLK	FC068414.D	26 Mar 2025 19:46	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC068415.D	26 Mar 2025 20:24	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032825AL

Review By	yogesh	Review On	3/28/2025 12:57:05 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:22 AM		
SubDirectory	FC032825AL	HP Acquire Method		HP Processing Method	FC032625AL

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	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068430.D	28 Mar 2025 09:48	YP/AJ	Ok
2	I.BLK	FC068431.D	28 Mar 2025 10:25	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068432.D	28 Mar 2025 11:40	YP/AJ	Ok
4	Q1664-09	FC068433.D	28 Mar 2025 16:48	YP/AJ	Ok
5	Q1664-11	FC068434.D	28 Mar 2025 17:25	YP/AJ	Ok
6	Q1664-13	FC068435.D	28 Mar 2025 18:02	YP/AJ	Ok
7	Q1664-15	FC068436.D	28 Mar 2025 18:39	YP/AJ	Ok
8	Q1664-17	FC068437.D	28 Mar 2025 19:16	YP/AJ	Ok
9	Q1664-19	FC068438.D	28 Mar 2025 19:53	YP/AJ	Ok
10	Q1664-21	FC068439.D	28 Mar 2025 20:30	YP/AJ	Ok
11	I.BLK	FC068440.D	28 Mar 2025 21:44	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC068441.D	28 Mar 2025 22:21	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

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	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068462.D	01 Apr 2025 06:21	YP/AJ	Ok
2	I.BLK	FC068463.D	01 Apr 2025 06:58	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068464.D	01 Apr 2025 07:35	YP/AJ	Ok
4	Q1675-14DL	FC068465.D	01 Apr 2025 08:12	YP/AJ	Ok
5	Q1675-17DL	FC068466.D	01 Apr 2025 08:49	YP/AJ	Ok
6	I.BLK	FC068467.D	01 Apr 2025 10:31	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC068468.D	01 Apr 2025 11:08	YP/AJ	Ok
8	PB167402BL	FC068469.D	01 Apr 2025 16:10	YP/AJ	Ok
9	PB167402BS	FC068470.D	01 Apr 2025 16:46	YP/AJ	Ok
10	PB167402TB	FC068471.D	01 Apr 2025 17:22	YP/AJ	Ok
11	Q1664-04	FC068472.D	01 Apr 2025 17:59	YP/AJ	Ok
12	Q1664-05	FC068473.D	01 Apr 2025 18:36	YP/AJ	Ok
13	Q1664-06	FC068474.D	01 Apr 2025 19:14	YP/AJ	Ok
14	Q1664-08	FC068475.D	01 Apr 2025 19:51	YP/AJ	Ok
15	Q1664-10	FC068476.D	01 Apr 2025 20:27	YP/AJ	Ok
16	Q1664-12	FC068477.D	01 Apr 2025 21:04	YP/AJ	Ok
17	Q1664-14	FC068478.D	01 Apr 2025 21:42	YP/AJ	Ok
18	Q1664-16	FC068479.D	01 Apr 2025 22:19	YP/AJ	Ok
19	Q1664-18	FC068480.D	01 Apr 2025 22:56	YP/AJ	Ok
20	Q1664-20	FC068481.D	01 Apr 2025 23:33	YP/AJ	Ok
21	Q1664-22	FC068482.D	02 Apr 2025 00:09	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

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	

22	I.BLK	FC068483.D	02 Apr 2025 00:47	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC068484.D	02 Apr 2025 01:23	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch 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	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

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF032825AL

Review By	yogesh	Review On	3/28/2025 12:58:21 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:08 AM		
SubDirectory	FF032825AL	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	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015740.D	28 Mar 2025 09:12	YP\AJ	Ok
2	I.BLK	FF015741.D	28 Mar 2025 11:09	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FF015742.D	28 Mar 2025 11:38	YP\AJ	Ok,M
4	PB167362BL	FF015743.D	28 Mar 2025 16:30	YP\AJ	Ok
5	PB167362BS	FF015744.D	28 Mar 2025 16:59	YP\AJ	Ok
6	PB167362BSD	FF015745.D	28 Mar 2025 17:28	YP\AJ	Ok
7	Q1664-01	FF015746.D	28 Mar 2025 17:57	YP\AJ	Ok
8	Q1664-01D	FF015747.D	28 Mar 2025 18:27	YP\AJ	Ok
9	Q1664-02	FF015748.D	28 Mar 2025 18:56	YP\AJ	Ok,M
10	Q1664-03	FF015749.D	28 Mar 2025 19:25	YP\AJ	Ok,M
11	Q1664-07	FF015750.D	28 Mar 2025 19:55	YP\AJ	Ok
12	I.BLK	FF015751.D	28 Mar 2025 20:53	YP\AJ	Ok
13	20 PPM ALIPHATIC HC STD	FF015752.D	28 Mar 2025 21:23	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch 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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG032825AR

Review By	yogesh	Review On	3/28/2025 12:59:54 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:15 AM		
SubDirectory	FG032825AR	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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015570.D	28 Mar 2025 09:12	YP\AJ	Ok
2	I.BLK	FG015571.D	28 Mar 2025 11:09	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG015572.D	28 Mar 2025 12:56	YP\AJ	Ok
4	PB167362BL	FG015573.D	28 Mar 2025 16:30	YP\AJ	Ok
5	PB167362BS	FG015574.D	28 Mar 2025 16:59	YP\AJ	Ok
6	PB167362BSD	FG015575.D	28 Mar 2025 17:28	YP\AJ	Ok,M
7	Q1664-01	FG015576.D	28 Mar 2025 17:57	YP\AJ	Ok,M
8	Q1664-01D	FG015577.D	28 Mar 2025 18:27	YP\AJ	Ok,M
9	Q1664-02	FG015578.D	28 Mar 2025 18:56	YP\AJ	Ok
10	Q1664-03	FG015579.D	28 Mar 2025 19:25	YP\AJ	Ok,M
11	Q1664-07	FG015580.D	28 Mar 2025 19:55	YP\AJ	Ok,M
12	Q1664-09	FG015581.D	28 Mar 2025 20:24	YP\AJ	Ok,M
13	Q1664-11	FG015582.D	28 Mar 2025 20:53	YP\AJ	Ok,M
14	Q1664-13	FG015583.D	28 Mar 2025 21:23	YP\AJ	Ok
15	I.BLK	FG015584.D	28 Mar 2025 22:21	YP\AJ	Ok
16	20 PPM AROMATIC HC STD	FG015585.D	28 Mar 2025 22:51	YP\AJ	Ok
17	Q1664-15	FG015586.D	29 Mar 2025 00:19	YP\AJ	Ok
18	Q1664-17	FG015587.D	29 Mar 2025 00:48	YP\AJ	Ok
19	Q1664-19	FG015588.D	29 Mar 2025 01:18	YP\AJ	Ok
20	Q1664-21	FG015589.D	29 Mar 2025 01:47	YP\AJ	Ok,M
21	I.BLK	FG015590.D	29 Mar 2025 02:17	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG032825AR

Review By	yogesh	Review On	3/28/2025 12:59:54 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:15 AM		
SubDirectory	FG032825AR	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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	20 PPM AROMATIC HC STD	FG015591.D	29 Mar 2025 02:46	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG040125AR

Review By	yogesh	Review On	4/1/2025 2:44:18 PM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:01 AM		
SubDirectory	FG040125AR	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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015592.D	01 Apr 2025 08:12	YP\AJ	Ok
2	I.BLK	FG015593.D	01 Apr 2025 11:36	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG015594.D	01 Apr 2025 14:19	YP\AJ	Ok,M
4	PB167402BL	FG015595.D	01 Apr 2025 16:02	YP\AJ	Ok
5	PB167402BS	FG015596.D	01 Apr 2025 16:31	YP\AJ	Ok
6	PB167402TB	FG015597.D	01 Apr 2025 17:00	YP\AJ	Ok
7	Q1664-04	FG015598.D	01 Apr 2025 17:29	YP\AJ	Ok,M
8	Q1664-05	FG015599.D	01 Apr 2025 17:58	YP\AJ	Ok
9	Q1664-06	FG015600.D	01 Apr 2025 18:28	YP\AJ	Ok
10	Q1664-08	FG015601.D	01 Apr 2025 18:57	YP\AJ	Ok
11	Q1664-10	FG015602.D	01 Apr 2025 19:26	YP\AJ	Ok,M
12	Q1664-12	FG015603.D	01 Apr 2025 19:55	YP\AJ	Ok
13	Q1664-14	FG015604.D	01 Apr 2025 20:25	YP\AJ	Ok
14	Q1664-16	FG015605.D	01 Apr 2025 20:54	YP\AJ	Ok
15	Q1664-18	FG015606.D	01 Apr 2025 21:23	YP\AJ	Ok
16	Q1664-20	FG015607.D	01 Apr 2025 21:53	YP\AJ	Ok,M
17	Q1664-22	FG015608.D	01 Apr 2025 22:22	YP\AJ	Ok
18	I.BLK	FG015609.D	01 Apr 2025 22:51	YP\AJ	Ok
19	20 PPM AROMATIC HC STD	FG015610.D	01 Apr 2025 23:50	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032625AL

Review By	yogesh	Review On	3/26/2025 3:15:44 PM		
Supervise By	mohammad	Supervise On	3/28/2025 1:18:48 AM		
SubDirectory	FC032625AL	HP Acquire Method		HP Processing Method	FC032625AL

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	FC068399.D	26 Mar 2025 09:12		YP/AJ	Ok
2	I.BLK	I.BLK	FC068400.D	26 Mar 2025 09:49		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068401.D	26 Mar 2025 10:26		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068402.D	26 Mar 2025 11:05		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068403.D	26 Mar 2025 11:42		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068404.D	26 Mar 2025 12:21		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068405.D	26 Mar 2025 12:59		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068406.D	26 Mar 2025 13:36		YP/AJ	Ok
9	I.BLK	I.BLK	FC068407.D	26 Mar 2025 14:14		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068408.D	26 Mar 2025 14:52		YP/AJ	Ok
11	PB167327BL	PB167327BL	FC068409.D	26 Mar 2025 16:02		YP/AJ	Ok
12	PB167327BS	PB167327BS	FC068410.D	26 Mar 2025 16:39	naphthalene break down - 5.0, 2-methylnephthalene break down - 4.9	YP/AJ	Ok
13	PB167327BSD	PB167327BSD	FC068411.D	26 Mar 2025 17:17	naphthalene break down - 5.0, 2-methylnephthalene break down - 4.9	YP/AJ	Ok
14	Q1625-01	FRAC-TANK-A1291	FC068412.D	26 Mar 2025 17:55		YP/AJ	Ok
15	Q1644-03	031925	FC068413.D	26 Mar 2025 18:32		YP/AJ	Ok
16	I.BLK	I.BLK	FC068414.D	26 Mar 2025 19:46		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032625AL

Review By	yogesh	Review On	3/26/2025 3:15:44 PM		
Supervise By	mohammad	Supervise On	3/28/2025 1:18:48 AM		
SubDirectory	FC032625AL	HP Acquire Method		HP Processing Method	FC032625AL

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	

17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068415.D	26 Mar 2025 20:24		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032825AL

Review By	yogesh	Review On	3/28/2025 12:57:05 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:22 AM		
SubDirectory	FC032825AL	HP Acquire Method		HP Processing Method	FC032625AL

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	FC068430.D	28 Mar 2025 09:48		YP/AJ	Ok
2	I.BLK	I.BLK	FC068431.D	28 Mar 2025 10:25		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068432.D	28 Mar 2025 11:40		YP/AJ	Ok
4	Q1664-09	P001-BBDGA-002-01	FC068433.D	28 Mar 2025 16:48		YP/AJ	Ok
5	Q1664-11	P001-BBDGA-003-01	FC068434.D	28 Mar 2025 17:25		YP/AJ	Ok
6	Q1664-13	P001-BBDGA-004-01	FC068435.D	28 Mar 2025 18:02		YP/AJ	Ok
7	Q1664-15	P001-BBDGA-005-01	FC068436.D	28 Mar 2025 18:39		YP/AJ	Ok
8	Q1664-17	P001-BBDGA-006-01	FC068437.D	28 Mar 2025 19:16		YP/AJ	Ok
9	Q1664-19	P001-BBDGA-007-01	FC068438.D	28 Mar 2025 19:53		YP/AJ	Ok
10	Q1664-21	P001-BBDGA-008-01	FC068439.D	28 Mar 2025 20:30		YP/AJ	Ok
11	I.BLK	I.BLK	FC068440.D	28 Mar 2025 21:44		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068441.D	28 Mar 2025 22:21		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

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	FC068462.D	01 Apr 2025 06:21		YP/AJ	Ok
2	I.BLK	I.BLK	FC068463.D	01 Apr 2025 06:58		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068464.D	01 Apr 2025 07:35		YP/AJ	Ok
4	Q1675-14DL	D2DL	FC068465.D	01 Apr 2025 08:12		YP/AJ	Ok
5	Q1675-17DL	D5DL	FC068466.D	01 Apr 2025 08:49		YP/AJ	Ok
6	I.BLK	I.BLK	FC068467.D	01 Apr 2025 10:31		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068468.D	01 Apr 2025 11:08		YP/AJ	Ok
8	PB167402BL	PB167402BL	FC068469.D	01 Apr 2025 16:10		YP/AJ	Ok
9	PB167402BS	PB167402BS	FC068470.D	01 Apr 2025 16:46	naphthalene break down - 5, 2-methylnephthalene break down - 4.80	YP/AJ	Ok
10	PB167402TB	PB167402TB	FC068471.D	01 Apr 2025 17:22		YP/AJ	Ok
11	Q1664-04	P001-BBDGA-001-01	FC068472.D	01 Apr 2025 17:59		YP/AJ	Ok
12	Q1664-05	P001-BBDGA-001-01MS	FC068473.D	01 Apr 2025 18:36	FC068472.D	YP/AJ	Ok
13	Q1664-06	P001-BBDGA-001-01MSD	FC068474.D	01 Apr 2025 19:14	FC068472.D!FC068473.D	YP/AJ	Ok
14	Q1664-08	P001-BBDGA-001-02	FC068475.D	01 Apr 2025 19:51		YP/AJ	Ok
15	Q1664-10	P001-BBDGA-002-01	FC068476.D	01 Apr 2025 20:27		YP/AJ	Ok
16	Q1664-12	P001-BBDGA-003-01	FC068477.D	01 Apr 2025 21:04		YP/AJ	Ok
17	Q1664-14	P001-BBDGA-004-01	FC068478.D	01 Apr 2025 21:42		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

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	

18	Q1664-16	P001-BBDGA-005-01	FC068479.D	01 Apr 2025 22:19		YP/AJ	Ok
19	Q1664-18	P001-BBDGA-006-01	FC068480.D	01 Apr 2025 22:56		YP/AJ	Ok
20	Q1664-20	P001-BBDGA-007-01	FC068481.D	01 Apr 2025 23:33		YP/AJ	Ok
21	Q1664-22	P001-BBDGA-008-01	FC068482.D	02 Apr 2025 00:09		YP/AJ	Ok
22	I.BLK	I.BLK	FC068483.D	02 Apr 2025 00:47		YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	20 PPM ALIPHATIC HC STD	FC068484.D	02 Apr 2025 01:23		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch 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 H	100 PPM ALIPHATIC H	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

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF032825AL

Review By	yogesh	Review On	3/28/2025 12:58:21 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:08 AM		
SubDirectory	FF032825AL	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	FF015740.D	28 Mar 2025 09:12		YP\AJ	Ok
2	I.BLK	I.BLK	FF015741.D	28 Mar 2025 11:09		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015742.D	28 Mar 2025 11:38		YP\AJ	Ok,M
4	PB167362BL	PB167362BL	FF015743.D	28 Mar 2025 16:30		YP\AJ	Ok
5	PB167362BS	PB167362BS	FF015744.D	28 Mar 2025 16:59	naphthalene break down - 3.90, 2-methylnephthalene break down - 0.40	YP\AJ	Ok
6	PB167362BSD	PB167362BSD	FF015745.D	28 Mar 2025 17:28	naphthalene break down - 3.40, 2-methylnephthalene break down - 0.30	YP\AJ	Ok
7	Q1664-01	P001-BBDGA-001-01	FF015746.D	28 Mar 2025 17:57		YP\AJ	Ok
8	Q1664-01D	Q1664-01D	FF015747.D	28 Mar 2025 18:27		YP\AJ	Ok
9	Q1664-02	P001-BBDGA-001-01M	FF015748.D	28 Mar 2025 18:56	FF015746.D	YP\AJ	Ok,M
10	Q1664-03	P001-BBDGA-001-01M	FF015749.D	28 Mar 2025 19:25	FF015746.D!FF015748.D	YP\AJ	Ok,M
11	Q1664-07	P001-BBDGA-001-02	FF015750.D	28 Mar 2025 19:55		YP\AJ	Ok
12	I.BLK	I.BLK	FF015751.D	28 Mar 2025 20:53		YP\AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015752.D	28 Mar 2025 21:23		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch 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	
ICV/I.BLK	PP23969,PP24206
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 H	100 PPM AROMATIC H	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

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG032825AR

Review By	yogesh	Review On	3/28/2025 12:59:54 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:15 AM		
SubDirectory	FG032825AR	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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015570.D	28 Mar 2025 09:12		YP\AJ	Ok
2	I.BLK	I.BLK	FG015571.D	28 Mar 2025 11:09		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015572.D	28 Mar 2025 12:56		YP\AJ	Ok
4	PB167362BL	PB167362BL	FG015573.D	28 Mar 2025 16:30		YP\AJ	Ok
5	PB167362BS	PB167362BS	FG015574.D	28 Mar 2025 16:59	naphthalene break down - 3.90, 2-methylnephthalene break down - 0.40	YP\AJ	Ok
6	PB167362BSD	PB167362BSD	FG015575.D	28 Mar 2025 17:28	naphthalene break down - 3.40, 2-methylnephthalene break down - 0.30	YP\AJ	Ok,M
7	Q1664-01	P001-BBDGA-001-01	FG015576.D	28 Mar 2025 17:57		YP\AJ	Ok,M
8	Q1664-01D	Q1664-01D	FG015577.D	28 Mar 2025 18:27		YP\AJ	Ok,M
9	Q1664-02	P001-BBDGA-001-01M	FG015578.D	28 Mar 2025 18:56	FG015576.D	YP\AJ	Ok
10	Q1664-03	P001-BBDGA-001-01M	FG015579.D	28 Mar 2025 19:25	FG015576.D!FG015578.D	YP\AJ	Ok,M
11	Q1664-07	P001-BBDGA-001-02	FG015580.D	28 Mar 2025 19:55		YP\AJ	Ok,M
12	Q1664-09	P001-BBDGA-002-01	FG015581.D	28 Mar 2025 20:24		YP\AJ	Ok,M
13	Q1664-11	P001-BBDGA-003-01	FG015582.D	28 Mar 2025 20:53		YP\AJ	Ok,M
14	Q1664-13	P001-BBDGA-004-01	FG015583.D	28 Mar 2025 21:23		YP\AJ	Ok
15	I.BLK	I.BLK	FG015584.D	28 Mar 2025 22:21		YP\AJ	Ok
16	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015585.D	28 Mar 2025 22:51		YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG032825AR

Review By	yogesh	Review On	3/28/2025 12:59:54 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:15 AM		
SubDirectory	FG032825AR	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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1664-15	P001-BBDGA-005-01	FG015586.D	29 Mar 2025 00:19		YP\AJ	Ok
18	Q1664-17	P001-BBDGA-006-01	FG015587.D	29 Mar 2025 00:48		YP\AJ	Ok
19	Q1664-19	P001-BBDGA-007-01	FG015588.D	29 Mar 2025 01:18		YP\AJ	Ok
20	Q1664-21	P001-BBDGA-008-01	FG015589.D	29 Mar 2025 01:47		YP\AJ	Ok,M
21	I.BLK	I.BLK	FG015590.D	29 Mar 2025 02:17		YP\AJ	Ok
22	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015591.D	29 Mar 2025 02:46		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG040125AR

Review By	yogesh	Review On	4/1/2025 2:44:18 PM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:01 AM		
SubDirectory	FG040125AR	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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015592.D	01 Apr 2025 08:12		YP\AJ	Ok
2	I.BLK	I.BLK	FG015593.D	01 Apr 2025 11:36		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015594.D	01 Apr 2025 14:19		YP\AJ	Ok,M
4	PB167402BL	PB167402BL	FG015595.D	01 Apr 2025 16:02		YP\AJ	Ok
5	PB167402BS	PB167402BS	FG015596.D	01 Apr 2025 16:31	naphthalene break down - 5, 2-methylnephthalene break down - 4.80	YP\AJ	Ok
6	PB167402TB	PB167402TB	FG015597.D	01 Apr 2025 17:00		YP\AJ	Ok
7	Q1664-04	P001-BBDGA-001-01	FG015598.D	01 Apr 2025 17:29		YP\AJ	Ok,M
8	Q1664-05	P001-BBDGA-001-01MS	FG015599.D	01 Apr 2025 17:58	FG015598.D	YP\AJ	Ok
9	Q1664-06	P001-BBDGA-001-01MSD	FG015600.D	01 Apr 2025 18:28	FG015598.D!FG015599.D	YP\AJ	Ok
10	Q1664-08	P001-BBDGA-001-02	FG015601.D	01 Apr 2025 18:57		YP\AJ	Ok
11	Q1664-10	P001-BBDGA-002-01	FG015602.D	01 Apr 2025 19:26		YP\AJ	Ok,M
12	Q1664-12	P001-BBDGA-003-01	FG015603.D	01 Apr 2025 19:55		YP\AJ	Ok
13	Q1664-14	P001-BBDGA-004-01	FG015604.D	01 Apr 2025 20:25		YP\AJ	Ok
14	Q1664-16	P001-BBDGA-005-01	FG015605.D	01 Apr 2025 20:54		YP\AJ	Ok
15	Q1664-18	P001-BBDGA-006-01	FG015606.D	01 Apr 2025 21:23		YP\AJ	Ok
16	Q1664-20	P001-BBDGA-007-01	FG015607.D	01 Apr 2025 21:53		YP\AJ	Ok,M
17	Q1664-22	P001-BBDGA-008-01	FG015608.D	01 Apr 2025 22:22		YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG040125AR

Review By	yogesh	Review On	4/1/2025 2:44:18 PM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:01 AM		
SubDirectory	FG040125AR	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	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	I.BLK	I.BLK	FG015609.D	01 Apr 2025 22:51		YP\AJ	Ok
19	20 PPM AROMATIC HC STD	20 PPM AROMATIC HC STD	FG015610.D	01 Apr 2025 23:50		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 03/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135218

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
Q1664-01	P001-BBDGA-001-01	1	1.15	11.21	12.36	11.44	91.8	
Q1664-02	Q1664-01MS	2	1.15	11.21	12.36	11.44	91.8	
Q1664-03	Q1664-01MSD	3	1.15	11.21	12.36	11.44	91.8	
Q1664-07	P001-BBDGA-001-02	4	1.15	10.16	11.31	10.5	92.0	
Q1664-09	P001-BBDGA-002-01	5	1.16	10.35	11.51	10.84	93.5	
Q1664-11	P001-BBDGA-003-01	6	1.18	10.46	11.64	11.08	94.6	
Q1664-13	P001-BBDGA-004-01	7	1.13	10.13	11.26	10.79	95.4	
Q1664-15	P001-BBDGA-005-01	8	1.19	10.75	11.94	11.05	91.7	
Q1664-17	P001-BBDGA-006-01	9	1.19	10.99	12.18	11.51	93.9	
Q1664-19	P001-BBDGA-007-01	10	1.18	10.24	11.42	10.68	92.8	
Q1664-21	P001-BBDGA-008-01	11	1.14	11.34	12.48	11.8	94.0	
Q1671-01	WC-1	12	1.15	10.43	11.58	9.86	83.5	
Q1671-02	WC-1-EPH	13	1.16	10.32	11.48	10.02	85.9	
Q1671-03	WC-1-VOC	14	1.18	10.53	11.71	10.12	84.9	

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

WORKLIST(Hardcopy Internal Chain)

VB 135218

WorkList Name : %1-032725 **WorkList ID :** 188585 **Department :** Wet-Chemistry **Date :** 03-27-2025 08:23:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-01	P001-BBDGA-001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-02	Q1664-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-03	Q1664-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-07	P001-BBDGA-001-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-09	P001-BBDGA-002-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-11	P001-BBDGA-003-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-13	P001-BBDGA-004-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-15	P001-BBDGA-005-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-17	P001-BBDGA-006-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-19	P001-BBDGA-007-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-21	P001-BBDGA-008-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1671-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1671-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1671-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO

Date/Time 03/27/25 15:25
Raw Sample Received by: JB WC1
Raw Sample Relinquished by: [signature]

Date/Time 03/27/25 17:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: JB WC1

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB167372

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-2

TCLP Filter ID : 115525

Start Prep Date : 03/28/2025 **Time :** 15:20

End Prep Date : 03/29/2025 **Time :** 09:50

Combination Ratio : 20 TB

ZHE Cleaning Batch : ~~N/A~~

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : TB

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	N/A	WP110806
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-2 checked,30 rpm. Particle size reduction is not required. Matrix spikes are added after fiftration and before preservation.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/31/25 10:30	TB ICP ROOM	SIGN.
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB167372

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167372TB	LEB372	20	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q1664-04	P001-BBDGA-001-01	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-05	Q1664-04MS	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-06	Q1664-04MSD	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-08	P001-BBDGA-001-02	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-10	P001-BBDGA-002-01	13	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-12	P001-BBDGA-003-01	14	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1664-14	P001-BBDGA-004-01	15	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-16	P001-BBDGA-005-01	16	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-18	P001-BBDGA-006-01	17	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1664-20	P001-BBDGA-007-01	18	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-22	P001-BBDGA-008-01	19	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167372TB	LEB372	N/A	N/A	N/A	N/A	N/A	N/A
Q1664-04	P001-BBDGA-001-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-05	Q1664-04MS	N/A	N/A	N/A	N/A	100	N/A
Q1664-06	Q1664-04MSD	N/A	N/A	N/A	N/A	100	N/A
Q1664-08	P001-BBDGA-001-02	N/A	N/A	N/A	N/A	100	N/A
Q1664-10	P001-BBDGA-002-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-12	P001-BBDGA-003-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-14	P001-BBDGA-004-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-16	P001-BBDGA-005-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-18	P001-BBDGA-006-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-20	P001-BBDGA-007-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-22	P001-BBDGA-008-01	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB167372

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167372TB	LEB372	N/A	N/A	N/A	N/A	#1	4.24
Q1664-04	P001-BBDGA-001-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-05	Q1664-04MS	N/A	N/A	N/A	N/A	#1	4.24
Q1664-06	Q1664-04MSD	N/A	N/A	N/A	N/A	#1	4.24
Q1664-08	P001-BBDGA-001-02	N/A	N/A	N/A	N/A	#1	4.24
Q1664-10	P001-BBDGA-002-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-12	P001-BBDGA-003-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-14	P001-BBDGA-004-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-16	P001-BBDGA-005-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-18	P001-BBDGA-006-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-20	P001-BBDGA-007-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-22	P001-BBDGA-008-01	N/A	N/A	N/A	N/A	#1	4.24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SPLP Q1664 **WorkList ID :** 188612 **Department :** TCLP Extraction **Date :** 03-28-2025 12:15:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-04	P001-BBDGA-001-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-05	Q1664-04MS	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-06	Q1664-04MSD	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-08	P001-BBDGA-001-02	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-10	P001-BBDGA-002-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-12	P001-BBDGA-003-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-14	P001-BBDGA-004-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-16	P001-BBDGA-005-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-18	P001-BBDGA-006-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-20	P001-BBDGA-007-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-22	P001-BBDGA-008-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312

Date/Time 03/28/25 12:40

Raw Sample Received by: (COC)

Raw Sample Relinquished by:

Date/Time 03/28/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by: (COC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167362

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 03/28/2025

Extraction Start Time : 08:10

Extraction End Date : 03/28/2025

Extraction End Time : 16:10

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared 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	PP24403
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
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot#2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/28/25 16:15	RP (Sep. 2024)	M-P Pest/PCB
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167362

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167362BL	PB167362BL	EPH	30.02	N/A	ritesh	Evelyn	2			U2-1
PB167362BS	PB167362BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB167362BSD	PB167362BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q1664-01	P001-BBDGA-001-01	EPH	30.06	N/A	ritesh	Evelyn	2	G		4
Q1664-01DUP	P001-BBDGA-001-01DUP	EPH	30.08	N/A	ritesh	Evelyn	2	G		5
Q1664-02	Q1664-01MS	EPH	30.05	N/A	ritesh	Evelyn	2	G		6
Q1664-03	Q1664-01MSD	EPH	30.03	N/A	ritesh	Evelyn	2	G		U3-1
Q1664-07	P001-BBDGA-001-02	EPH	30.02	N/A	ritesh	Evelyn	2	G		2
Q1664-09	P001-BBDGA-002-01	EPH	30.04	N/A	ritesh	Evelyn	2	G		3
Q1664-11	P001-BBDGA-003-01	EPH	30.01	N/A	ritesh	Evelyn	2	G		4
Q1664-13	P001-BBDGA-004-01	EPH	30.03	N/A	ritesh	Evelyn	2	G		5
Q1664-15	P001-BBDGA-005-01	EPH	30.06	N/A	ritesh	Evelyn	2	G		6
Q1664-17	P001-BBDGA-006-01	EPH	30.02	N/A	ritesh	Evelyn	2	G		U6-1
Q1664-19	P001-BBDGA-007-01	EPH	30.05	N/A	ritesh	Evelyn	2	G		2
Q1664-21	P001-BBDGA-008-01	EPH	30.04	N/A	ritesh	Evelyn	2	G		3

* **Extracts relinquished on the same date as received.**

3/28/25

ENV 167362 4/1/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1664 **WorkList ID :** 188602 **Department :** Extraction **Date :** 03-28-2025 08:04:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1657-01	72-11998	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/26/2025	NJEPH
Q1657-02	72-11998-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/26/2025	NJEPH
Q1664-01	P001-BBDGA-001-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-02	Q1664-01MS	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-03	Q1664-01MSD	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-07	P001-BBDGA-001-02	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-09	P001-BBDGA-002-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-11	P001-BBDGA-003-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-13	P001-BBDGA-004-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-15	P001-BBDGA-005-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-17	P001-BBDGA-006-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-19	P001-BBDGA-007-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1664-21	P001-BBDGA-008-01	Solid	EPH	Cool 4 deg C	ROYF02	I31	03/26/2025	NJEPH
Q1671-01	WC-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/27/2025	NJEPH
Q1671-02	WC-1-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/27/2025	NJEPH

Date/Time 03/28/25 8:05
Raw Sample Received by: RT (Spotless)
Raw Sample Relinquished by: SH

Date/Time 03/28/25 8:40
Raw Sample Received by: SH
Raw Sample Relinquished by: RT (Spotless)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167402

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/01/2025
Matrix :	Water			**Extraction Start Time :**	08:13
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	04/01/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	15:55
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared 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	PP24403
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3904
Baked Na2SO4	N/A	EP2597
Hexane	N/A	E3914
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/01/25	RP (Ext. Lab)	Y. Pyesh HPCB
16:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167402

Analytical Method: MNJDEP-EPH-7 **Concentration Date:** 04/01/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167402BL	PB167402BL	EPH	1000	<2	ritesh	rajesh	2			SEP-01
PB167402BS	PB167402BS	EPH	1000	<2	ritesh	rajesh	2			2
PB167402TB	PB167402TB	EPH	1000	<2	ritesh	rajesh	2			3
Q1664-04	P001-BBDGA-001-01	EPH	1000	<2	ritesh	rajesh	2	A		4
Q1664-05	Q1664-04MS	EPH	1000	<2	ritesh	rajesh	2	A		5
Q1664-06	Q1664-04MSD	EPH	1000	<2	ritesh	rajesh	2	A		6
Q1664-08	P001-BBDGA-001-02	EPH	1000	<2	ritesh	rajesh	2	A		7
Q1664-10	P001-BBDGA-002-01	EPH	1000	<2	ritesh	rajesh	2	A		8
Q1664-12	P001-BBDGA-003-01	EPH	1000	<2	ritesh	rajesh	2	A		9
Q1664-14	P001-BBDGA-004-01	EPH	1000	<2	ritesh	rajesh	2	A		10
Q1664-16	P001-BBDGA-005-01	EPH	1000	<2	ritesh	rajesh	2	A		11
Q1664-18	P001-BBDGA-006-01	EPH	1000	<2	ritesh	rajesh	2	A		12
Q1664-20	P001-BBDGA-007-01	EPH	1000	<2	ritesh	rajesh	2	A		13
Q1664-22	P001-BBDGA-008-01	EPH	1000	<2	ritesh	rajesh	2	A		14

4.1.25

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB167372

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167372TB	LEB372	20	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q1664-04	P001-BBDGA-001-01	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-05	Q1664-04MS	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-06	Q1664-04MSD	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-08	P001-BBDGA-001-02	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-10	P001-BBDGA-002-01	13	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-12	P001-BBDGA-003-01	14	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1664-14	P001-BBDGA-004-01	15	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-16	P001-BBDGA-005-01	16	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-18	P001-BBDGA-006-01	17	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1664-20	P001-BBDGA-007-01	18	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-22	P001-BBDGA-008-01	19	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

03/31/25
10:30

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

Prep Standard - Chemical Standard Summary

Order ID : Q1664

Test : EPH

Prepbatch ID : PB167362,PB167402,

Sequence ID/Qc Batch ID: FC032825AL,FC040125AL,FF032825AL,FG032825AR,FG040125AR,

Standard ID :
EP2591,EP2595,EP2597,PP23968,PP23969,PP24170,PP24174,PP24175,PP24176,PP24177,PP24178,PP24179,PP24202,PP24203,PP24204,PP24205,PP24206,PP24207,PP24210,PP24403,

Chemical ID :
E2865,E3551,E3757,E3828,E3876,E3878,E3904,E3914,P10260,P11139,P12363,P12981,P12983,P12984,P13279,P13465,P13472,P13602,P13614,P13615,P13638,P13639,P13640,P13641,P13642,P13644,P13646,P13647,P13650,P13651,P13663,P13671,P13680,P13685,P13715,P13717,P13755,P13757,P13759,P13760,P13802,P13803,P13809,P13828,P13836,P13840,P13842,P13846,P13855,P13858,P13859,P13860,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2591	02/26/2025	08/14/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/26/2025

FROM 8000.00000ml of E3876 + 8000.00000ml of E3878 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2595	03/17/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2597	03/28/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Evelyn Huang 03/28/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
782	100 PPM Aromatic HC Working STD	PP23968	11/14/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 11/21/2024

FROM 0.25000ml of P13646 + 0.62500ml of P13465 + 1.25000ml of P10260 + 22.87500ml of E3828 = Final Quantity: 25.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2945	100 PPM Aromatic HC Working STD (Absolute)	PP23969	11/14/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 11/21/2024

FROM 0.25000ml of P13647 + 0.62500ml of P13472 + 1.25000ml of P11139 + 22.87500ml of E3828 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
781	100 PPM Aliphatic HC Working STD (Restek)	PP24170	02/03/2025	08/03/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

FROM 0.25000ml of P12981 + 0.25000ml of P13671 + 1.25000ml of P12363 + 23.25000ml of W3177 = Final Quantity: 25.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2900	100 PPM Aliphatic HC STD (Absolute)	PP24174	02/03/2025	08/03/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

FROM 0.25000ml of P12983 + 0.25000ml of P13650 + 2.50000ml of P13279 + 22.00000ml of W3177 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
783	50 PPM Aliphatic HC STD	PP24175	02/03/2025	08/03/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24170 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
784	20 PPM Aliphatic HC STD	PP24176	02/03/2025	08/03/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

FROM 0.80000ml of W3177 + 0.20000ml of PP24170 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
785	10 PPM Aliphatic HC STD	PP24177	02/03/2025	08/03/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24170 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
786	5 PPM Aliphatic HC STD	PP24178	02/03/2025	08/03/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24175 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2901	20 PPM Aliphaitic HC STD ICV (Absolute)	PP24179	02/03/2025	08/03/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

FROM 0.80000ml of W3177 + 0.20000ml of PP24174 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
787	50 PPM Aromatic HC STD	PP24202	02/25/2025	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 02/27/2025

FROM 0.50000ml of E3878 + 0.50000ml of PP23968 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
788	20 PPM Aromatic HC STD	PP24203	02/25/2025	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 02/27/2025

FROM 0.80000ml of E3878 + 0.20000ml of PP23968 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
789	10 PPM Aromatic HC STD	PP24204	02/25/2025	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 02/27/2025

FROM 0.90000ml of E3878 + 0.10000ml of PP23968 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
790	5 PPM Aromatic HC STD	PP24205	02/25/2025	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 02/27/2025

FROM 0.90000ml of E3878 + 0.10000ml of PP24202 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2946	20 PPM Aromatic HC STD ICV (Absolute)	PP24206	02/25/2025	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 02/27/2025

FROM 0.80000ml of E3878 + 0.20000ml of PP23969 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1330	100 PPM NJEPH Spike Solution	PP24207	02/26/2025	08/26/2025	Yogesh Patel	None	None	Ankita Jodhani 02/27/2025

FROM 5.00000ml of P13638 + 5.00000ml of P13639 + 5.00000ml of P13640 + 5.00000ml of P13641 + 5.00000ml of P13642 + 5.00000ml of P13644 + 5.00000ml of P13715 + 5.00000ml of P13717 + 5.00000ml of P13802 + 5.00000ml of P13803 + 5.00000ml of P13809 + 5.00000ml of P13828 + 5.00000ml of P13836 + 5.00000ml of P13840 + 5.00000ml of P13842 + 5.00000ml of P13846 + 5.00000ml of P13855 + 5.00000ml of P13858 + 5.00000ml of P13859 + 5.00000ml of P13860 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1339	100 PPM NJEPH Surrogate Spike	PP24210	02/27/2025	08/27/2025	Yogesh Patel	None	None	Abdul Mirza 03/06/2025

FROM 1.25000ml of P12984 + 1.25000ml of P13602 + 1.25000ml of P13614 + 1.25000ml of P13615 + 1.25000ml of P13651 + 1.25000ml of P13663 + 1.25000ml of P13680 + 1.25000ml of P13685 + 490.00000ml of E3876 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1331	100 PPM NJEPH Fractionating Surrogate	PP24403	03/20/2025	09/19/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 1.25000ml of P13755 + 1.25000ml of P13757 + 1.25000ml of P13759 + 1.25000ml of P13760 + 195.00000ml of E3914 = Final Quantity: 200.000 ml

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	SI500025-30 / Cleanert SPE Silica, 5000 mg/25 ml	Z0513CK1	09/04/2025	09/04/2024 / Rajesh	04/03/2024 / Rajesh	E3757

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30541 / Custom NJEPH Aromatics Calibration Standard	A0165529	05/14/2025	11/14/2024 / yogesh	01/26/2021 / dhaval	P10260

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95709 / NJ EPH Aromatic Hydrocarbons, 2000 PPM	060420	05/14/2025	11/14/2024 / yogesh	10/29/2021 / Abdul	P11139

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30540 / Custom NJEPH Aliphatics Calibration Standard	A0190424	08/03/2025	02/03/2025 / yogesh	03/16/2023 / Yogesh	P12363

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	08/03/2025	02/03/2025 / yogesh	12/20/2023 / Yogesh	P12981

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	08/03/2025	02/03/2025 / yogesh	12/20/2023 / Yogesh	P12983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	08/27/2025	02/27/2025 / yogesh	12/20/2023 / Yogesh	P12984

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95899 / NJ EPH Aliphatic n-Hydrocarbons-Revised, 1000 PPM	040524	08/03/2025	02/03/2025 / yogesh	04/11/2024 / yogesh	P13279

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	05/14/2025	11/14/2024 / yogesh	07/23/2024 / yogesh	P13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	05/14/2025	11/14/2024 / yogesh	07/23/2024 / yogesh	P13472

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	08/27/2025	02/27/2025 / yogesh	10/16/2024 / yogesh	P13602

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	08/27/2025	02/27/2025 / yogesh	10/16/2024 / yogesh	P13614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	08/27/2025	02/27/2025 / yogesh	10/16/2024 / yogesh	P13615

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	08/26/2025	02/26/2025 / yogesh	10/16/2024 / yogesh	P13638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	08/26/2025	02/26/2025 / yogesh	10/16/2024 / yogesh	P13639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	08/26/2025	02/26/2025 / yogesh	10/16/2024 / yogesh	P13640

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	08/26/2025	02/26/2025 / yogesh	10/16/2024 / yogesh	P13641

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	08/26/2025	02/26/2025 / yogesh	10/16/2024 / yogesh	P13642

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	08/26/2025	02/26/2025 / yogesh	10/16/2024 / yogesh	P13644

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	05/14/2025	11/14/2024 / yogesh	10/16/2024 / yogesh	P13646

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	05/14/2025	11/14/2024 / yogesh	10/16/2024 / yogesh	P13647

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	08/03/2025	02/03/2025 / yogesh	10/16/2024 / yogesh	P13650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	08/27/2025	02/27/2025 / yogesh	10/16/2024 / yogesh	P13651

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	08/27/2025	02/27/2025 / yogesh	10/16/2024 / yogesh	P13663

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	08/03/2025	02/03/2025 / yogesh	10/16/2024 / yogesh	P13671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	08/27/2025	02/27/2025 / yogesh	10/16/2024 / yogesh	P13680

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13685

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	08/26/2025	02/26/2025 / yogesh	10/24/2024 / yogesh	P13715

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	10/24/2024 / yogesh	P13717

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0214879	09/20/2025	03/20/2025 / Abdul	11/01/2024 / yogesh	P13755

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0214879	09/20/2025	03/20/2025 / Abdul	11/01/2024 / yogesh	P13757

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0214879	09/20/2025	03/20/2025 / Abdul	11/01/2024 / yogesh	P13759

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0214879	09/20/2025	03/20/2025 / Abdul	11/01/2024 / yogesh	P13760

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13803

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13809

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13836

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13840

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13846

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13855

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13858

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13859

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	08/26/2025	02/26/2025 / yogesh	12/09/2024 / yogesh	P13860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

DD
06/17/2021

Catalog No. : 30541 **Lot No.:** A0172403

Description : NJEPH Aromatics Calibration Standard

NJEPH Aromatics Calibration Standard 2,000µg/mL, Methylene Chloride, 1mL/ampul

P10758 to P10762 -(5)

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,2,3-Trimethylbenzene **CAS #** 526-73-8 (Lot 8776.10-36) **Purity** 98%	2,010.0 µg/mL	+/- 11.7957 µg/mL +/- 90.5449 µg/mL +/- 100.4678 µg/mL	Gravimetric Unstressed Stressed
2	Naphthalene **CAS #** 91-20-3 (Lot MKBZ8680V) **Purity** 99%	2,006.0 µg/mL	+/- 11.7723 µg/mL +/- 90.3656 µg/mL +/- 100.2689 µg/mL	Gravimetric Unstressed Stressed
3	2-Methylnaphthalene **CAS #** 91-57-6 (Lot STBG8884) **Purity** 99%	2,008.0 µg/mL	+/- 11.7841 µg/mL +/- 90.4557 µg/mL +/- 100.3688 µg/mL	Gravimetric Unstressed Stressed
4	Acenaphthylene **CAS #** 208-96-8 (Lot N19U) **Purity** 95%	2,002.6 µg/mL	+/- 11.7524 µg/mL +/- 90.2125 µg/mL +/- 100.0989 µg/mL	Gravimetric Unstressed Stressed
5	Acenaphthene **CAS #** 83-32-9 (Lot MKCN0610) **Purity** 99%	2,000.0 µg/mL	+/- 11.7371 µg/mL +/- 90.0953 µg/mL +/- 99.9689 µg/mL	Gravimetric Unstressed Stressed
6	Fluorene **CAS #** 86-73-7 (Lot 10217947) **Purity** 99%	2,016.0 µg/mL	+/- 11.8310 µg/mL +/- 90.8161 µg/mL +/- 100.7687 µg/mL	Gravimetric Unstressed Stressed
7	Phenanthrene **CAS #** 85-01-8 (Lot MKCL7390) **Purity** 99%	2,012.0 µg/mL	+/- 11.8075 µg/mL +/- 90.6359 µg/mL +/- 100.5688 µg/mL	Gravimetric Unstressed Stressed

8	Anthracene		2,002.0	µg/mL	+/-	11.7489	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCM0015)			+/-	90.1854	µg/mL	Unstressed
	Purity 99%				+/-	100.0689	µg/mL	Stressed
9	Fluoranthene		2,003.0	µg/mL	+/-	11.7547	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCF7378)			+/-	90.2305	µg/mL	Unstressed
	Purity 99%				+/-	100.1189	µg/mL	Stressed
10	Pyrene		2,011.0	µg/mL	+/-	11.8017	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCB9880)			+/-	90.5909	µg/mL	Unstressed
	Purity 99%				+/-	100.5188	µg/mL	Stressed
11	Benz(a)anthracene		2,011.0	µg/mL	+/-	11.8014	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot P0022018-0505)			+/-	90.5890	µg/mL	Unstressed
	Purity 98%				+/-	100.5168	µg/mL	Stressed
12	Chrysene		2,000.0	µg/mL	+/-	11.7371	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot STBJ8094)			+/-	90.0953	µg/mL	Unstressed
	Purity 99%				+/-	99.9689	µg/mL	Stressed
13	Benzo(b)fluoranthene		2,006.0	µg/mL	+/-	11.7721	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012012B)			+/-	90.3638	µg/mL	Unstressed
	Purity 97%				+/-	100.2669	µg/mL	Stressed
14	Benzo(k)fluoranthene		2,010.0	µg/mL	+/-	11.7958	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012019K)			+/-	90.5458	µg/mL	Unstressed
	Purity 99%				+/-	100.4688	µg/mL	Stressed
15	Benzo(a)pyrene		2,004.0	µg/mL	+/-	11.7606	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot RP210113)			+/-	90.2755	µg/mL	Unstressed
	Purity 99%				+/-	100.1689	µg/mL	Stressed
16	Indeno(1,2,3-cd)pyrene		2,010.0	µg/mL	+/-	11.7958	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 1-RAK-33-4)			+/-	90.5458	µg/mL	Unstressed
	Purity 99%				+/-	100.4688	µg/mL	Stressed
17	Dibenz(a,h)anthracene		2,017.0	µg/mL	+/-	11.8369	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	90.8611	µg/mL	Unstressed
	Purity 99%				+/-	100.8187	µg/mL	Stressed
18	Benzo(g,h,i)perylene		2,003.0	µg/mL	+/-	11.7547	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot 8GFYJ)			+/-	90.2305	µg/mL	Unstressed
	Purity 99%				+/-	100.1189	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

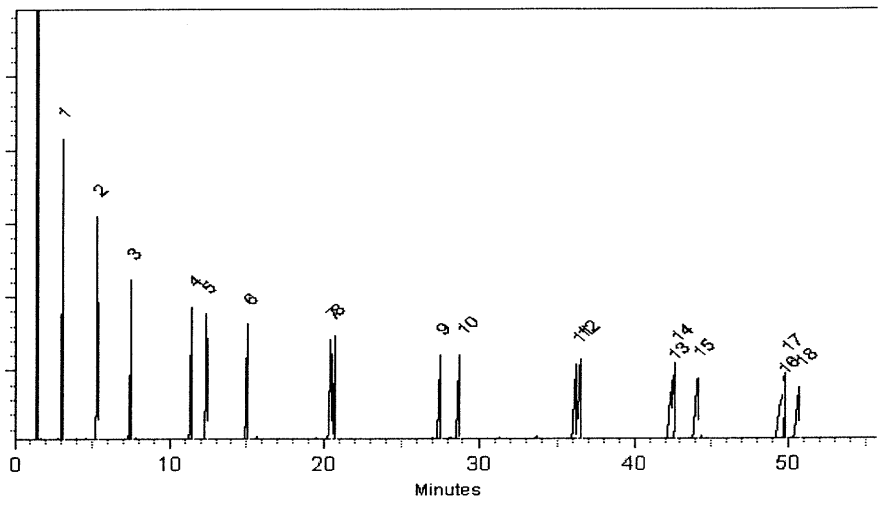
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Lane Kibe - Mix Technician

Date Mixed: 14-May-2021 **Balance:** B345965662

Alexis Shelow - Operations Tech I

Date Passed: 18-May-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RI on 7/24/23 E3551


Cleanert EPH
5g/25ml 15/pkg
固相萃取产品
LOT#:Z0513CK1
MFG#:F04005
Made in China
CAT# SI500025-30
Agela Technologies
E3757

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3878

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95709
Lot Number: 060420
Description: NJ EPH Aromatic Hydrocarbons
18 components
Expiration Date: 060425
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 23060

Solvent(s): **Lot#**
Methylene chloride 104929

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 500.0 0.058 Flask Uncertainty

Formulated By:	Benson Chan	060420 DATE
Reviewed By:	Pedro L. Rentas	060420 DATE

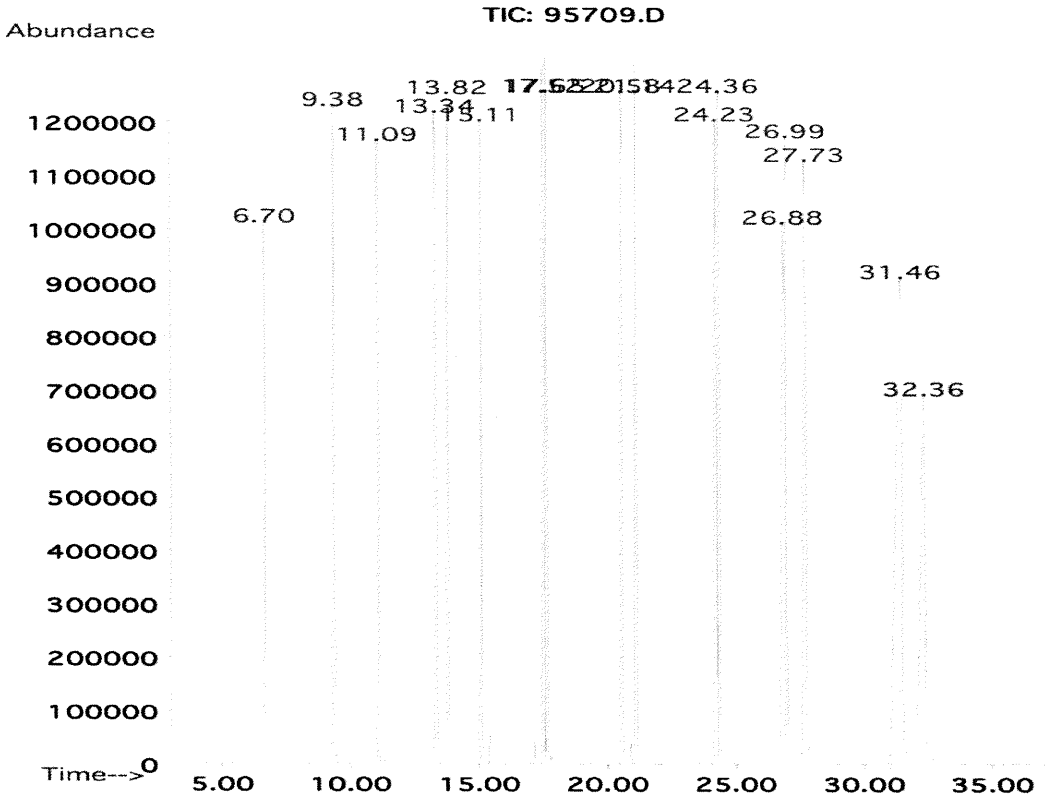
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acenaphthene	1	MKBJ4871V	2000	99	0.2	1.01003	1.01010	2000.1	8.1	83-32-9	N/A	ipr-rat 600mg/kg
2. Acenaphthylene	3	012014	2000	98	0.2	1.02033	1.02053	2000.4	8.2	208-96-8	N/A	N/A
3. Anthracene	13	A0210580	2000	99	0.2	1.01003	1.01009	2000.1	8.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
4. Benzo(a)anthracene	28	JY2TD-JT	2000	98	0.2	1.02033	1.02051	2000.3	8.2	56-55-3	N/A	N/A
5. Benzo(a)pyrene	30	012012	2000	99.5	0.2	1.00495	1.00511	2000.3	8.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
6. Benzo(b)fluoranthene	31	012012b	2000	99	0.2	1.01003	1.01012	2000.2	8.1	205-99-2	N/A	N/A
7. Benzo(k)fluoranthene	33	012012k	2000	99	0.2	1.01003	1.01018	2000.3	8.1	207-08-9	N/A	N/A
8. Benzo(g,h,i)perylene	32	012018	2000	99	0.2	1.01003	1.01019	2000.3	8.1	191-24-2	N/A	N/A
9. Chrysene	91	012015	2000	98	0.2	1.02033	1.02040	2000.1	8.2	218-01-9	0.2mg/m3	N/A
10. Dibenzo(a,h)anthracene	112	012011	2000	98	0.2	1.02033	1.02050	2000.3	8.2	53-70-3	0.2mg/m3	N/A
11. Fluoranthene	183	04221PV	2000	98	0.2	1.02033	1.02050	2000.3	8.2	206-44-0	N/A	orl-rat 2000mg/kg
12. Fluorene	184	07211MV	2000	98	0.2	1.02033	1.02047	2000.3	8.2	86-73-7	N/A	ipr-mus 2 g/kg
13. Indeno(1,2,3-cd)pyrene	202	012014	2000	99.9	0.2	1.00093	1.00119	2000.5	8.0	193-39-5	N/A	N/A
14. 2-Methylnaphthalene	214	MKBF3783V	2000	97	0.2	1.03085	1.03090	2000.1	8.3	91-57-6	N/A	orl-rat 1630mg/kg
15. Naphthalene	222	MKBZ8680V	2000	100	0.2	0.99993	0.99999	2000.1	8.0	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
16. Phenanthrene	248	03410PV	2000	99	0.2	1.01003	1.01030	2000.5	8.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
17. Pyrene	259	010197	2000	98	0.2	1.02033	1.02042	2000.2	8.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg
18. 1,2,3-Trimethylbenzene	944	031097	2000	99	0.2	1.01003	1.01025	2000.4	8.1	526-73-8	N/A	N/A

P11137
&
P11141

AR 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC8MSD-2.M: Column:SPB-5 (30m X 0.25mm ID X 0.25μm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.



Peak No.	Name	MSD RT (min.)
1	1,2,3-Trimethylbenzene	6.70
2	Naphthalene	9.38
3	2-Methylnaphthalene	11.09
4	Acenaphthylene	13.34
5	Acenaphthene	13.82
6	Fluorene	15.11
7	Phenanthrene	17.52
8	Anthracene	17.65
9	Fluoranthene	20.58
10	Pyrene	21.14
11	Chrysene	24.23
12	Benzo(a)anthracene	24.36
13	Benzo(b)fluoranthene/Benzo(k)fluoranthene	26.98
14	Benzo(a)pyrene	27.73
15	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.46
16	Benzo(g,h,i)perylene	32.36

RESTEK
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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12361 ↓ P12370 Y.P. 03/16/23

Catalog No. : 30540 **Lot No.:** A0190424

Description : NJEPH Aliphatics Calibration Standard

Aliphatics Calibration Standard 2000µg/mL, Hexane/Carbon Disulfide (80:20), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Nonane (C9) **CAS #** 111-84-2 (Lot SHBN5361) **Purity** 99%	2,014.0 µg/mL	+/- 11.8193 µg/mL +/- 50.0027 µg/mL +/- 59.9491 µg/mL	Gravimetric Unstressed Stressed
2	n-Decane (C10) **CAS #** 124-18-5 (Lot SHBN8619) **Purity** 99%	2,014.7 µg/mL	+/- 11.8232 µg/mL +/- 50.0193 µg/mL +/- 59.9689 µg/mL	Gravimetric Unstressed Stressed
3	Naphthalene **CAS #** 91-20-3 (Lot MKCH0219) **Purity** 99%	2,015.3 µg/mL	+/- 11.8271 µg/mL +/- 50.0358 µg/mL +/- 59.9888 µg/mL	Gravimetric Unstressed Stressed
4	n-Dodecane (C12) **CAS #** 112-40-3 (Lot SHBN7174) **Purity** 99%	2,008.0 µg/mL	+/- 11.7841 µg/mL +/- 49.8538 µg/mL +/- 59.7705 µg/mL	Gravimetric Unstressed Stressed
5	2-Methylnaphthalene **CAS #** 91-57-6 (Lot STBK0259) **Purity** 96%	2,007.0 µg/mL	+/- 11.7784 µg/mL +/- 49.8299 µg/mL +/- 59.7419 µg/mL	Gravimetric Unstressed Stressed
6	n-Tetradecane (C14) **CAS #** 629-59-4 (Lot STBK2282) **Purity** 99%	2,016.7 µg/mL	+/- 11.8349 µg/mL +/- 50.0689 µg/mL +/- 60.0284 µg/mL	Gravimetric Unstressed Stressed
7	n-Hexadecane (C16) **CAS #** 544-76-3 (Lot SHBM4146) **Purity** 98%	2,014.9 µg/mL	+/- 11.8244 µg/mL +/- 50.0246 µg/mL +/- 59.9753 µg/mL	Gravimetric Unstressed Stressed

8	n-Octadecane (C18) **CAS #** 593-45-3 **Purity** 97%	(Lot VZKOJ)	2,004.7	µg/mL	+/- 11.7645 +/- 49.7710 +/- 59.6712	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	n-Eicosane (C20) **CAS #** 112-95-8 **Purity** 99%	(Lot MKCF7888)	2,018.0	µg/mL	+/- 11.8428 +/- 50.1020 +/- 60.0681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	n-Heneicosane (C21) **CAS #** 629-94-7 **Purity** 99%	(Lot MKCL3226)	2,000.7	µg/mL	+/- 11.7410 +/- 49.6717 +/- 59.5522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Docosane (C22) **CAS #** 629-97-0 **Purity** 99%	(Lot MKCL8918)	2,005.3	µg/mL	+/- 11.7684 +/- 49.7876 +/- 59.6911	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	n-Tetracosane (C24) **CAS #** 646-31-1 **Purity** 99%	(Lot MKCN2863)	2,018.0	µg/mL	+/- 11.8428 +/- 50.1020 +/- 60.0681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexacosane (C26) **CAS #** 630-01-3 **Purity** 99%	(Lot MKCD4540)	2,014.0	µg/mL	+/- 11.8193 +/- 50.0027 +/- 59.9491	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	n-Octacosane (C28) **CAS #** 630-02-4 **Purity** 99%	(Lot BCCG0084)	2,002.0	µg/mL	+/- 11.7489 +/- 49.7048 +/- 59.5919	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	n-Triacontane (C30) **CAS #** 638-68-6 **Purity** 97%	(Lot MKCQ9436)	2,011.1	µg/mL	+/- 11.8025 +/- 49.9316 +/- 59.8637	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	n-Dotriacontane (C32) **CAS #** 544-85-4 **Purity** 99%	(Lot BCBW0661)	2,012.0	µg/mL	+/- 11.8075 +/- 49.9531 +/- 59.8895	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	n-Tetratriacontane (C34) **CAS #** 14167-59-0 **Purity** 99%	(Lot OML4N)	2,006.7	µg/mL	+/- 11.7762 +/- 49.8207 +/- 59.7308	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	n-Hexatriacontane (C36) **CAS #** 630-06-8 **Purity** 99%	(Lot Z27H018)	2,017.3	µg/mL	+/- 11.8388 +/- 50.0855 +/- 60.0483	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	n-Octatriacontane (C38) **CAS #** 7194-85-6 **Purity** 96%	(Lot 0000145137)	2,017.3	µg/mL	+/- 11.8385 +/- 50.0842 +/- 60.0467	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	n-Tetracontane (C40) **CAS #** 4181-95-7 **Purity** 99%	(Lot BSBME)	2,008.7	µg/mL	+/- 11.7880 +/- 49.8703 +/- 59.7903	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane/Carbon disulfide (80:20)
CAS # 110-54-3/75-15-0
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

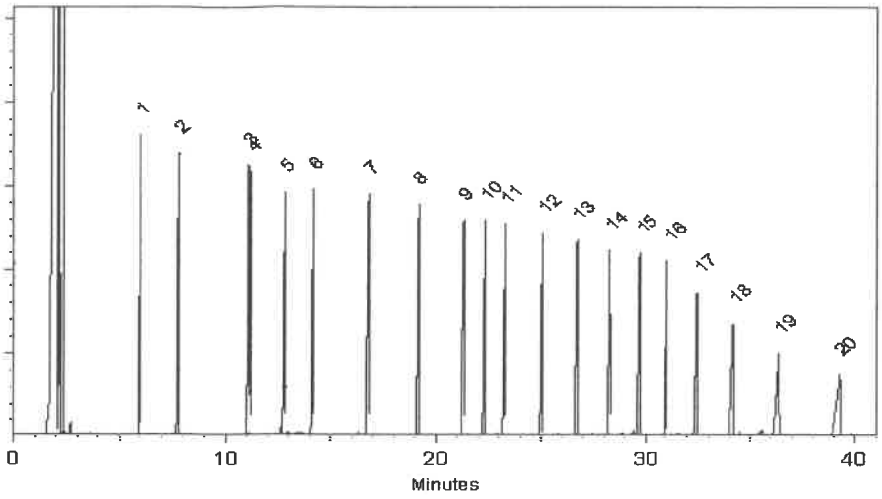
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 10-Oct-2022 **Balance:** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Oct-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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P12960 & P12991 Y.P. 12/21/2023

Catalog No. : 31098 **Lot No.:** A0204989

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	14738400	99%	10,097.3 µg/mL	+/- 567.2675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

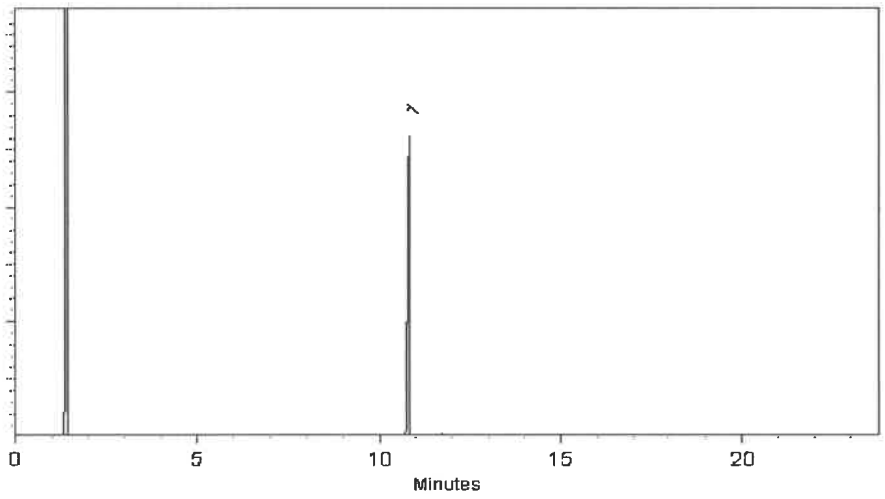
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Peter Robbins - Operations Technician I

Date Mixed: 02-Dec-2023 **Balance Serial #** B345965662

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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P12960 & P12991 Y.P. 12/21/2023

Catalog No. : 31098 **Lot No.:** A0204989

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	14738400	99%	10,097.3 µg/mL	+/- 567.2675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Rtx-5 (cat.#10223)

Carrier Gas:
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Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

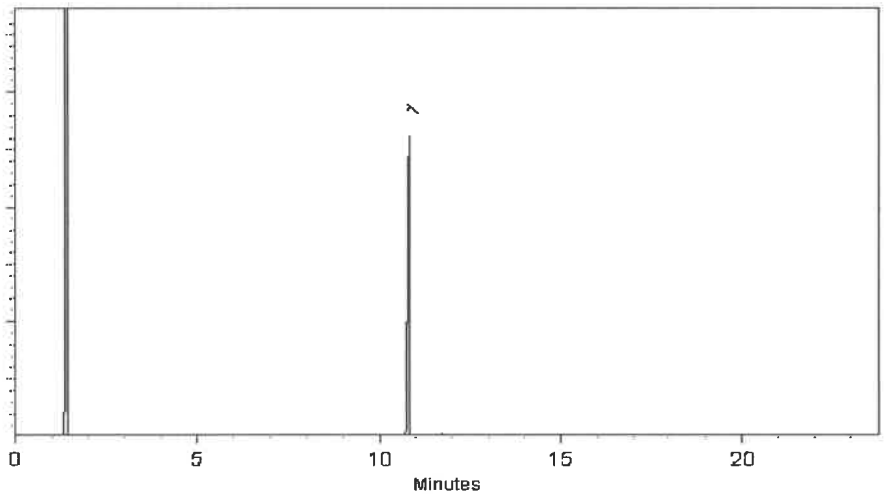
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Peter Robbins - Operations Technician I

Date Mixed: 02-Dec-2023 **Balance Serial #** B345965662

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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P12960 & P12991 Y.P. 12/21/2023

Catalog No. : 31098 **Lot No.:** A0204989

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

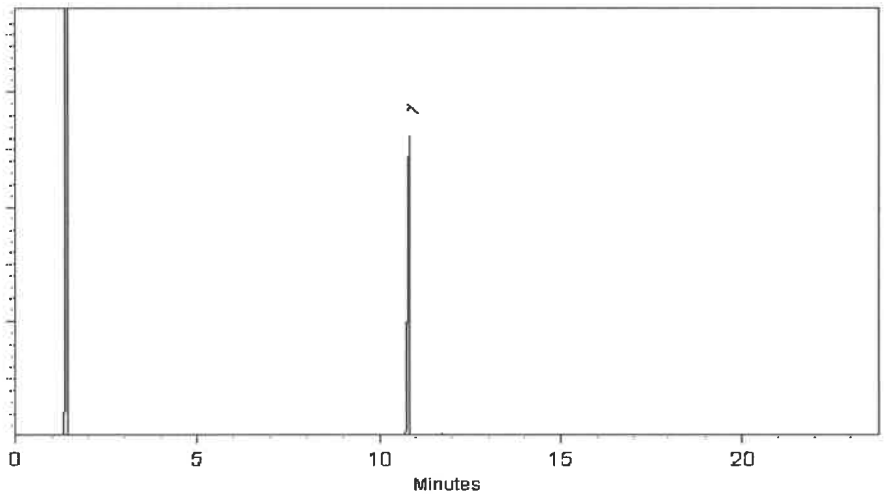
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Peter Robbins - Operations Technician I

Date Mixed: 02-Dec-2023 **Balance Serial #** B345965662

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Manufacturing Notes:

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Handling Notes:

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95899
Lot Number: 040524
Description: NJ EPH Aliphatic n-Hydrocarbons - Revised
20 components
Expiration Date: 040534
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Cyclohexane	28930

P13278 & P13287 } Y.P. 04111124

Formulated By:	Anthony Mahoney	040524 DATE
Reviewed By:	Pedro L. Rentas	040524 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.001 Flask Uncertainty
CAUTION: Sonicate Before Use

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	2-Methylnaphthalene	(0214)	MKBF3783V	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A	orl-rat 1630mg/kg
2.	Naphthalene	(0222)	MKBZ8680V	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m3/8H)	ivn-mus 218mg/kg
4.	n-Decane	95708	**120222**	1.00	25.00	1000.9	1000	NA	NA	0.013	NA	NA	1000.2	4.2	124-18-5	N/A	N/A
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	112-40-3	N/A	ivn-mus 3494mg/kg
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1000	NA	NA	0.013	NA	NA	1001.3	4.2	629-59-4	N/A	N/A
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.7	4.2	544-76-3	N/A	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.1	593-45-3	N/A	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.2	112-95-8	N/A	N/A
10.	n-Heneicosane	95708	120222	1.00	25.00	1002.4	1000	NA	NA	0.013	NA	NA	1001.6	4.2	629-94-7	N/A	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1000	NA	NA	0.013	NA	NA	1001.2	4.2	629-97-0	N/A	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000	NA	NA	0.013	NA	NA	1000.1	4.2	646-31-1	N/A	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1000	NA	NA	0.013	NA	NA	1000.4	4.2	630-01-3	N/A	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	630-02-4	N/A	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	638-68-6	N/A	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.3	544-85-4	N/A	ivn-mus 100mg/kg
17.	n-Tetratriacontane	95708	120222	1.00	25.00	1000.4	1000	NA	NA	0.013	NA	NA	999.7	4.2	14167-59-0	N/A	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1000	NA	NA	0.013	NA	NA	1000.8	4.2	630-06-8	N/A	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000	NA	NA	0.013	NA	NA	999.6	4.3	7194-85-6	N/A	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000	NA	NA	0.013	NA	NA	999.9	4.3	4181-95-7	N/A	N/A

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0210831

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13457 ↓ P13476 Y.P. 07/23/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,031.0 µg/mL	+/- 181.5871
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,037.5 µg/mL	+/- 181.8799

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

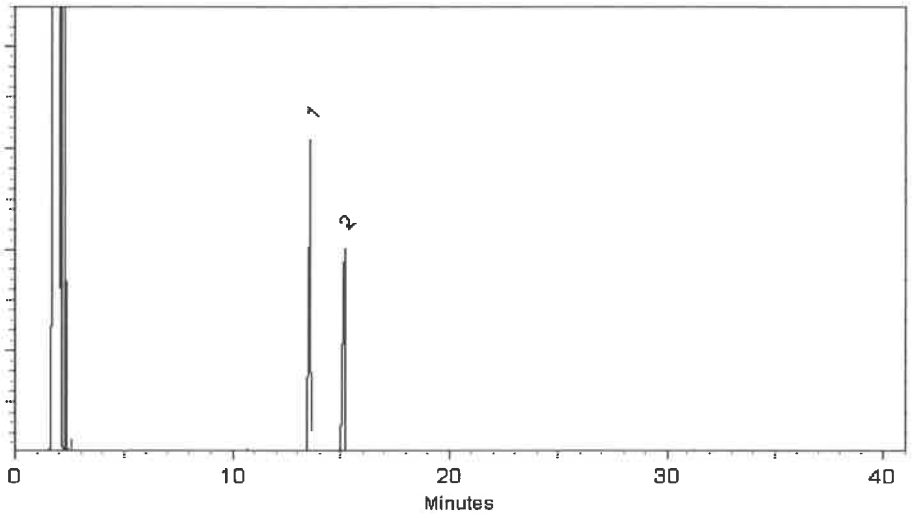
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 29-Apr-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 30-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0210831

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13457 ↓ P13476 Y.P. 07/23/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,031.0 µg/mL	+/- 181.5871
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,037.5 µg/mL	+/- 181.8799

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

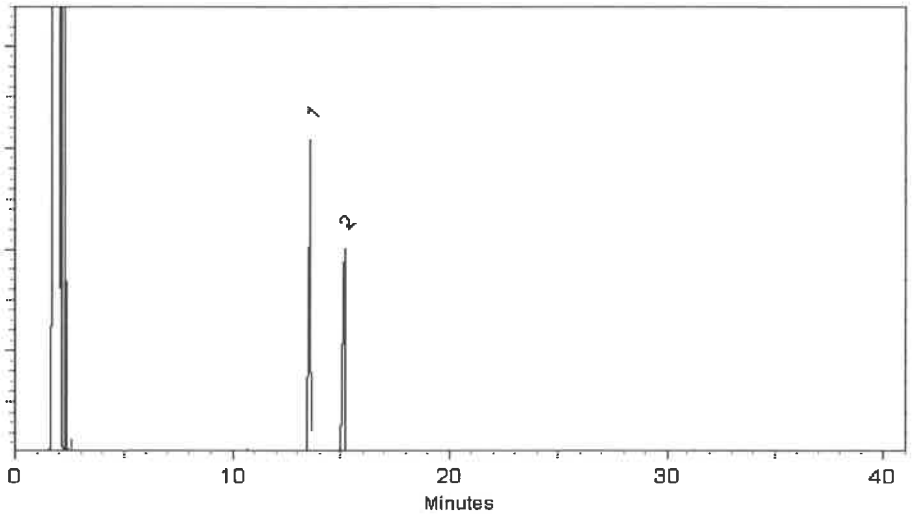
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 29-Apr-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 30-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595 ↓ P13624 Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

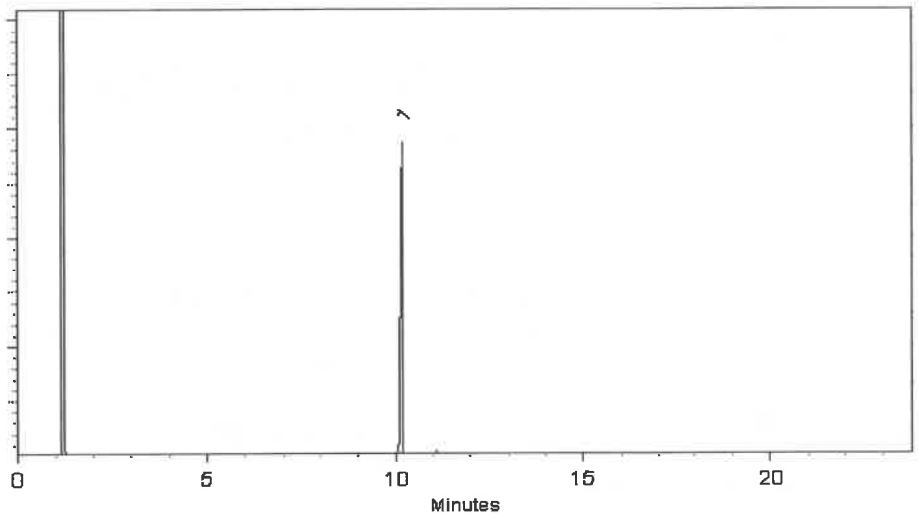
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595 ↓ P13624 } Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

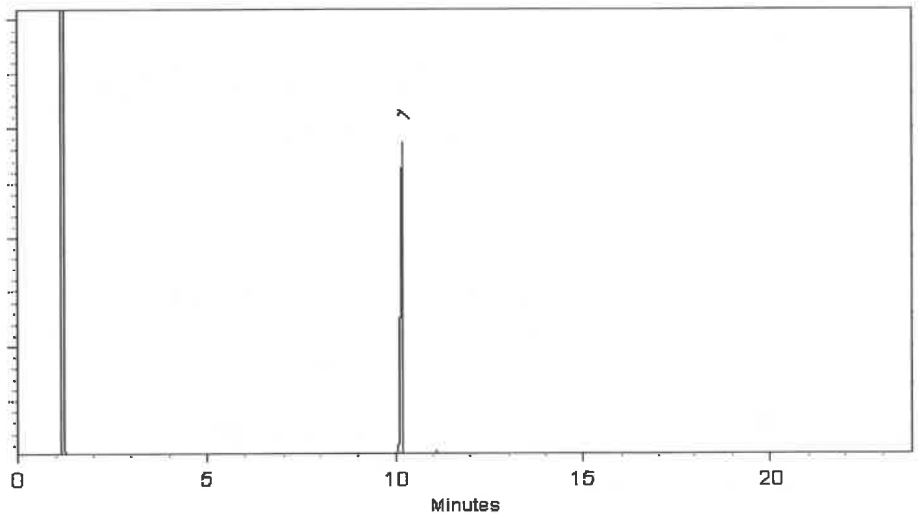
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595 ↓ P13624 } Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

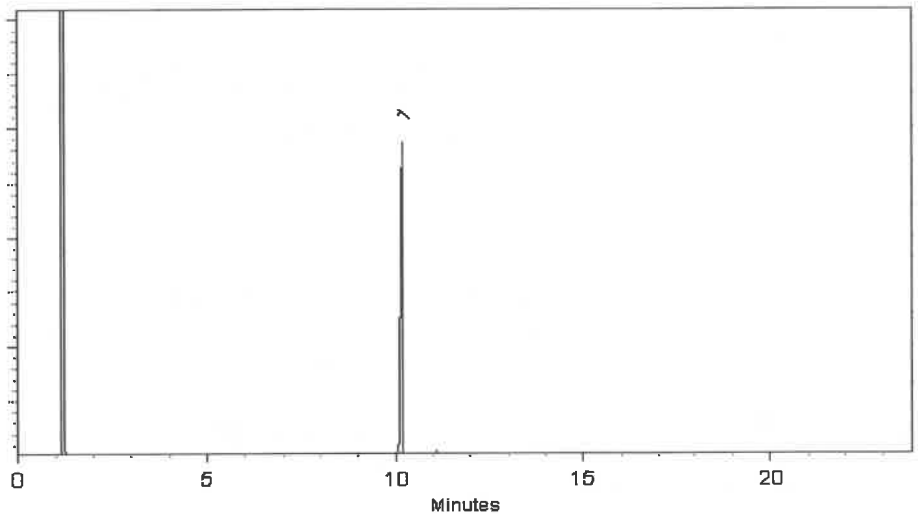
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.01

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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/- 5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

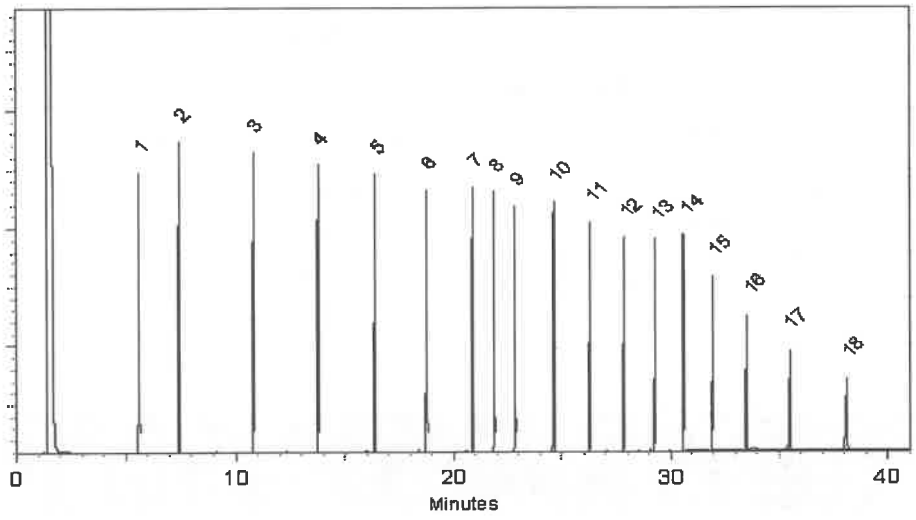
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
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P13644
Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/-	5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

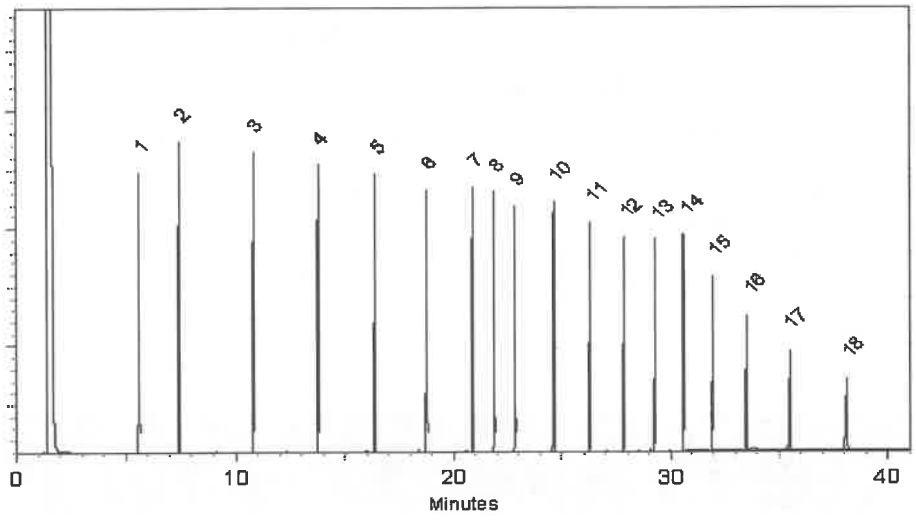
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

chromatographic plus

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Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
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P13644
Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/-	5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

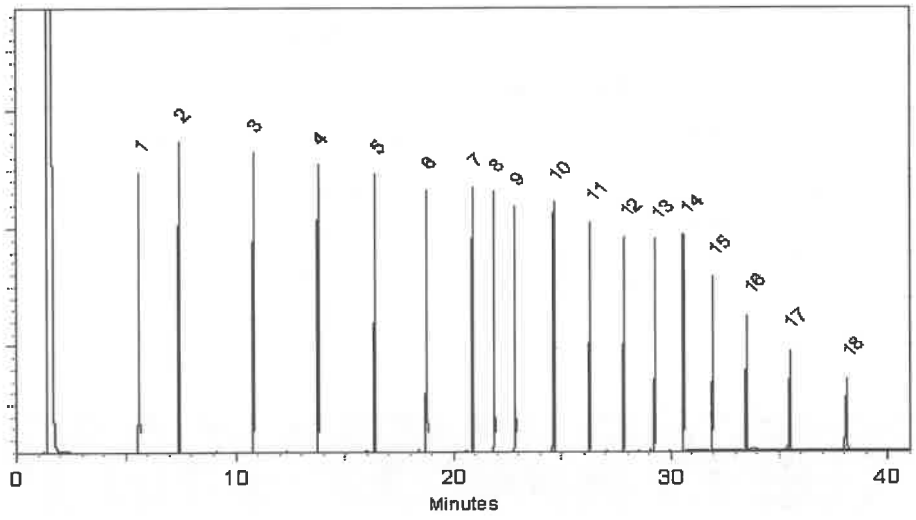
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Handling Notes:

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Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
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8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/-	5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

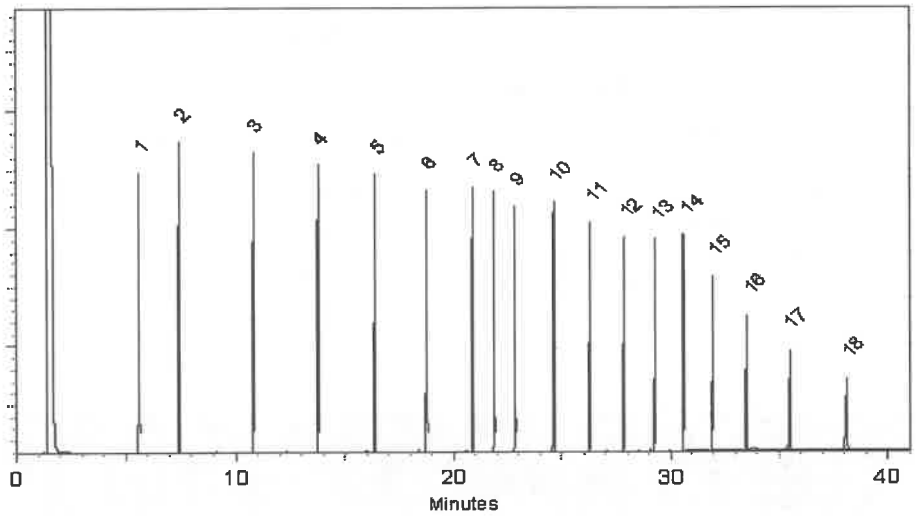
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

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chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/-	5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

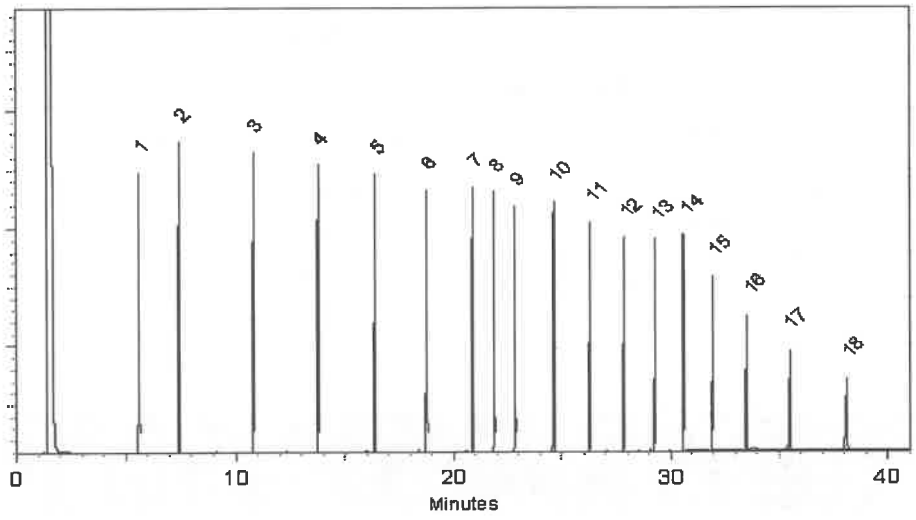
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/-	5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

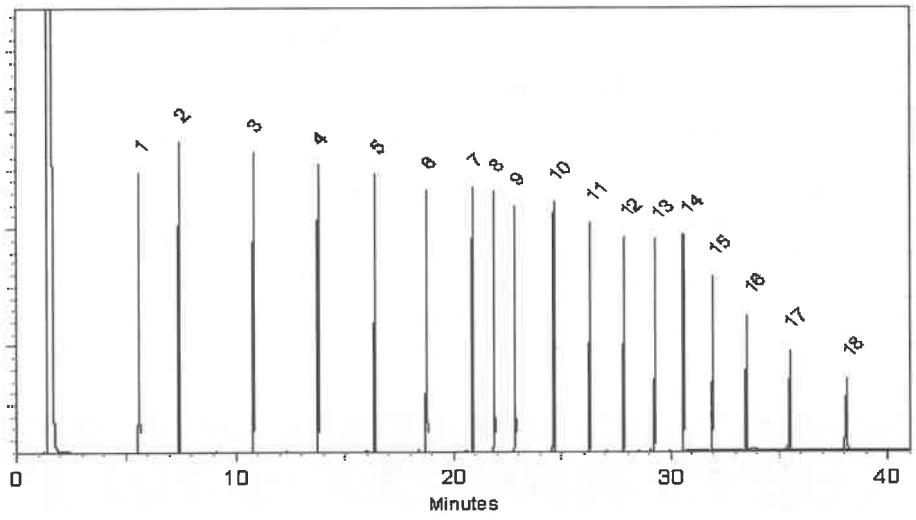
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13645
↓
P13694
Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

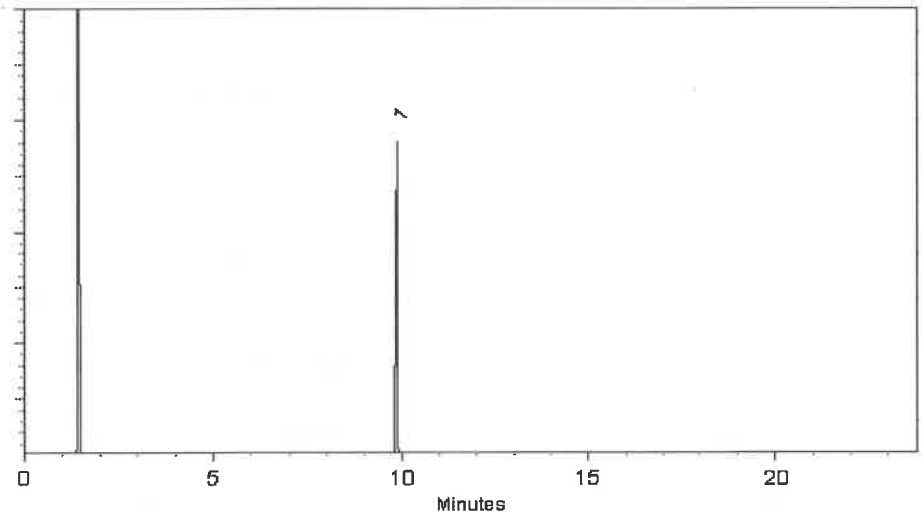
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

P13645 ↓ P13694 } Y.P. 10/16/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

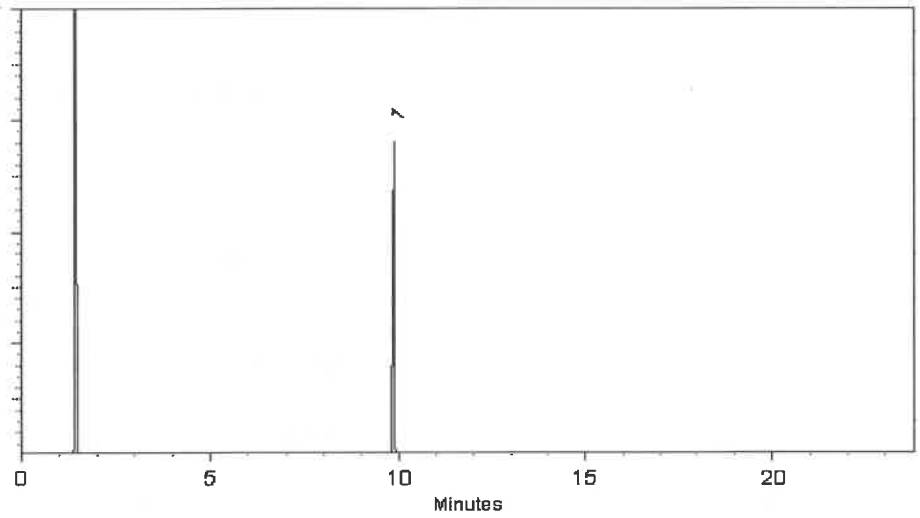
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

P13645 → P13694 Y.P. 10/16/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

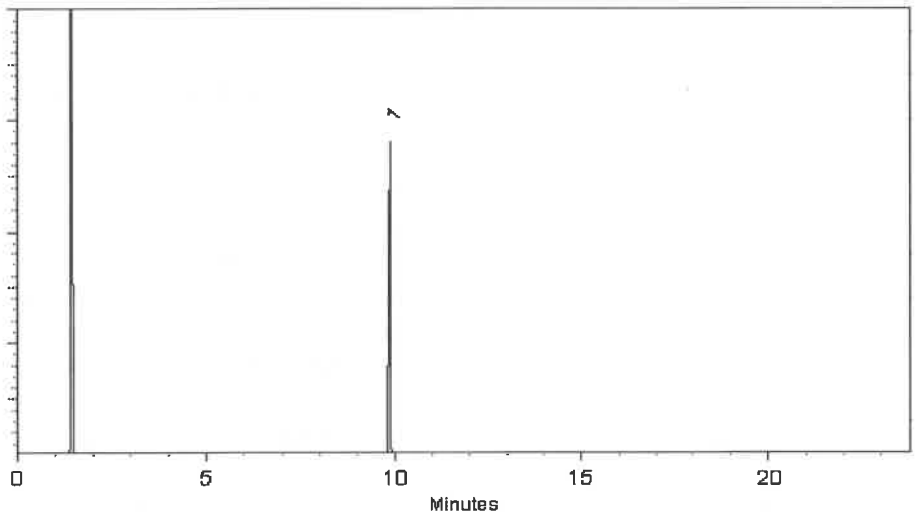
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

P13645 → P13694 Y.P. 10/16/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

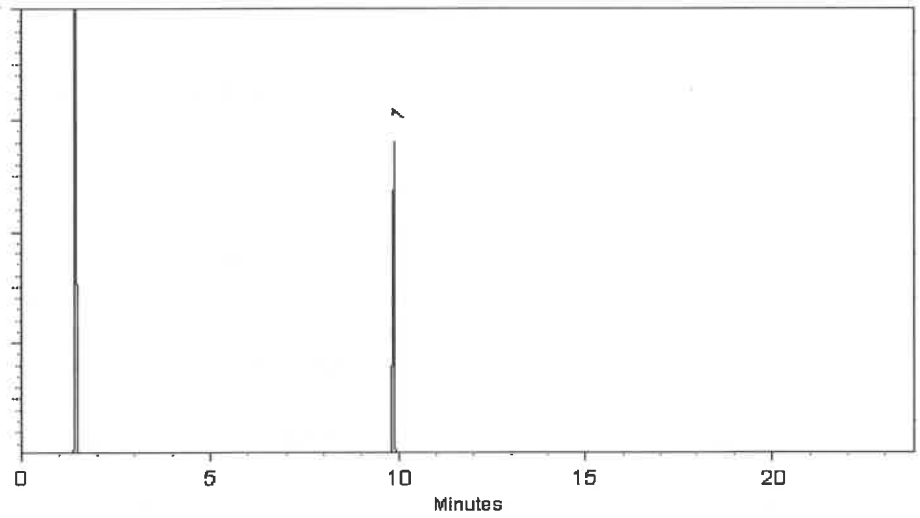
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13645
↓
P13694
Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

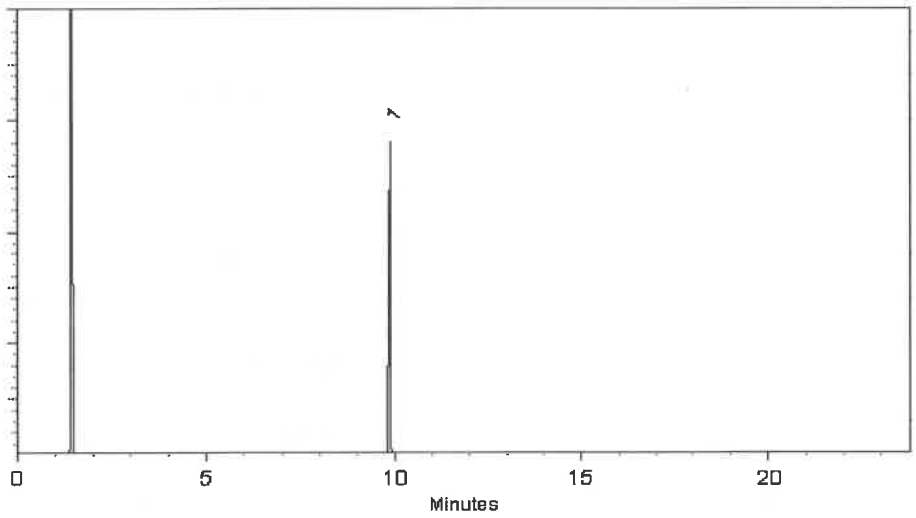
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

P13645 → P13694 Y.P. 10/16/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

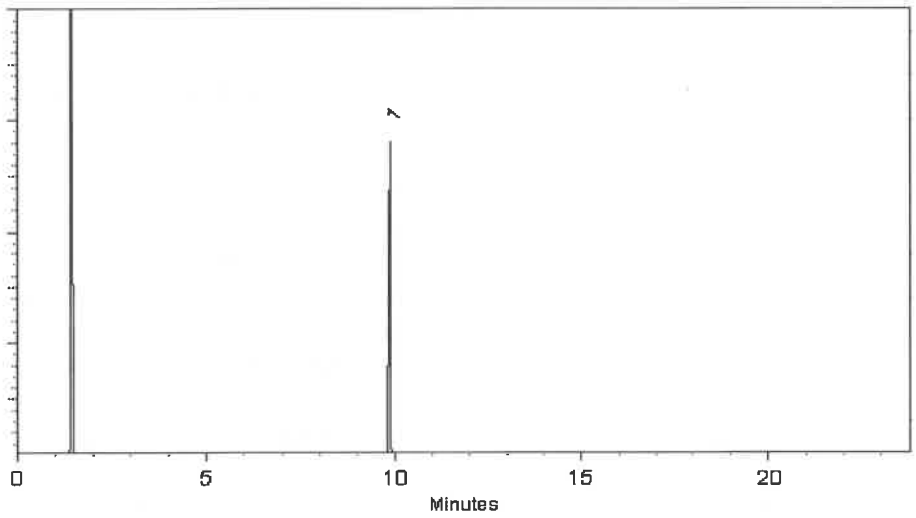
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I **Date Mixed:** 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I **Date Passed:** 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13645
↓
P13694
Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

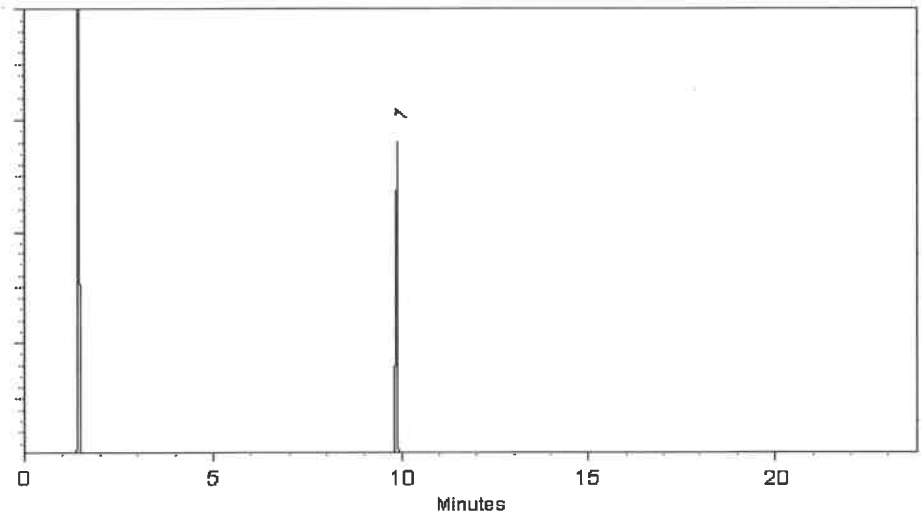
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Ven Kelley - Operations Tech I **Date Mixed:** 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I **Date Passed:** 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13645 → P13694 Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

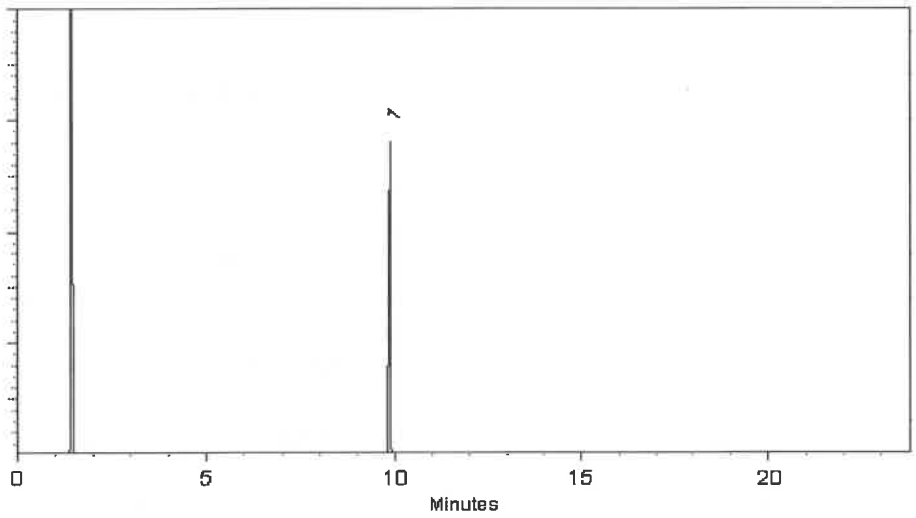
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0211254

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13708) P137-16 } Y.P. 10/24/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

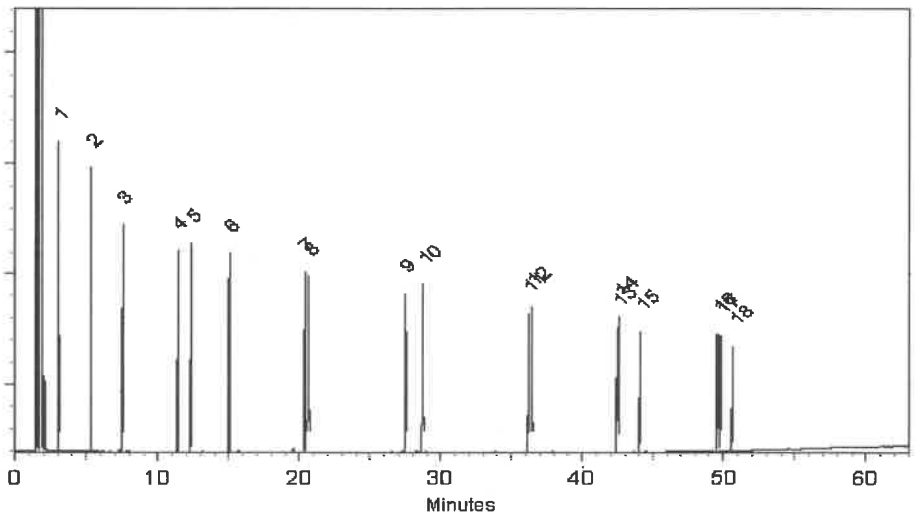
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13717 ↓ P13727 } Y.P 10/24/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

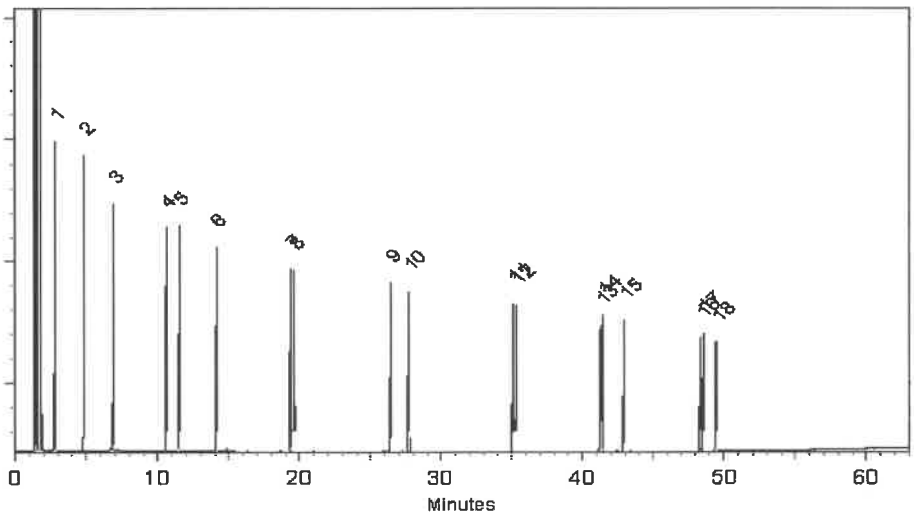
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0214879

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13743 ↓ P13772 } Y.P. 11/01/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,009.0 µg/mL	+/- 180.5961
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,008.5 µg/mL	+/- 180.5736

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

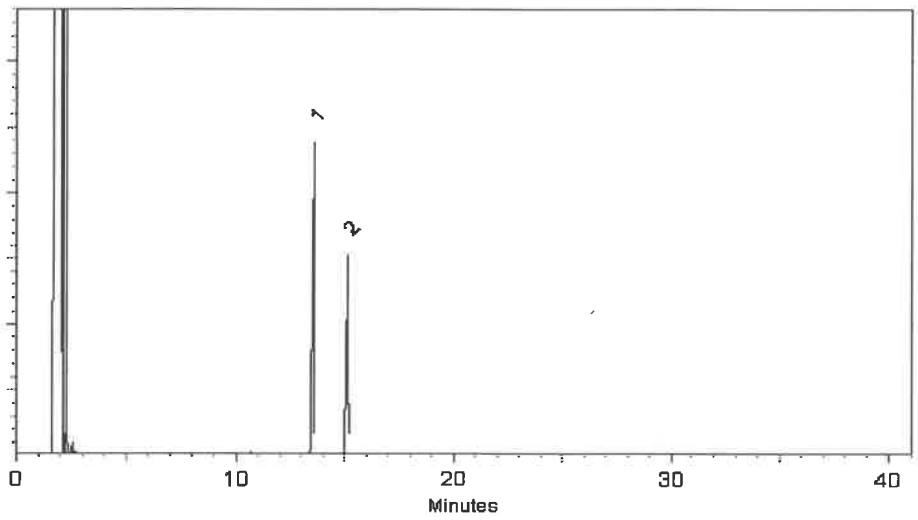
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Scott McNeil - Operations Tech I

Date Mixed: 06-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Certificate #3222.02

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chromatographic plus

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Catalog No. : 31480 **Lot No.:** A0214879

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13743 ↓ P13772 } Y.P. 11/01/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,009.0 µg/mL	+/- 180.5961
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,008.5 µg/mL	+/- 180.5736

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

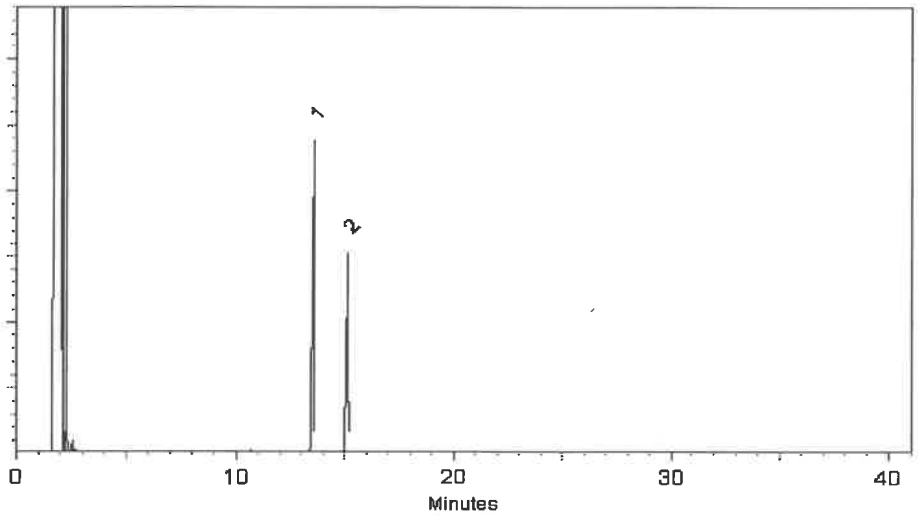
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Scott McNeil - Operations Tech I

Date Mixed: 06-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certified Uncertainty Value Notes:

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Catalog No. : 31480 **Lot No.:** A0214879

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13743 ↓ P13772 } Y.P. 11/01/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,009.0 µg/mL	+/- 180.5961
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,008.5 µg/mL	+/- 180.5736

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

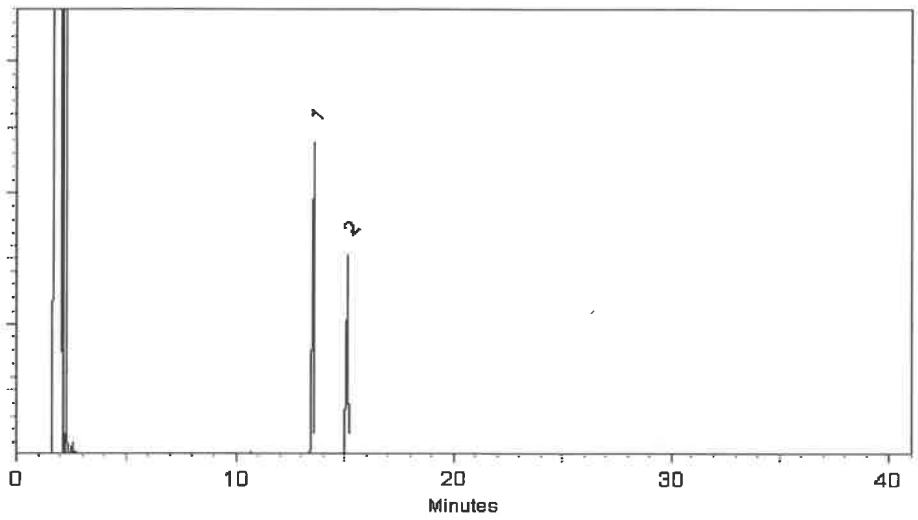
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Scott McNeil - Operations Tech I

Date Mixed: 06-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0214879

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13743
↓
P13772
Y.P.
11/01/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,009.0 µg/mL	+/- 180.5961
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,008.5 µg/mL	+/- 180.5736

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

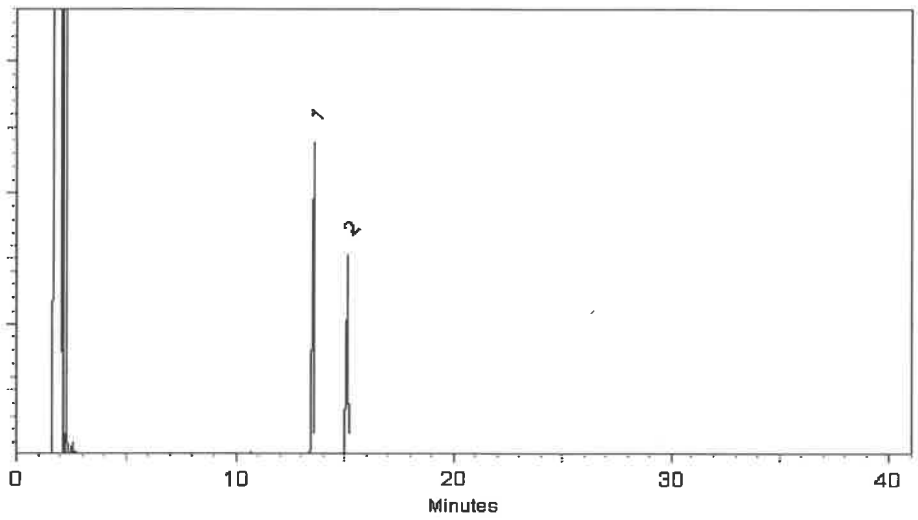
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Scott McNeil - Operations Tech I

Date Mixed: 06-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800 ↓ P13889 } Y.P. 12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	201.0 µg/mL	+/- 5.1917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

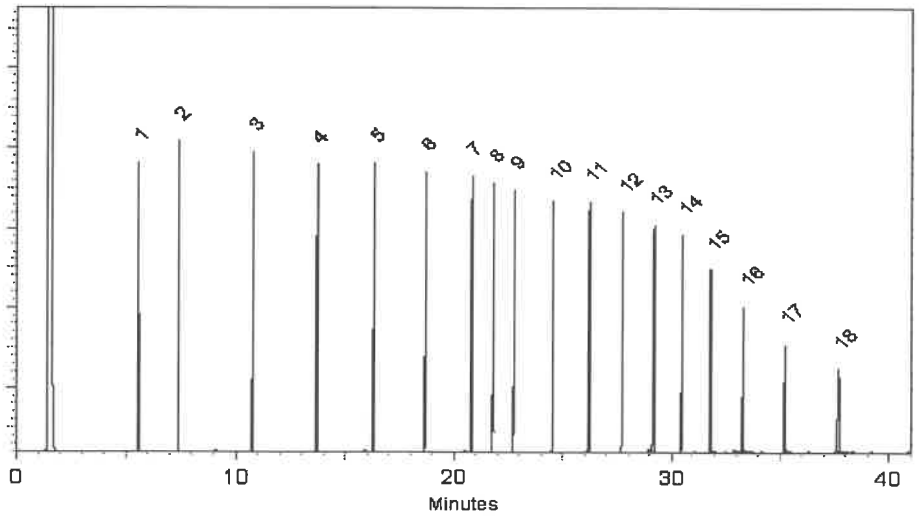
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800 ↓ P13859 } Y.P. 12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	201.0 µg/mL	+/- 5.1917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

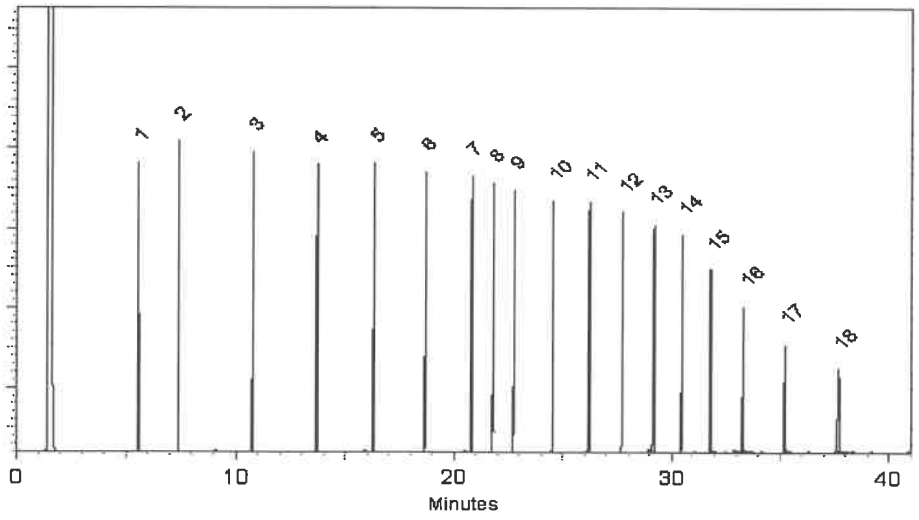
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800 ↓ P13859 } Y.P. 12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	201.0 µg/mL	+/- 5.1917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

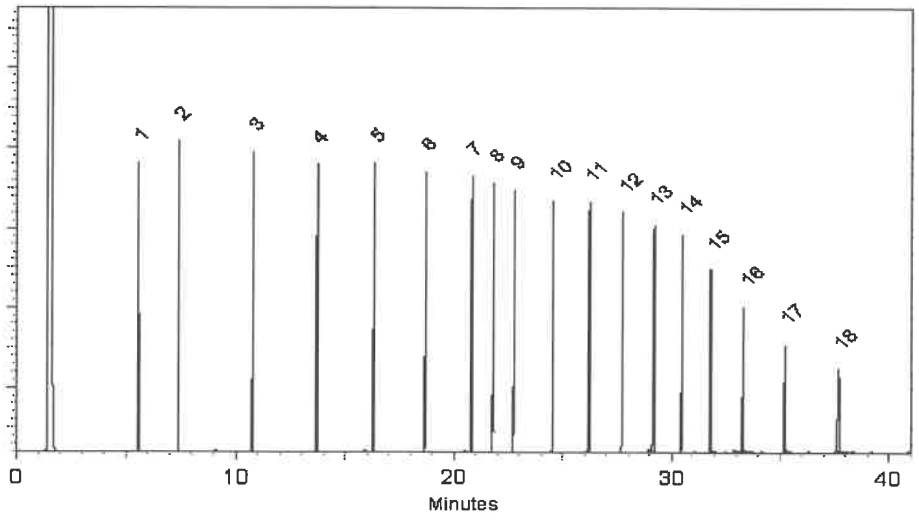
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800 ↓ P13889 } Y.P. 12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	201.0 µg/mL	+/- 5.1917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

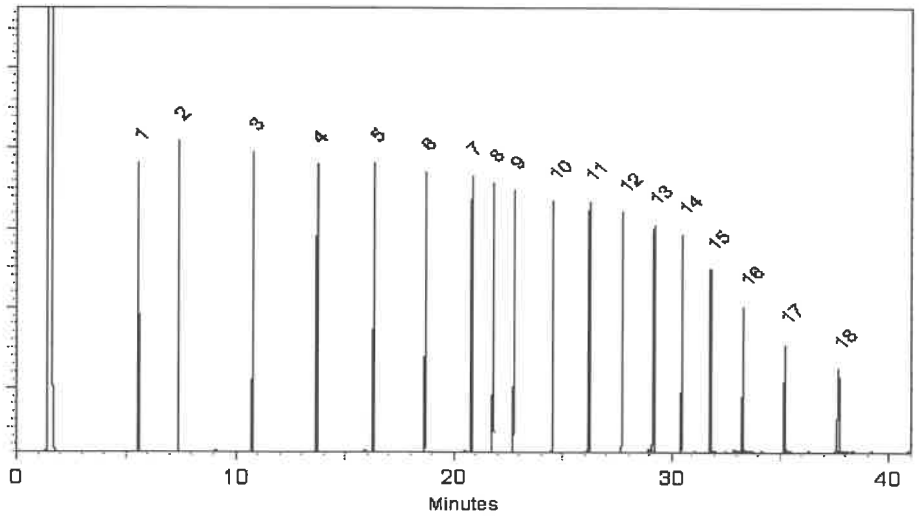
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

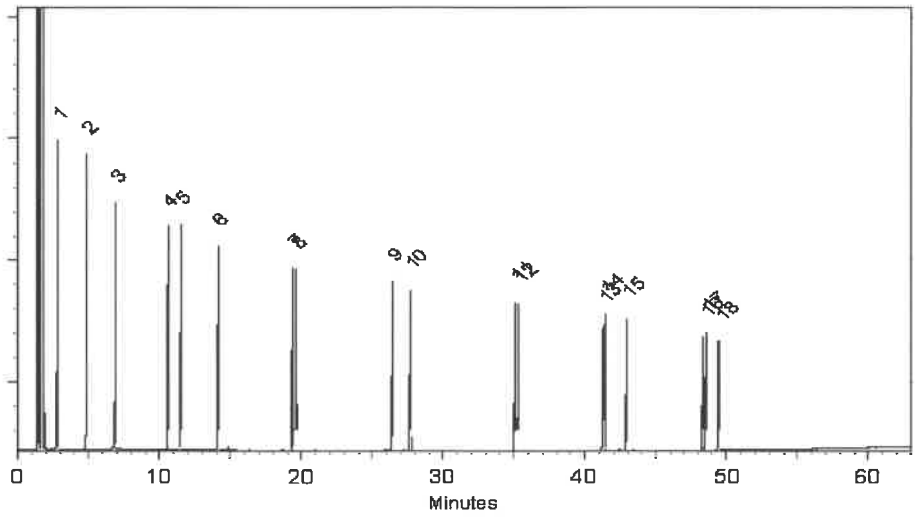
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

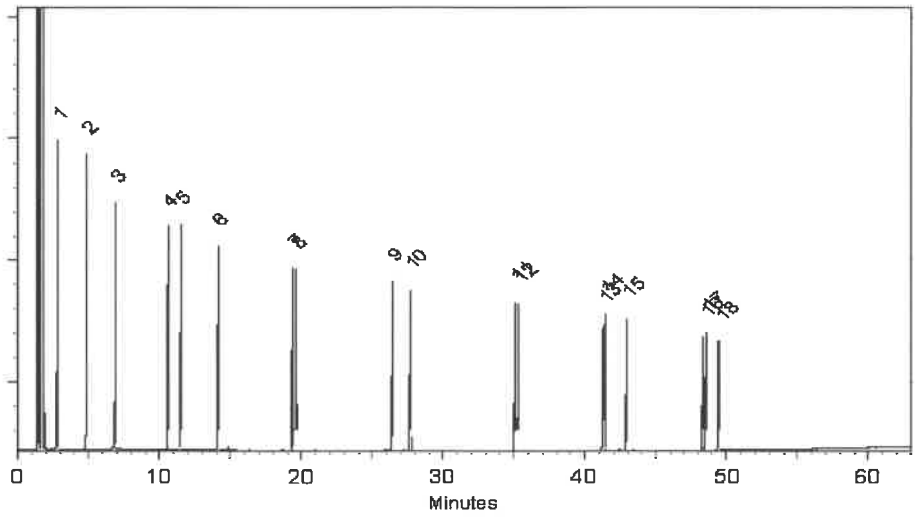
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

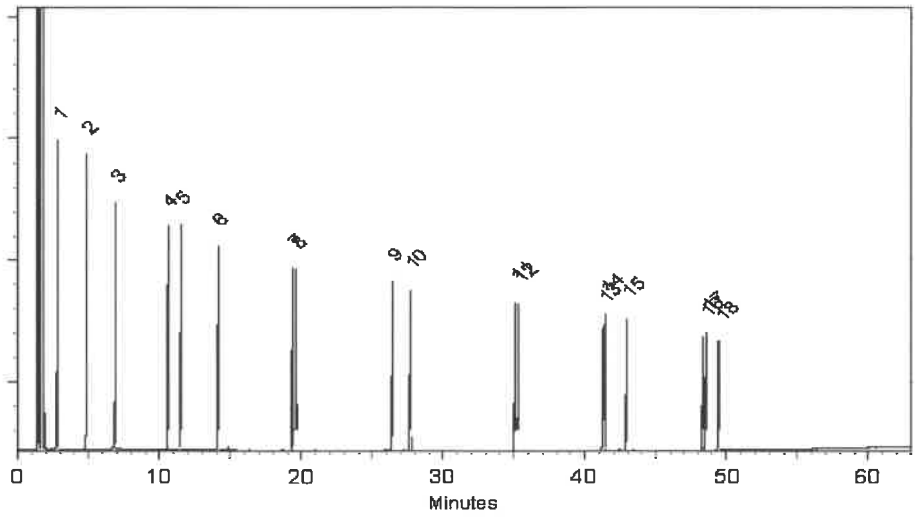
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

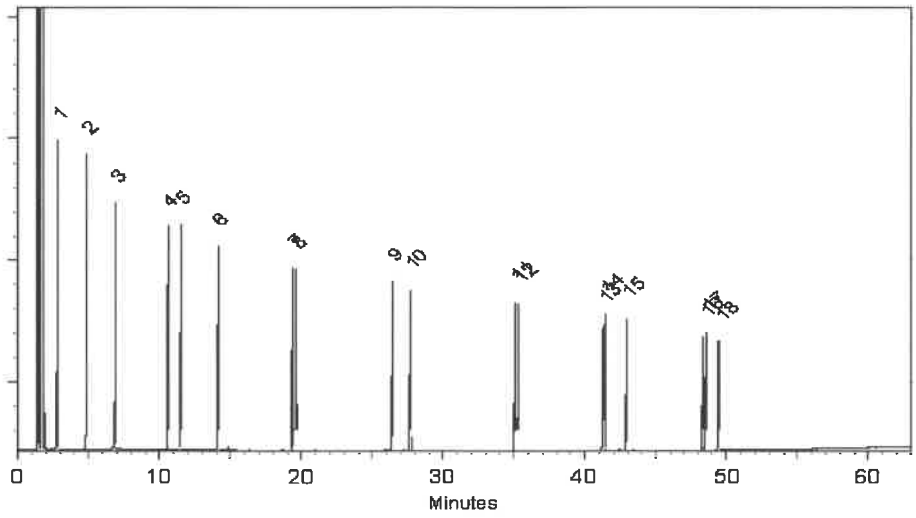
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

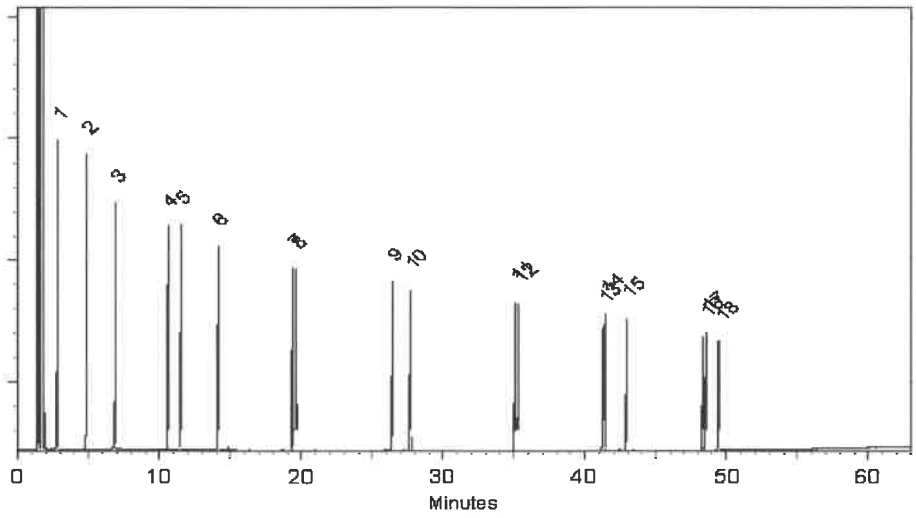
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

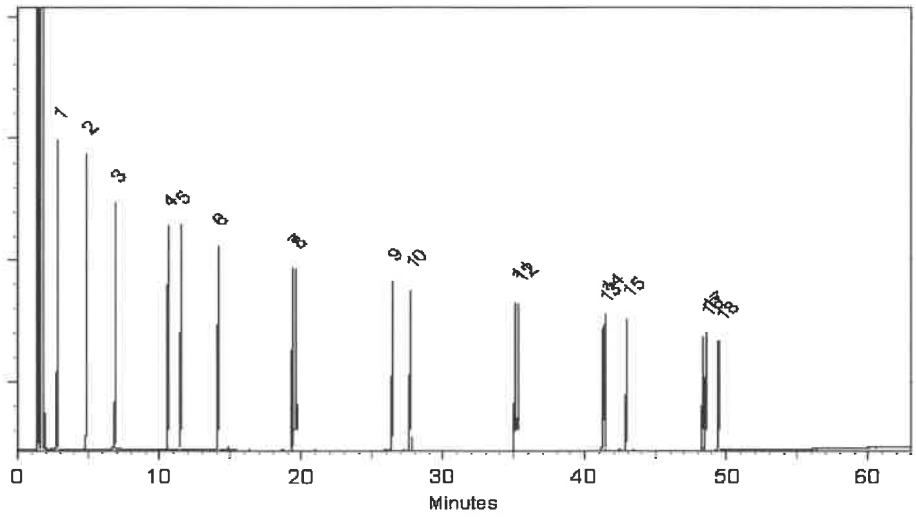
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

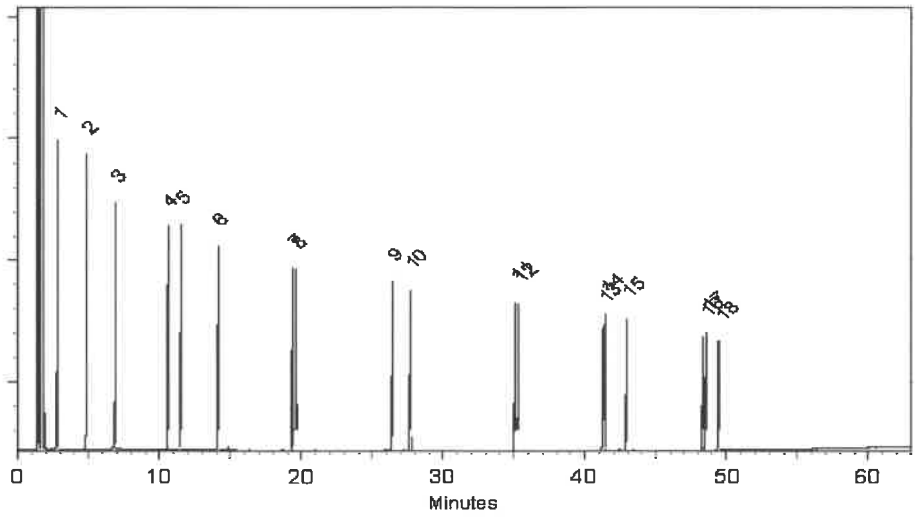
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13835 & P13860 Y.P. 12/09/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

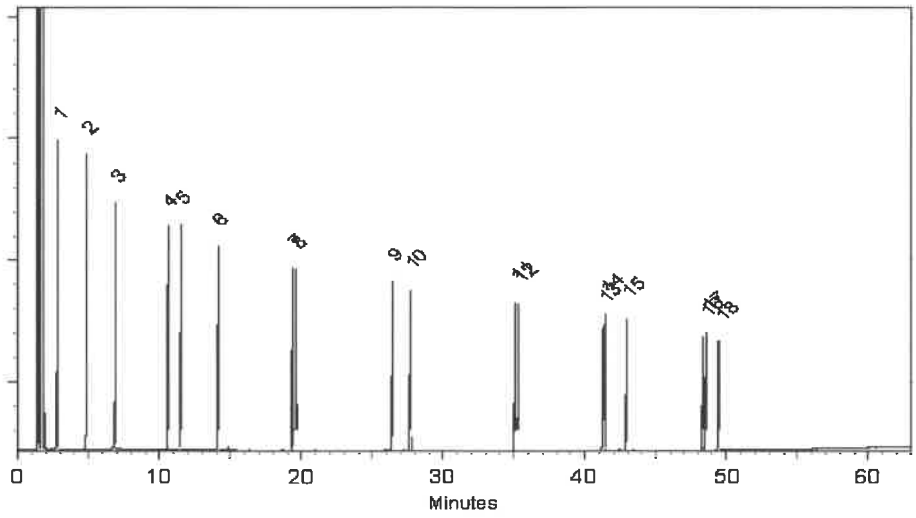
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience

SHIPPING DOCUMENTS

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-01	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	8:35 3-27-25		8:35 3-27-25	IR Gun #1 2.1 C no Custody Seal Temp Blank present

Q16664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-02	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0855 3/27/25		8:35 3-27-25	IR Gun #1 2.1°C
					No Custody Seal
					Temp Blank present

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-002-01	P001-BBDGA-002		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		F	SPLP EPH	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		G	SPLP VOCs	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		0835 3-27-25	IR Gun #1 2.1°C
					No Custody Seal
					No Temp Blank

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-003-01	P001-BBDGA-003		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		F	SPLP EPH	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		G	SPLP VOCs	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3-27-25	IR Cont # 1 2.1°
					No Custody Seal
					Temp Blank pres

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-004-01	P001-BBDGA-004		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		F	SPLP EPH	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		G	SPLP VOCs	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0935 3/27/25		0:35 3-27-25	If C-#1 2-1 °C No Custody Seal Temp Blk present

Q16664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-005-01	P001-BBDGA-005		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		F	SPLP EPH	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		G	SPLP VOCs	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3-27-25	IR Gun # 1 2.1 No Custody Seal Trip Blank

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-006-01	P001-BBDGA-006		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		F	SPLP EPH	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		G	SPLP VOCs	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	3/27/25 0835		8:35 3-27-25	IR Gun 1 2.1 C No Custody Seal Intact Temp Blank present

Q16664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-007-01	P001-BBDGA-007		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		F	SPLP EPH	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		G	SPLP VOCs	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	3/27/25 0835		0835 3-27-25	IR Gun #1 2.1°C No Custody Seal Temp Blank present

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-008-01	P001-BBDGA-008		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		F	SPLP EPH	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		G	SPLP VOCs	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3.27.25	IR Gun #1 2.1 C no Custody Seal Temp Blank present

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 3/27/2025 10:47:00 AM
Project Name : RFP 905
Receive DateTime : 3/27/2025 8:35:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q1664-01	P001-BBDGA-001-01	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days	3 Days	
Q1664-02	Q1664-01MS	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-03	Q1664-01MSD	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-07	P001-BBDGA-001-02	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-09	P001-BBDGA-002-01	Solid	03/26/2025	09:35						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-11	P001-BBDGA-003-01	Solid	03/26/2025	09:40						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-13	P001-BBDGA-004-01	Solid	03/26/2025	09:45						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-15	P001-BBDGA-005-01	Solid	03/26/2025	09:50						

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 3/27/2025 10:47:00 AM
Project Name : RFP 905
Receive DateTime : 3/27/2025 8:35:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	3 days	
Q1664-17	P001-BBDGA-006-01	Solid	03/26/2025	09:55						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-19	P001-BBDGA-007-01	Solid	03/26/2025	10:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-21	P001-BBDGA-008-01	Solid	03/26/2025	10:05						
					VOC-TCLVOA-10		8260D	10 Bus. Days		

Relinguished By :
Date / Time : 3/27/25 1200

Received By :
Date / Time : 03.27.25 12:00

Storage Area : VOA Refridgerator Room