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Cover Page

Order ID : Q1308

Project ID : North Point

Client : ENTACT

Lab Sample Number	Client Sample Number
Q1308-01	EX-8-TPH-1
Q1308-02	EX-6-TPH-1
Q1308-03	EX-6-TPH-2
Q1308-04	EX-11-TPH-5
Q1308-05	EX-11-TPH-6
Q1308-06	EX-11-TPH-7
Q1308-07	EX-11-TPH-8
Q1308-08	EX-11-TPH-9
Q1308-09	EX-11-TPH-10
Q1308-10	EX-11-TPH-11
Q1308-11	EX-11-TPH-12
Q1308-12	EX-11-TPH-13
Q1308-13	EX-11-TPH-14

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

Signature : _____

Date: 2/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1308**

	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: **NILESH PRAJAPATI** **Date:** **02/11/2025**

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LAB CHRONICLE

OrderID:	Q1308	**OrderDate:**	2/5/2025 2:42:00 PM
Client:	ENTACT	**Project:**	North Point
Contact:	Wyatt Seel	**Location:**	N41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1308-01	**EX-8-TPH-1**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-01DL	**EX-8-TPH-1DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-02	**EX-6-TPH-1**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-02DL	**EX-6-TPH-1DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-03	**EX-6-TPH-2**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-03DL	**EX-6-TPH-2DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-03DL2	**EX-6-TPH-2DL2**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-04	**EX-11-TPH-5**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/06/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	

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LAB CHRONICLE

Q1308-05	**EX-11-TPH-6**	**SOIL**			**02/05/25**		**02/05/25**
			Diesel Range Organics	8015D		02/06/25 02/06/25	
			Gasoline Range Organics	8015D		02/06/25	
			EPH	NJEPH		02/06/25 02/07/25	
Q1308-06	**EX-11-TPH-7**	**SOIL**			**02/05/25**		**02/05/25**
			Diesel Range Organics	8015D		02/06/25 02/07/25	
			Gasoline Range Organics	8015D		02/06/25	
			EPH	NJEPH		02/06/25 02/07/25	
			EPH	NJEPH		02/06/25 02/08/25	
Q1308-06DL	**EX-11-TPH-7DL**	**Solid**			**02/05/25**		**02/05/25**
			EPH	NJEPH		02/06/25 02/07/25	
			EPH	NJEPH		02/06/25 02/08/25	
Q1308-06DL2	**EX-11-TPH-7DL2**	**Solid**			**02/05/25**		**02/05/25**
			EPH	NJEPH		02/06/25 02/07/25	
			EPH	NJEPH		02/06/25 02/08/25	
Q1308-07	**EX-11-TPH-8**	**SOIL**			**02/05/25**		**02/05/25**
			Diesel Range Organics	8015D		02/06/25 02/07/25	
			Gasoline Range Organics	8015D		02/07/25	
			EPH	NJEPH		02/06/25 02/07/25	
			EPH	NJEPH		02/06/25 02/08/25	
Q1308-07DL	**EX-11-TPH-8DL**	**Solid**			**02/05/25**		**02/05/25**
			EPH	NJEPH		02/06/25 02/07/25	
			EPH	NJEPH		02/06/25 02/08/25	
Q1308-08	**EX-11-TPH-9**	**SOIL**			**02/05/25**		**02/05/25**
			Diesel Range Organics	8015D		02/06/25 02/07/25	
			Gasoline Range Organics	8015D		02/07/25	
			EPH	NJEPH		02/06/25 02/07/25	
			EPH	NJEPH		02/06/25 02/08/25	
Q1308-08DL	**EX-11-TPH-9DL**	**Solid**			**02/05/25**		**02/05/25**
			EPH	NJEPH		02/06/25 02/07/25	
			EPH	NJEPH		02/06/25 02/08/25	

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LAB CHRONICLE

Q1308-08DL2	**EX-11-TPH-9DL2**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-09	**EX-11-TPH-10**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/07/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-09DL	**EX-11-TPH-10DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/08/25	
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-09DL2	**EX-11-TPH-10DL2**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/08/25	
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-10	**EX-11-TPH-11**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/07/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-10DL	**EX-11-TPH-11DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-11	**EX-11-TPH-12**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/07/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-11DL	**EX-11-TPH-12DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-12	**EX-11-TPH-13**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	

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LAB CHRONICLE

			Gasoline Range Organics	8015D			02/07/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-12DL	**EX-11-TPH-13DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-12DL2	**EX-11-TPH-13DL2**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-12DL3	**EX-11-TPH-13DL3**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-13	**EX-11-TPH-14**	**SOIL**			**02/05/25**			**02/05/25**
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/07/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/10/25	
Q1308-13DL	**EX-11-TPH-14DL**	**Solid**			**02/05/25**			**02/05/25**
			EPH	NJEPH		02/06/25	02/10/25	



QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FC020725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB166603BL	85			0
PB166603BS	70			0
PB166603BSD	71			0
EX-11-TPH-5	128			0
EX-11-TPH-5MS	78			0
EX-11-TPH-5MSD	77			0
EX-11-TPH-6	45			0
EX-11-TPH-13	136			0
EX-11-TPH-14	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: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FC021025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-11-TPH-13DL	142 *			1
EX-11-TPH-13DL2	145 *			1
EX-11-TPH-13DL3	0 *			1
EX-11-TPH-14DL	107			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: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FD020725AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB166603BL	93	73	79	0
PB166603BS	102	106	86	0
PB166603BSD	102	106	87	0
EX-11-TPH-5	75	54	76	0
EX-11-TPH-5MS	103	100	65	0
EX-11-TPH-5MSD	103	100	65	0
EX-11-TPH-6	91	96	41	0
EX-11-TPH-13	137	138	127	0
EX-11-TPH-14	98	87	100	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: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FD021025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-11-TPH-13DL	0 *	0 *	0 *	3

	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: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FE020725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-8-TPH-1	58			0
EX-8-TPH-1DL	59			0
EX-6-TPH-1	65			0
EX-6-TPH-1DL	58			0
EX-6-TPH-2	78			0
EX-6-TPH-2DL	88			0
EX-6-TPH-2DL2	85			0
EX-11-TPH-7	63			0
EX-11-TPH-7DL	69			0
EX-11-TPH-7DL2	0 *			1
EX-11-TPH-8	65			0
EX-11-TPH-8DL	67			0
EX-11-TPH-9	80			0
EX-11-TPH-9DL	90			0
EX-11-TPH-9DL2	0 *			1
EX-11-TPH-10	98			0
EX-11-TPH-11	96			0
EX-11-TPH-12	65			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FE021025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-11-TPH-10DL	109			0
EX-11-TPH-10DL2	0 *			1
EX-11-TPH-11DL	0 *			1
EX-11-TPH-12DL	76			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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FF020725AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-8-TPH-1	112	87	65	0
EX-8-TPH-1DL	99	65	58	0
EX-6-TPH-1	106	87	72	0
EX-6-TPH-1DL	98	71	70	0
EX-6-TPH-2	153 *	117	101	1
EX-6-TPH-2DL	162 *	100	105	1
EX-6-TPH-2DL2	159 *	100	111	1
EX-11-TPH-7	176 *	131	78	1
EX-11-TPH-7DL	175 *	124	84	1
EX-11-TPH-7DL2	160 *	78	84	1
EX-11-TPH-8	124	106	71	0
EX-11-TPH-8DL	138	107	77	0
EX-11-TPH-9	174 *	137	93	1
EX-11-TPH-9DL	179 *	132	104	1
EX-11-TPH-9DL2	190 *	108	114	1
EX-11-TPH-10	129	91	107	0
EX-11-TPH-10DL	133	83	116	0
EX-11-TPH-10DL2	130	57	110	0
EX-11-TPH-11	139	92	101	0
EX-11-TPH-12	118	94	63	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: ENTA05

Lab Code: CHEM CASE No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Run Number: FF021025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-11-TPH-11DL	135	80	105	0
EX-11-TPH-12DL	119	91	69	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

	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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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : Q1308-04MS **Datafile:** FC068234.D

Client ID : EX-11-TPH-5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.7	0	6.22	53		(40-140)
Aliphatic C12-C16	7.8	2.65	6.29	47		(40-140)
Aliphatic C16-C21	11.7	5.32	8.25	25	*	(40-140)
Aliphatic C21-C28	15.6	0	10.2	65		(40-140)
Aliphatic C28-C40	23.4	4.05	22.5	79		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : Q1308-04MSD **Datafile:** FC068235.D

Client ID : EX-11-TPH-5MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	11.7	0	6.24	53		0.38 |	(40-140)	25
Aliphatic C12-C16	7.8	2.65	6.46	49		4.6 |	(40-140)	25
Aliphatic C16-C21	11.7	5.32	8.44	27	*	6.58 |	(40-140)	25
Aliphatic C21-C28	15.6	0	10.3	66		1.06 |	(40-140)	25
Aliphatic C28-C40	23.4	4.05	22.6	79		0.51 |	(40-140)	25

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Fax : 908 789 8922

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : Q1308-04MS **Datafile:** FD049057.D

Client ID : EX-11-TPH-5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.8	0	5.11	66		(40-140)
Aromatic C12-C16	11.7	1.54	9.45	68		(40-140)
Aromatic C16-C21	19.5	1.52	18.6	88		(40-140)
Aromatic C21-C36	31.2	0	30.7	98		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : Q1308-04MSD **Datafile:** FD049058.D

Client ID : EX-11-TPH-5MSD

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	7.8	0	5.11	66		0.15 | (40-140)	25
Aromatic C12-C16	11.7	1.54	9.43	68		0.15 | (40-140)	25
Aromatic C16-C21	19.5	1.52	18.5	87		0.46 | (40-140)	25
Aromatic C21-C36	31.2	0	29.5	95		3.94 | (40-140)	25

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : PB166603BS **Datafile:** FC068230.D

Client ID : PB166603BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	4.57	46		(40-140)
Aliphatic C12-C16	6.7	4.09	61		(40-140)
Aliphatic C16-C21	10	7.01	70		(40-140)
Aliphatic C21-C28	13.3	9.65	72		(40-140)
Aliphatic C28-C40	20.0	17.2	86		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : PB166603BSD **Datafile:** FC068231.D

Client ID : PB166603BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	4.60	46		0.68|	(40-140)	50
Aliphatic C12-C16	6.7	4.12	62		0.68|	(40-140)	50
Aliphatic C16-C21	10.0	7.05	70		0.45|	(40-140)	50
Aliphatic C21-C28	13.3	9.68	73		0.3|	(40-140)	50
Aliphatic C28-C40	20.0	17.3	86		0.49|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : PB166603BS **Datafile:** FD049053.D

Client ID : PB166603BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.36	66		(40-140)
Aromatic C12-C16	10	7.56	76		(40-140)
Aromatic C16-C21	16.7	15.2	91		(40-140)
Aromatic C21-C36	26.6	25.1	94		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308

Sample No : PB166603BSD **Datafile:** FD049054.D

Client ID : PB166603BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.38	66		0.33|	(40-140)	50
Aromatic C12-C16	10.0	7.59	76		0.29|	(40-140)	50
Aromatic C16-C21	16.7	15.3	92		0.57|	(40-140)	50
Aromatic C21-C36	26.7	25.2	94		0.35|	(40-140)	50

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166603BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG NO.: Q1308

Instrument ID: FID_C Lab Sample ID: PB166603BL

Matrix: (soil/water) Solid Date Extracted: 2/6/2025 2:20:00 PM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB166603BS	PB166603BS
PB166603BSD	PB166603BSD
EX-8-TPH-1	Q1308-01
EX-6-TPH-1	Q1308-02
EX-6-TPH-2	Q1308-03
EX-11-TPH-5	Q1308-04
EX-11-TPH-5MS	Q1308-04MS
EX-11-TPH-5MSD	Q1308-04MSD
EX-11-TPH-6	Q1308-05
EX-11-TPH-7	Q1308-06
EX-11-TPH-8	Q1308-07
EX-11-TPH-9	Q1308-08
EX-11-TPH-10	Q1308-09
EX-11-TPH-11	Q1308-10
EX-11-TPH-12	Q1308-11
EX-11-TPH-13	Q1308-12
EX-11-TPH-14	Q1308-13

COMMENTS:



SAMPLE DATA

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Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-8-TPH-1	SDG No.:	Q1308
Lab Sample ID:	Q1308-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
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
02/06/25 14:20	02/07/25 18:56	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	64.9		20	8.56	22.5	mg/kg	FE052296.D
Aliphatic C12-C16	Aliphatic C12-C16	217		20	5.41	15.0	mg/kg	FE052296.D
Aliphatic C16-C21	Aliphatic C16-C21	120		20	6.76	22.5	mg/kg	FE052296.D
Aliphatic C21-C28	Aliphatic C21-C28	15.5		1	0.90	1.50	mg/kg	FE052284.D
Aliphatic C28-C40	Aliphatic C28-C40	7.33		1	2.03	2.25	mg/kg	FE052284.D
Aromatic C10-C12	Aromatic C10-C12	12.0		1	0.34	0.75	mg/kg	FF015486.D
Aromatic C12-C16	Aromatic C12-C16	64.3		5	1.91	5.63	mg/kg	FF015497.D
Aromatic C16-C21	Aromatic C16-C21	128		5	5.41	9.39	mg/kg	FF015497.D
Aromatic C21-C36	Aromatic C21-C36	20.3		1	2.25	3.00	mg/kg	FF015486.D
Total AliphaticEPH	Total AliphaticEPH	425			23.7	63.8	mg/kg	
Total AromaticEPH	Total AromaticEPH	225			9.91	18.8	mg/kg	
Total EPH	Total EPH	649			33.6	82.5	mg/kg	

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

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

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Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-8-TPH-1	SDG No.:	Q1308
Lab Sample ID:	Q1308-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
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
FE052284.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		59.3	E	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		193	E	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		113	E	0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		15.5		0.90	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.33		2.03	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.9		40 - 140	58%	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:	Q1308-01	Acq On:	07 Feb 2025 11:26
Client Sample ID:	EX-8-TPH-1	Operator:	YP\AJ
Data file:	FE052284.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	75980170	789.943	300	ug/ml
Aliphatic C12-C16	7.236	10.639	270168917	2580	200	ug/ml
Aliphatic C16-C21	10.640	13.984	170474765	1510	300	ug/ml
Aliphatic C21-C28	13.985	17.628	23484115	206.003	400	ug/ml
Aliphatic C28-C40	17.629	22.712	8940874	97.657	600	ug/ml
Aliphatic EPH	3.679	22.712	549048841	5180		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.729	13.729	2846991	28.85		ug/ml
Aliphatic C9-C28	3.679	17.628	540107967	5080	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052284.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 11:26
Operator : YP\AJ
Sample : Q1308-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:22:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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...	13.729	2846991	28.848 ug/mlm
Spiked Amount 50.000		Recovery = 57.70%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052284.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 11:26
Operator : YP\AJ
Sample : Q1308-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

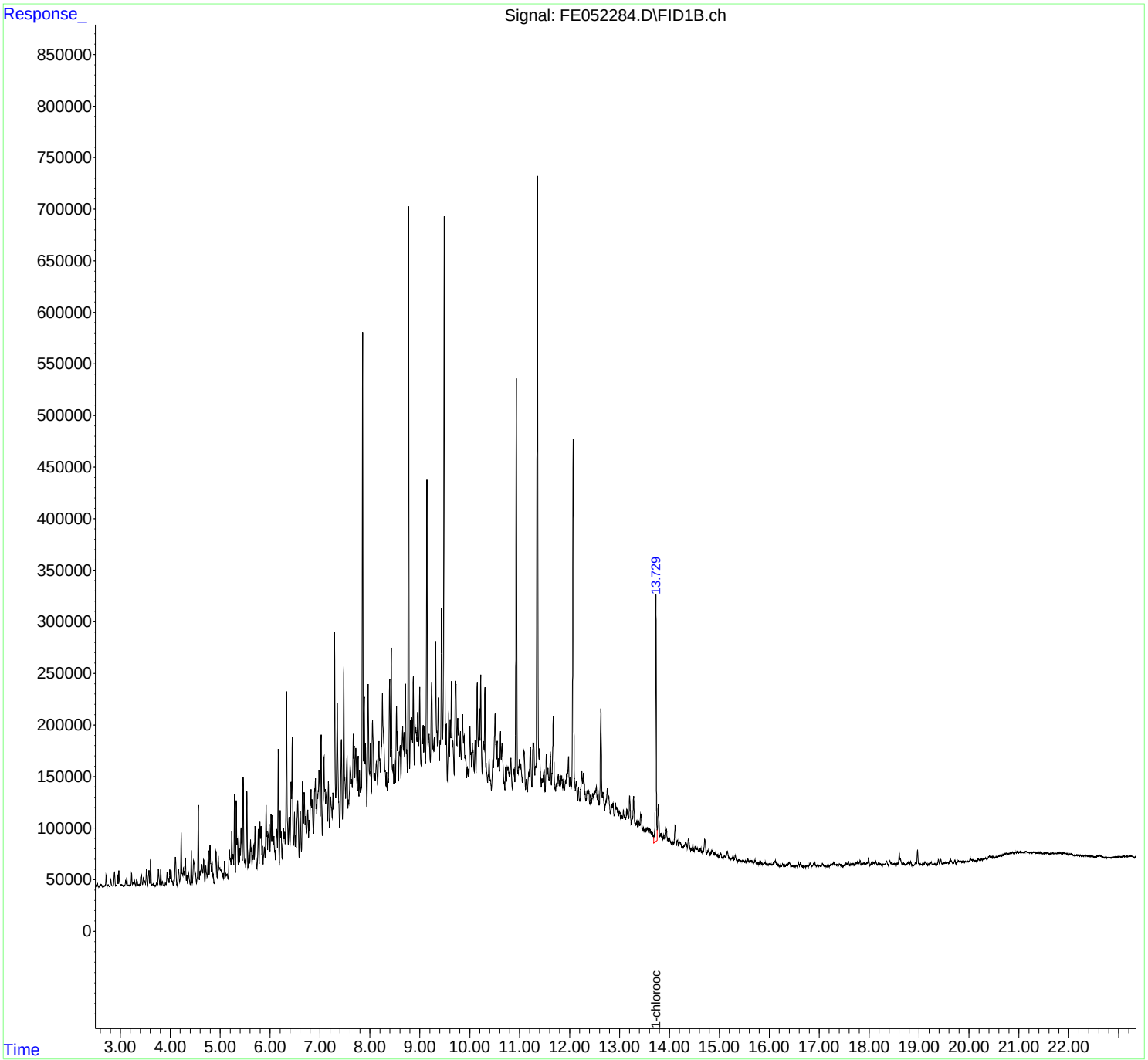
Integration File: autoint1.e
Quant Time: Feb 08 02:22:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

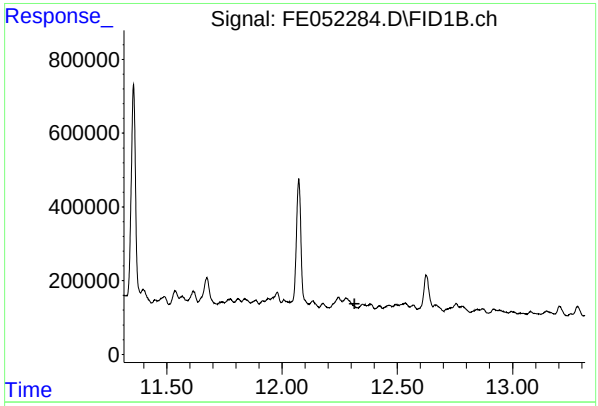
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





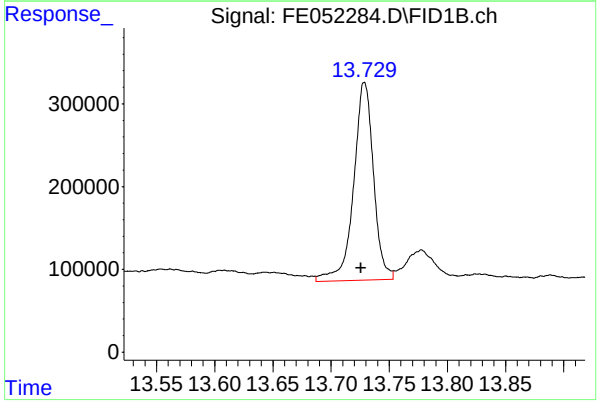
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.729 min
Delta R.T.: 0.003 min
Response: 2846991
Conc: 28.85 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052284.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 11:26
Sample : Q1308-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.226	3.205	3.242	PV	11242	97709	0.79%	0.018%
2	3.256	3.242	3.271	PV	2204	25036	0.20%	0.005%
3	3.287	3.271	3.308	VV	3555	34924	0.28%	0.006%
4	3.328	3.308	3.358	PV	5409	79151	0.64%	0.014%
5	3.375	3.358	3.389	VV	1431	14780	0.12%	0.003%
6	3.422	3.389	3.444	PV	10635	186141	1.51%	0.034%
7	3.464	3.444	3.503	VV	7824	155191	1.26%	0.028%
8	3.524	3.503	3.544	VV	16794	190039	1.54%	0.034%
9	3.574	3.544	3.589	VV	15160	214235	1.74%	0.039%
10	3.607	3.589	3.628	VV	25859	266294	2.16%	0.048%
11	3.638	3.628	3.645	VV	1500	12906	0.10%	0.002%
12	3.657	3.645	3.686	VV	1964	27915	0.23%	0.005%
13	3.725	3.686	3.739	PV	2545	29725	0.24%	0.005%
14	3.764	3.739	3.792	VV	16003	221237	1.79%	0.040%
15	3.809	3.792	3.828	VV	16169	169275	1.37%	0.031%
16	3.842	3.828	3.878	VV	4364	53963	0.44%	0.010%
17	3.903	3.878	3.915	PV	2783	28861	0.23%	0.005%
18	3.937	3.915	3.955	VV	13101	166757	1.35%	0.030%
19	3.965	3.955	3.976	VV	7315	71233	0.58%	0.013%
20	3.992	3.976	4.004	VV	15617	158189	1.28%	0.029%
21	4.017	4.004	4.058	VV	15353	223452	1.81%	0.040%
22	4.103	4.058	4.136	VV	27504	491631	3.98%	0.089%
23	4.164	4.136	4.188	VV	15495	255217	2.07%	0.046%
24	4.219	4.188	4.250	VV	51364	685377	5.55%	0.124%
25	4.264	4.250	4.276	VV	17242	201836	1.63%	0.036%
26	4.304	4.276	4.322	VV	26697	413001	3.34%	0.074%
27	4.333	4.322	4.348	VV	9876	100445	0.81%	0.018%
28	4.367	4.348	4.401	VV	11770	184199	1.49%	0.033%
29	4.422	4.401	4.441	VV	33547	316570	2.56%	0.057%
30	4.469	4.441	4.525	VV	23860	619732	5.02%	0.112%
31	4.562	4.525	4.583	VV	76685	880388	7.13%	0.159%
32	4.598	4.583	4.612	VV	13464	187024	1.51%	0.034%
33	4.634	4.612	4.651	VV	19827	338589	2.74%	0.061%
34	4.670	4.651	4.693	VV	24442	358566	2.90%	0.065%
35	4.713	4.693	4.739	VV	18157	296201	2.40%	0.053%
36	4.765	4.739	4.780	VV	32948	471693	3.82%	0.085%

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

37	4.797	4.780	4.826	VV	37877	635793	5.15%	0.115%
38	4.839	4.826	4.883	VV	20176	333081	2	
39	4.918	4.883	4.939	VV	32266	513453	4	
40	4.963	4.939	4.981	VV	25598	440723	3	
41	4.993	4.981	5.050	VV	16328	541410	4	
42	5.060	5.050	5.072	VV	10823	114040	0	
43	5.089	5.072	5.121	VV	22529	375123	3.04%	0.068%
44	5.137	5.121	5.157	VV	9845	179234	1.45%	0.032%
45	5.184	5.157	5.217	VV	32875	768919	6.23%	0.139%
46	5.233	5.217	5.249	VV	50615	648838	5.25%	0.117%
47	5.258	5.249	5.270	VV	28791	335274	2.72%	0.060%
48	5.287	5.270	5.306	VV	85991	929192	7.53%	0.168%
49	5.324	5.306	5.361	VV	79968	1398856	11.33%	0.252%
50	5.375	5.361	5.388	VV	46802	505452	4.09%	0.091%
51	5.418	5.388	5.442	VV	54147	1175337	9.52%	0.212%
52	5.462	5.442	5.489	VV	103141	1437990	11.65%	0.259%
53	5.498	5.489	5.512	VV	22873	267061	2.16%	0.048%
54	5.536	5.512	5.557	VV	88600	1157762	9.38%	0.209%
55	5.578	5.557	5.594	VV	33619	556662	4.51%	0.100%
56	5.609	5.594	5.639	VV	42301	828607	6.71%	0.149%
57	5.670	5.639	5.682	VV	37005	700550	5.67%	0.126%
58	5.699	5.682	5.736	VV	55462	1030756	8.35%	0.186%
59	5.765	5.736	5.780	VV	52456	842498	6.82%	0.152%
60	5.797	5.780	5.809	VV	59170	768674	6.23%	0.139%
61	5.820	5.809	5.838	VV	55359	763275	6.18%	0.138%
62	5.846	5.838	5.861	VV	36329	394853	3.20%	0.071%
63	5.886	5.861	5.899	VV	34995	653607	5.29%	0.118%
64	5.921	5.899	5.951	VV	75769	1517107	12.29%	0.274%
65	5.983	5.951	5.999	VV	57480	1275181	10.33%	0.230%
66	6.020	5.999	6.034	VV	66503	1070310	8.67%	0.193%
67	6.050	6.034	6.067	VV	65930	1021989	8.28%	0.184%
68	6.077	6.067	6.107	VV	45353	833910	6.75%	0.150%
69	6.134	6.107	6.147	VV	52175	976366	7.91%	0.176%
70	6.165	6.147	6.185	VV	129588	1562492	12.65%	0.282%
71	6.203	6.185	6.216	VV	69491	878694	7.12%	0.158%
72	6.222	6.216	6.239	VV	49096	541723	4.39%	0.098%
73	6.272	6.239	6.282	VV	53061	1040765	8.43%	0.188%
74	6.291	6.282	6.303	VV	49021	543112	4.40%	0.098%
75	6.330	6.303	6.364	VV	184321	3082747	24.97%	0.556%
76	6.380	6.364	6.400	VV	63392	1061728	8.60%	0.192%
77	6.422	6.400	6.430	VV	97544	1279181	10.36%	0.231%
78	6.444	6.430	6.472	VV	141455	2038176	16.51%	0.368%
79	6.489	6.472	6.524	VV	68206	1441540	11.67%	0.260%
80	6.555	6.524	6.582	VV	79253	1920079	15.55%	0.346%
81	6.604	6.582	6.629	VV	68909	1338406	10.84%	0.241%
82	6.652	6.629	6.671	VV	97423	1689627	13.68%	0.305%
83	6.685	6.671	6.703	VV	86909	1371882	11.11%	0.247%
84	6.710	6.703	6.730	VV	63558	919595	7.45%	0.166%
85	6.755	6.730	6.772	VV	69710	1457411	11.80%	0.263%
86	6.821	6.772	6.832	VV	89540	2382544	19.30%	0.430%
87	6.840	6.832	6.871	VV	79694	1517672	12.29%	0.274%
88	6.908	6.871	6.936	VV	100206	2981956	24.15%	0.538%
89	6.981	6.936	7.005	VV	107471	3583080	29.02%	0.646%

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90	7.023	7.005	7.047	VV	141406	2295131	18.59%	0.414%
91	7.081	7.047	7.115	VV	120868	3478060	28	
92	7.133	7.115	7.151	VV	87369	1640070	13	
93	7.170	7.151	7.191	VV	96928	1808277	14	
94	7.215	7.191	7.244	VV	81907	2211178	17	
95	7.260	7.244	7.272	VV	85335	1250078	10	
96	7.293	7.272	7.317	VV	239920	3610331	29.24%	0.651%
97	7.347	7.317	7.395	VV	172424	4885681	39.57%	0.881%
98	7.429	7.395	7.451	VV	137582	3043369	24.65%	0.549%
99	7.477	7.451	7.515	VV	207114	4486272	36.33%	0.809%
100	7.541	7.515	7.560	VV	119696	2681655	21.72%	0.484%
101	7.606	7.560	7.647	VV	112916	4768945	38.62%	0.860%
102	7.667	7.647	7.678	VV	142272	2218812	17.97%	0.400%
103	7.686	7.678	7.699	VV	130437	1529436	12.39%	0.276%
104	7.719	7.699	7.750	VV	127921	3306780	26.78%	0.596%
105	7.765	7.750	7.780	VV	120516	1831686	14.83%	0.330%
106	7.793	7.780	7.808	VV	105681	1581129	12.81%	0.285%
107	7.855	7.808	7.872	VV	532866	7555722	61.19%	1.363%
108	7.887	7.872	7.902	VV	178058	2675367	21.67%	0.483%
109	7.912	7.902	7.939	VV	132912	2423518	19.63%	0.437%
110	7.965	7.939	7.998	VV	189759	4430009	35.88%	0.799%
111	8.011	7.998	8.031	VV	132908	2200700	17.82%	0.397%
112	8.053	8.031	8.084	VV	155575	3913061	31.69%	0.706%
113	8.094	8.084	8.107	VV	103716	1431162	11.59%	0.258%
114	8.131	8.107	8.156	VV	114685	3069077	24.86%	0.554%
115	8.182	8.156	8.211	VV	134525	3758856	30.44%	0.678%
116	8.251	8.211	8.323	VV	180931	8641391	69.99%	1.559%
117	8.335	8.323	8.350	VV	103793	1562551	12.65%	0.282%
118	8.396	8.350	8.414	VV	194120	4970801	40.26%	0.897%
119	8.429	8.414	8.458	VV	223190	3901201	31.60%	0.704%
120	8.464	8.458	8.480	VV	111125	1355995	10.98%	0.245%
121	8.500	8.480	8.514	VV	117727	2182084	17.67%	0.394%
122	8.534	8.514	8.549	VV	167810	2861125	23.17%	0.516%
123	8.557	8.549	8.574	VV	143855	1860834	15.07%	0.336%
124	8.605	8.574	8.623	VV	129616	3449864	27.94%	0.622%
125	8.656	8.623	8.670	VV	146732	3611671	29.25%	0.651%
126	8.683	8.670	8.695	VV	142834	1989295	16.11%	0.359%
127	8.713	8.695	8.751	VV	190631	4658974	37.73%	0.840%
128	8.775	8.751	8.798	VV	651733	8216453	66.54%	1.482%
129	8.818	8.798	8.831	VV	154609	2728067	22.09%	0.492%
130	8.843	8.831	8.854	VV	156000	1990038	16.12%	0.359%
131	8.869	8.854	8.890	VV	195645	3340048	27.05%	0.602%
132	8.905	8.890	8.942	VV	149274	4366600	35.36%	0.788%
133	8.959	8.942	8.976	VV	161872	2935997	23.78%	0.530%
134	8.999	8.976	9.025	VV	184491	4218731	34.17%	0.761%
135	9.046	9.025	9.053	VV	139965	2154047	17.45%	0.389%
136	9.065	9.053	9.080	VV	148140	2173152	17.60%	0.392%
137	9.094	9.080	9.112	VV	146724	2501184	20.26%	0.451%
138	9.143	9.112	9.168	VV	380942	6903332	55.91%	1.245%
139	9.185	9.168	9.210	VV	139878	3303192	26.75%	0.596%
140	9.238	9.210	9.270	VV	190142	5342474	43.27%	0.964%
141	9.287	9.270	9.300	VV	136055	2345518	19.00%	0.423%

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142	9.319	9.300	9.353	VV	227988	5132314	41.57%	0.926%
143	9.371	9.353	9.392	VV	175148	3380036	27	
144	9.437	9.392	9.457	VV	261803	6402913	51	
145	9.490	9.457	9.518	VV	636086	10874863	88	
146	9.530	9.518	9.551	VV	149814	2487245	20	
147	9.581	9.551	9.595	VV	161686	3386078	27	
148	9.610	9.595	9.619	VV	152915	2043693	16.55%	0.369%
149	9.634	9.619	9.688	VV	190349	5694553	46.12%	1.027%
150	9.719	9.688	9.743	VV	190533	5165122	41.83%	0.932%
151	9.761	9.743	9.776	VV	154472	2819074	22.83%	0.508%
152	9.784	9.776	9.802	VV	142811	2078271	16.83%	0.375%
153	9.814	9.802	9.832	VV	141388	2326461	18.84%	0.420%
154	9.856	9.832	9.876	VV	158527	3544252	28.70%	0.639%
155	9.887	9.876	9.939	VV	137967	4554490	36.89%	0.822%
156	9.952	9.939	9.968	VV	107396	1763179	14.28%	0.318%
157	9.975	9.968	9.984	VV	105114	1006864	8.15%	0.182%
158	10.005	9.984	10.038	VV	146389	3957259	32.05%	0.714%
159	10.053	10.038	10.091	VV	130312	3730442	30.21%	0.673%
160	10.109	10.091	10.126	VV	132813	2475093	20.05%	0.446%
161	10.151	10.126	10.173	VV	187671	4060814	32.89%	0.732%
162	10.193	10.173	10.205	VV	162388	2825657	22.88%	0.510%
163	10.221	10.205	10.249	VV	195790	3859526	31.26%	0.696%
164	10.270	10.249	10.287	VV	131403	2803202	22.70%	0.506%
165	10.304	10.287	10.358	VV	183686	5187741	42.01%	0.936%
166	10.389	10.358	10.434	VV	113896	4427474	35.86%	0.799%
167	10.464	10.434	10.475	VV	113819	2471899	20.02%	0.446%
168	10.508	10.475	10.535	VV	158034	4744857	38.43%	0.856%
169	10.548	10.535	10.565	VV	131544	2123849	17.20%	0.383%
170	10.580	10.565	10.595	VV	114252	2018088	16.34%	0.364%
171	10.616	10.595	10.631	VV	140099	2607343	21.12%	0.470%
172	10.647	10.631	10.702	VV	128949	4604755	37.29%	0.831%
173	10.721	10.702	10.738	VV	106271	2051674	16.62%	0.370%
174	10.753	10.738	10.762	VV	105922	1489988	12.07%	0.269%
175	10.771	10.762	10.790	VV	105250	1730003	14.01%	0.312%
176	10.825	10.790	10.853	VV	114449	3787197	30.67%	0.683%
177	10.888	10.853	10.903	VV	103832	2875032	23.28%	0.519%
178	10.934	10.903	10.967	VV	482589	8556630	69.30%	1.543%
179	10.999	10.967	11.012	VV	113637	2915676	23.61%	0.526%
180	11.022	11.012	11.051	VV	108866	2404744	19.48%	0.434%
181	11.089	11.051	11.119	VV	121069	4211751	34.11%	0.760%
182	11.136	11.119	11.155	VV	92952	1906356	15.44%	0.344%
183	11.215	11.155	11.246	VV	124566	5568476	45.10%	1.004%
184	11.269	11.246	11.305	VV	129565	4022191	32.57%	0.726%
185	11.356	11.305	11.387	VV	678331	12347481	100.00%	2.227%
186	11.398	11.387	11.435	VV	122759	3050655	24.71%	0.550%
187	11.450	11.435	11.461	VV	93468	1436993	11.64%	0.259%
188	11.489	11.461	11.511	VV	103021	2838749	22.99%	0.512%
189	11.537	11.511	11.555	VV	117785	2687684	21.77%	0.485%
190	11.567	11.555	11.591	VV	104252	2137533	17.31%	0.386%
191	11.616	11.591	11.638	VV	117295	2874237	23.28%	0.518%
192	11.674	11.638	11.721	VV	154485	5385751	43.62%	0.971%
193	11.739	11.721	11.750	VV	88195	1515838	12.28%	0.273%
194	11.775	11.750	11.793	VV	96832	2346035	19.00%	0.423%

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195	11.810	11.793	11.825	VV	96713	1743039	14.12%	0.314%
196	11.839	11.825	11.864	VV	95844	2173248	17	
197	11.885	11.864	11.901	VV	92265	1942769	15	
198	11.979	11.901	11.997	VV	114225	5559820	45	
199	12.008	11.997	12.035	VV	93740	1981480	16	
200	12.073	12.035	12.117	VV	418582	8614617	69	
201	12.133	12.117	12.161	VV	89886	2189257	17.73%	0.395%
202	12.177	12.161	12.204	VV	83718	1998411	16.18%	0.360%
203	12.245	12.204	12.261	VV	99916	2986077	24.18%	0.539%
204	12.278	12.261	12.331	VV	97941	3568889	28.90%	0.644%
205	12.350	12.331	12.371	VV	80962	1860006	15.06%	0.335%
206	12.384	12.371	12.405	VV	81073	1528402	12.38%	0.276%
207	12.422	12.405	12.437	VV	77111	1409427	11.41%	0.254%
208	12.464	12.437	12.480	VV	77531	1924937	15.59%	0.347%
209	12.494	12.480	12.505	VV	80816	1165472	9.44%	0.210%
210	12.534	12.505	12.555	VV	84256	2412481	19.54%	0.435%
211	12.570	12.555	12.588	VV	78460	1458710	11.81%	0.263%
212	12.626	12.588	12.655	VV	159975	4155834	33.66%	0.750%
213	12.665	12.655	12.701	VV	78834	1978863	16.03%	0.357%
214	12.755	12.701	12.771	VV	82770	3032711	24.56%	0.547%
215	12.782	12.771	12.816	VV	74772	1821109	14.75%	0.328%
216	12.870	12.816	12.895	VV	67553	3001107	24.31%	0.541%
217	12.918	12.895	12.981	VV	66837	3197044	25.89%	0.577%
218	12.995	12.981	13.025	VV	60588	1495586	12.11%	0.270%
219	13.034	13.025	13.065	VV	56048	1314873	10.65%	0.237%
220	13.078	13.065	13.121	VV	60981	1893741	15.34%	0.342%
221	13.148	13.121	13.185	VV	61431	2159237	17.49%	0.389%
222	13.204	13.185	13.237	VV	74292	1907453	15.45%	0.344%
223	13.282	13.237	13.335	VV	73688	3226830	26.13%	0.582%
224	13.348	13.335	13.364	VV	50880	854508	6.92%	0.154%
225	13.384	13.364	13.406	VV	49383	1192957	9.66%	0.215%
226	13.427	13.406	13.462	VV	56835	1676982	13.58%	0.302%
227	13.472	13.462	13.488	VV	43415	649348	5.26%	0.117%
228	13.501	13.488	13.513	VV	42075	632471	5.12%	0.114%
229	13.556	13.513	13.591	VV	43501	1946296	15.76%	0.351%
230	13.607	13.591	13.632	VV	42127	993865	8.05%	0.179%
231	13.645	13.632	13.688	VV	39747	1245471	10.09%	0.225%
232	13.729	13.688	13.755	VV	270756	4045336	32.76%	0.730%
233	13.777	13.755	13.810	VV	66676	1639979	13.28%	0.296%
234	13.827	13.810	13.873	VV	37379	1338870	10.84%	0.241%
235	13.888	13.873	13.908	VV	36085	710089	5.75%	0.128%
236	13.938	13.908	13.961	VV	41645	1147070	9.29%	0.207%
237	13.994	13.961	14.041	VV	33035	1480412	11.99%	0.267%
238	14.061	14.041	14.079	VV	29059	650469	5.27%	0.117%
239	14.113	14.079	14.140	VV	44281	1227103	9.94%	0.221%
240	14.160	14.140	14.187	VV	30460	806156	6.53%	0.145%
241	14.205	14.187	14.251	VV	29161	1033745	8.37%	0.186%
242	14.261	14.251	14.278	VV	24415	384420	3.11%	0.069%
243	14.327	14.278	14.358	VV	29019	1247396	10.10%	0.225%
244	14.381	14.358	14.448	VV	31913	1348038	10.92%	0.243%
245	14.468	14.448	14.491	VV	26588	592935	4.80%	0.107%
246	14.514	14.491	14.548	VV	23914	751119	6.08%	0.135%

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247	14.559	14.548	14.601	VV	22518	658317	5.33%	0.119%
248	14.621	14.601	14.645	VV	21643	533199	4	
249	14.706	14.645	14.747	VV	31006	1341185	10	
250	14.772	14.747	14.818	VV	19801	759567	6	
251	14.854	14.818	14.909	VV	19249	973428	7	
252	14.919	14.909	14.948	VV	16637	376082	3	
253	14.953	14.948	14.992	VV	15708	388092	3.14%	0.070%
254	15.020	14.992	15.072	VV	16939	694244	5.62%	0.125%
255	15.104	15.072	15.121	VV	14712	392447	3.18%	0.071%
256	15.158	15.121	15.218	VV	18642	830554	6.73%	0.150%
257	15.262	15.218	15.301	VV	12687	580316	4.70%	0.105%
258	15.317	15.301	15.369	VV	14116	454634	3.68%	0.082%
259	15.388	15.369	15.418	VV	10128	280287	2.27%	0.051%
260	15.427	15.418	15.450	VV	9470	174324	1.41%	0.031%
261	15.473	15.450	15.513	VV	9788	338012	2.74%	0.061%
262	15.527	15.513	15.551	VV	8442	182239	1.48%	0.033%
263	15.570	15.551	15.591	VV	10392	212728	1.72%	0.038%
264	15.630	15.591	15.671	VV	9401	397623	3.22%	0.072%
265	15.710	15.671	15.757	VV	9573	373811	3.03%	0.067%
266	15.777	15.757	15.794	VV	6304	137188	1.11%	0.025%
267	15.819	15.794	15.878	VV	7138	314138	2.54%	0.057%
268	15.920	15.878	15.958	VV	7092	273123	2.21%	0.049%
269	15.968	15.958	15.990	VV	4962	92529	0.75%	0.017%
270	16.014	15.990	16.065	VV	5401	221939	1.80%	0.040%
271	16.114	16.065	16.236	VV	7959	520176	4.21%	0.094%
272	16.266	16.236	16.318	VV	4744	174820	1.42%	0.032%
273	16.341	16.318	16.360	VV	4254	88529	0.72%	0.016%
274	16.399	16.360	16.461	VV	6389	265145	2.15%	0.048%
275	16.498	16.461	16.548	VV	2770	137263	1.11%	0.025%
276	16.552	16.548	16.560	VV	2866	19527	0.16%	0.004%
277	16.584	16.560	16.601	VV	4904	88838	0.72%	0.016%
278	16.627	16.601	16.671	VV	4991	141339	1.14%	0.025%
279	16.683	16.671	16.701	VV	2006	32830	0.27%	0.006%
280	16.715	16.701	16.735	VV	2132	36160	0.29%	0.007%
281	16.758	16.735	16.781	VV	2716	63851	0.52%	0.012%
282	16.822	16.781	16.855	VV	4890	139458	1.13%	0.025%
283	16.901	16.855	16.940	VV	5386	184146	1.49%	0.033%
284	16.975	16.940	16.993	VV	3398	88882	0.72%	0.016%
285	17.014	16.993	17.035	VV	2918	58763	0.48%	0.011%
286	17.064	17.035	17.088	VV	3996	93111	0.75%	0.017%
287	17.105	17.088	17.172	VV	2903	90635	0.73%	0.016%
288	17.293	17.172	17.328	VV	4393	260433	2.11%	0.047%
289	17.339	17.328	17.353	VV	2886	38908	0.32%	0.007%
290	17.367	17.353	17.388	VV	2914	53957	0.44%	0.010%
291	17.410	17.388	17.475	VV	3117	114041	0.92%	0.021%
292	17.528	17.475	17.563	VV	4109	146465	1.19%	0.026%
293	17.584	17.563	17.608	VV	5775	102647	0.83%	0.019%
294	17.623	17.608	17.635	VV	3029	42392	0.34%	0.008%
295	17.664	17.635	17.714	VV	3489	134523	1.09%	0.024%
296	17.760	17.714	17.791	VV	4548	167988	1.36%	0.030%
297	17.818	17.791	17.842	VV	6181	131680	1.07%	0.024%
298	17.881	17.842	17.931	VV	3590	155668	1.26%	0.028%
299	17.953	17.931	17.964	VV	3885	61622	0.50%	0.011%

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	17.988	17.964	18.015	VV	7912	144139	1.17%	0.026%
301	18.046	18.015	18.061	VV	3331	64798		
302	18.084	18.061	18.111	VV	3874	98367		
303	18.132	18.111	18.160	VV	4458	95246		
304	18.182	18.160	18.201	VV	2668	52075		
305	18.215	18.201	18.241	VV	2824	49434		
306	18.249	18.241	18.261	VV	1715	18584	0.15%	0.003%
307	18.305	18.261	18.320	VV	2209	66253	0.54%	0.012%
308	18.349	18.320	18.385	VV	5249	116226	0.94%	0.021%
309	18.414	18.385	18.438	VV	5276	110178	0.89%	0.020%
310	18.444	18.438	18.475	VV	3123	47370	0.38%	0.009%
311	18.503	18.475	18.515	VV	2516	44710	0.36%	0.008%
312	18.534	18.515	18.548	VV	1998	35105	0.28%	0.006%
313	18.602	18.548	18.667	VV	12237	320768	2.60%	0.058%
314	18.685	18.667	18.721	VV	2423	56764	0.46%	0.010%
315	18.800	18.721	18.818	VV	4181	132616	1.07%	0.024%
316	18.833	18.818	18.898	VV	4074	63648	0.52%	0.011%
317	18.931	18.898	18.948	PV	2383	46956	0.38%	0.008%
318	18.968	18.948	19.015	VV	14986	215325	1.74%	0.039%
319	19.022	19.015	19.028	VV	823	6283	0.05%	0.001%
320	19.035	19.028	19.070	VV	1113	19374	0.16%	0.003%
321	19.122	19.070	19.175	VV	2687	82662	0.67%	0.015%
322	19.241	19.175	19.301	PV	2739	67039	0.54%	0.012%
323	19.309	19.301	19.325	VV	640	5700	0.05%	0.001%
324	19.338	19.325	19.355	VV	506	3487	0.03%	0.001%
325	19.388	19.355	19.411	PV	4781	70393	0.57%	0.013%
326	19.435	19.411	19.468	VV	4956	79113	0.64%	0.014%
327	19.523	19.468	19.545	VV	1589	51660	0.42%	0.009%
328	19.565	19.545	19.586	VV	1582	29206	0.24%	0.005%
329	19.637	19.586	19.691	VV	3246	97905	0.79%	0.018%
330	19.714	19.691	19.746	VV	3467	50396	0.41%	0.009%
331	19.789	19.746	19.808	VV	2545	53449	0.43%	0.010%
332	19.834	19.808	19.875	VV	2036	57099	0.46%	0.010%
333	19.905	19.875	19.913	VV	1067	23500	0.19%	0.004%
334	19.930	19.913	19.947	VV	1397	23515	0.19%	0.004%
335	19.978	19.947	19.993	VV	1225	30327	0.25%	0.005%
336	20.024	19.993	20.074	VV	3863	123632	1.00%	0.022%
337	20.091	20.074	20.148	VV	3112	82317	0.67%	0.015%
338	20.183	20.148	20.201	VV	2881	64403	0.52%	0.012%
339	20.245	20.201	20.269	VV	2598	92324	0.75%	0.017%
340	20.296	20.269	20.325	VV	3108	90158	0.73%	0.016%
341	20.339	20.325	20.365	VV	3473	71950	0.58%	0.013%
342	20.403	20.365	20.468	VV	5059	250114	2.03%	0.045%
343	20.481	20.468	20.516	VV	4509	112050	0.91%	0.020%
344	20.650	20.516	20.661	VV	5287	383883	3.11%	0.069%
345	20.715	20.661	20.727	VV	6472	227123	1.84%	0.041%
346	20.758	20.727	20.788	VV	7329	238371	1.93%	0.043%
347	20.869	20.788	20.915	VV	7426	507782	4.11%	0.092%
348	20.964	20.915	20.996	VV	7518	346355	2.81%	0.062%
349	21.020	20.996	21.095	VV	7428	407898	3.30%	0.074%
350	21.146	21.095	21.236	VV	7699	567076	4.59%	0.102%
351	21.252	21.236	21.275	VV	6253	141363	1.14%	0.025%

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/10/2025

rteres

352	21.302	21.275	21.351	VV	6342	272428	2.21%	0.049%
353	21.390	21.351	21.485	VV	6048	422549	3	
354	21.567	21.485	21.615	VV	5159	354730	2	
355	21.672	21.615	21.725	VV	4222	262259	2	
356	21.778	21.725	21.811	VV	4242	198741	1	
357	21.826	21.811	21.856	VV	4043	100962	0	
358	21.908	21.856	22.025	VV	3650	295235	2.39%	0.053%
359	22.056	22.025	22.128	VV	2256	95656	0.77%	0.017%
360	22.200	22.128	22.242	VV	1093	50364	0.41%	0.009%

Sum of corrected areas: 554398504

Aliphatic EPH 020325.M Sat Feb 08 03:55:50 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-8-TPH-1	SDG No.:	Q1308
Lab Sample ID:	Q1308-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
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
FF015486.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	12.0		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	71.3	E	0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	126	E	1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	20.3		2.25	3.00	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.2		40 - 140	112%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	43.5		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	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:	Q1308-01	Acq On:	07 Feb 2025 11:37
Client Sample ID:	EX-8-TPH-1	Operator:	YP\AJ
Data file:	FF015486.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	22142336	160.31	200	ug/ml
Aromatic C12-C16	6.375	9.068	127369900	949.354	300	ug/ml
Aromatic C16-C21	9.069	13.385	207923978	1690	500	ug/ml
Aromatic C21-C36	13.386	18.838	31912975	270.962	800	ug/ml
Aromatic EPH	4.505	18.838	389349189	3070		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	4295193	32.57		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	6678602	56.19		ug/ml
2-Flurobiphenyl (SURR)	8.873	8.873	3300096	43.46		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015486.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:37
Operator : YP\AJ
Sample : Q1308-01
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:32:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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...	7.997	6678602	56.192 ug/mlm
Spiked Amount 50.000		Recovery = 112.38%	
6) S 2-Flurobiphenyl (SURR)	8.873	3300096	43.455 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 86.91%	
11) S ortho-Terphenyl (SURR)	11.936	4295193	32.568 ug/ml
Spiked Amount 50.000		Recovery = 65.14%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015486.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:37
Operator : YP\AJ
Sample : Q1308-01
Misc :
ALS Vial : 72 Sample Multiplier: 1

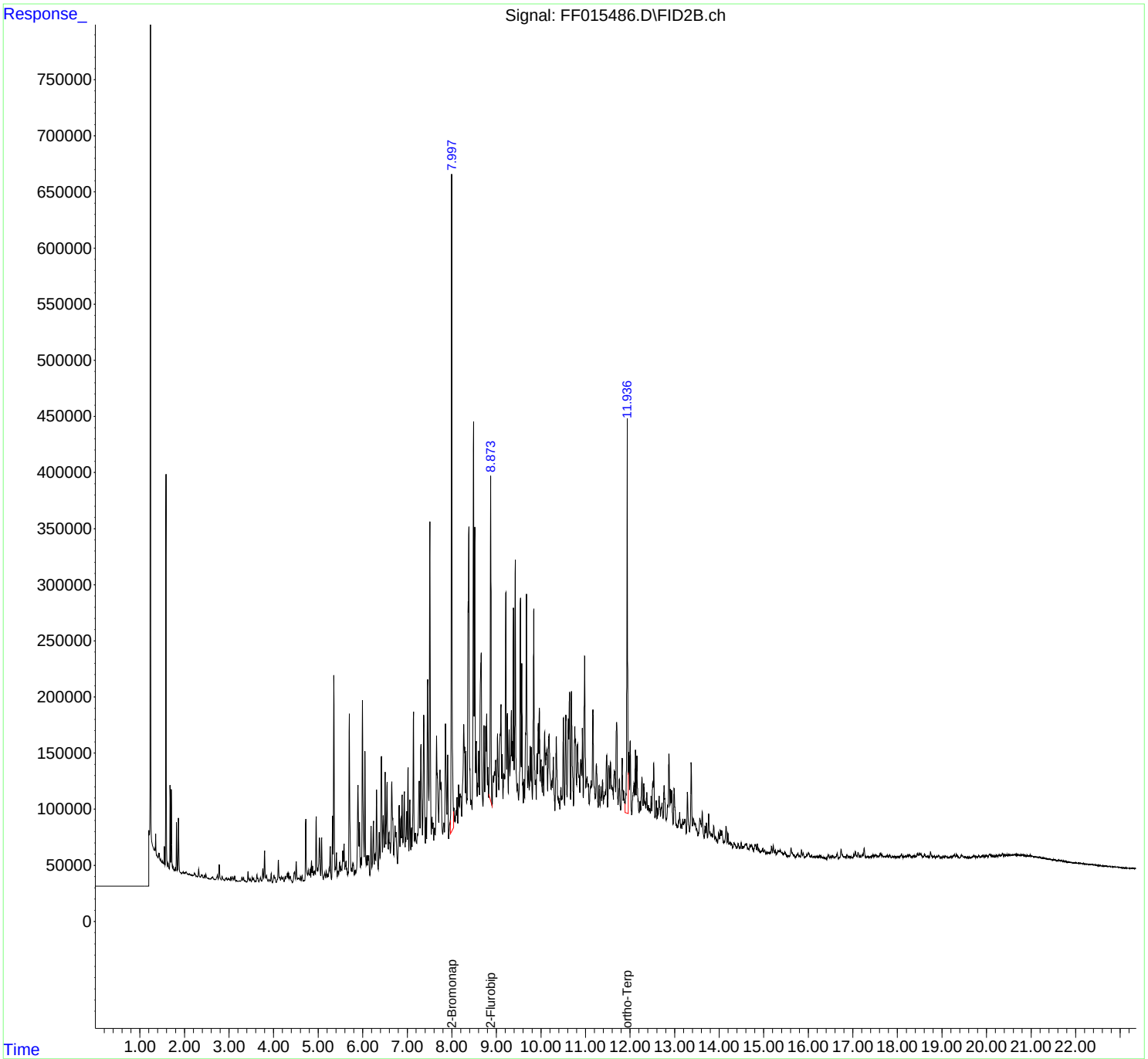
Integration File: autoint1.e
Quant Time: Feb 10 00:32:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

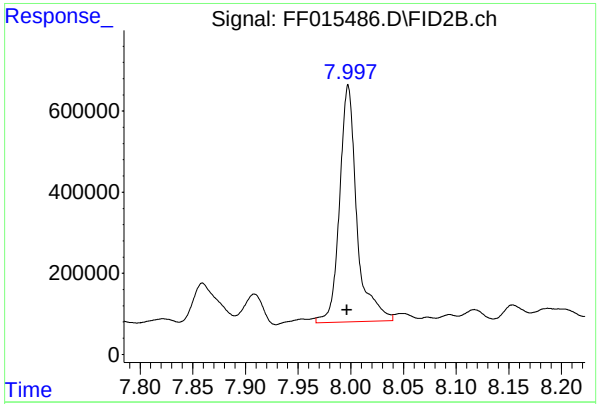
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





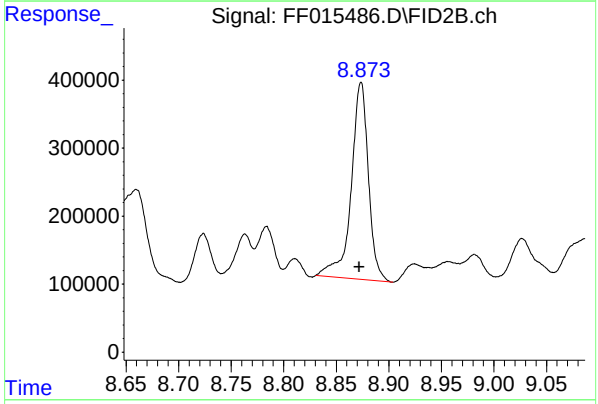
#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 6678602
Conc: 56.19 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1

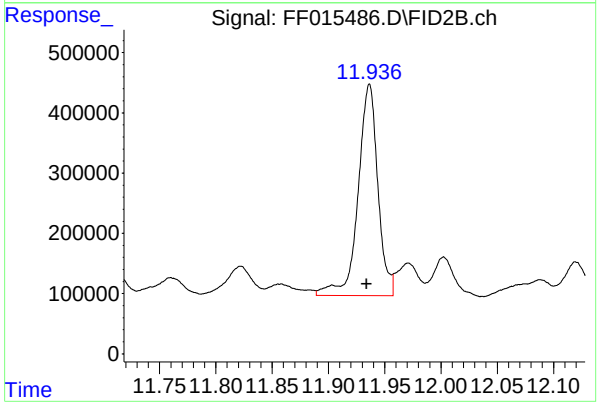
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: 0.002 min
Response: 3300096
Conc: 43.46 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: 0.002 min
Response: 4295193
Conc: 32.57 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015486.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:37
Sample : Q1308-01
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.463	4.401	4.469	BV	7211	54559	0.63%	0.014%
2	4.476	4.469	4.491	VV	7592	72605	0.84%	0.018%
3	4.508	4.491	4.536	VV	17151	207998	2.41%	0.053%
4	4.553	4.536	4.558	VV	2421	27845	0.32%	0.007%
5	4.567	4.558	4.590	VV	2661	37951	0.44%	0.010%
6	4.606	4.590	4.621	VV	3932	41493	0.48%	0.010%
7	4.639	4.621	4.665	VV	4809	62640	0.73%	0.016%
8	4.675	4.665	4.687	PV	486	4026	0.05%	0.001%
9	4.723	4.687	4.764	VV	55238	669424	7.76%	0.169%
10	4.780	4.764	4.806	VV	9586	170335	1.97%	0.043%
11	4.823	4.806	4.836	VV	10406	130495	1.51%	0.033%
12	4.852	4.836	4.865	VV	18136	190175	2.20%	0.048%
13	4.876	4.865	4.895	VV	13272	165286	1.92%	0.042%
14	4.911	4.895	4.921	VV	8518	109981	1.27%	0.028%
15	4.929	4.921	4.938	VV	8642	81419	0.94%	0.021%
16	4.956	4.938	4.977	VV	57122	642313	7.44%	0.162%
17	4.987	4.977	4.997	VV	11412	121345	1.41%	0.031%
18	5.031	4.997	5.058	VV	38112	699479	8.10%	0.177%
19	5.078	5.058	5.117	VV	38090	478893	5.55%	0.121%
20	5.147	5.117	5.166	VV	6318	118197	1.37%	0.030%
21	5.182	5.166	5.200	VV	8363	106069	1.23%	0.027%
22	5.212	5.200	5.226	VV	5344	63833	0.74%	0.016%
23	5.247	5.226	5.256	VV	10541	127791	1.48%	0.032%
24	5.272	5.256	5.300	VV	30045	357032	4.14%	0.090%
25	5.325	5.300	5.337	VV	57264	573255	6.64%	0.145%
26	5.354	5.337	5.380	VV	182390	1987591	23.03%	0.502%
27	5.411	5.380	5.429	VV	24305	377273	4.37%	0.095%
28	5.449	5.429	5.463	VV	7839	122174	1.42%	0.031%
29	5.483	5.463	5.499	VV	15674	236733	2.74%	0.060%
30	5.510	5.499	5.533	VV	11512	197326	2.29%	0.050%
31	5.554	5.533	5.567	VV	25770	353538	4.10%	0.089%
32	5.582	5.567	5.599	VV	31888	404727	4.69%	0.102%
33	5.625	5.599	5.661	VV	16365	392695	4.55%	0.099%
34	5.673	5.661	5.678	VV	6566	59614	0.69%	0.015%
35	5.700	5.678	5.741	VV	147373	1983486	22.98%	0.501%
36	5.751	5.741	5.762	VV	9593	104367	1.21%	0.026%

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/10/2025

rteres

37	5.780	5.762	5.786	VV	13970	159333	1.85%	0.040%
38	5.790	5.786	5.813	VV	13766	155324		
39	5.832	5.813	5.846	VV	8183	125294		
40	5.894	5.846	5.918	VV	83583	1515120		
41	5.929	5.918	5.949	VV	50391	583944		
42	5.964	5.949	5.976	VV	19095	249942		
43	5.995	5.976	6.035	VV	158949	2374386	27.51%	0.600%
44	6.052	6.035	6.080	VV	113357	1326480	15.37%	0.335%
45	6.094	6.080	6.106	VV	20828	245436	2.84%	0.062%
46	6.118	6.106	6.128	VV	20579	224347	2.60%	0.057%
47	6.137	6.128	6.162	VV	20546	254863	2.95%	0.064%
48	6.188	6.162	6.207	VV	46808	571420	6.62%	0.144%
49	6.242	6.207	6.260	VV	51297	828537	9.60%	0.209%
50	6.275	6.260	6.290	VV	21670	332094	3.85%	0.084%
51	6.313	6.290	6.349	VV	79252	1198120	13.88%	0.303%
52	6.371	6.349	6.390	VV	41077	590897	6.85%	0.149%
53	6.420	6.390	6.446	VV	108523	1996549	23.13%	0.504%
54	6.462	6.446	6.488	VV	55657	1004033	11.63%	0.254%
55	6.504	6.488	6.520	VV	94428	1101059	12.76%	0.278%
56	6.547	6.520	6.575	VV	84789	1629429	18.88%	0.412%
57	6.590	6.575	6.602	VV	40649	548633	6.36%	0.139%
58	6.607	6.602	6.623	VV	31747	345326	4.00%	0.087%
59	6.653	6.623	6.672	VV	85512	1560551	18.08%	0.394%
60	6.676	6.672	6.697	VV	53294	582311	6.75%	0.147%
61	6.728	6.697	6.739	VV	46405	873671	10.12%	0.221%
62	6.749	6.739	6.783	VV	40684	726250	8.42%	0.183%
63	6.820	6.783	6.837	VV	64426	1267810	14.69%	0.320%
64	6.857	6.837	6.869	VV	52894	797500	9.24%	0.202%
65	6.885	6.869	6.906	VV	73653	1108710	12.85%	0.280%
66	6.934	6.906	6.953	VV	76123	1379499	15.98%	0.349%
67	6.963	6.953	6.970	VV	33961	321266	3.72%	0.081%
68	6.988	6.970	7.002	VV	58733	874256	10.13%	0.221%
69	7.018	7.002	7.037	VV	97591	1229670	14.25%	0.311%
70	7.059	7.037	7.082	VV	68970	1155744	13.39%	0.292%
71	7.096	7.082	7.108	VV	43986	539733	6.25%	0.136%
72	7.140	7.108	7.164	VV	147204	2304316	26.70%	0.582%
73	7.183	7.164	7.211	VV	39025	964210	11.17%	0.244%
74	7.229	7.211	7.237	VV	38191	535252	6.20%	0.135%
75	7.268	7.237	7.288	VV	85182	1877549	21.76%	0.474%
76	7.307	7.288	7.343	VV	117853	2411667	27.94%	0.609%
77	7.372	7.343	7.407	VV	143953	3082810	35.72%	0.779%
78	7.421	7.407	7.434	VV	52756	686605	7.96%	0.173%
79	7.457	7.434	7.486	VV	175414	3224123	37.36%	0.815%
80	7.508	7.486	7.540	VV	315928	4741879	54.94%	1.198%
81	7.556	7.540	7.570	VV	52642	822415	9.53%	0.208%
82	7.580	7.570	7.596	VV	47539	650760	7.54%	0.164%
83	7.613	7.596	7.628	VV	42986	746272	8.65%	0.189%
84	7.659	7.628	7.672	VV	124720	2058471	23.85%	0.520%
85	7.677	7.672	7.707	VV	91681	1504545	17.43%	0.380%
86	7.735	7.707	7.750	VV	94399	1951409	22.61%	0.493%
87	7.762	7.750	7.797	VV	82964	1724775	19.99%	0.436%
88	7.822	7.797	7.837	VV	47231	1020627	11.83%	0.258%
89	7.859	7.837	7.890	VV	135416	2761390	32.00%	0.698%

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rteres

90	7.909	7.890	7.929	VV	107877	1709910	19.81%	0.432%
91	7.954	7.929	7.959	VV	46459	737814	8	
92	7.998	7.959	8.039	VV	623950	8630304	100	
93	8.049	8.039	8.066	VV	59666	874947	10	
94	8.073	8.066	8.081	VV	50863	444858	5	
95	8.094	8.081	8.102	VV	57069	682592	7	
96	8.117	8.102	8.136	VV	69510	1195674	13.85%	0.302%
97	8.154	8.136	8.171	VV	80843	1401587	16.24%	0.354%
98	8.187	8.171	8.222	VV	72445	2031533	23.54%	0.513%
99	8.269	8.222	8.285	VV	133948	3538358	41.00%	0.894%
100	8.291	8.285	8.305	VV	114018	1196361	13.86%	0.302%
101	8.317	8.305	8.332	VV	109971	1452604	16.83%	0.367%
102	8.340	8.332	8.345	VV	67920	511395	5.93%	0.129%
103	8.382	8.345	8.425	VV	310363	7522723	87.17%	1.901%
104	8.433	8.425	8.455	VV	65836	1147806	13.30%	0.290%
105	8.489	8.455	8.503	VV	404044	5785431	67.04%	1.462%
106	8.516	8.503	8.535	VV	310114	3836331	44.45%	0.969%
107	8.549	8.535	8.569	VV	118485	1989264	23.05%	0.503%
108	8.579	8.569	8.585	VV	81518	773513	8.96%	0.195%
109	8.602	8.585	8.621	VV	110229	1959184	22.70%	0.495%
110	8.660	8.621	8.701	VV	197270	6021128	69.77%	1.521%
111	8.723	8.701	8.741	VV	132896	2251539	26.09%	0.569%
112	8.763	8.741	8.772	VV	131679	1927413	22.33%	0.487%
113	8.784	8.772	8.800	VV	143090	1935190	22.42%	0.489%
114	8.810	8.800	8.827	VV	95220	1363787	15.80%	0.345%
115	8.874	8.827	8.904	VV	355661	6338486	73.44%	1.602%
116	8.924	8.904	8.940	VV	87562	1705265	19.76%	0.431%
117	8.957	8.940	8.967	VV	90724	1396525	16.18%	0.353%
118	8.981	8.967	9.002	VV	101318	1845649	21.39%	0.466%
119	9.027	9.002	9.057	VV	124482	3051654	35.36%	0.771%
120	9.088	9.057	9.092	VV	124171	2244791	26.01%	0.567%
121	9.104	9.092	9.122	VV	149949	2277364	26.39%	0.575%
122	9.133	9.122	9.150	VV	106428	1508747	17.48%	0.381%
123	9.165	9.150	9.177	VV	89167	1291513	14.96%	0.326%
124	9.183	9.177	9.191	VV	87383	725792	8.41%	0.183%
125	9.213	9.191	9.233	VV	250030	3994854	46.29%	1.009%
126	9.248	9.233	9.269	VV	142488	2361541	27.36%	0.597%
127	9.288	9.269	9.306	VV	128103	2262038	26.21%	0.572%
128	9.337	9.306	9.350	VV	144861	2993238	34.68%	0.756%
129	9.358	9.350	9.367	VV	117640	1107913	12.84%	0.280%
130	9.383	9.367	9.400	VV	235920	3132726	36.30%	0.792%
131	9.425	9.400	9.466	VV	278111	5379841	62.34%	1.359%
132	9.478	9.466	9.499	VV	78829	1489220	17.26%	0.376%
133	9.541	9.499	9.558	VV	244575	4525885	52.44%	1.144%
134	9.572	9.558	9.606	VV	186817	3164514	36.67%	0.800%
135	9.620	9.606	9.635	VV	83205	1270075	14.72%	0.321%
136	9.677	9.635	9.706	VV	248200	5631022	65.25%	1.423%
137	9.722	9.706	9.739	VV	94918	1677843	19.44%	0.424%
138	9.760	9.739	9.773	VV	112678	1852020	21.46%	0.468%
139	9.785	9.773	9.810	VV	111468	1966062	22.78%	0.497%
140	9.840	9.810	9.872	VV	234411	4804717	55.67%	1.214%
141	9.880	9.872	9.894	VV	81409	1023037	11.85%	0.258%

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142	9.912	9.894	9.925	VV	105505	1621930	18.79%	0.410%
143	9.941	9.925	9.952	VV	132735	1875457	21	
144	9.965	9.952	9.985	VV	146081	2248385	26	
145	10.003	9.985	10.027	VV	100528	2228097	25	
146	10.042	10.027	10.063	VV	94127	1738123	20	
147	10.085	10.063	10.105	VV	124648	2554269	29	
148	10.118	10.105	10.125	VV	105712	1252543	14.51%	0.316%
149	10.134	10.125	10.152	VV	109362	1537865	17.82%	0.389%
150	10.185	10.152	10.228	VV	122649	4471118	51.81%	1.130%
151	10.249	10.228	10.260	VV	81245	1498028	17.36%	0.378%
152	10.279	10.260	10.313	VV	101769	2499954	28.97%	0.632%
153	10.345	10.313	10.394	VV	120007	3952812	45.80%	0.999%
154	10.404	10.394	10.425	VV	65366	1157610	13.41%	0.292%
155	10.448	10.425	10.461	VV	74276	1433019	16.60%	0.362%
156	10.471	10.461	10.480	VV	66806	723591	8.38%	0.183%
157	10.505	10.480	10.534	VV	137035	2847125	32.99%	0.719%
158	10.558	10.534	10.585	VV	138961	2999194	34.75%	0.758%
159	10.615	10.585	10.626	VV	135524	2495764	28.92%	0.631%
160	10.642	10.626	10.667	VV	159630	2864897	33.20%	0.724%
161	10.686	10.667	10.732	VV	160029	3851023	44.62%	0.973%
162	10.760	10.732	10.800	VV	128242	3995446	46.30%	1.010%
163	10.823	10.800	10.872	VV	112418	3834407	44.43%	0.969%
164	10.894	10.872	10.913	VV	98805	2205550	25.56%	0.557%
165	10.932	10.913	10.950	VV	126843	2157934	25.00%	0.545%
166	10.981	10.950	11.008	VV	190991	4346305	50.36%	1.098%
167	11.023	11.008	11.029	VV	80596	991700	11.49%	0.251%
168	11.036	11.029	11.056	VV	83315	1278888	14.82%	0.323%
169	11.065	11.056	11.083	VV	77161	1153470	13.37%	0.291%
170	11.129	11.083	11.141	VV	79235	2484509	28.79%	0.628%
171	11.167	11.141	11.218	VV	142969	4165936	48.27%	1.053%
172	11.244	11.218	11.282	VV	94378	2890920	33.50%	0.730%
173	11.304	11.282	11.327	VV	75124	1730661	20.05%	0.437%
174	11.348	11.327	11.364	VV	73985	1487640	17.24%	0.376%
175	11.383	11.364	11.403	VV	80410	1616923	18.74%	0.409%
176	11.443	11.403	11.449	VV	69512	1825234	21.15%	0.461%
177	11.475	11.449	11.497	VV	101737	2311378	26.78%	0.584%
178	11.525	11.497	11.545	VV	92153	2321917	26.90%	0.587%
179	11.561	11.545	11.588	VV	94982	2128817	24.67%	0.538%
180	11.595	11.588	11.604	VV	73365	679698	7.88%	0.172%
181	11.610	11.604	11.624	VV	72727	839720	9.73%	0.212%
182	11.652	11.624	11.674	VV	87336	2358385	27.33%	0.596%
183	11.698	11.674	11.730	VV	130620	3278517	37.99%	0.828%
184	11.760	11.730	11.787	VV	79746	2253023	26.11%	0.569%
185	11.822	11.787	11.843	VV	98648	2464045	28.55%	0.623%
186	11.857	11.843	11.889	VV	68906	1731820	20.07%	0.438%
187	11.936	11.889	11.957	VV	400870	6303823	73.04%	1.593%
188	11.971	11.957	11.986	VV	103764	1613714	18.70%	0.408%
189	12.002	11.986	12.039	VV	113870	2373842	27.51%	0.600%
190	12.088	12.039	12.101	VV	76042	2395153	27.75%	0.605%
191	12.120	12.101	12.136	VV	105761	1804389	20.91%	0.456%
192	12.153	12.136	12.202	VV	100501	2785226	32.27%	0.704%
193	12.223	12.202	12.238	VV	59349	1212278	14.05%	0.306%
194	12.265	12.238	12.291	VV	80934	2090819	24.23%	0.528%

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195	12.309	12.291	12.326	VV	75476	1363771	15.80%	0.345%
196	12.339	12.326	12.355	VV	58931	991176	11	
197	12.373	12.355	12.396	VV	67451	1464466	16	
198	12.411	12.396	12.433	VV	55650	1159043	13	
199	12.443	12.433	12.455	VV	52967	692396	8	
200	12.471	12.455	12.486	VV	64081	1059627	12	
201	12.509	12.486	12.516	VV	76049	1201035	13.92%	0.303%
202	12.530	12.516	12.557	VV	93301	1706150	19.77%	0.431%
203	12.587	12.557	12.605	VV	60037	1461846	16.94%	0.369%
204	12.622	12.605	12.631	VV	52879	771772	8.94%	0.195%
205	12.651	12.631	12.683	VV	63632	1699112	19.69%	0.429%
206	12.716	12.683	12.741	VV	57397	1774639	20.56%	0.448%
207	12.762	12.741	12.804	VV	73127	2143450	24.84%	0.542%
208	12.872	12.804	12.893	VV	100808	3225659	37.38%	0.815%
209	12.909	12.893	12.922	VV	69613	1115011	12.92%	0.282%
210	12.935	12.922	12.965	VV	68138	1392768	16.14%	0.352%
211	12.988	12.965	13.030	VV	69988	2005451	23.24%	0.507%
212	13.037	13.030	13.056	VV	38132	570163	6.61%	0.144%
213	13.060	13.056	13.070	VV	36124	296017	3.43%	0.075%
214	13.114	13.070	13.134	VV	48678	1574055	18.24%	0.398%
215	13.148	13.134	13.161	VV	37512	595402	6.90%	0.150%
216	13.183	13.161	13.195	VV	42112	783264	9.08%	0.198%
217	13.211	13.195	13.215	VV	39494	458198	5.31%	0.116%
218	13.229	13.215	13.262	VV	41928	1080447	12.52%	0.273%
219	13.286	13.262	13.334	VV	66141	1868473	21.65%	0.472%
220	13.371	13.334	13.401	VV	92221	2126766	24.64%	0.537%
221	13.421	13.401	13.449	VV	42388	1131594	13.11%	0.286%
222	13.464	13.449	13.486	VV	38146	799617	9.27%	0.202%
223	13.493	13.486	13.521	VV	33785	654667	7.59%	0.165%
224	13.565	13.521	13.601	VV	42549	1702401	19.73%	0.430%
225	13.618	13.601	13.663	VV	48360	1317999	15.27%	0.333%
226	13.682	13.663	13.697	VV	35211	622152	7.21%	0.157%
227	13.712	13.697	13.737	VV	38277	763408	8.85%	0.193%
228	13.762	13.737	13.784	VV	46431	970019	11.24%	0.245%
229	13.794	13.784	13.820	VV	30024	609713	7.06%	0.154%
230	13.839	13.820	13.851	VV	28014	513866	5.95%	0.130%
231	13.876	13.851	13.902	VV	35409	889972	10.31%	0.225%
232	13.919	13.902	13.936	VV	25594	487951	5.65%	0.123%
233	13.948	13.936	13.963	VV	23106	359000	4.16%	0.091%
234	13.985	13.963	14.007	VV	29176	661569	7.67%	0.167%
235	14.025	14.007	14.040	VV	31309	546225	6.33%	0.138%
236	14.056	14.040	14.099	VV	30958	924871	10.72%	0.234%
237	14.109	14.099	14.115	VV	20481	190741	2.21%	0.048%
238	14.153	14.115	14.178	VV	34472	979980	11.36%	0.248%
239	14.195	14.178	14.216	VV	28138	528641	6.13%	0.134%
240	14.232	14.216	14.237	VV	19711	240840	2.79%	0.061%
241	14.244	14.237	14.248	VV	19750	133121	1.54%	0.034%
242	14.255	14.248	14.307	VV	19759	626060	7.25%	0.158%
243	14.333	14.307	14.400	VV	19301	950751	11.02%	0.240%
244	14.425	14.400	14.455	VV	18722	547340	6.34%	0.138%
245	14.468	14.455	14.474	VV	15412	164808	1.91%	0.042%
246	14.492	14.474	14.514	VV	19619	409253	4.74%	0.103%

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247	14.540	14.514	14.558	VV	15874	406884	4.71%	0.103%
248	14.587	14.558	14.602	VV	18311	451844	5	
249	14.614	14.602	14.669	VV	18434	609401	7	
250	14.689	14.669	14.706	VV	16593	336427	3	
251	14.719	14.706	14.769	VV	17316	570630	6	
252	14.819	14.769	14.839	VV	17151	623138	7	
253	14.858	14.839	14.875	VV	17776	318664	3.69%	0.081%
254	14.889	14.875	14.928	VV	13388	368851	4.27%	0.093%
255	14.947	14.928	14.957	VV	11400	194769	2.26%	0.049%
256	14.979	14.957	14.998	VV	13744	296822	3.44%	0.075%
257	15.019	14.998	15.042	VV	12310	284227	3.29%	0.072%
258	15.057	15.042	15.062	VV	9739	116636	1.35%	0.029%
259	15.066	15.062	15.074	VV	9330	64653	0.75%	0.016%
260	15.102	15.074	15.111	VV	9944	208725	2.42%	0.053%
261	15.128	15.111	15.142	VV	9728	179891	2.08%	0.045%
262	15.173	15.142	15.194	VV	15138	352156	4.08%	0.089%
263	15.212	15.194	15.244	VV	16056	369617	4.28%	0.093%
264	15.257	15.244	15.292	VV	10856	271949	3.15%	0.069%
265	15.323	15.292	15.355	VV	11193	377103	4.37%	0.095%
266	15.371	15.355	15.397	VV	11122	259566	3.01%	0.066%
267	15.413	15.397	15.434	VV	9458	192180	2.23%	0.049%
268	15.473	15.434	15.537	VV	9723	467354	5.42%	0.118%
269	15.558	15.537	15.580	VV	6198	148616	1.72%	0.038%
270	15.611	15.580	15.671	VV	13327	466711	5.41%	0.118%
271	15.681	15.671	15.711	VV	6623	137037	1.59%	0.035%
272	15.720	15.711	15.724	VV	5217	38426	0.45%	0.010%
273	15.765	15.724	15.784	VV	7733	233136	2.70%	0.059%
274	15.799	15.784	15.825	VV	6210	129974	1.51%	0.033%
275	15.846	15.825	15.869	VV	11024	208365	2.41%	0.053%
276	15.884	15.869	15.909	VV	8268	150856	1.75%	0.038%
277	15.913	15.909	15.918	VV	4223	24003	0.28%	0.006%
278	15.963	15.918	15.975	VV	6474	173623	2.01%	0.044%
279	16.013	15.975	16.042	VV	7818	259985	3.01%	0.066%
280	16.051	16.042	16.061	VV	4739	51436	0.60%	0.013%
281	16.074	16.061	16.097	VV	5879	105319	1.22%	0.027%
282	16.124	16.097	16.131	VV	4546	86462	1.00%	0.022%
283	16.142	16.131	16.157	VV	4682	69610	0.81%	0.018%
284	16.176	16.157	16.189	VV	4904	82783	0.96%	0.021%
285	16.200	16.189	16.204	VV	4332	37968	0.44%	0.010%
286	16.213	16.204	16.231	VV	4839	65374	0.76%	0.017%
287	16.248	16.231	16.262	VV	4921	84689	0.98%	0.021%
288	16.277	16.262	16.331	VV	5269	167948	1.95%	0.042%
289	16.346	16.331	16.368	VV	3534	69642	0.81%	0.018%
290	16.379	16.368	16.399	VV	3147	47699	0.55%	0.012%
291	16.447	16.399	16.472	VV	5472	161669	1.87%	0.041%
292	16.489	16.472	16.510	VV	4186	78243	0.91%	0.020%
293	16.549	16.510	16.574	VV	4762	153599	1.78%	0.039%
294	16.592	16.574	16.601	VV	3450	50049	0.58%	0.013%
295	16.622	16.601	16.627	VV	3860	54858	0.64%	0.014%
296	16.650	16.627	16.680	VV	6263	136770	1.58%	0.035%
297	16.695	16.680	16.706	VV	3082	42093	0.49%	0.011%
298	16.735	16.706	16.761	VV	10266	207729	2.41%	0.052%
299	16.767	16.761	16.795	VV	4765	83554	0.97%	0.021%

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300	16.801	16.795	16.846	VV	3449	94962	1.10%	0.024%
301	16.871	16.846	16.907	VV	4780	134113	1	
302	16.920	16.907	16.925	VV	3620	33970	0	
303	16.930	16.925	16.938	VV	3343	24765	0	
304	16.953	16.938	16.989	VV	3403	81618	0	
305	17.024	16.989	17.034	VV	4815	91211	1	
306	17.055	17.034	17.086	VV	7880	159070	1.84%	0.040%
307	17.115	17.086	17.151	VV	7116	167505	1.94%	0.042%
308	17.168	17.151	17.185	VV	3721	63629	0.74%	0.016%
309	17.221	17.185	17.228	VV	4568	99365	1.15%	0.025%
310	17.253	17.228	17.282	VV	10371	196722	2.28%	0.050%
311	17.287	17.282	17.304	VV	2496	29760	0.34%	0.008%
312	17.316	17.304	17.327	VV	2882	34225	0.40%	0.009%
313	17.339	17.327	17.359	VV	2819	48178	0.56%	0.012%
314	17.364	17.359	17.373	VV	2619	19843	0.23%	0.005%
315	17.395	17.373	17.412	VV	2782	56086	0.65%	0.014%
316	17.448	17.412	17.469	VV	3960	102585	1.19%	0.026%
317	17.477	17.469	17.493	VV	3386	42949	0.50%	0.011%
318	17.520	17.493	17.542	VV	4142	97993	1.14%	0.025%
319	17.548	17.542	17.575	VV	3266	54606	0.63%	0.014%
320	17.617	17.575	17.630	VV	5286	120702	1.40%	0.030%
321	17.647	17.630	17.667	VV	4328	79686	0.92%	0.020%
322	17.676	17.667	17.682	VV	2430	21304	0.25%	0.005%
323	17.699	17.682	17.724	VV	2511	55271	0.64%	0.014%
324	17.749	17.724	17.756	VV	2665	44661	0.52%	0.011%
325	17.778	17.756	17.802	VV	3248	67312	0.78%	0.017%
326	17.826	17.802	17.862	VV	3453	81874	0.95%	0.021%
327	17.888	17.862	17.902	VV	2176	39652	0.46%	0.010%
328	17.930	17.902	17.941	VV	1747	35320	0.41%	0.009%
329	17.949	17.941	17.960	VV	1586	15041	0.17%	0.004%
330	17.966	17.960	17.982	VV	1550	17117	0.20%	0.004%
331	18.007	17.982	18.024	VV	2091	37871	0.44%	0.010%
332	18.035	18.024	18.047	VV	1546	17805	0.21%	0.004%
333	18.061	18.047	18.067	VV	2196	21306	0.25%	0.005%
334	18.089	18.067	18.126	VV	4084	85411	0.99%	0.022%
335	18.134	18.126	18.144	VV	1468	14241	0.17%	0.004%
336	18.158	18.144	18.162	VV	1583	15459	0.18%	0.004%
337	18.176	18.162	18.190	VV	2302	27620	0.32%	0.007%
338	18.237	18.190	18.257	VV	2891	78265	0.91%	0.020%
339	18.277	18.257	18.314	VV	3232	62749	0.73%	0.016%
340	18.340	18.314	18.353	VV	1707	26738	0.31%	0.007%
341	18.372	18.353	18.380	VV	2061	23942	0.28%	0.006%
342	18.387	18.380	18.399	VV	1629	15628	0.18%	0.004%
343	18.401	18.399	18.417	VV	1647	11697	0.14%	0.003%
344	18.454	18.417	18.473	VV	4202	81690	0.95%	0.021%
345	18.491	18.473	18.510	VV	4153	72455	0.84%	0.018%
346	18.523	18.510	18.572	VV	3620	76091	0.88%	0.019%
347	18.577	18.572	18.581	VV	677	3201	0.04%	0.001%
348	18.606	18.581	18.637	VV	3368	55763	0.65%	0.014%
349	18.648	18.637	18.673	VV	957	15520	0.18%	0.004%
350	18.678	18.673	18.681	VV	753	2945	0.03%	0.001%
351	18.684	18.681	18.688	VV	672	2291	0.03%	0.001%

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1

rteres

352	18.692	18.688	18.708	VV	834	5384	0.06%	0.001%
353	18.742	18.708	18.792	VV	4878	80477		
354	18.796	18.792	18.801	VBA	319	11059		

Sum of corrected areas: 3957

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Aromatic EPH 020525.M Fri Feb 07 11:49:13 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-8-TPH-1DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
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
FE052296.D	20	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		64.9		8.56	22.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		217		5.41	15.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		120		6.76	22.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		11.0	J	18.0	30.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		40.6	U	40.6	45.1	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		1.48		40 - 140	59%	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:	Q1308-01DL	Acq On:	07 Feb 2025 18:56
Client Sample ID:	EX-8-TPH-1DL	Operator:	YP\AJ
Data file:	FE052296.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	4154943	43.198	300	ug/ml
Aliphatic C12-C16	7.236	10.639	15131855	144.506	200	ug/ml
Aliphatic C16-C21	10.640	13.984	9082387	80.359	300	ug/ml
Aliphatic C21-C28	13.985	17.628	838188	7.353	400	ug/ml
Aliphatic C28-C40	17.629	22.712	329104	3.595	600	ug/ml
Aliphatic EPH	3.679	22.712	29536477	279.01		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.715	13.715	146200	1.48		ug/ml
Aliphatic C9-C28	3.679	17.628	29207373	275.416	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052296.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 18:56
Operator : YP\AJ
Sample : Q1308-01DL 20X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-8-TPH-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.715	146200	1.481 ug/mlm
Spiked Amount 50.000		Recovery =	2.96%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052296.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 18:56
Operator : YP\AJ
Sample : Q1308-01DL 20X
Misc :
ALS Vial : 22 Sample Multiplier: 1

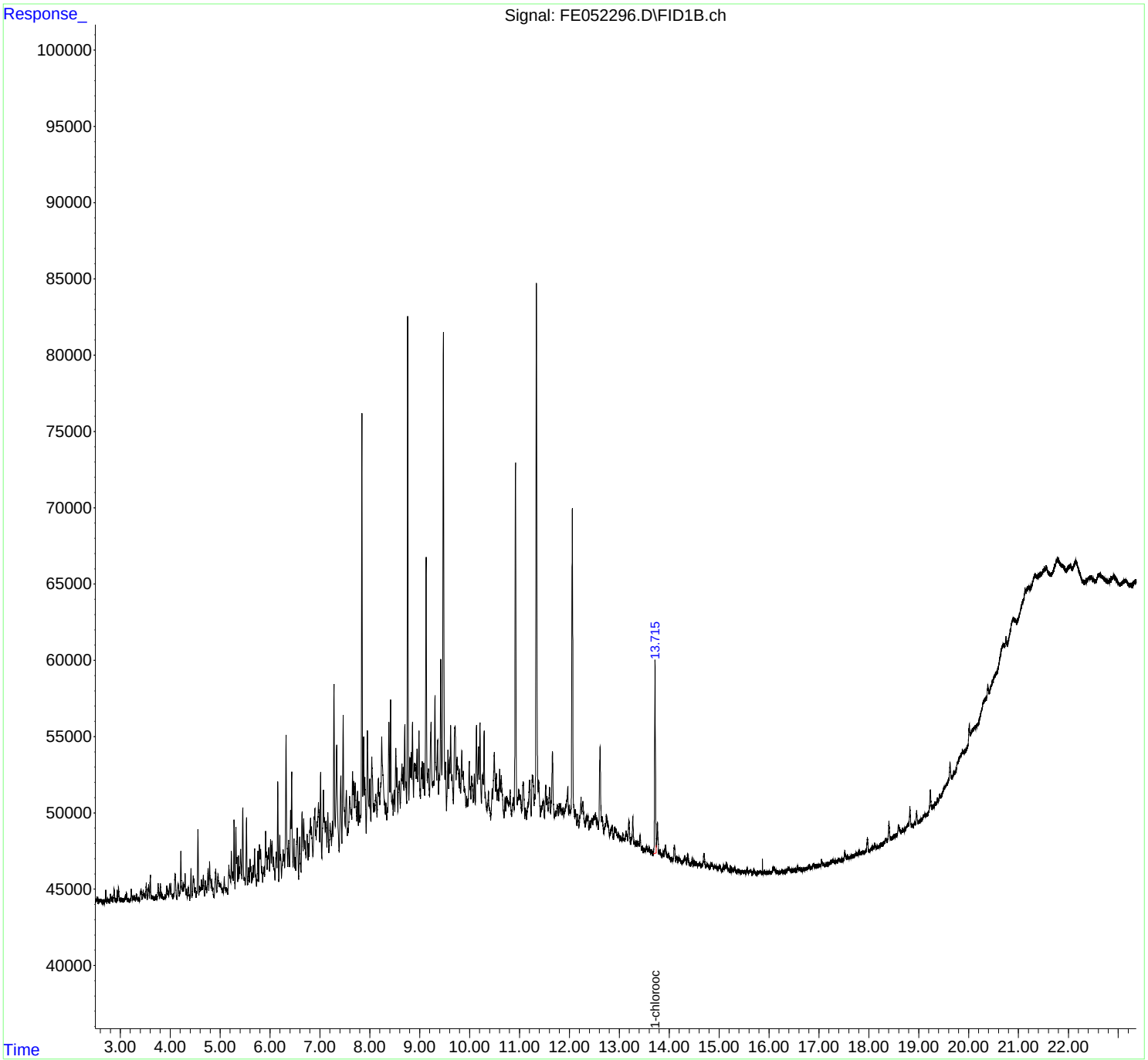
Integration File: autoint1.e
Quant Time: Feb 08 02:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

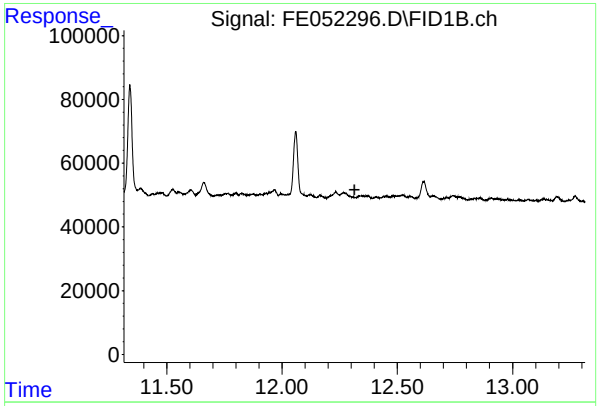
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





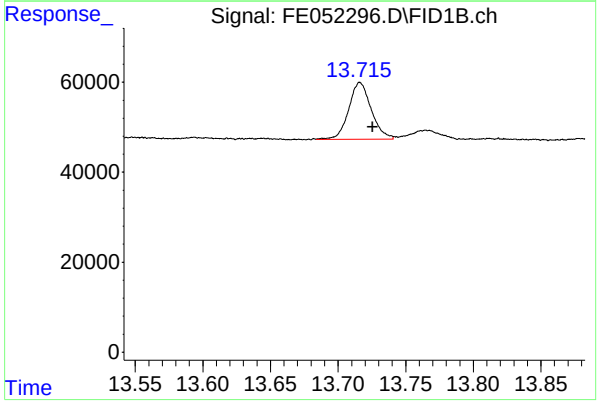
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1DL

Manual Integrations
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Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.715 min
Delta R.T.: -0.010 min
Response: 146200
Conc: 1.48 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052296.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 18:56
Sample : Q1308-01DL 20X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.205	3.262	PV	581	5358	0.84%	0.018%
2	3.282	3.262	3.304	PV	179	1745	0.27%	0.006%
3	3.322	3.304	3.356	PV	373	5261	0.83%	0.018%
4	3.368	3.356	3.384	VV	114	933	0.15%	0.003%
5	3.417	3.384	3.438	PV	637	11262	1.77%	0.038%
6	3.458	3.438	3.475	VV	528	7536	1.18%	0.025%
7	3.484	3.475	3.501	VV	376	4517	0.71%	0.015%
8	3.519	3.501	3.541	VV	1048	12126	1.90%	0.041%
9	3.568	3.541	3.583	VV	971	14062	2.21%	0.047%
10	3.601	3.583	3.638	VV	1569	18595	2.92%	0.063%
11	3.657	3.638	3.698	VV	201	3980	0.63%	0.013%
12	3.717	3.698	3.738	VV	225	3295	0.52%	0.011%
13	3.758	3.738	3.785	VV	978	13961	2.19%	0.047%
14	3.804	3.785	3.823	VV	1004	11033	1.73%	0.037%
15	3.835	3.823	3.877	VV	317	4767	0.75%	0.016%
16	3.896	3.877	3.909	VV	168	2405	0.38%	0.008%
17	3.931	3.909	3.949	VV	808	11059	1.74%	0.037%
18	3.959	3.949	3.971	VV	508	5139	0.81%	0.017%
19	3.986	3.971	3.998	VV	971	10026	1.57%	0.034%
20	4.011	3.998	4.055	VV	968	14119	2.22%	0.048%
21	4.098	4.055	4.135	VV	1622	29627	4.65%	0.100%
22	4.158	4.135	4.183	VV	958	15279	2.40%	0.052%
23	4.214	4.183	4.245	VV	3072	40841	6.42%	0.138%
24	4.258	4.245	4.269	VV	986	11002	1.73%	0.037%
25	4.299	4.269	4.316	VV	1558	24863	3.91%	0.084%
26	4.327	4.316	4.343	VV	638	6322	0.99%	0.021%
27	4.360	4.343	4.395	VV	689	10062	1.58%	0.034%
28	4.416	4.395	4.435	VV	1893	18411	2.89%	0.062%
29	4.463	4.435	4.519	VV	1407	35342	5.55%	0.119%
30	4.556	4.519	4.576	VV	4472	50484	7.93%	0.170%
31	4.591	4.576	4.605	VV	743	10080	1.58%	0.034%
32	4.627	4.605	4.645	VV	1102	19070	3.00%	0.064%
33	4.664	4.645	4.688	VV	1469	20856	3.28%	0.070%
34	4.707	4.688	4.732	VV	1010	16173	2.54%	0.055%
35	4.759	4.732	4.773	VV	1904	26632	4.18%	0.090%
36	4.790	4.773	4.820	VV	2246	36851	5.79%	0.124%

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

37	4.832	4.820	4.881	VV	1175	19297	3.03%	0.065%
38	4.912	4.881	4.933	PV	1862	29021	4	
39	4.957	4.933	5.004	VV	1477	39597	6	
40	5.015	5.004	5.042	VV	811	14762	2	
41	5.052	5.042	5.066	VV	528	6109	0	
42	5.083	5.066	5.115	VV	1300	20581	3	
43	5.126	5.115	5.155	VV	555	9566	1.50%	0.032%
44	5.176	5.155	5.210	VV	1941	41811	6.57%	0.141%
45	5.226	5.210	5.242	VV	2908	37143	5.83%	0.125%
46	5.252	5.242	5.263	VV	1582	18191	2.86%	0.061%
47	5.280	5.263	5.298	VV	4950	52758	8.29%	0.178%
48	5.317	5.298	5.354	VV	4516	79192	12.44%	0.267%
49	5.368	5.354	5.380	VV	2684	28914	4.54%	0.098%
50	5.411	5.380	5.435	VV	3057	65694	10.32%	0.222%
51	5.455	5.435	5.485	VV	5760	81606	12.82%	0.275%
52	5.490	5.485	5.505	VV	1165	12590	1.98%	0.043%
53	5.529	5.505	5.549	VV	5053	63834	10.03%	0.215%
54	5.571	5.549	5.587	VV	1836	29727	4.67%	0.100%
55	5.602	5.587	5.612	VV	2370	27013	4.24%	0.091%
56	5.617	5.612	5.632	VV	1894	17264	2.71%	0.058%
57	5.642	5.632	5.650	VV	1469	13675	2.15%	0.046%
58	5.663	5.650	5.674	VV	1993	22957	3.61%	0.077%
59	5.692	5.674	5.729	VV	3068	54945	8.63%	0.185%
60	5.758	5.729	5.773	VV	2913	45118	7.09%	0.152%
61	5.790	5.773	5.801	VV	3344	41386	6.50%	0.140%
62	5.813	5.801	5.853	VV	2999	63285	9.94%	0.214%
63	5.878	5.853	5.891	VV	1826	33897	5.32%	0.114%
64	5.913	5.891	5.926	VV	4228	58497	9.19%	0.197%
65	5.930	5.926	5.944	VV	2789	24940	3.92%	0.084%
66	5.975	5.944	5.991	VV	3053	69087	10.85%	0.233%
67	6.012	5.991	6.027	VV	3598	57756	9.07%	0.195%
68	6.042	6.027	6.059	VV	3530	54837	8.61%	0.185%
69	6.070	6.059	6.099	VV	2459	43975	6.91%	0.148%
70	6.127	6.099	6.141	VV	2831	54574	8.57%	0.184%
71	6.157	6.141	6.177	VV	7327	83294	13.08%	0.281%
72	6.195	6.177	6.231	VV	3871	75589	11.87%	0.255%
73	6.264	6.231	6.275	VV	2857	54682	8.59%	0.185%
74	6.283	6.275	6.295	VV	2657	27969	4.39%	0.094%
75	6.322	6.295	6.355	VV	10330	169932	26.69%	0.574%
76	6.371	6.355	6.391	VV	3458	56163	8.82%	0.190%
77	6.435	6.391	6.463	VV	7965	181161	28.46%	0.612%
78	6.481	6.463	6.495	VV	3601	50678	7.96%	0.171%
79	6.504	6.495	6.516	VV	2320	25387	3.99%	0.086%
80	6.546	6.516	6.574	VV	4323	101517	15.95%	0.343%
81	6.595	6.574	6.620	VV	3690	70032	11.00%	0.236%
82	6.643	6.620	6.662	VV	5247	91036	14.30%	0.307%
83	6.677	6.662	6.721	VV	4793	122034	19.17%	0.412%
84	6.746	6.721	6.764	VV	3882	79032	12.41%	0.267%
85	6.775	6.764	6.784	VV	3215	34240	5.38%	0.116%
86	6.812	6.784	6.860	VV	4872	172301	27.07%	0.582%
87	6.898	6.860	6.927	VV	5539	165764	26.04%	0.560%
88	6.971	6.927	6.996	VV	5863	195419	30.70%	0.660%
89	7.014	6.996	7.038	VV	7891	125786	19.76%	0.425%

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

90	7.072	7.038	7.106	VV	6685	187663	29.48%	0.634%
91	7.122	7.106	7.141	VV	4634	90215	14	
92	7.160	7.141	7.182	VV	5212	97099	15	
93	7.206	7.182	7.235	VV	4475	116652	18	
94	7.251	7.235	7.262	VV	4643	66227	10	
95	7.283	7.262	7.307	VV	13505	201637	31	
96	7.337	7.307	7.386	VV	9602	267107	41.96%	0.902%
97	7.419	7.386	7.441	VV	7606	165534	26.00%	0.559%
98	7.467	7.441	7.506	VV	11536	249815	39.24%	0.843%
99	7.531	7.506	7.567	VV	6619	181807	28.56%	0.614%
100	7.597	7.567	7.637	VV	6226	219571	34.49%	0.741%
101	7.656	7.637	7.668	VV	7793	120558	18.94%	0.407%
102	7.677	7.668	7.690	VV	7229	85524	13.43%	0.289%
103	7.709	7.690	7.740	VV	7040	179431	28.19%	0.606%
104	7.755	7.740	7.770	VV	6548	99866	15.69%	0.337%
105	7.783	7.770	7.798	VV	5852	85429	13.42%	0.288%
106	7.843	7.798	7.861	VV	31076	422933	66.44%	1.428%
107	7.877	7.861	7.892	VV	10126	151313	23.77%	0.511%
108	7.901	7.892	7.929	VV	7452	130806	20.55%	0.442%
109	7.953	7.929	7.984	VV	10458	234952	36.91%	0.793%
110	8.000	7.984	8.020	VV	7336	130329	20.47%	0.440%
111	8.042	8.020	8.073	VV	8719	216126	33.95%	0.730%
112	8.084	8.073	8.097	VV	5634	78684	12.36%	0.266%
113	8.120	8.097	8.145	VV	6278	162968	25.60%	0.550%
114	8.171	8.145	8.200	VV	7309	207280	32.56%	0.700%
115	8.241	8.200	8.311	VV	10034	471678	74.09%	1.592%
116	8.323	8.311	8.339	VV	5636	86503	13.59%	0.292%
117	8.384	8.339	8.403	VV	10917	273109	42.90%	0.922%
118	8.418	8.403	8.441	VV	12427	195950	30.78%	0.662%
119	8.453	8.441	8.468	VV	6045	92079	14.46%	0.311%
120	8.488	8.468	8.503	VV	6494	120994	19.01%	0.408%
121	8.523	8.503	8.538	VV	9192	158800	24.94%	0.536%
122	8.547	8.538	8.563	VV	7949	101830	16.00%	0.344%
123	8.592	8.563	8.611	VV	7080	185173	29.09%	0.625%
124	8.645	8.611	8.659	VV	8186	201381	31.63%	0.680%
125	8.671	8.659	8.683	VV	7909	106806	16.78%	0.361%
126	8.701	8.683	8.738	VV	10765	255073	40.07%	0.861%
127	8.761	8.738	8.785	VV	37348	467394	73.42%	1.578%
128	8.805	8.785	8.819	VV	8571	152675	23.98%	0.515%
129	8.831	8.819	8.841	VV	8888	109303	17.17%	0.369%
130	8.856	8.841	8.877	VV	10875	185483	29.14%	0.626%
131	8.893	8.877	8.900	VV	8181	103980	16.33%	0.351%
132	8.910	8.900	8.929	VV	8177	136288	21.41%	0.460%
133	8.947	8.929	8.964	VV	9034	165154	25.94%	0.558%
134	8.987	8.964	9.013	VV	10334	234594	36.85%	0.792%
135	9.053	9.013	9.068	VV	8293	238998	37.54%	0.807%
136	9.082	9.068	9.099	VV	8213	138471	21.75%	0.467%
137	9.129	9.099	9.155	VV	21585	384154	60.34%	1.297%
138	9.173	9.155	9.199	VV	7802	187881	29.51%	0.634%
139	9.226	9.199	9.258	VV	10718	292514	45.95%	0.987%
140	9.306	9.258	9.341	VV	12502	407864	64.07%	1.377%
141	9.359	9.341	9.379	VV	9656	187077	29.39%	0.632%

Instrument :
FID_E
ClientSampleId :
EX-8-TPH-1DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

142	9.424	9.379	9.444	VV	14970	356494	56.00%	1.203%
143	9.475	9.444	9.506	VV	36190	617154	96	
144	9.517	9.506	9.539	VV	8158	136055	21	
145	9.568	9.539	9.582	VV	8982	186240	29	
146	9.598	9.582	9.607	VV	8388	113327	17	
147	9.622	9.607	9.676	VV	10552	316752	49	
148	9.708	9.676	9.731	VV	10538	283116	44.47%	0.956%
149	9.748	9.731	9.789	VV	8446	270014	42.41%	0.912%
150	9.801	9.789	9.821	VV	7645	133332	20.94%	0.450%
151	9.844	9.821	9.864	VV	8863	193522	30.40%	0.653%
152	9.874	9.864	9.927	VV	7555	247755	38.92%	0.836%
153	9.940	9.927	9.951	VV	5861	79472	12.48%	0.268%
154	9.994	9.951	10.025	VV	8122	282682	44.40%	0.954%
155	10.042	10.025	10.076	VV	7179	196851	30.92%	0.665%
156	10.097	10.076	10.114	VV	7301	144228	22.66%	0.487%
157	10.139	10.114	10.159	VV	10496	217689	34.20%	0.735%
158	10.180	10.159	10.193	VV	9134	162359	25.50%	0.548%
159	10.210	10.193	10.238	VV	10683	212530	33.38%	0.717%
160	10.259	10.238	10.275	VV	7185	150517	23.64%	0.508%
161	10.293	10.275	10.347	VV	10081	286901	45.07%	0.969%
162	10.378	10.347	10.423	VV	6152	237168	37.25%	0.801%
163	10.453	10.423	10.465	VV	6217	137314	21.57%	0.464%
164	10.495	10.465	10.524	VV	8620	255710	40.17%	0.863%
165	10.536	10.524	10.552	VV	7257	113591	17.84%	0.383%
166	10.568	10.552	10.588	VV	6257	125605	19.73%	0.424%
167	10.604	10.588	10.618	VV	7549	120199	18.88%	0.406%
168	10.634	10.618	10.691	VV	7139	256175	40.24%	0.865%
169	10.710	10.691	10.724	VV	5629	103039	16.19%	0.348%
170	10.741	10.724	10.752	VV	5764	92549	14.54%	0.312%
171	10.759	10.752	10.793	VV	5632	132591	20.83%	0.448%
172	10.814	10.793	10.845	VV	6195	163749	25.72%	0.553%
173	10.877	10.845	10.891	VV	5690	146834	23.06%	0.496%
174	10.921	10.891	10.955	VV	27704	480216	75.43%	1.621%
175	10.987	10.955	11.041	VV	6109	291643	45.81%	0.985%
176	11.075	11.041	11.108	VV	6672	224209	35.22%	0.757%
177	11.122	11.108	11.145	VV	4883	102017	16.02%	0.344%
178	11.202	11.145	11.234	VV	6717	294390	46.24%	0.994%
179	11.256	11.234	11.293	VV	7078	218343	34.30%	0.737%
180	11.306	11.293	11.311	VV	5790	59872	9.40%	0.202%
181	11.341	11.311	11.374	VV	38884	636610	100.00%	2.149%
182	11.386	11.374	11.422	VV	6728	163622	25.70%	0.552%
183	11.478	11.422	11.499	VV	5378	231878	36.42%	0.783%
184	11.527	11.499	11.543	VV	6377	142212	22.34%	0.480%
185	11.553	11.543	11.576	VV	5635	106628	16.75%	0.360%
186	11.605	11.576	11.628	VV	6192	168011	26.39%	0.567%
187	11.661	11.628	11.701	VV	8504	264433	41.54%	0.893%
188	11.763	11.701	11.778	VV	5066	214944	33.76%	0.726%
189	11.799	11.778	11.812	VV	5137	100622	15.81%	0.340%
190	11.826	11.812	11.854	VV	5102	119448	18.76%	0.403%
191	11.874	11.854	11.891	VV	4849	105310	16.54%	0.356%
192	11.968	11.891	11.986	VV	6281	291433	45.78%	0.984%
193	11.996	11.986	12.021	VV	4988	101013	15.87%	0.341%
194	12.060	12.021	12.106	VV	24659	488522	76.74%	1.649%

Instrument :
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EX-8-TPH-1DL

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rteres

195	12.120	12.106	12.149	VV	4708	110085	17.29%	0.372%
196	12.166	12.149	12.190	VV	4452	100156	15	
197	12.233	12.190	12.249	VV	5504	160935	25	
198	12.269	12.249	12.321	VV	5209	192376	30	
199	12.350	12.321	12.360	VV	4300	94614	14	
200	12.373	12.360	12.393	VV	4291	78766	12	
201	12.408	12.393	12.424	VV	3956	70294	11.04%	0.237%
202	12.451	12.424	12.471	VV	4065	110001	17.28%	0.371%
203	12.523	12.471	12.543	VV	4485	179898	28.26%	0.607%
204	12.555	12.543	12.581	VV	4061	87099	13.68%	0.294%
205	12.615	12.581	12.644	VV	8748	214244	33.65%	0.723%
206	12.655	12.644	12.689	VV	4200	101950	16.01%	0.344%
207	12.742	12.689	12.804	VV	4279	250636	39.37%	0.846%
208	12.858	12.804	12.885	VV	3571	154984	24.35%	0.523%
209	12.908	12.885	12.920	VV	3426	69096	10.85%	0.233%
210	12.930	12.920	12.970	VV	3300	92732	14.57%	0.313%
211	12.980	12.970	13.013	VV	2971	73142	11.49%	0.247%
212	13.028	13.013	13.046	VV	2871	55661	8.74%	0.188%
213	13.069	13.046	13.115	VV	3038	112348	17.65%	0.379%
214	13.136	13.115	13.169	VV	3195	94945	14.91%	0.321%
215	13.193	13.169	13.228	VV	3864	107513	16.89%	0.363%
216	13.271	13.228	13.318	VV	4072	153937	24.18%	0.520%
217	13.338	13.318	13.351	VV	2488	47477	7.46%	0.160%
218	13.368	13.351	13.391	VV	2444	56337	8.85%	0.190%
219	13.417	13.391	13.451	VV	2911	85538	13.44%	0.289%
220	13.462	13.451	13.488	VV	2127	45201	7.10%	0.153%
221	13.496	13.488	13.508	VV	1977	22708	3.57%	0.077%
222	13.549	13.508	13.577	VV	2119	81918	12.87%	0.277%
223	13.594	13.577	13.625	VV	2091	54736	8.60%	0.185%
224	13.644	13.625	13.674	VV	1885	51306	8.06%	0.173%
225	13.716	13.674	13.744	VV	14194	217537	34.17%	0.734%
226	13.765	13.744	13.801	VV	3646	87064	13.68%	0.294%
227	13.812	13.801	13.858	VV	1827	55717	8.75%	0.188%
228	13.879	13.858	13.893	VV	1808	33456	5.26%	0.113%
229	13.926	13.893	13.970	VV	2184	79529	12.49%	0.268%
230	13.983	13.970	14.037	VV	1496	54313	8.53%	0.183%
231	14.054	14.037	14.071	VV	1350	26076	4.10%	0.088%
232	14.106	14.071	14.131	VV	2062	56311	8.85%	0.190%
233	14.151	14.131	14.180	VV	1372	36376	5.71%	0.123%
234	14.196	14.180	14.251	VV	1277	48625	7.64%	0.164%
235	14.313	14.251	14.347	VV	1373	63364	9.95%	0.214%
236	14.371	14.347	14.425	VV	1551	51643	8.11%	0.174%
237	14.459	14.425	14.478	VV	1211	30268	4.75%	0.102%
238	14.502	14.478	14.521	VV	1034	23449	3.68%	0.079%
239	14.526	14.521	14.534	VV	940	6918	1.09%	0.023%
240	14.548	14.534	14.568	VV	950	17412	2.74%	0.059%
241	14.607	14.568	14.638	VV	864	33478	5.26%	0.113%
242	14.649	14.638	14.662	VV	771	10525	1.65%	0.036%
243	14.697	14.662	14.731	VV	1454	42246	6.64%	0.143%
244	14.754	14.731	14.801	VV	826	29478	4.63%	0.100%
245	14.836	14.801	14.894	VV	784	37130	5.83%	0.125%
246	14.909	14.894	14.928	VV	675	12245	1.92%	0.041%

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247	14.938	14.928	14.978	VV	611	16680	2.62%	0.056%
248	15.018	14.978	15.055	VV	691	24244		
249	15.062	15.055	15.070	VV	436	3500		
250	15.093	15.070	15.128	VV	629	18348		
251	15.146	15.128	15.178	VV	793	18662		
252	15.189	15.178	15.209	VV	450	6803		
253	15.225	15.209	15.251	VV	513	8869	1.39%	0.030%
254	15.261	15.251	15.287	VV	411	8085	1.27%	0.027%
255	15.305	15.287	15.357	VV	508	13827	2.17%	0.047%
256	15.377	15.357	15.445	VV	378	13367	2.10%	0.045%
257	15.464	15.445	15.538	VV	297	11919	1.87%	0.040%
258	15.561	15.538	15.584	VV	416	7837	1.23%	0.026%
259	15.593	15.584	15.603	VV	212	2334	0.37%	0.008%
260	15.621	15.603	15.675	VV	277	7806	1.23%	0.026%
261	15.698	15.675	15.745	VV	351	6798	1.07%	0.023%
262	15.766	15.745	15.788	VV	172	2972	0.47%	0.010%
263	15.812	15.788	15.875	VV	180	6352	1.00%	0.021%
264	15.908	15.875	15.938	VV	193	3952	0.62%	0.013%
265	15.956	15.938	15.978	VV	133	2195	0.34%	0.007%
266	16.008	15.978	16.038	VV	138	3968	0.62%	0.013%
267	16.044	16.038	16.052	VV	105	629	0.10%	0.002%
268	16.077	16.052	16.091	VV	292	5176	0.81%	0.017%
269	16.106	16.091	16.158	VV	353	8699	1.37%	0.029%
270	16.167	16.158	16.175	VV	67	969	0.15%	0.003%
271	16.182	16.175	16.229	VV	130	2010	0.32%	0.007%
272	16.258	16.229	16.292	VV	235	4395	0.69%	0.015%
273	16.298	16.292	16.311	VV	148	1180	0.19%	0.004%
274	16.338	16.311	16.354	PV	176	3150	0.49%	0.011%
275	16.397	16.354	16.448	VV	325	11054	1.74%	0.037%
276	16.460	16.448	16.487	VV	167	2657	0.42%	0.009%
277	16.533	16.487	16.551	VV	165	4030	0.63%	0.014%
278	16.578	16.551	16.594	VV	360	5285	0.83%	0.018%
279	16.608	16.594	16.648	VV	233	4938	0.78%	0.017%
280	16.696	16.648	16.715	PV	120	2671	0.42%	0.009%
281	16.754	16.715	16.765	VV	127	2671	0.42%	0.009%
282	16.809	16.765	16.848	VV	220	5963	0.94%	0.020%
283	16.895	16.848	16.934	VV	292	8225	1.29%	0.028%
284	16.956	16.934	16.968	VV	181	2226	0.35%	0.008%
285	16.972	16.968	16.978	VV	125	678	0.11%	0.002%
286	17.055	16.978	17.089	VV	444	11666	1.83%	0.039%
287	17.100	17.089	17.119	VV	184	2055	0.32%	0.007%
288	17.168	17.119	17.193	PV	138	3469	0.54%	0.012%
289	17.205	17.193	17.217	VV	134	1497	0.24%	0.005%
290	17.280	17.217	17.325	VV	229	9075	1.43%	0.031%
291	17.335	17.325	17.358	VV	94	1446	0.23%	0.005%
292	17.402	17.358	17.484	VV	154	5328	0.84%	0.018%
293	17.491	17.484	17.498	VV	78	393	0.06%	0.001%
294	17.520	17.498	17.558	PV	556	9083	1.43%	0.031%
295	17.571	17.558	17.604	VV	292	3508	0.55%	0.012%
296	17.646	17.604	17.655	VV	120	1985	0.31%	0.007%
297	17.674	17.655	17.715	VV	149	1984	0.31%	0.007%
298	17.748	17.715	17.775	VV	223	4660	0.73%	0.016%
299	17.806	17.775	17.825	VV	257	5157	0.81%	0.017%

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rteres

300	17.888	17.825	17.915	VV	150	4855	0.76%	0.016%
301	17.972	17.915	18.005	VV	907	16814	2	
302	18.119	18.005	18.149	PV	284	11005	1	
303	18.205	18.149	18.214	VV	108	1745	0	
304	18.243	18.214	18.254	VV	138	1830	0	
305	18.275	18.254	18.286	VV	124	1516	0	
306	18.298	18.286	18.307	PV	163	1371	0.22%	0.005%
307	18.338	18.307	18.368	VV	302	6586	1.03%	0.022%
308	18.403	18.368	18.468	VV	1287	22498	3.53%	0.076%
309	18.489	18.468	18.498	VV	182	2083	0.33%	0.007%
310	18.515	18.498	18.526	VV	195	2359	0.37%	0.008%
311	18.592	18.526	18.648	VV	690	19214	3.02%	0.065%
312	18.824	18.648	18.854	VV	1296	38190	6.00%	0.129%
313	18.865	18.854	18.891	VV	112	1625	0.26%	0.005%
314	18.922	18.891	18.932	PV	189	2801	0.44%	0.009%
315	18.957	18.932	19.009	VV	867	13428	2.11%	0.045%
316	19.092	19.009	19.100	PV	212	2975	0.47%	0.010%
317	19.122	19.100	19.142	VV	139	2360	0.37%	0.008%
318	19.233	19.142	19.259	PV	1362	20928	3.29%	0.071%
319	19.329	19.259	19.340	VV	60	3377	0.53%	0.011%
320	19.376	19.340	19.395	PV	265	3166	0.50%	0.011%
321	19.422	19.395	19.443	PV	280	3628	0.57%	0.012%
322	19.628	19.443	19.667	VV	1374	49523	7.78%	0.167%
323	20.014	19.945	20.038	VV	2004	60567	9.51%	0.204%
324	20.056	20.038	20.065	VV	1357	20874	3.28%	0.070%

Sum of corrected areas: 29621852

Aliphatic EPH 020325.M Mon Feb 10 01:51:30 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-8-TPH-1DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
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
FF015497.D	5	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	11.7		1.69	3.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	64.3		1.91	5.63	mg/kg
Aromatic C16-C21	Aromatic C16-C21	128		5.41	9.39	mg/kg
Aromatic C21-C36	Aromatic C21-C36	16.9		11.3	15.0	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	9.92		40 - 140	99%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	6.48		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.76		40 - 140	58%	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:	Q1308-01DL	Acq On:	07 Feb 2025 18:15
Client Sample ID:	EX-8-TPH-1DL	Operator:	YP\AJ
Data file:	FF015497.D	Misc:	
Instrument:	FID_F	ALS Vial:	81
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	4314397	31.236	200	ug/ml
Aromatic C12-C16	6.375	9.068	22959151	171.126	300	ug/ml
Aromatic C16-C21	9.069	13.385	42193272	342.476	500	ug/ml
Aromatic C21-C36	13.386	18.838	5290579	44.921	800	ug/ml
Aromatic EPH	4.505	18.838	74757399	589.759		ug/ml
2-Bromonaphthalene (SURR)	7.995	7.995	1179040	9.92		ug/ml
2-Flurobiphenyl (SURR)	8.871	8.871	492193	6.48		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	760136	5.76		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015497.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:15
Operator : YP\AJ
Sample : Q1308-01DL 5X
Misc :
ALS Vial : 81 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:37:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-8-TPH-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.995	1179040	9.920 ug/mlm
Spiked Amount 50.000		Recovery =	19.84%
6) S 2-Flurobiphenyl (SURR)	8.871	492193	6.481 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	12.96%
11) S ortho-Terphenyl (SURR)	11.931	760136	5.764 ug/mlm
Spiked Amount 50.000		Recovery =	11.53%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015497.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:15
Operator : YP\AJ
Sample : Q1308-01DL 5X
Misc :
ALS Vial : 81 Sample Multiplier: 1

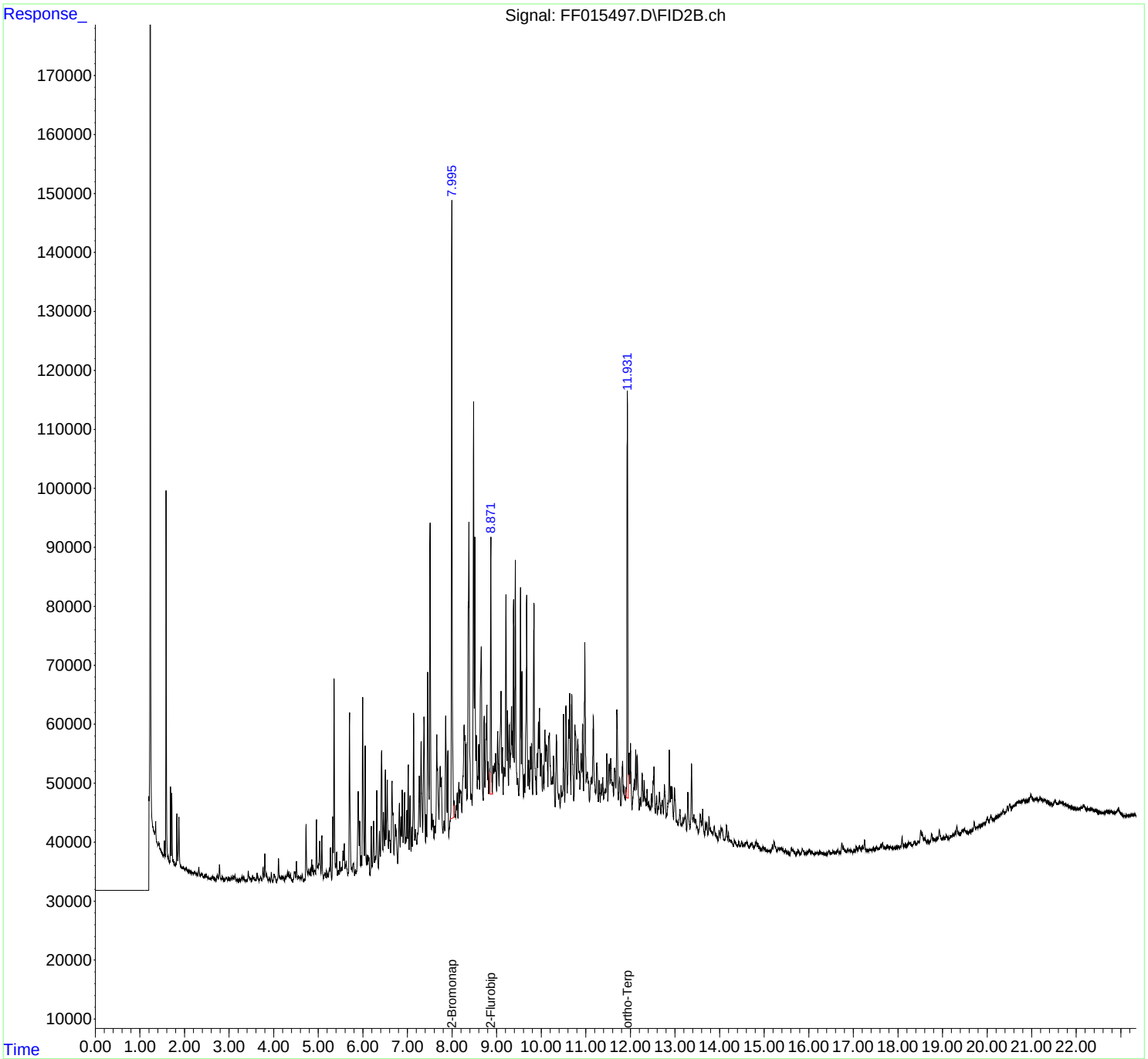
Integration File: autoint1.e
Quant Time: Feb 10 00:37:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

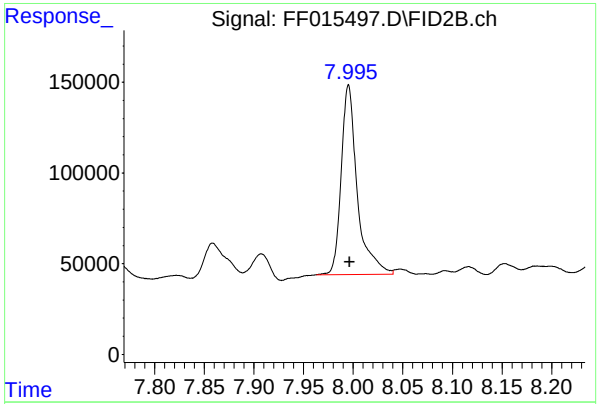
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1DL

Manual Integrations APPROVED

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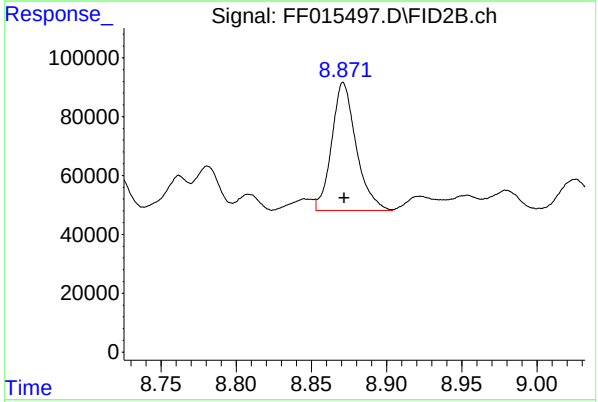
#4 2-Bromonaphthalene (SURR)

R.T.: 7.995 min
Delta R.T.: -0.001 mi
Response: 1179040
Conc: 9.92 ug/m

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1DL

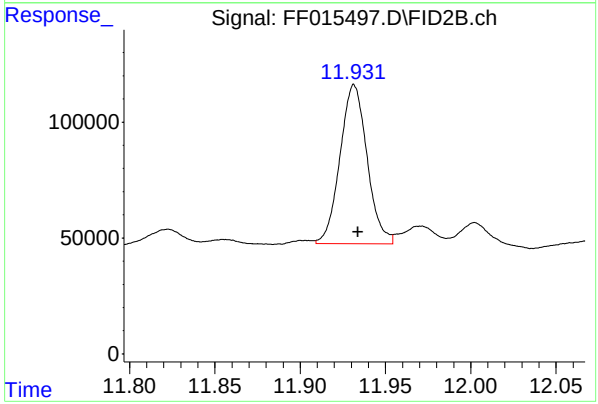
Manual Integrations
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Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: -0.001 min
Response: 492193
Conc: 6.48 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.003 min
Response: 760136
Conc: 5.76 ug/ml m

Instrument :
FID_F
ClientSampleId :
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rteres

Area Percent Report

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Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015497.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:15
Sample : Q1308-01DL 5X
Misc :
ALS Vial : 81 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.463	4.400	4.471	BH	1364	10553	0.58%	0.014%
2	4.479	4.471	4.494	HH	1307	13021	0.72%	0.017%
3	4.510	4.494	4.538	HH	3113	38800	2.13%	0.050%
4	4.552	4.538	4.590	HH	468	10324	0.57%	0.013%
5	4.606	4.590	4.622	HH	582	5789	0.32%	0.007%
6	4.640	4.622	4.666	PH	869	9008	0.50%	0.012%
7	4.725	4.703	4.767	PH	9352	118100	6.49%	0.152%
8	4.782	4.767	4.807	HH	1743	30167	1.66%	0.039%
9	4.825	4.807	4.837	HH	1836	21987	1.21%	0.028%
10	4.853	4.837	4.866	HH	3374	35218	1.94%	0.045%
11	4.877	4.866	4.897	HH	2458	31597	1.74%	0.041%
12	4.911	4.897	4.922	HH	1584	20017	1.10%	0.026%
13	4.928	4.922	4.942	HH	1598	16016	0.88%	0.021%
14	4.959	4.942	4.979	HH	10168	115679	6.36%	0.149%
15	4.987	4.979	4.998	HH	2460	25642	1.41%	0.033%
16	5.032	4.998	5.060	HH	6528	129603	7.12%	0.167%
17	5.080	5.060	5.117	HH	7442	94845	5.21%	0.122%
18	5.150	5.117	5.169	HH	1151	22191	1.22%	0.029%
19	5.183	5.169	5.200	HH	1568	18626	1.02%	0.024%
20	5.213	5.200	5.227	HH	1003	11264	0.62%	0.015%
21	5.248	5.227	5.258	HH	1835	22968	1.26%	0.030%
22	5.274	5.258	5.302	HH	5483	64680	3.56%	0.083%
23	5.327	5.302	5.339	HH	10676	109404	6.01%	0.141%
24	5.355	5.339	5.383	HH	34066	382146	21.01%	0.492%
25	5.391	5.383	5.397	HH	2458	19551	1.07%	0.025%
26	5.412	5.397	5.430	HH	4714	56732	3.12%	0.073%
27	5.450	5.430	5.464	HH	1536	24431	1.34%	0.031%
28	5.483	5.464	5.500	HH	3090	45841	2.52%	0.059%
29	5.512	5.500	5.521	HH	1984	22435	1.23%	0.029%
30	5.527	5.521	5.531	HH	1715	10148	0.56%	0.013%
31	5.555	5.531	5.568	HH	4871	71748	3.94%	0.092%
32	5.583	5.568	5.600	HH	6122	78834	4.33%	0.102%
33	5.627	5.600	5.661	HH	3141	76286	4.19%	0.098%
34	5.674	5.661	5.680	HH	1192	11722	0.64%	0.015%
35	5.701	5.680	5.742	HH	28266	391052	21.50%	0.504%
36	5.751	5.742	5.763	HH	2024	22232	1.22%	0.029%

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rteres

Manual IntegrationsAPPROVED

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37	5.782	5.763	5.814	HH	2728	61660	3.39%	0.079%
38	5.832	5.814	5.847	HH	1685	24322	1	
39	5.896	5.847	5.920	HH	14950	296183	16	
40	5.931	5.920	5.950	HH	9906	114842	6	
41	5.965	5.950	5.977	HH	4041	52390	2	
42	5.997	5.977	6.036	HH	30891	470732	25	
43	6.053	6.036	6.082	HH	22716	268405	14.75%	0.346%
44	6.094	6.082	6.106	HH	4219	49090	2.70%	0.063%
45	6.118	6.106	6.128	HH	4086	46071	2.53%	0.059%
46	6.137	6.128	6.162	HH	3757	48725	2.68%	0.063%
47	6.189	6.162	6.208	HH	9016	116092	6.38%	0.150%
48	6.242	6.208	6.261	HH	9937	168101	9.24%	0.217%
49	6.277	6.261	6.291	HH	3890	64345	3.54%	0.083%
50	6.314	6.291	6.349	HH	15107	243197	13.37%	0.313%
51	6.372	6.349	6.391	HH	8228	125159	6.88%	0.161%
52	6.421	6.391	6.447	HH	21841	403604	22.19%	0.520%
53	6.462	6.447	6.488	HH	11358	205135	11.28%	0.264%
54	6.505	6.488	6.521	HH	18522	225101	12.37%	0.290%
55	6.547	6.521	6.574	HH	16853	330130	18.15%	0.425%
56	6.591	6.574	6.623	HH	8245	189189	10.40%	0.244%
57	6.654	6.623	6.697	HH	16687	434651	23.89%	0.560%
58	6.729	6.697	6.740	HH	9388	180050	9.90%	0.232%
59	6.750	6.740	6.782	HH	8275	148998	8.19%	0.192%
60	6.820	6.782	6.838	HH	13016	259761	14.28%	0.335%
61	6.857	6.838	6.869	HH	10719	160318	8.81%	0.207%
62	6.885	6.869	6.904	HH	15237	218971	12.04%	0.282%
63	6.935	6.904	6.953	HH	14788	286057	15.72%	0.368%
64	6.962	6.953	6.969	HH	7130	66128	3.64%	0.085%
65	6.988	6.969	7.002	HH	11815	181829	10.00%	0.234%
66	7.018	7.002	7.038	HH	19443	249494	13.71%	0.321%
67	7.059	7.038	7.082	HH	14172	237356	13.05%	0.306%
68	7.096	7.082	7.108	HH	8899	109817	6.04%	0.141%
69	7.141	7.108	7.167	HH	28252	472224	25.96%	0.608%
70	7.183	7.167	7.212	HH	8531	195276	10.73%	0.252%
71	7.232	7.212	7.237	HH	7966	107538	5.91%	0.139%
72	7.267	7.237	7.288	HH	17539	383815	21.10%	0.494%
73	7.307	7.288	7.343	HH	23370	493114	27.11%	0.635%
74	7.373	7.343	7.406	HH	27600	617299	33.93%	0.795%
75	7.421	7.406	7.434	HH	11046	144766	7.96%	0.186%
76	7.455	7.434	7.488	HH	35167	682335	37.51%	0.879%
77	7.508	7.488	7.540	HV	60446	920032	50.57%	1.185%
78	7.555	7.540	7.569	VV	11137	171821	9.45%	0.221%
79	7.580	7.569	7.595	VV	10027	139532	7.67%	0.180%
80	7.613	7.595	7.627	VV	9041	157287	8.65%	0.203%
81	7.659	7.627	7.672	VV	24486	419073	23.04%	0.540%
82	7.678	7.672	7.707	VV	18681	308700	16.97%	0.398%
83	7.735	7.707	7.749	VV	19157	394938	21.71%	0.509%
84	7.761	7.749	7.798	VV	17049	365294	20.08%	0.471%
85	7.822	7.798	7.836	VV	9828	206717	11.36%	0.266%
86	7.858	7.836	7.889	VV	27611	559125	30.74%	0.720%
87	7.908	7.889	7.928	VV	21623	349096	19.19%	0.450%
88	7.995	7.928	8.038	VV	114797	1819155	100.00%	2.343%
89	8.047	8.038	8.064	VV	13138	185058	10.17%	0.238%

Instrument :
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EX-8-TPH-1DL

rteres

90	8.073	8.064	8.080	VV	10657	99443	5.47%	0.128%
91	8.093	8.080	8.101	VV	12245	149021	8	
92	8.116	8.101	8.134	VV	14493	249187	13	
93	8.153	8.134	8.170	VV	16151	292051	16	
94	8.185	8.170	8.194	VV	14767	203715	11	
95	8.199	8.194	8.221	VV	14687	215678	11	
96	8.271	8.221	8.282	VV	25848	683999	37.60%	0.881%
97	8.288	8.282	8.303	VV	24118	259337	14.26%	0.334%
98	8.315	8.303	8.331	VV	22531	300963	16.54%	0.388%
99	8.339	8.331	8.345	VV	13984	119010	6.54%	0.153%
100	8.380	8.345	8.422	VV	60219	1465643	80.57%	1.888%
101	8.435	8.422	8.452	VV	13997	236309	12.99%	0.304%
102	8.485	8.452	8.500	VV	80667	1138181	62.57%	1.466%
103	8.513	8.500	8.534	VV	57446	775197	42.61%	0.999%
104	8.547	8.534	8.567	VV	23893	406060	22.32%	0.523%
105	8.577	8.567	8.583	VV	16944	158839	8.73%	0.205%
106	8.599	8.583	8.618	VV	22459	403692	22.19%	0.520%
107	8.657	8.618	8.700	VV	38851	1216612	66.88%	1.567%
108	8.721	8.700	8.739	VV	27202	454431	24.98%	0.585%
109	8.762	8.739	8.770	VV	25853	380774	20.93%	0.490%
110	8.781	8.770	8.798	VV	28984	398272	21.89%	0.513%
111	8.808	8.798	8.824	VV	19342	275193	15.13%	0.354%
112	8.846	8.824	8.852	VV	17816	264807	14.56%	0.341%
113	8.871	8.852	8.904	VV	57104	929801	51.11%	1.198%
114	8.922	8.904	8.937	VV	18620	341219	18.76%	0.440%
115	8.954	8.937	8.963	VV	19025	287138	15.78%	0.370%
116	8.979	8.963	9.000	VV	20700	398790	21.92%	0.514%
117	9.026	9.000	9.055	VV	24336	625961	34.41%	0.806%
118	9.101	9.055	9.120	VV	31176	903128	49.65%	1.163%
119	9.132	9.120	9.148	VV	21604	310175	17.05%	0.400%
120	9.164	9.148	9.189	VV	18135	416919	22.92%	0.537%
121	9.211	9.189	9.232	VV	47504	787178	43.27%	1.014%
122	9.246	9.232	9.267	VV	27798	464930	25.56%	0.599%
123	9.286	9.267	9.303	VV	25297	453916	24.95%	0.585%
124	9.335	9.303	9.347	VV	28450	593204	32.61%	0.764%
125	9.355	9.347	9.364	VV	24001	232134	12.76%	0.299%
126	9.380	9.364	9.398	VV	46533	622571	34.22%	0.802%
127	9.422	9.398	9.465	VV	53175	1096555	60.28%	1.412%
128	9.476	9.465	9.498	VV	16175	290689	15.98%	0.374%
129	9.538	9.498	9.555	VV	48598	892835	49.08%	1.150%
130	9.569	9.555	9.604	VV	34375	633095	34.80%	0.815%
131	9.617	9.604	9.633	VV	16764	268913	14.78%	0.346%
132	9.674	9.633	9.704	VV	47230	1109216	60.97%	1.429%
133	9.720	9.704	9.738	VV	19211	339167	18.64%	0.437%
134	9.759	9.738	9.771	VV	21486	359767	19.78%	0.463%
135	9.783	9.771	9.809	VV	21886	406127	22.33%	0.523%
136	9.837	9.809	9.892	VV	45752	1149460	63.19%	1.481%
137	9.911	9.892	9.924	VV	20220	332194	18.26%	0.428%
138	9.939	9.924	9.950	VV	25612	357266	19.64%	0.460%
139	9.963	9.950	9.983	VV	27836	446586	24.55%	0.575%
140	10.001	9.983	10.027	VV	20209	457064	25.13%	0.589%
141	10.044	10.027	10.061	VV	18042	330086	18.15%	0.425%

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142	10.085	10.061	10.103	VV	24008	511456	28.12%	0.659%
143	10.116	10.103	10.127	VV	21513	287457	15	
144	10.132	10.127	10.151	VV	21325	271174	14	
145	10.184	10.151	10.230	VV	23506	909766	50	
146	10.248	10.230	10.259	VV	16083	267927	14	
147	10.277	10.259	10.313	VV	19622	506057	27	
148	10.343	10.313	10.391	VV	23212	768950	42.27%	0.990%
149	10.402	10.391	10.425	VV	13149	246667	13.56%	0.318%
150	10.447	10.425	10.460	VV	14563	276531	15.20%	0.356%
151	10.471	10.460	10.480	VV	13282	152704	8.39%	0.197%
152	10.503	10.480	10.530	VV	26635	530725	29.17%	0.684%
153	10.556	10.530	10.582	VV	28012	604052	33.21%	0.778%
154	10.612	10.582	10.624	VV	25594	496171	27.27%	0.639%
155	10.639	10.624	10.665	VV	29978	563380	30.97%	0.726%
156	10.685	10.665	10.729	VV	29914	747119	41.07%	0.962%
157	10.758	10.729	10.797	VV	24672	791202	43.49%	1.019%
158	10.821	10.797	10.846	VV	22237	540961	29.74%	0.697%
159	10.851	10.846	10.869	VV	16738	219131	12.05%	0.282%
160	10.894	10.869	10.912	VV	19786	454876	25.00%	0.586%
161	10.930	10.912	10.950	VV	24661	438508	24.11%	0.565%
162	10.979	10.950	11.007	VV	38443	836449	45.98%	1.077%
163	11.036	11.007	11.054	VV	16453	442330	24.32%	0.570%
164	11.063	11.054	11.082	VV	14951	232707	12.79%	0.300%
165	11.126	11.082	11.138	VV	15611	475048	26.11%	0.612%
166	11.168	11.138	11.224	VV	25970	878931	48.32%	1.132%
167	11.247	11.224	11.282	VV	17968	517349	28.44%	0.666%
168	11.302	11.282	11.327	VV	14875	352075	19.35%	0.454%
169	11.347	11.327	11.362	VV	14305	274320	15.08%	0.353%
170	11.382	11.362	11.400	VV	15495	319415	17.56%	0.411%
171	11.439	11.400	11.450	VV	13510	385916	21.21%	0.497%
172	11.473	11.450	11.495	VV	19428	427280	23.49%	0.550%
173	11.516	11.495	11.520	VV	17578	220596	12.13%	0.284%
174	11.528	11.520	11.544	VV	17662	236538	13.00%	0.305%
175	11.559	11.544	11.587	VV	18526	417689	22.96%	0.538%
176	11.593	11.587	11.601	VV	14448	120788	6.64%	0.156%
177	11.608	11.601	11.622	VV	14494	170058	9.35%	0.219%
178	11.641	11.622	11.673	VV	16860	472968	26.00%	0.609%
179	11.697	11.673	11.729	VV	26802	640772	35.22%	0.825%
180	11.760	11.729	11.787	VV	15195	451466	24.82%	0.582%
181	11.822	11.787	11.842	VV	18061	464819	25.55%	0.599%
182	11.855	11.842	11.884	VV	13674	314920	17.31%	0.406%
183	11.903	11.884	11.907	VV	13169	173741	9.55%	0.224%
184	11.932	11.907	11.955	VV	80379	1099801	60.46%	1.417%
185	11.970	11.955	11.986	VV	19327	323544	17.79%	0.417%
186	12.002	11.986	12.036	VV	20924	441687	24.28%	0.569%
187	12.087	12.036	12.100	VV	14734	483377	26.57%	0.623%
188	12.118	12.100	12.135	VV	19781	344599	18.94%	0.444%
189	12.153	12.135	12.199	VV	18717	531948	29.24%	0.685%
190	12.222	12.199	12.239	VV	11587	256752	14.11%	0.331%
191	12.263	12.239	12.288	VV	15848	387563	21.30%	0.499%
192	12.307	12.288	12.325	VV	14503	283543	15.59%	0.365%
193	12.337	12.325	12.354	VV	11469	186811	10.27%	0.241%
194	12.372	12.354	12.396	VV	12998	283095	15.56%	0.365%

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

195	12.411	12.396	12.445	VV	10782	299400	16.46%	0.386%
196	12.472	12.445	12.487	VV	12204	271068	14	
197	12.512	12.487	12.515	VV	14247	213899	11	
198	12.527	12.515	12.562	VV	16753	349710	19	
199	12.587	12.562	12.606	VV	11709	267546	14	
200	12.624	12.606	12.632	VV	9962	146433	8	
201	12.649	12.632	12.684	VV	12379	334805	18.40%	0.431%
202	12.714	12.684	12.737	VV	10999	318804	17.52%	0.411%
203	12.763	12.737	12.806	VV	13618	441377	24.26%	0.569%
204	12.871	12.806	12.892	VV	19393	604264	33.22%	0.778%
205	12.908	12.892	12.923	VV	13180	228200	12.54%	0.294%
206	12.935	12.923	12.966	VV	12952	270407	14.86%	0.348%
207	12.989	12.966	13.030	VV	12925	382682	21.04%	0.493%
208	13.041	13.030	13.071	VV	7405	173363	9.53%	0.223%
209	13.112	13.071	13.148	VV	9231	347316	19.09%	0.447%
210	13.182	13.148	13.196	VV	7758	202695	11.14%	0.261%
211	13.228	13.196	13.259	VV	8004	275991	15.17%	0.356%
212	13.287	13.259	13.335	VV	12056	368753	20.27%	0.475%
213	13.370	13.335	13.405	VV	16814	409675	22.52%	0.528%
214	13.422	13.405	13.456	VV	8127	226666	12.46%	0.292%
215	13.467	13.456	13.484	VV	7343	116243	6.39%	0.150%
216	13.493	13.484	13.520	VV	6251	126627	6.96%	0.163%
217	13.567	13.520	13.600	VV	8236	318487	17.51%	0.410%
218	13.620	13.600	13.665	VV	8942	254324	13.98%	0.328%
219	13.683	13.665	13.696	VV	6645	107124	5.89%	0.138%
220	13.710	13.696	13.735	VV	6827	138074	7.59%	0.178%
221	13.762	13.735	13.823	VV	7667	302587	16.63%	0.390%
222	13.840	13.823	13.855	VV	5121	94407	5.19%	0.122%
223	13.882	13.855	13.903	VV	5933	150784	8.29%	0.194%
224	13.918	13.903	13.939	VV	4760	94846	5.21%	0.122%
225	13.946	13.939	13.964	VV	4269	60522	3.33%	0.078%
226	13.992	13.964	14.011	VV	5219	125758	6.91%	0.162%
227	14.029	14.011	14.045	VV	5718	104665	5.75%	0.135%
228	14.059	14.045	14.104	VV	5622	160876	8.84%	0.207%
229	14.112	14.104	14.119	VV	3666	31938	1.76%	0.041%
230	14.155	14.119	14.182	VV	6080	174487	9.59%	0.225%
231	14.197	14.182	14.220	VV	4852	92046	5.06%	0.119%
232	14.230	14.220	14.250	VV	3482	61727	3.39%	0.080%
233	14.256	14.250	14.307	VV	3413	103054	5.66%	0.133%
234	14.331	14.307	14.350	VV	3363	77951	4.29%	0.100%
235	14.355	14.350	14.400	VV	3171	81464	4.48%	0.105%
236	14.426	14.400	14.456	VV	3191	88190	4.85%	0.114%
237	14.495	14.456	14.519	VV	3205	99507	5.47%	0.128%
238	14.531	14.519	14.560	VV	2552	62231	3.42%	0.080%
239	14.564	14.560	14.567	VV	2564	10550	0.58%	0.014%
240	14.589	14.567	14.603	VV	2989	60152	3.31%	0.077%
241	14.614	14.603	14.667	VV	3031	94863	5.21%	0.122%
242	14.696	14.667	14.702	VV	2670	50496	2.78%	0.065%
243	14.704	14.702	14.707	VV	2646	7723	0.42%	0.010%
244	14.719	14.707	14.774	VV	2765	95970	5.28%	0.124%
245	14.819	14.774	14.845	VV	3035	104791	5.76%	0.135%
246	14.862	14.845	14.882	VV	2697	49441	2.72%	0.064%

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	14.897	14.882	14.924	VV	2075	43971	2.42%	0.057%
248	14.940	14.924	14.956	VV	1722	30618	1	
249	14.983	14.956	15.007	VV	1968	52782	2	
250	15.021	15.007	15.038	VV	1895	29607	1	
251	15.069	15.038	15.087	VV	1369	37239	2	
252	15.100	15.087	15.105	VV	1351	14026	0	
253	15.124	15.105	15.135	VV	1385	21916	1.20%	0.028%
254	15.145	15.135	15.151	VV	1255	11719	0.64%	0.015%
255	15.185	15.151	15.200	VV	2310	49303	2.71%	0.064%
256	15.226	15.200	15.251	VV	2729	68364	3.76%	0.088%
257	15.259	15.251	15.284	VV	1884	28977	1.59%	0.037%
258	15.321	15.284	15.343	VV	1693	50617	2.78%	0.065%
259	15.370	15.343	15.383	VV	1494	35407	1.95%	0.046%
260	15.389	15.383	15.409	VV	1583	21719	1.19%	0.028%
261	15.414	15.409	15.442	VV	1448	24201	1.33%	0.031%
262	15.452	15.442	15.460	VV	1048	10452	0.57%	0.013%
263	15.480	15.460	15.512	VV	1228	30265	1.66%	0.039%
264	15.526	15.512	15.541	VV	798	11667	0.64%	0.015%
265	15.554	15.541	15.583	VV	657	14262	0.78%	0.018%
266	15.610	15.583	15.630	VV	1559	31660	1.74%	0.041%
267	15.642	15.630	15.676	VV	1218	26651	1.47%	0.034%
268	15.685	15.676	15.704	VV	766	10335	0.57%	0.013%
269	15.718	15.704	15.725	VV	470	5200	0.29%	0.007%
270	15.744	15.725	15.748	VV	771	8237	0.45%	0.011%
271	15.767	15.748	15.792	VV	1107	19995	1.10%	0.026%
272	15.797	15.792	15.828	VV	588	9382	0.52%	0.012%
273	15.854	15.828	15.877	VV	1307	26767	1.47%	0.034%
274	15.884	15.877	15.916	VV	851	14792	0.81%	0.019%
275	15.930	15.916	15.944	VV	458	6440	0.35%	0.008%
276	15.972	15.944	15.980	VV	593	10655	0.59%	0.014%
277	15.996	15.980	16.002	VV	814	8703	0.48%	0.011%
278	16.010	16.002	16.017	VV	845	7218	0.40%	0.009%
279	16.019	16.017	16.068	VV	871	17782	0.98%	0.023%
280	16.078	16.068	16.097	VV	733	8076	0.44%	0.010%
281	16.109	16.097	16.120	VV	361	3989	0.22%	0.005%
282	16.139	16.120	16.158	VV	383	6917	0.38%	0.009%
283	16.183	16.158	16.195	VV	519	8739	0.48%	0.011%
284	16.203	16.195	16.226	VV	470	6967	0.38%	0.009%
285	16.249	16.226	16.274	VV	540	11745	0.65%	0.015%
286	16.278	16.274	16.295	VV	402	4663	0.26%	0.006%
287	16.303	16.295	16.329	VV	327	4525	0.25%	0.006%
288	16.353	16.344	16.371	VV	216	2411	0.13%	0.003%
289	16.390	16.371	16.414	VV	241	2184	0.12%	0.003%
290	16.459	16.414	16.479	VV	604	13095	0.72%	0.017%
291	16.489	16.479	16.493	VV	223	1457	0.08%	0.002%
292	16.500	16.493	16.517	VV	331	2906	0.16%	0.004%
293	16.540	16.517	16.545	VV	451	4849	0.27%	0.006%
294	16.552	16.545	16.585	VV	542	7116	0.39%	0.009%
295	16.610	16.585	16.618	VV	334	4185	0.23%	0.005%
296	16.654	16.618	16.685	VV	654	15034	0.83%	0.019%
297	16.694	16.685	16.710	VV	277	2336	0.13%	0.003%
298	16.741	16.710	16.759	VV	1774	29421	1.62%	0.038%
299	16.773	16.759	16.850	VV	1144	32838	1.81%	0.042%

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

					rteres			
300	16.880	16.850	16.907	VV	630	16000	0.88%	0.021%
301	16.915	16.907	16.955	VV	525	11715		
302	16.961	16.955	16.982	VV	422	3611		
303	17.039	16.994	17.046	VV	415	10140		
304	17.063	17.046	17.109	VV	1086	24369		
305	17.133	17.109	17.181	VV	1062	28981		
306	17.203	17.181	17.219	VV	1057	17821	0.98%	0.023%
307	17.251	17.219	17.290	VV	2064	38015	2.09%	0.049%
308	17.294	17.290	17.317	VV	289	3298	0.18%	0.004%
309	17.335	17.327	17.347	VV	186	1688	0.09%	0.002%
310	17.367	17.355	17.380	VV	288	3067	0.17%	0.004%
311	17.384	17.380	17.414	VV	276	3720	0.20%	0.005%
312	17.448	17.414	17.469	VV	507	8757	0.48%	0.011%
313	17.522	17.475	17.542	VV	529	14149	0.78%	0.018%
314	17.548	17.542	17.555	VV	434	2793	0.15%	0.004%
315	17.561	17.555	17.583	VV	441	4497	0.25%	0.006%
316	17.617	17.583	17.634	VV	839	17174	0.94%	0.022%
317	17.656	17.634	17.684	VV	1224	22476	1.24%	0.029%
318	17.689	17.684	17.700	VV	378	3113	0.17%	0.004%
319	17.706	17.700	17.710	VV	243	1174	0.06%	0.002%
320	17.718	17.710	17.734	VV	285	3602	0.20%	0.005%
321	17.752	17.734	17.780	VV	583	11492	0.63%	0.015%
322	17.784	17.780	17.804	VV	431	3929	0.22%	0.005%
323	17.833	17.804	17.865	VV	461	9669	0.53%	0.012%
324	17.886	17.874	17.905	VV	168	2196	0.12%	0.003%
325	17.919	17.905	17.936	PV	196	2176	0.12%	0.003%
326	17.940	17.936	17.960	VV	198	1405	0.08%	0.002%
327	17.994	17.960	18.001	VV	220	2621	0.14%	0.003%
328	18.009	18.001	18.017	VV	274	1650	0.09%	0.002%
329	18.030	18.017	18.045	VV	251	2021	0.11%	0.003%
330	18.093	18.045	18.125	PV	1862	31241	1.72%	0.040%
331	18.138	18.125	18.157	VV	411	6052	0.33%	0.008%
332	18.171	18.157	18.185	VV	401	5613	0.31%	0.007%
333	18.192	18.185	18.200	VV	333	2518	0.14%	0.003%
334	18.204	18.200	18.210	VV	285	1315	0.07%	0.002%
335	18.236	18.210	18.255	VV	740	13748	0.76%	0.018%
336	18.277	18.255	18.327	VV	620	14479	0.80%	0.019%
337	18.370	18.327	18.399	VV	728	19147	1.05%	0.025%
338	18.415	18.399	18.427	VV	381	5133	0.28%	0.007%
339	18.459	18.427	18.465	VV	715	12810	0.70%	0.017%
340	18.469	18.465	18.482	VV	800	5621	0.31%	0.007%
341	18.513	18.482	18.536	VV	2562	56491	3.11%	0.073%
342	18.543	18.536	18.593	VV	1903	43856	2.41%	0.056%
343	18.605	18.593	18.639	VV	1178	21940	1.21%	0.028%
344	18.642	18.639	18.651	VV	526	3207	0.18%	0.004%
345	18.664	18.651	18.670	VV	463	5018	0.28%	0.006%
346	18.674	18.670	18.685	VV	497	3768	0.21%	0.005%
347	18.689	18.685	18.697	VV	427	2920	0.16%	0.004%
348	18.704	18.697	18.709	VV	425	2504	0.14%	0.003%
349	18.752	18.709	18.797	VV	1711	45926	2.52%	0.059%
350	18.816	18.797	18.844	VV	750	17000	0.93%	0.022%
351	18.869	18.844	18.879	VV	696	13044	0.72%	0.017%

Instrument :
FID_F
ClientSampleId :
EX-8-TPH-1DL

rteres

352	18.894	18.879	18.899	VV	747	8319	0.46%	0.011%
353	18.928	18.899	19.000	VV	2183	63890	3	
354	19.032	19.000	19.051	VV	808	18494	1	

Sum of corrected areas: 776

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Aromatic EPH 020525.M Mon Feb 10 03:24:22 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-1	SDG No.:	Q1308
Lab Sample ID:	Q1308-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
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
02/06/25 14:20	02/07/25 19:27	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	24.4		5	2.28	5.99	mg/kg	FE052297.D
Aliphatic C12-C16	Aliphatic C12-C16	64.3		5	1.44	4.00	mg/kg	FE052297.D
Aliphatic C16-C21	Aliphatic C16-C21	51.8		5	1.80	5.99	mg/kg	FE052297.D
Aliphatic C21-C28	Aliphatic C21-C28	7.21		1	0.96	1.60	mg/kg	FE052285.D
Aliphatic C28-C40	Aliphatic C28-C40	6.88		1	2.16	2.40	mg/kg	FE052285.D
Aromatic C10-C12	Aromatic C10-C12	20.1		5	1.80	4.00	mg/kg	FF015498.D
Aromatic C12-C16	Aromatic C12-C16	39.7		5	2.04	5.99	mg/kg	FF015498.D
Aromatic C16-C21	Aromatic C16-C21	72.9		5	5.75	9.99	mg/kg	FF015498.D
Aromatic C21-C36	Aromatic C21-C36	11.2		1	2.40	3.20	mg/kg	FF015487.D
Total AliphaticEPH	Total AliphaticEPH	155			8.64	20.0	mg/kg	
Total AromaticEPH	Total AromaticEPH	144			12.0	23.2	mg/kg	
Total EPH	Total EPH	298			20.6	43.2	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-1	SDG No.:	Q1308
Lab Sample ID:	Q1308-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
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
FE052285.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		29.7	E	0.46	1.20	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		75.0	E	0.29	0.80	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		57.0	E	0.36	1.20	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		7.21		0.96	1.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.88		2.16	2.40	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-02	Acq On:	07 Feb 2025 11:56
Client Sample ID:	EX-6-TPH-1	Operator:	YP\AJ
Data file:	FE052285.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	35775541	371.948	300	ug/ml
Aliphatic C12-C16	7.236	10.639	98223169	938.012	200	ug/ml
Aliphatic C16-C21	10.640	13.984	80541475	712.616	300	ug/ml
Aliphatic C21-C28	13.985	17.628	10280323	90.179	400	ug/ml
Aliphatic C28-C40	17.629	22.712	7875331	86.019	600	ug/ml
Aliphatic EPH	3.679	22.712	232695839	2200		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.723	13.723	3188915	32.31		ug/ml
Aliphatic C9-C28	3.679	17.628	224820508	2110	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052285.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 11:56
Operator : YP\AJ
Sample : Q1308-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1

Integration File: autoint1.e
Quant Time: Feb 08 02:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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...	13.723	3188915	32.312 ug/ml
Spiked Amount 50.000		Recovery = 64.62%	
Target Compounds			

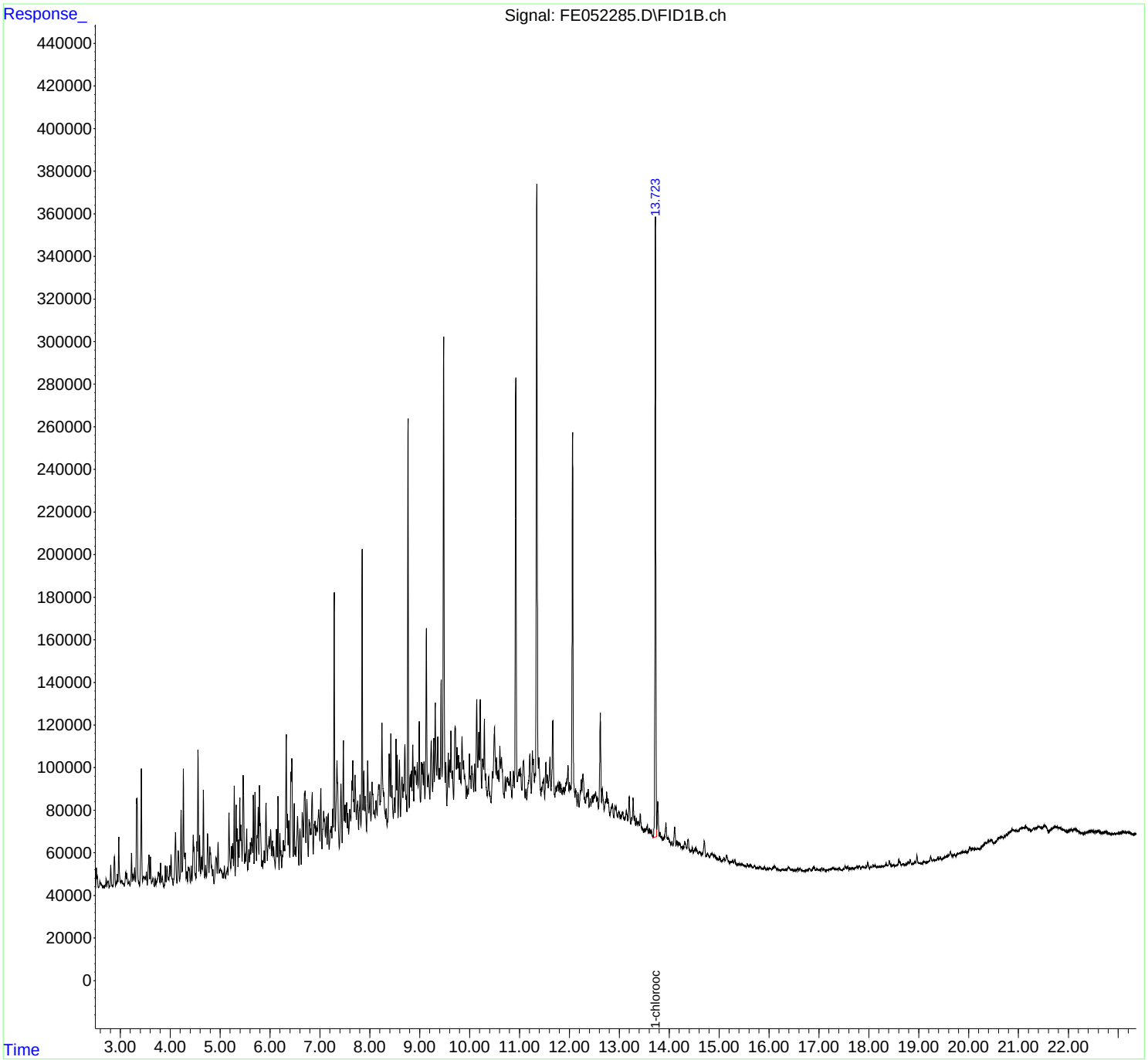
(f)=RT Delta > 1/2 Window (m)=manual int.

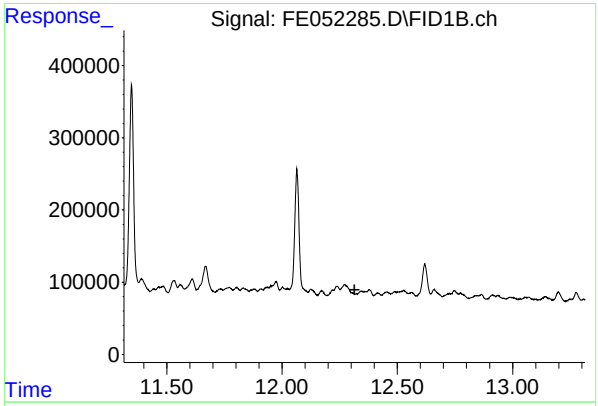
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052285.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 11:56
Operator : YP\AJ
Sample : Q1308-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1

Integration File: autoint1.e
Quant Time: Feb 08 02:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

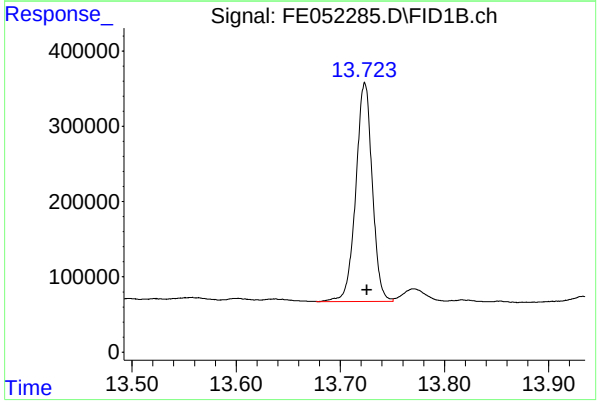




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.723 min
Delta R.T.: -0.002 min
Response: 3188915
Conc: 32.31 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052285.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 11:56
Sample : Q1308-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.225	3.205	3.241	PV	13558	117139	2.05%	0.049%
2	3.254	3.241	3.271	PV	3514	38931	0.68%	0.016%
3	3.287	3.271	3.304	VV	7118	70030	1.23%	0.029%
4	3.329	3.304	3.387	VV	39521	691945	12.13%	0.290%
5	3.422	3.387	3.447	PV	54972	644159	11.29%	0.270%
6	3.466	3.447	3.509	VV	4311	136649	2.39%	0.057%
7	3.524	3.509	3.541	VV	6684	76253	1.34%	0.032%
8	3.574	3.541	3.589	VV	14824	225084	3.94%	0.094%
9	3.604	3.589	3.626	VV	13675	162597	2.85%	0.068%
10	3.655	3.626	3.680	VV	3837	72401	1.27%	0.030%
11	3.699	3.680	3.713	PV	3671	34211	0.60%	0.014%
12	3.762	3.713	3.791	VV	6651	175197	3.07%	0.073%
13	3.808	3.791	3.825	VV	10929	115080	2.02%	0.048%
14	3.843	3.825	3.874	VV	4598	63814	1.12%	0.027%
15	3.902	3.874	3.917	PV	9619	93826	1.64%	0.039%
16	3.936	3.917	3.973	VV	9353	182082	3.19%	0.076%
17	3.991	3.973	4.002	VV	9721	108921	1.91%	0.046%
18	4.017	4.002	4.057	VV	14811	206038	3.61%	0.086%
19	4.107	4.057	4.135	VV	25238	430668	7.55%	0.180%
20	4.161	4.135	4.188	VV	16507	274758	4.82%	0.115%
21	4.218	4.188	4.238	VV	35362	414899	7.27%	0.174%
22	4.264	4.238	4.292	VV	54577	701415	12.29%	0.294%
23	4.301	4.292	4.320	VV	15487	182074	3.19%	0.076%
24	4.332	4.320	4.347	VV	6741	73758	1.29%	0.031%
25	4.366	4.347	4.375	VV	8637	105622	1.85%	0.044%
26	4.381	4.375	4.404	VV	7980	88982	1.56%	0.037%
27	4.421	4.404	4.436	VV	9178	95354	1.67%	0.040%
28	4.462	4.436	4.517	VV	23617	543420	9.52%	0.227%
29	4.558	4.517	4.577	VV	63727	887637	15.56%	0.372%
30	4.589	4.577	4.611	VV	23503	274728	4.81%	0.115%
31	4.627	4.611	4.643	VV	13135	188649	3.31%	0.079%
32	4.665	4.643	4.692	VV	44678	534401	9.37%	0.224%
33	4.710	4.692	4.728	VV	9331	129707	2.27%	0.054%
34	4.749	4.728	4.777	VV	24286	395207	6.93%	0.165%
35	4.795	4.777	4.847	VV	18060	467917	8.20%	0.196%
36	4.857	4.847	4.878	VV	7424	74953	1.31%	0.031%

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37	4.917	4.878	4.941	VV	12943	301356	5.28%	0.126%
38	4.959	4.941	4.981	VV	20089	282521	4.95%	0.118%
39	5.007	4.981	5.049	VV	7616	256024	4.49%	0.107%
40	5.059	5.049	5.070	VV	5163	51872	0.91%	0.022%
41	5.087	5.070	5.109	VV	8884	127979	2.24%	0.054%
42	5.145	5.109	5.158	VV	7803	168334	2.95%	0.070%
43	5.178	5.158	5.214	VV	33649	541205	9.49%	0.227%
44	5.231	5.214	5.241	VV	17948	210553	3.69%	0.088%
45	5.252	5.241	5.267	VV	19290	240008	4.21%	0.100%
46	5.284	5.267	5.303	VV	46217	482249	8.45%	0.202%
47	5.321	5.303	5.360	VV	37194	712007	12.48%	0.298%
48	5.372	5.360	5.381	VV	20897	199358	3.49%	0.083%
49	5.395	5.381	5.441	VV	40571	845795	14.82%	0.354%
50	5.463	5.441	5.492	VV	50875	916526	16.06%	0.384%
51	5.503	5.492	5.513	VV	14051	153070	2.68%	0.064%
52	5.533	5.513	5.554	VV	25736	379074	6.64%	0.159%
53	5.576	5.554	5.591	VV	16112	259801	4.55%	0.109%
54	5.606	5.591	5.616	VV	19533	229101	4.02%	0.096%
55	5.630	5.616	5.651	VV	21634	390007	6.84%	0.163%
56	5.667	5.651	5.683	VV	41708	468539	8.21%	0.196%
57	5.701	5.683	5.729	VV	43172	674328	11.82%	0.282%
58	5.763	5.729	5.776	VV	36352	661816	11.60%	0.277%
59	5.790	5.776	5.835	VV	45649	889838	15.60%	0.372%
60	5.844	5.835	5.856	VV	11250	116677	2.04%	0.049%
61	5.884	5.856	5.898	VV	15618	294360	5.16%	0.123%
62	5.920	5.898	5.947	VV	37878	635765	11.14%	0.266%
63	5.982	5.947	5.995	VV	22147	507920	8.90%	0.213%
64	6.013	5.995	6.032	VV	25355	447569	7.84%	0.187%
65	6.048	6.032	6.064	VV	20060	312542	5.48%	0.131%
66	6.075	6.064	6.104	VV	17353	303931	5.33%	0.127%
67	6.131	6.104	6.145	VV	25592	420529	7.37%	0.176%
68	6.161	6.145	6.182	VV	40918	502650	8.81%	0.210%
69	6.199	6.182	6.235	VV	23659	461896	8.10%	0.193%
70	6.269	6.235	6.279	VV	20293	375954	6.59%	0.157%
71	6.288	6.279	6.297	VV	17829	174416	3.06%	0.073%
72	6.326	6.297	6.363	VV	69624	1397155	24.49%	0.585%
73	6.377	6.363	6.396	VV	29577	430729	7.55%	0.180%
74	6.439	6.396	6.467	VV	58119	1513855	26.53%	0.634%
75	6.486	6.467	6.501	VV	37292	476650	8.35%	0.200%
76	6.510	6.501	6.521	VV	17039	175783	3.08%	0.074%
77	6.553	6.521	6.579	VV	31410	723674	12.68%	0.303%
78	6.601	6.579	6.626	VV	25465	484944	8.50%	0.203%
79	6.648	6.626	6.670	VV	33020	635596	11.14%	0.266%
80	6.701	6.670	6.719	VV	43052	998672	17.50%	0.418%
81	6.741	6.719	6.767	VV	39199	749713	13.14%	0.314%
82	6.786	6.767	6.809	VV	29856	611077	10.71%	0.256%
83	6.846	6.809	6.867	VV	42011	1002433	17.57%	0.420%
84	6.902	6.867	6.915	VV	28843	689837	12.09%	0.289%
85	6.976	6.915	6.999	VV	34177	1374050	24.08%	0.575%
86	7.019	6.999	7.043	VV	44120	751693	13.17%	0.315%
87	7.076	7.043	7.110	VV	33646	1074114	18.82%	0.450%
88	7.131	7.110	7.146	VV	31019	540969	9.48%	0.226%
89	7.165	7.146	7.186	VV	32076	572366	10.03%	0.240%

90	7.229	7.186	7.241	VV	26285	733343	12.85%	0.307%
91	7.257	7.241	7.267	VV	34504	459272	8.05%	0.192%
92	7.287	7.267	7.310	VV	135008	1655411	29.01%	0.693%
93	7.343	7.310	7.389	VV	57016	1719500	30.14%	0.720%
94	7.423	7.389	7.447	VV	46016	1019400	17.87%	0.427%
95	7.471	7.447	7.489	VV	66622	1051099	18.42%	0.440%
96	7.503	7.489	7.516	VV	36153	508354	8.91%	0.213%
97	7.536	7.516	7.552	VV	37509	692385	12.13%	0.290%
98	7.562	7.552	7.578	VV	32335	431758	7.57%	0.181%
99	7.600	7.578	7.620	VV	33988	739112	12.95%	0.309%
100	7.660	7.620	7.690	VV	57015	1734423	30.40%	0.726%
101	7.705	7.690	7.732	VV	49885	1017823	17.84%	0.426%
102	7.758	7.732	7.776	VV	37904	862555	15.12%	0.361%
103	7.805	7.776	7.822	VV	40658	918588	16.10%	0.385%
104	7.848	7.822	7.866	VV	156188	1882496	32.99%	0.788%
105	7.881	7.866	7.935	VV	52077	1568070	27.48%	0.656%
106	7.959	7.935	7.982	VV	56503	1128527	19.78%	0.472%
107	8.005	7.982	8.024	VV	42202	865653	15.17%	0.362%
108	8.046	8.024	8.104	VV	46527	1753182	30.73%	0.734%
109	8.126	8.104	8.147	VV	37884	872574	15.29%	0.365%
110	8.178	8.147	8.206	VV	45251	1434488	25.14%	0.600%
111	8.245	8.206	8.317	VV	74160	2904111	50.90%	1.216%
112	8.330	8.317	8.347	VV	34210	541819	9.50%	0.227%
113	8.389	8.347	8.407	VV	59420	1470941	25.78%	0.616%
114	8.423	8.407	8.472	VV	68979	1720734	30.16%	0.720%
115	8.496	8.472	8.508	VV	39084	747559	13.10%	0.313%
116	8.527	8.508	8.541	VV	66270	1016168	17.81%	0.425%
117	8.551	8.541	8.569	VV	59051	764213	13.39%	0.320%
118	8.595	8.569	8.617	VV	56519	1207748	21.17%	0.506%
119	8.647	8.617	8.664	VV	48555	1190580	20.87%	0.498%
120	8.704	8.664	8.744	VV	63858	2155835	37.78%	0.902%
121	8.767	8.744	8.790	VV	216566	2660078	46.62%	1.113%
122	8.810	8.790	8.823	VV	49793	879796	15.42%	0.368%
123	8.836	8.823	8.847	VV	51214	657574	11.52%	0.275%
124	8.862	8.847	8.882	VV	63437	1094179	19.18%	0.458%
125	8.898	8.882	8.937	VV	53031	1586925	27.81%	0.664%
126	8.952	8.937	8.968	VV	55311	932858	16.35%	0.390%
127	8.992	8.968	9.018	VV	74618	1547907	27.13%	0.648%
128	9.039	9.018	9.048	VV	55363	849237	14.88%	0.355%
129	9.057	9.048	9.073	VV	54690	750465	13.15%	0.314%
130	9.088	9.073	9.105	VV	55429	923606	16.19%	0.387%
131	9.135	9.105	9.160	VV	118299	2209179	38.72%	0.925%
132	9.179	9.160	9.205	VV	49277	1217801	21.34%	0.510%
133	9.232	9.205	9.260	VV	64914	1694443	29.70%	0.709%
134	9.281	9.260	9.296	VV	66441	1156857	20.27%	0.484%
135	9.312	9.296	9.343	VV	83007	1736047	30.43%	0.727%
136	9.364	9.343	9.382	VV	66917	1327219	23.26%	0.556%
137	9.393	9.382	9.407	VV	52415	751973	13.18%	0.315%
138	9.430	9.407	9.450	VV	93812	1661963	29.13%	0.696%
139	9.481	9.450	9.511	VV	254516	4203403	73.67%	1.759%
140	9.524	9.511	9.545	VV	54456	937012	16.42%	0.392%
141	9.574	9.545	9.588	VV	59469	1221609	21.41%	0.511%

142	9.627	9.588	9.648	VV	69694	1971608	34.55%	0.825%
143	9.656	9.648	9.680	VV	51163	886977	15.54%	0.371%
144	9.711	9.680	9.736	VV	71548	1954425	34.25%	0.818%
145	9.751	9.736	9.766	VV	61759	1040365	18.23%	0.435%
146	9.780	9.766	9.796	VV	57948	972315	17.04%	0.407%
147	9.807	9.796	9.827	VV	54297	916730	16.07%	0.384%
148	9.849	9.827	9.869	VV	67097	1430038	25.06%	0.599%
149	9.880	9.869	9.932	VV	55749	1813706	31.79%	0.759%
150	9.946	9.932	9.958	VV	43590	640373	11.22%	0.268%
151	9.969	9.958	9.977	VV	41913	467845	8.20%	0.196%
152	9.999	9.977	10.031	VV	58710	1579890	27.69%	0.661%
153	10.047	10.031	10.082	VV	52585	1438419	25.21%	0.602%
154	10.102	10.082	10.119	VV	54093	1056475	18.52%	0.442%
155	10.144	10.119	10.166	VV	84188	1764572	30.93%	0.739%
156	10.185	10.166	10.198	VV	68818	1169459	20.50%	0.490%
157	10.215	10.198	10.243	VV	84082	1697163	29.74%	0.710%
158	10.263	10.243	10.285	VV	56256	1282747	22.48%	0.537%
159	10.298	10.285	10.351	VV	74661	2061704	36.13%	0.863%
160	10.383	10.351	10.428	VV	47952	1911679	33.50%	0.800%
161	10.459	10.428	10.471	VV	50052	1115394	19.55%	0.467%
162	10.499	10.471	10.530	VV	70738	2064978	36.19%	0.864%
163	10.542	10.530	10.559	VV	56469	922136	16.16%	0.386%
164	10.573	10.559	10.590	VV	50558	885446	15.52%	0.371%
165	10.609	10.590	10.625	VV	61894	1144216	20.05%	0.479%
166	10.641	10.625	10.696	VV	56837	2019798	35.40%	0.845%
167	10.715	10.696	10.730	VV	47739	883157	15.48%	0.370%
168	10.746	10.730	10.755	VV	46906	666956	11.69%	0.279%
169	10.764	10.755	10.805	VV	46430	1345208	23.58%	0.563%
170	10.820	10.805	10.846	VV	49943	1116205	19.56%	0.467%
171	10.882	10.846	10.897	VV	50179	1366977	23.96%	0.572%
172	10.927	10.897	10.960	VV	231705	4015595	70.38%	1.681%
173	10.992	10.960	11.004	VV	50848	1267303	22.21%	0.530%
174	11.016	11.004	11.047	VV	51093	1225821	21.48%	0.513%
175	11.080	11.047	11.113	VV	54535	1873044	32.83%	0.784%
176	11.129	11.113	11.151	VV	41363	902308	15.81%	0.378%
177	11.208	11.151	11.239	VV	57754	2449416	42.93%	1.025%
178	11.261	11.239	11.271	VV	59525	981276	17.20%	0.411%
179	11.279	11.271	11.301	VV	55050	911488	15.97%	0.382%
180	11.348	11.301	11.379	VV	325310	5705906	100.00%	2.388%
181	11.391	11.379	11.431	VV	56007	1496535	26.23%	0.626%
182	11.484	11.431	11.505	VV	45638	1891277	33.15%	0.792%
183	11.531	11.505	11.548	VV	53828	1206835	21.15%	0.505%
184	11.560	11.548	11.578	VV	47884	813921	14.26%	0.341%
185	11.611	11.578	11.631	VV	56120	1523516	26.70%	0.638%
186	11.669	11.631	11.710	VV	73656	2423410	42.47%	1.014%
187	11.733	11.710	11.744	VV	41709	836985	14.67%	0.350%
188	11.770	11.744	11.788	VV	43979	1107247	19.41%	0.463%
189	11.804	11.788	11.818	VV	44645	762553	13.36%	0.319%
190	11.832	11.818	11.857	VV	43224	975994	17.10%	0.409%
191	11.880	11.857	11.894	VV	41857	896045	15.70%	0.375%
192	11.909	11.894	11.918	VV	42084	573818	10.06%	0.240%
193	11.974	11.918	11.991	VV	52274	1997537	35.01%	0.836%
194	12.003	11.991	12.030	VV	44378	991065	17.37%	0.415%

195	12.065	12.030	12.112	VV	207781	4067315	71.28%	1.702%
196	12.126	12.112	12.154	VV	41447	952122	16.69%	0.399%
197	12.172	12.154	12.195	VV	39195	875613	15.35%	0.367%
198	12.239	12.195	12.252	VV	45405	1377703	24.15%	0.577%
199	12.272	12.252	12.328	VV	47680	1838901	32.23%	0.770%
200	12.344	12.328	12.355	VV	38684	598798	10.49%	0.251%
201	12.379	12.355	12.399	VV	40911	995420	17.45%	0.417%
202	12.415	12.399	12.432	VV	35927	693371	12.15%	0.290%
203	12.455	12.432	12.473	VV	37553	881140	15.44%	0.369%
204	12.489	12.473	12.498	VV	38008	547778	9.60%	0.229%
205	12.528	12.498	12.548	VV	39512	1134614	19.88%	0.475%
206	12.562	12.548	12.582	VV	36633	721831	12.65%	0.302%
207	12.619	12.582	12.645	VV	75892	1845463	32.34%	0.772%
208	12.660	12.645	12.695	VV	40867	1084308	19.00%	0.454%
209	12.748	12.695	12.766	VV	39017	1470697	25.77%	0.616%
210	12.774	12.766	12.810	VV	36136	863818	15.14%	0.362%
211	12.842	12.810	12.850	VV	32266	747562	13.10%	0.313%
212	12.864	12.850	12.887	VV	33965	678541	11.89%	0.284%
213	12.913	12.887	12.975	VV	32948	1584800	27.77%	0.663%
214	12.990	12.975	13.021	VV	29819	806170	14.13%	0.337%
215	13.069	13.021	13.115	VV	30000	1558772	27.32%	0.652%
216	13.141	13.115	13.174	VV	30520	1002191	17.56%	0.419%
217	13.198	13.174	13.231	VV	36880	1023424	17.94%	0.428%
218	13.276	13.231	13.299	VV	36415	1162697	20.38%	0.487%
219	13.309	13.299	13.328	VV	27491	450207	7.89%	0.188%
220	13.341	13.328	13.361	VV	26562	502621	8.81%	0.210%
221	13.374	13.361	13.400	VV	25245	566760	9.93%	0.237%
222	13.421	13.400	13.483	VV	28345	1175474	20.60%	0.492%
223	13.497	13.483	13.508	VV	21649	317035	5.56%	0.133%
224	13.522	13.508	13.535	VV	21508	336492	5.90%	0.141%
225	13.556	13.535	13.585	VV	23113	655593	11.49%	0.274%
226	13.601	13.585	13.625	VV	21834	487972	8.55%	0.204%
227	13.636	13.625	13.677	VV	21103	607401	10.65%	0.254%
228	13.723	13.677	13.751	VV	309455	3972958	69.63%	1.663%
229	13.771	13.751	13.802	VV	34332	797814	13.98%	0.334%
230	13.818	13.802	13.841	VV	19656	435241	7.63%	0.182%
231	13.853	13.841	13.881	VV	17998	406197	7.12%	0.170%
232	13.933	13.881	13.976	VV	24314	1062423	18.62%	0.445%
233	13.990	13.976	14.036	VV	17231	568646	9.97%	0.238%
234	14.054	14.036	14.075	VV	15497	344286	6.03%	0.144%
235	14.109	14.075	14.135	VV	21885	620951	10.88%	0.260%
236	14.153	14.135	14.175	VV	15700	350947	6.15%	0.147%
237	14.202	14.175	14.238	VV	14501	528396	9.26%	0.221%
238	14.249	14.238	14.269	VV	12880	231271	4.05%	0.097%
239	14.314	14.269	14.348	VV	15129	635111	11.13%	0.266%
240	14.379	14.348	14.441	VV	16031	705884	12.37%	0.295%
241	14.462	14.441	14.485	VV	12410	291885	5.12%	0.122%
242	14.509	14.485	14.517	VV	11597	211119	3.70%	0.088%
243	14.528	14.517	14.542	VV	11909	170059	2.98%	0.071%
244	14.551	14.542	14.588	VV	11267	289911	5.08%	0.121%
245	14.610	14.588	14.642	VV	10224	319934	5.61%	0.134%
246	14.702	14.642	14.741	VV	15306	630044	11.04%	0.264%

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247	14.767	14.741	14.813	VV	9654	368017	6.45%	0.154%
248	14.860	14.813	14.986	VV	9374	835937	14.65%	0.350%
249	15.010	14.986	15.055	VV	7832	269283	4.72%	0.113%
250	15.100	15.055	15.123	VV	7079	257266	4.51%	0.108%
251	15.154	15.123	15.218	VV	8468	355752	6.23%	0.149%
252	15.229	15.218	15.250	VV	5329	98097	1.72%	0.041%
253	15.276	15.250	15.292	VV	5818	135030	2.37%	0.057%
254	15.312	15.292	15.368	VV	6152	215733	3.78%	0.090%
255	15.382	15.368	15.398	VV	4341	73144	1.28%	0.031%
256	15.404	15.398	15.444	VV	4212	106655	1.87%	0.045%
257	15.459	15.444	15.481	VV	3955	84441	1.48%	0.035%
258	15.487	15.481	15.502	VV	3620	43303	0.76%	0.018%
259	15.521	15.502	15.545	VV	3453	80212	1.41%	0.034%
260	15.563	15.545	15.591	VV	4171	97140	1.70%	0.041%
261	15.629	15.591	15.669	VV	3608	147373	2.58%	0.062%
262	15.707	15.669	15.750	VV	3331	122693	2.15%	0.051%
263	15.774	15.750	15.791	VV	2118	49762	0.87%	0.021%
264	15.814	15.791	15.877	VV	2493	106259	1.86%	0.044%
265	15.908	15.877	15.941	VV	2238	72199	1.27%	0.030%
266	15.974	15.941	15.992	VV	1555	44682	0.78%	0.019%
267	16.015	15.992	16.056	VV	1770	59062	1.04%	0.025%
268	16.111	16.056	16.162	VV	2799	122932	2.15%	0.051%
269	16.174	16.162	16.224	VV	1329	37335	0.65%	0.016%
270	16.231	16.224	16.241	VV	754	7271	0.13%	0.003%
271	16.264	16.241	16.290	VV	1363	30376	0.53%	0.013%
272	16.300	16.290	16.314	VV	916	12009	0.21%	0.005%
273	16.333	16.314	16.354	VV	1243	22392	0.39%	0.009%
274	16.390	16.354	16.460	VV	2240	81980	1.44%	0.034%
275	16.471	16.460	16.494	VV	822	12760	0.22%	0.005%
276	16.505	16.494	16.512	VV	643	5111	0.09%	0.002%
277	16.541	16.512	16.556	VV	875	16942	0.30%	0.007%
278	16.579	16.556	16.600	VV	1733	28414	0.50%	0.012%
279	16.623	16.600	16.682	VV	1443	34126	0.60%	0.014%
280	16.704	16.682	16.724	VV	321	5117	0.09%	0.002%
281	16.752	16.724	16.781	PV	603	10531	0.18%	0.004%
282	16.818	16.781	16.850	VV	1253	31600	0.55%	0.013%
283	16.897	16.850	16.942	VV	1842	53649	0.94%	0.022%
284	16.970	16.942	16.991	VV	908	18755	0.33%	0.008%
285	17.016	16.991	17.035	VV	646	12089	0.21%	0.005%
286	17.060	17.035	17.085	VV	1337	22724	0.40%	0.010%
287	17.099	17.085	17.137	VV	806	13880	0.24%	0.006%
288	17.239	17.137	17.251	PV	854	29588	0.52%	0.012%
289	17.285	17.251	17.325	VV	1393	41271	0.72%	0.017%
290	17.336	17.325	17.377	VV	766	19121	0.34%	0.008%
291	17.400	17.377	17.457	VV	862	25789	0.45%	0.011%
292	17.494	17.457	17.504	PV	583	8540	0.15%	0.004%
293	17.526	17.504	17.560	VV	1834	33289	0.58%	0.014%
294	17.579	17.560	17.605	VV	1492	22248	0.39%	0.009%
295	17.651	17.605	17.675	VV	635	18638	0.33%	0.008%
296	17.682	17.675	17.707	VV	566	6736	0.12%	0.003%
297	17.758	17.707	17.797	VV	997	38666	0.68%	0.016%
298	17.813	17.797	17.834	VV	1377	21365	0.37%	0.009%
299	17.874	17.834	17.886	VV	893	19487	0.34%	0.008%

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300	17.901	17.886	17.930	VV	817	14635	0.26%	0.006%
301	17.948	17.930	17.958	VV	735	8884	0.16%	0.004%
302	17.979	17.958	18.011	VV	2535	42451	0.74%	0.018%
303	18.037	18.011	18.059	PV	525	8456	0.15%	0.004%
304	18.084	18.059	18.107	VV	976	19163	0.34%	0.008%
305	18.125	18.107	18.155	VV	1171	19419	0.34%	0.008%
306	18.182	18.155	18.195	VV	287	4236	0.07%	0.002%
307	18.212	18.195	18.226	VV	412	5578	0.10%	0.002%
308	18.276	18.226	18.291	VV	367	9111	0.16%	0.004%
309	18.346	18.291	18.384	VV	1356	38226	0.67%	0.016%
310	18.411	18.384	18.459	VV	2716	53414	0.94%	0.022%
311	18.469	18.459	18.485	VV	279	2413	0.04%	0.001%
312	18.498	18.485	18.531	VV	631	7814	0.14%	0.003%
313	18.563	18.531	18.574	PV	328	6227	0.11%	0.003%
314	18.599	18.574	18.661	VV	3103	64559	1.13%	0.027%
315	18.683	18.661	18.725	VV	618	13630	0.24%	0.006%
316	18.798	18.725	18.811	VV	1300	32874	0.58%	0.014%
317	18.830	18.811	18.865	VV	2371	36802	0.64%	0.015%
318	18.879	18.865	18.891	VV	367	3772	0.07%	0.002%
319	18.924	18.891	18.940	VV	1088	20124	0.35%	0.008%
320	18.965	18.940	19.042	VV	4026	70909	1.24%	0.030%
321	19.117	19.042	19.155	PV	687	18057	0.32%	0.008%
322	19.165	19.155	19.172	VV	141	809	0.01%	0.000%
323	19.239	19.172	19.276	VV	2720	55446	0.97%	0.023%
324	19.286	19.276	19.320	VV	559	12525	0.22%	0.005%
325	19.385	19.320	19.405	VV	1662	35303	0.62%	0.015%
326	19.433	19.405	19.464	VV	1499	29806	0.52%	0.012%
327	19.633	19.464	19.691	VV	3266	166320	2.91%	0.070%
328	19.715	19.691	19.748	VV	1471	37844	0.66%	0.016%
329	19.783	19.748	19.805	VV	1639	41593	0.73%	0.017%
330	19.835	19.805	19.851	VV	1865	45511	0.80%	0.019%
331	19.882	19.851	19.905	VV	2023	58575	1.03%	0.025%
332	19.929	19.905	19.961	VV	1844	55233	0.97%	0.023%
333	20.021	19.961	20.052	VV	3445	124043	2.17%	0.052%
334	20.094	20.052	20.109	VV	2840	85167	1.49%	0.036%
335	20.119	20.109	20.127	VV	2156	21864	0.38%	0.009%
336	20.176	20.127	20.230	VV	2392	129944	2.28%	0.054%
337	20.333	20.230	20.345	VV	4234	212701	3.73%	0.089%
338	20.354	20.345	20.361	VV	4025	37202	0.65%	0.016%
339	20.392	20.361	20.403	VV	4952	110941	1.94%	0.046%
340	20.464	20.403	20.511	VV	5158	290825	5.10%	0.122%
341	20.637	20.511	20.647	VV	5601	373671	6.55%	0.156%
342	20.676	20.647	20.700	VV	5659	175491	3.08%	0.073%
343	20.712	20.700	20.717	VV	5486	55989	0.98%	0.023%
344	20.757	20.717	20.772	VV	6665	193144	3.38%	0.081%
345	20.870	20.772	20.916	VV	8228	634246	11.12%	0.265%
346	20.944	20.916	20.969	VV	7484	233423	4.09%	0.098%
347	21.061	20.969	21.071	VV	8248	455120	7.98%	0.191%
348	21.099	21.071	21.108	VV	7989	175132	3.07%	0.073%
349	21.135	21.108	21.215	VV	8570	492748	8.64%	0.206%
350	21.224	21.215	21.245	VV	6623	114535	2.01%	0.048%
351	21.316	21.245	21.325	VV	6834	305999	5.36%	0.128%

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352	21.389	21.325	21.397	VV	7170	299759	5.25%	0.125%
353	21.408	21.397	21.468	VV	7197	288102	5.05%	0.121%
354	21.522	21.468	21.610	VV	7245	519844	9.11%	0.218%
355	21.770	21.610	21.808	VV	5684	612752	10.74%	0.256%
356	21.817	21.808	21.961	VV	5094	353120	6.19%	0.148%
357	21.969	21.961	21.978	VV	2647	25823	0.45%	0.011%
358	22.022	21.978	22.031	VV	3029	86705	1.52%	0.036%
359	22.046	22.031	22.087	VV	3069	97467	1.71%	0.041%
360	22.139	22.087	22.291	VV	2994	219814	3.85%	0.092%
361	22.307	22.291	22.333	VV	323	5149	0.09%	0.002%

Sum of corrected areas: 238903986

Aliphatic EPH 020325.M Sat Feb 08 03:56:51 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-1	SDG No.:	Q1308
Lab Sample ID:	Q1308-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
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
FF015487.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	21.0	E	0.36	0.80	mg/kg
Aromatic C12-C16	Aromatic C12-C16	42.3	E	0.41	1.20	mg/kg
Aromatic C16-C21	Aromatic C16-C21	79.0	E	1.15	2.00	mg/kg
Aromatic C21-C36	Aromatic C21-C36	11.2		2.40	3.20	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.2		40 - 140	106%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	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:	Q1308-02	Acq On:	07 Feb 2025 12:05
Client Sample ID:	EX-6-TPH-1	Operator:	YP\AJ
Data file:	FF015487.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	36313777	262.91	200	ug/ml
Aromatic C12-C16	6.375	9.068	70961627	528.914	300	ug/ml
Aromatic C16-C21	9.069	13.385	121834442	988.912	500	ug/ml
Aromatic C21-C36	13.386	18.838	16517786	140.247	800	ug/ml
Aromatic EPH	4.505	18.838	245627632	1920		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	4734048	35.9		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	6322700	53.2		ug/ml
2-Flurobiphenyl (SURR)	8.872	8.872	3318916	43.7		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015487.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 12:05
Operator : YP\AJ
Sample : Q1308-02
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-1

Integration File: autoint1.e
Quant Time: Feb 10 00:33:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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...	7.997	6322700	53.197 ug/ml
Spiked Amount 50.000		Recovery = 106.39%	
6) S 2-Flurobiphenyl (SURR)	8.872	3318916	43.703 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 87.41%	
11) S ortho-Terphenyl (SURR)	11.935	4734048	35.896 ug/ml
Spiked Amount 50.000		Recovery = 71.79%	
Target Compounds			

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

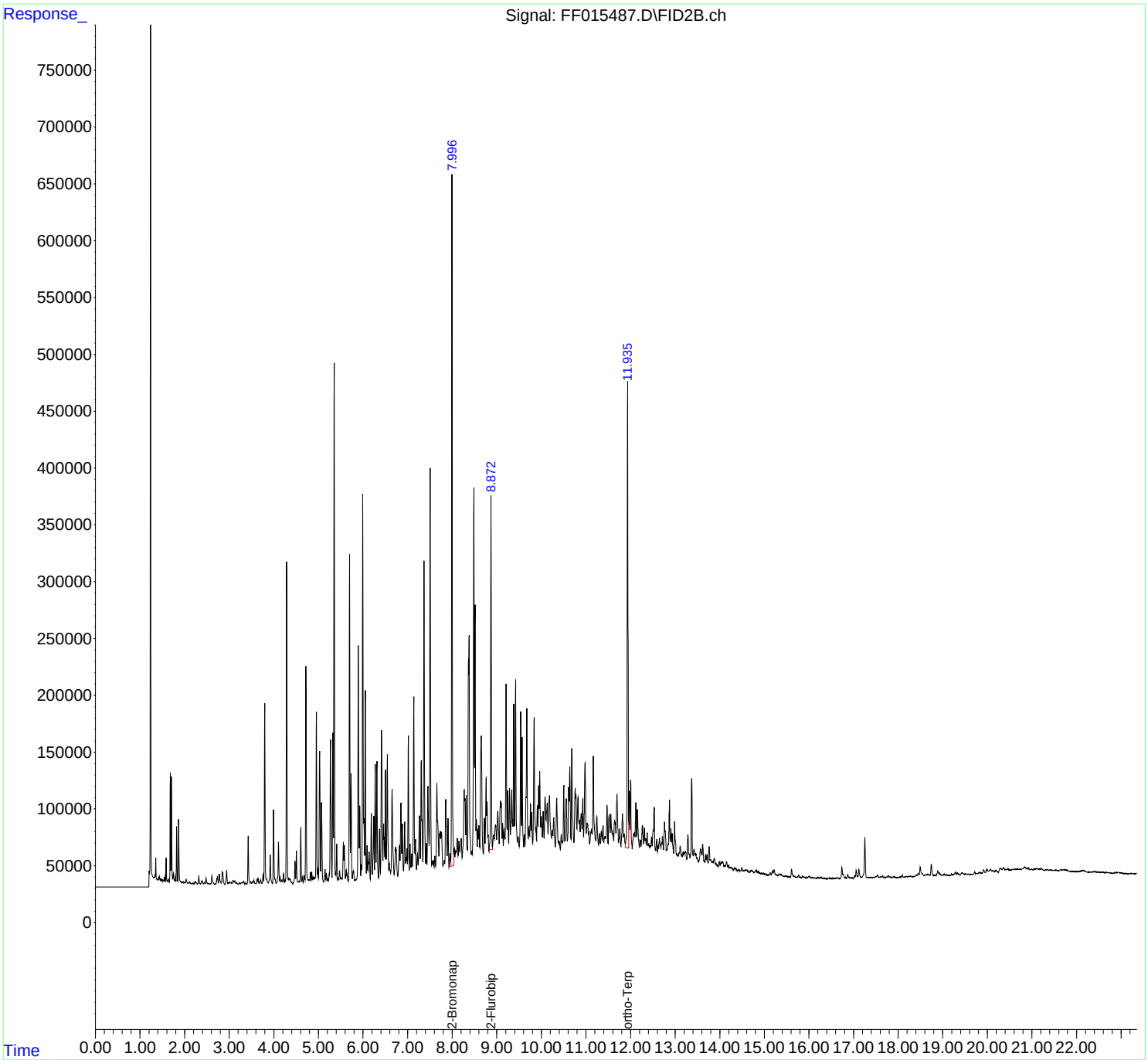
Quantitation Report (QT Reviewed)

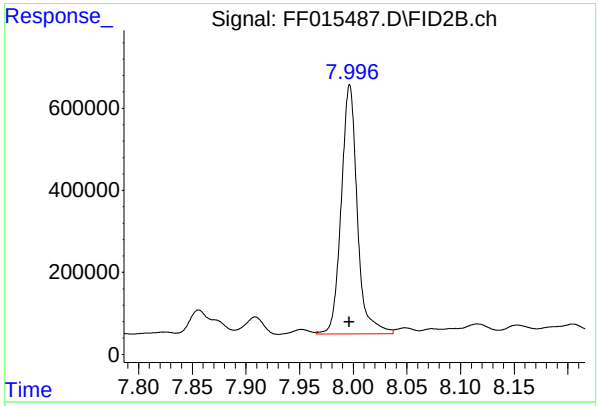
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015487.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 12:05
Operator : YP\AJ
Sample : Q1308-02
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-1

Integration File: autoint1.e
Quant Time: Feb 10 00:33:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

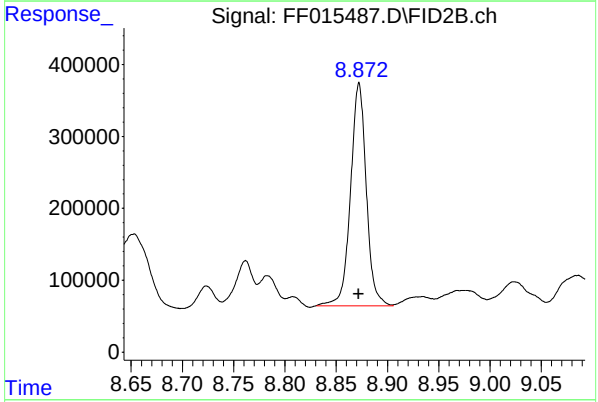




#4 2-Bromonaphthalene (SURR)

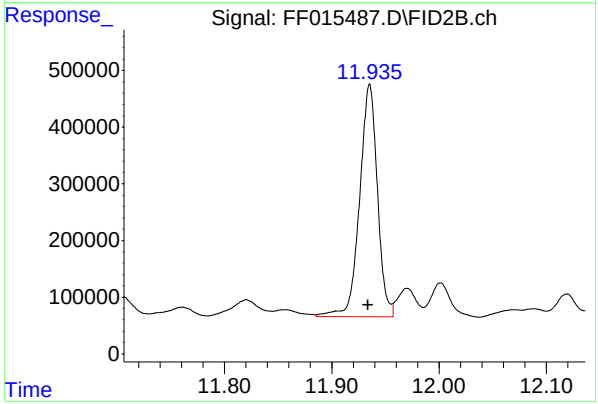
R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 6322700
Conc: 53.20 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-1



#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 3318916
Conc: 43.70 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.001 min
Response: 4734048
Conc: 35.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015487.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 12:05
Sample : Q1308-02
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.477	4.410	4.491	BV	19055	212850	3.07%	0.081%
2	4.508	4.491	4.537	VV	28195	299650	4.33%	0.114%
3	4.569	4.537	4.583	VV	1799	28042	0.40%	0.011%
4	4.605	4.583	4.628	VV	48800	488480	7.05%	0.185%
5	4.644	4.628	4.662	VV	5397	54849	0.79%	0.021%
6	4.681	4.662	4.700	PV	5984	89728	1.30%	0.034%
7	4.721	4.700	4.770	VV	190420	1971218	28.46%	0.748%
8	4.779	4.770	4.802	VV	2802	47254	0.68%	0.018%
9	4.823	4.802	4.838	VV	9220	110959	1.60%	0.042%
10	4.852	4.838	4.866	VV	9570	100808	1.46%	0.038%
11	4.877	4.866	4.896	VV	5049	71897	1.04%	0.027%
12	4.912	4.896	4.924	VV	4798	65604	0.95%	0.025%
13	4.955	4.924	4.977	VV	149977	1561811	22.55%	0.593%
14	4.986	4.977	5.002	VV	11932	130326	1.88%	0.049%
15	5.028	5.002	5.052	VV	115545	1613149	23.29%	0.612%
16	5.070	5.052	5.115	VV	70535	998052	14.41%	0.379%
17	5.150	5.115	5.166	VV	11775	142411	2.06%	0.054%
18	5.181	5.166	5.199	VV	8429	97274	1.40%	0.037%
19	5.211	5.199	5.225	VV	3424	38901	0.56%	0.015%
20	5.245	5.225	5.251	VV	8725	83458	1.20%	0.032%
21	5.271	5.251	5.305	VV	125481	1784212	25.76%	0.677%
22	5.324	5.305	5.337	VV	131858	1308526	18.89%	0.497%
23	5.354	5.337	5.380	VV	457132	4583654	66.17%	1.740%
24	5.386	5.380	5.395	VV	8412	69689	1.01%	0.026%
25	5.412	5.395	5.432	VV	33969	361058	5.21%	0.137%
26	5.447	5.432	5.459	VV	4179	53839	0.78%	0.020%
27	5.476	5.459	5.498	VV	10308	146520	2.12%	0.056%
28	5.512	5.498	5.532	VV	4566	72868	1.05%	0.028%
29	5.561	5.532	5.573	VV	35616	443720	6.41%	0.168%
30	5.583	5.573	5.605	VV	32435	350402	5.06%	0.133%
31	5.626	5.605	5.638	VV	11093	137580	1.99%	0.052%
32	5.645	5.638	5.664	VV	7579	77342	1.12%	0.029%
33	5.699	5.664	5.719	VV	289072	2958844	42.72%	1.123%
34	5.734	5.719	5.761	VV	95895	1050130	15.16%	0.399%
35	5.779	5.761	5.783	VV	9444	92866	1.34%	0.035%
36	5.791	5.783	5.813	VV	10070	109613	1.58%	0.042%

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37	5.834	5.813	5.846	VV	2638	42757	0.62%	0.016%
38	5.895	5.846	5.917	VV	208551	2394209	34.57%	0.909%
39	5.929	5.917	5.949	VV	67392	726196	10.48%	0.276%
40	5.965	5.949	5.974	VV	15805	177142	2.56%	0.067%
41	5.995	5.974	6.015	VV	341260	3609252	52.11%	1.370%
42	6.021	6.015	6.035	VV	56055	549240	7.93%	0.209%
43	6.052	6.035	6.076	VV	168750	1741689	25.14%	0.661%
44	6.093	6.076	6.107	VV	32281	362065	5.23%	0.137%
45	6.119	6.107	6.124	VV	17478	150804	2.18%	0.057%
46	6.138	6.124	6.164	VV	26683	401585	5.80%	0.152%
47	6.188	6.164	6.209	VV	60831	746861	10.78%	0.284%
48	6.243	6.209	6.258	VV	58553	832711	12.02%	0.316%
49	6.275	6.258	6.293	VV	103106	1100830	15.89%	0.418%
50	6.313	6.293	6.350	VV	106152	1338466	19.32%	0.508%
51	6.371	6.350	6.392	VV	46862	545236	7.87%	0.207%
52	6.416	6.392	6.447	VV	133616	2202178	31.79%	0.836%
53	6.462	6.447	6.472	VV	51473	574215	8.29%	0.218%
54	6.477	6.472	6.489	VV	39581	344105	4.97%	0.131%
55	6.504	6.489	6.522	VV	98655	1085168	15.67%	0.412%
56	6.547	6.522	6.579	VV	111937	1653273	23.87%	0.628%
57	6.590	6.579	6.621	VV	16491	302038	4.36%	0.115%
58	6.653	6.621	6.698	VV	82125	1493552	21.56%	0.567%
59	6.731	6.698	6.739	VV	30974	460396	6.65%	0.175%
60	6.745	6.739	6.781	VV	28489	409725	5.92%	0.156%
61	6.820	6.781	6.833	VV	32661	608346	8.78%	0.231%
62	6.852	6.833	6.870	VV	69854	1055805	15.24%	0.401%
63	6.883	6.870	6.908	VV	51111	678404	9.79%	0.258%
64	6.936	6.908	6.953	VV	52895	767335	11.08%	0.291%
65	6.963	6.953	6.972	VV	21724	229851	3.32%	0.087%
66	6.986	6.972	6.999	VV	29571	380350	5.49%	0.144%
67	7.017	6.999	7.039	VV	128433	1396989	20.17%	0.530%
68	7.056	7.039	7.076	VV	33498	478729	6.91%	0.182%
69	7.095	7.076	7.108	VV	24996	350223	5.06%	0.133%
70	7.140	7.108	7.166	VV	162956	2208801	31.89%	0.839%
71	7.178	7.166	7.199	VV	37338	503085	7.26%	0.191%
72	7.223	7.199	7.238	VV	24606	414693	5.99%	0.157%
73	7.266	7.238	7.287	VV	58436	1053561	15.21%	0.400%
74	7.307	7.287	7.343	VV	106685	1867529	26.96%	0.709%
75	7.370	7.343	7.405	VV	282118	3827003	55.25%	1.453%
76	7.420	7.405	7.435	VV	33956	441894	6.38%	0.168%
77	7.456	7.435	7.484	VV	84060	1483250	21.41%	0.563%
78	7.507	7.484	7.542	VV	364042	4364289	63.01%	1.657%
79	7.556	7.542	7.569	VV	17896	260369	3.76%	0.099%
80	7.581	7.569	7.595	VV	18706	263588	3.81%	0.100%
81	7.612	7.595	7.628	VV	22750	351585	5.08%	0.133%
82	7.658	7.628	7.704	VV	86224	1996858	28.83%	0.758%
83	7.719	7.704	7.726	VV	42596	466185	6.73%	0.177%
84	7.736	7.726	7.746	VV	44421	507141	7.32%	0.193%
85	7.764	7.746	7.794	VV	43948	901677	13.02%	0.342%
86	7.824	7.794	7.835	VV	18781	404489	5.84%	0.154%
87	7.856	7.835	7.889	VV	72644	1408920	20.34%	0.535%
88	7.909	7.889	7.930	VV	55706	830626	11.99%	0.315%
89	7.952	7.930	7.965	VV	25020	407283	5.88%	0.155%

90	7.997	7.965	8.037	VV	622126	6926685	100.00%	2.630%
91	8.049	8.037	8.062	VV	28949	382265	5.52%	0.145%
92	8.073	8.062	8.081	VV	26700	291722	4.21%	0.111%
93	8.116	8.081	8.136	VV	38353	976093	14.09%	0.371%
94	8.153	8.136	8.171	VV	35449	642754	9.28%	0.244%
95	8.205	8.171	8.224	VV	38109	978728	14.13%	0.372%
96	8.269	8.224	8.284	VV	81039	1748946	25.25%	0.664%
97	8.288	8.284	8.303	VV	73114	705462	10.18%	0.268%
98	8.315	8.303	8.334	VV	75755	981801	14.17%	0.373%
99	8.338	8.334	8.343	VV	29313	149750	2.16%	0.057%
100	8.366	8.343	8.371	VV	196120	1934302	27.93%	0.734%
101	8.380	8.371	8.425	VV	217148	2933392	42.35%	1.114%
102	8.442	8.425	8.453	VV	26624	414273	5.98%	0.157%
103	8.487	8.453	8.502	VV	346355	4416824	63.77%	1.677%
104	8.515	8.502	8.535	VV	243509	2760127	39.85%	1.048%
105	8.545	8.535	8.564	VV	54550	808058	11.67%	0.307%
106	8.576	8.564	8.587	VV	46292	534436	7.72%	0.203%
107	8.600	8.587	8.619	VV	49325	799637	11.54%	0.304%
108	8.653	8.619	8.699	VV	127870	3433070	49.56%	1.303%
109	8.723	8.699	8.739	VV	55712	933262	13.47%	0.354%
110	8.762	8.739	8.773	VV	91259	1315022	18.98%	0.499%
111	8.783	8.773	8.801	VV	70181	940089	13.57%	0.357%
112	8.808	8.801	8.825	VV	40792	505187	7.29%	0.192%
113	8.872	8.825	8.905	VV	338517	4664372	67.34%	1.771%
114	8.934	8.905	8.946	VV	40898	918780	13.26%	0.349%
115	8.975	8.946	8.997	VV	49622	1383334	19.97%	0.525%
116	9.024	8.997	9.055	VV	61425	1640805	23.69%	0.623%
117	9.085	9.055	9.095	VV	70275	1365416	19.71%	0.518%
118	9.102	9.095	9.121	VV	68882	900539	13.00%	0.342%
119	9.133	9.121	9.148	VV	50949	696103	10.05%	0.264%
120	9.163	9.148	9.187	VV	45788	913501	13.19%	0.347%
121	9.210	9.187	9.231	VV	173710	2517208	36.34%	0.956%
122	9.246	9.231	9.267	VV	80019	1241803	17.93%	0.471%
123	9.288	9.267	9.308	VV	81604	1418597	20.48%	0.539%
124	9.336	9.308	9.350	VV	80815	1494393	21.57%	0.567%
125	9.357	9.350	9.364	VV	53267	414160	5.98%	0.157%
126	9.382	9.364	9.399	VV	156220	1979869	28.58%	0.752%
127	9.423	9.399	9.464	VV	177227	3145314	45.41%	1.194%
128	9.482	9.464	9.502	VV	39063	823915	11.89%	0.313%
129	9.539	9.502	9.555	VV	149331	2338213	33.76%	0.888%
130	9.571	9.555	9.605	VV	126488	1958024	28.27%	0.743%
131	9.619	9.605	9.634	VV	41180	633349	9.14%	0.240%
132	9.675	9.634	9.706	VV	151988	3247575	46.88%	1.233%
133	9.721	9.706	9.737	VV	48004	778509	11.24%	0.296%
134	9.759	9.737	9.772	VV	68087	1112257	16.06%	0.422%
135	9.784	9.772	9.807	VV	60505	978092	14.12%	0.371%
136	9.838	9.807	9.872	VV	143496	2838737	40.98%	1.078%
137	9.879	9.872	9.893	VV	46502	552199	7.97%	0.210%
138	9.911	9.893	9.924	VV	66419	997500	14.40%	0.379%
139	9.940	9.924	9.951	VV	84009	1109783	16.02%	0.421%
140	9.965	9.951	9.986	VV	96331	1519481	21.94%	0.577%
141	10.001	9.986	10.025	VV	56732	1131029	16.33%	0.429%

142	10.041	10.025	10.062	VV	61249	1113372	16.07%	0.423%
143	10.085	10.062	10.107	VV	74484	1589484	22.95%	0.604%
144	10.132	10.107	10.151	VV	68611	1527409	22.05%	0.580%
145	10.184	10.151	10.227	VV	74871	2565464	37.04%	0.974%
146	10.244	10.227	10.259	VV	44244	796890	11.50%	0.303%
147	10.279	10.259	10.314	VV	55642	1428267	20.62%	0.542%
148	10.345	10.314	10.393	VV	72782	2210252	31.91%	0.839%
149	10.403	10.393	10.427	VV	34807	640165	9.24%	0.243%
150	10.448	10.427	10.460	VV	40543	712544	10.29%	0.271%
151	10.468	10.460	10.480	VV	35414	401651	5.80%	0.153%
152	10.504	10.480	10.527	VV	83908	1493238	21.56%	0.567%
153	10.559	10.527	10.585	VV	72247	1730896	24.99%	0.657%
154	10.613	10.585	10.625	VV	82467	1416446	20.45%	0.538%
155	10.639	10.625	10.664	VV	100052	1720162	24.83%	0.653%
156	10.684	10.664	10.731	VV	116443	2524241	36.44%	0.958%
157	10.759	10.731	10.798	VV	80765	2494033	36.01%	0.947%
158	10.821	10.798	10.847	VV	73527	1723820	24.89%	0.655%
159	10.857	10.847	10.872	VV	52976	740372	10.69%	0.281%
160	10.895	10.872	10.912	VV	59286	1240482	17.91%	0.471%
161	10.929	10.912	10.948	VV	71861	1206558	17.42%	0.458%
162	10.981	10.948	11.007	VV	104011	2432745	35.12%	0.924%
163	11.033	11.007	11.056	VV	50676	1372846	19.82%	0.521%
164	11.064	11.056	11.081	VV	43275	595736	8.60%	0.226%
165	11.127	11.081	11.139	VV	45085	1377948	19.89%	0.523%
166	11.166	11.139	11.220	VV	109582	2771773	40.02%	1.052%
167	11.244	11.220	11.281	VV	56447	1557640	22.49%	0.591%
168	11.302	11.281	11.324	VV	41132	932192	13.46%	0.354%
169	11.345	11.324	11.364	VV	42858	914677	13.21%	0.347%
170	11.383	11.364	11.402	VV	48362	940204	13.57%	0.357%
171	11.439	11.402	11.450	VV	38564	1073955	15.50%	0.408%
172	11.474	11.450	11.496	VV	66313	1393871	20.12%	0.529%
173	11.524	11.496	11.545	VV	57799	1417493	20.46%	0.538%
174	11.560	11.545	11.584	VV	58384	1159742	16.74%	0.440%
175	11.593	11.584	11.622	VV	42960	928260	13.40%	0.352%
176	11.642	11.622	11.672	VV	53187	1403803	20.27%	0.533%
177	11.696	11.672	11.730	VV	75275	1923265	27.77%	0.730%
178	11.760	11.730	11.784	VV	45437	1229222	17.75%	0.467%
179	11.820	11.784	11.845	VV	58685	1575325	22.74%	0.598%
180	11.856	11.845	11.885	VV	40906	883694	12.76%	0.336%
181	11.935	11.885	11.956	VV	439385	5945779	85.84%	2.258%
182	11.970	11.956	11.986	VV	78410	1116853	16.12%	0.424%
183	12.001	11.986	12.038	VV	88326	1632955	23.57%	0.620%
184	12.072	12.038	12.077	VV	40650	853659	12.32%	0.324%
185	12.088	12.077	12.100	VV	42295	556008	8.03%	0.211%
186	12.119	12.100	12.136	VV	68263	1124973	16.24%	0.427%
187	12.153	12.136	12.199	VV	62398	1648283	23.80%	0.626%
188	12.221	12.199	12.237	VV	35434	735649	10.62%	0.279%
189	12.264	12.237	12.288	VV	47981	1187223	17.14%	0.451%
190	12.308	12.288	12.325	VV	45959	882403	12.74%	0.335%
191	12.336	12.325	12.356	VV	36840	627104	9.05%	0.238%
192	12.373	12.356	12.393	VV	41902	804697	11.62%	0.306%
193	12.409	12.393	12.432	VV	32260	699363	10.10%	0.266%
194	12.445	12.432	12.455	VV	30373	415792	6.00%	0.158%

195	12.471	12.455	12.487	VV	38116	642330	9.27%	0.244%
196	12.508	12.487	12.513	VV	44277	623956	9.01%	0.237%
197	12.530	12.513	12.560	VV	64403	1217091	17.57%	0.462%
198	12.587	12.560	12.606	VV	36021	849065	12.26%	0.322%
199	12.622	12.606	12.632	VV	30423	436965	6.31%	0.166%
200	12.650	12.632	12.682	VV	36776	961363	13.88%	0.365%
201	12.696	12.682	12.701	VV	32420	344731	4.98%	0.131%
202	12.715	12.701	12.739	VV	38432	753398	10.88%	0.286%
203	12.761	12.739	12.801	VV	51029	1418189	20.47%	0.538%
204	12.844	12.801	12.848	VV	31794	809282	11.68%	0.307%
205	12.871	12.848	12.891	VV	70296	1239950	17.90%	0.471%
206	12.907	12.891	12.922	VV	45219	746739	10.78%	0.284%
207	12.935	12.922	12.965	VV	40770	827897	11.95%	0.314%
208	12.988	12.965	13.031	VV	51641	1351632	19.51%	0.513%
209	13.042	13.031	13.072	VV	23224	536204	7.74%	0.204%
210	13.112	13.072	13.160	VV	29676	1255014	18.12%	0.477%
211	13.180	13.160	13.194	VV	24921	472283	6.82%	0.179%
212	13.230	13.194	13.260	VV	25244	903794	13.05%	0.343%
213	13.285	13.260	13.333	VV	39655	1135981	16.40%	0.431%
214	13.370	13.333	13.405	VV	89264	1757913	25.38%	0.667%
215	13.422	13.405	13.450	VV	26542	648237	9.36%	0.246%
216	13.461	13.450	13.486	VV	23178	463949	6.70%	0.176%
217	13.494	13.486	13.528	VV	19310	447804	6.46%	0.170%
218	13.573	13.528	13.600	VV	26692	964110	13.92%	0.366%
219	13.617	13.600	13.664	VV	31292	833923	12.04%	0.317%
220	13.683	13.664	13.697	VV	22312	379673	5.48%	0.144%
221	13.714	13.697	13.738	VV	21949	467756	6.75%	0.178%
222	13.762	13.738	13.782	VV	29173	573313	8.28%	0.218%
223	13.791	13.782	13.826	VV	17857	444786	6.42%	0.169%
224	13.838	13.826	13.852	VV	16091	243806	3.52%	0.093%
225	13.877	13.852	13.902	VV	18844	490891	7.09%	0.186%
226	13.914	13.902	13.937	VV	14490	282820	4.08%	0.107%
227	13.948	13.937	13.964	VV	12872	198539	2.87%	0.075%
228	13.988	13.964	14.008	VV	15942	371469	5.36%	0.141%
229	14.027	14.008	14.044	VV	15681	309805	4.47%	0.118%
230	14.063	14.044	14.100	VV	15996	477028	6.89%	0.181%
231	14.112	14.100	14.125	VV	12261	181689	2.62%	0.069%
232	14.152	14.125	14.180	VV	15727	440809	6.36%	0.167%
233	14.196	14.180	14.217	VV	12856	261364	3.77%	0.099%
234	14.235	14.217	14.251	VV	10975	218209	3.15%	0.083%
235	14.256	14.251	14.304	VV	10711	307446	4.44%	0.117%
236	14.330	14.304	14.376	VV	10433	402548	5.81%	0.153%
237	14.381	14.376	14.402	VV	8437	128397	1.85%	0.049%
238	14.435	14.402	14.456	VV	8784	264219	3.81%	0.100%
239	14.466	14.456	14.472	VV	7852	74880	1.08%	0.028%
240	14.495	14.472	14.518	VV	10313	245286	3.54%	0.093%
241	14.537	14.518	14.544	VV	7908	119678	1.73%	0.045%
242	14.562	14.544	14.572	VV	8208	131909	1.90%	0.050%
243	14.589	14.572	14.608	VV	8643	181049	2.61%	0.069%
244	14.615	14.608	14.669	VV	8134	255762	3.69%	0.097%
245	14.701	14.669	14.705	VV	7913	156330	2.26%	0.059%
246	14.710	14.705	14.770	VV	7914	276542	3.99%	0.105%

247	14.807	14.770	14.812	VV	7761	173432	2.50%	0.066%
248	14.819	14.812	14.840	VV	7894	123198	1.78%	0.047%
249	14.860	14.840	14.881	VV	7531	161031	2.32%	0.061%
250	14.895	14.881	14.924	VV	6094	143119	2.07%	0.054%
251	14.929	14.924	14.935	VV	5299	36120	0.52%	0.014%
252	14.938	14.935	14.958	VV	5269	69675	1.01%	0.026%
253	14.979	14.958	15.004	VV	5727	141591	2.04%	0.054%
254	15.017	15.004	15.039	VV	4770	96261	1.39%	0.037%
255	15.049	15.039	15.055	VV	4303	40435	0.58%	0.015%
256	15.059	15.055	15.089	VV	4211	80132	1.16%	0.030%
257	15.092	15.089	15.106	VV	3932	40314	0.58%	0.015%
258	15.130	15.106	15.154	VV	5839	134927	1.95%	0.051%
259	15.177	15.154	15.198	VV	7520	158174	2.28%	0.060%
260	15.217	15.198	15.256	VV	8453	211092	3.05%	0.080%
261	15.261	15.256	15.268	VV	4207	29148	0.42%	0.011%
262	15.275	15.268	15.294	VV	4021	58891	0.85%	0.022%
263	15.330	15.294	15.352	VV	4280	134005	1.93%	0.051%
264	15.369	15.352	15.409	VV	4373	127718	1.84%	0.048%
265	15.413	15.409	15.437	VV	3073	48340	0.70%	0.018%
266	15.456	15.437	15.462	VV	2752	38579	0.56%	0.015%
267	15.481	15.462	15.512	VV	3206	84328	1.22%	0.032%
268	15.520	15.512	15.559	VV	2461	61826	0.89%	0.023%
269	15.609	15.559	15.675	VV	8840	263922	3.81%	0.100%
270	15.681	15.675	15.724	VV	2384	55256	0.80%	0.021%
271	15.768	15.724	15.793	VV	3769	95328	1.38%	0.036%
272	15.801	15.793	15.828	VV	1768	31573	0.46%	0.012%
273	15.853	15.828	15.875	VV	2869	57977	0.84%	0.022%
274	15.887	15.875	15.920	VV	1992	42515	0.61%	0.016%
275	15.937	15.920	15.952	VV	1678	27552	0.40%	0.010%
276	15.962	15.952	15.973	VV	1503	18431	0.27%	0.007%
277	16.010	15.973	16.062	VV	2487	96059	1.39%	0.036%
278	16.078	16.062	16.097	VV	1412	25392	0.37%	0.010%
279	16.106	16.097	16.117	VV	1055	11491	0.17%	0.004%
280	16.142	16.117	16.165	VV	1096	26896	0.39%	0.010%
281	16.211	16.165	16.231	VV	1138	37800	0.55%	0.014%
282	16.251	16.231	16.269	VV	1401	25372	0.37%	0.010%
283	16.281	16.269	16.334	VV	1305	31307	0.45%	0.012%
284	16.352	16.334	16.379	VV	561	9883	0.14%	0.004%
285	16.387	16.379	16.409	VV	313	3572	0.05%	0.001%
286	16.455	16.409	16.476	PV	791	18915	0.27%	0.007%
287	16.495	16.476	16.513	VV	453	5032	0.07%	0.002%
288	16.553	16.513	16.582	VV	739	15716	0.23%	0.006%
289	16.654	16.582	16.680	VV	845	30656	0.44%	0.012%
290	16.736	16.680	16.807	VV	10069	225937	3.26%	0.086%
291	16.817	16.807	16.843	VV	1122	17140	0.25%	0.007%
292	16.868	16.843	16.899	VV	3632	61321	0.89%	0.023%
293	16.905	16.899	16.921	VV	927	11329	0.16%	0.004%
294	16.932	16.921	16.949	VV	810	10802	0.16%	0.004%
295	16.966	16.949	16.985	VV	652	9560	0.14%	0.004%
296	17.028	16.985	17.037	VV	2415	33624	0.49%	0.013%
297	17.058	17.037	17.089	VV	7475	120897	1.75%	0.046%
298	17.118	17.089	17.185	VV	7728	163882	2.37%	0.062%
299	17.252	17.185	17.317	VV	35885	579606	8.37%	0.220%

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300	17.333	17.317	17.357	VV	790	14061	0.20%	0.005%
301	17.369	17.357	17.380	VV	658	8358	0.12%	0.003%
302	17.393	17.380	17.419	VV	738	12526	0.18%	0.005%
303	17.443	17.419	17.463	VV	758	13306	0.19%	0.005%
304	17.488	17.463	17.497	VV	1168	17508	0.25%	0.007%
305	17.538	17.497	17.570	VV	2406	62139	0.90%	0.024%
306	17.618	17.570	17.634	VV	1300	29040	0.42%	0.011%
307	17.652	17.634	17.690	VV	1447	26305	0.38%	0.010%
308	17.705	17.690	17.724	VV	378	6327	0.09%	0.002%
309	17.776	17.724	17.810	VV	1951	48456	0.70%	0.018%
310	17.827	17.810	17.864	VV	785	14704	0.21%	0.006%
311	17.899	17.864	17.954	VV	839	22865	0.33%	0.009%
312	17.967	17.954	17.975	VV	199	1527	0.02%	0.001%
313	17.988	17.975	18.012	VV	355	3217	0.05%	0.001%
314	18.092	18.012	18.119	PV	1814	34756	0.50%	0.013%
315	18.136	18.119	18.145	VV	241	2016	0.03%	0.001%
316	18.184	18.145	18.204	VV	661	12524	0.18%	0.005%
317	18.240	18.204	18.257	VV	638	13547	0.20%	0.005%
318	18.276	18.257	18.292	VV	717	10380	0.15%	0.004%
319	18.310	18.292	18.339	VV	470	7280	0.11%	0.003%
320	18.361	18.339	18.382	VV	409	6607	0.10%	0.003%
321	18.404	18.382	18.427	VV	1753	30866	0.45%	0.012%
322	18.449	18.427	18.469	VV	2982	51783	0.75%	0.020%
323	18.494	18.469	18.530	VV	8241	166347	2.40%	0.063%
324	18.538	18.530	18.577	VV	2549	42468	0.61%	0.016%
325	18.628	18.577	18.652	VV	1328	48174	0.70%	0.018%
326	18.661	18.652	18.682	VV	1415	21645	0.31%	0.008%
327	18.694	18.682	18.714	VV	950	13901	0.20%	0.005%
328	18.742	18.714	18.800	VBA	10492	174048	2.51%	0.066%

Sum of corrected areas: 263377312

Aromatic EPH 020525.M Fri Feb 07 12:17:27 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-1DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-02DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
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
FE052297.D	5	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		24.4		2.28	5.99	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		64.3		1.44	4.00	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		51.8		1.80	5.99	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		8.82		4.80	7.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.64	J	10.8	12.0	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		5.84		40 - 140	58%	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:	Q1308-02DL	Acq On:	07 Feb 2025 19:27
Client Sample ID:	EX-6-TPH-1DL	Operator:	YP\AJ
Data file:	FE052297.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	5873937	61.07	300	ug/ml
Aliphatic C12-C16	7.236	10.639	16840134	160.82	200	ug/ml
Aliphatic C16-C21	10.640	13.984	14662266	129.729	300	ug/ml
Aliphatic C21-C28	13.985	17.628	2516165	22.072	400	ug/ml
Aliphatic C28-C40	17.629	22.712	1750898	19.124	600	ug/ml
Aliphatic EPH	3.679	22.712	41643400	392.815		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.715	13.715	576452	5.84		ug/ml
Aliphatic C9-C28	3.679	17.628	39892502	373.691	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052297.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 19:27
Operator : YP\AJ
Sample : Q1308-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:26:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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...	13.715	576452	5.841 ug/mlm
Spiked Amount 50.000		Recovery = 11.68%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052297.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 19:27
Operator : YP\AJ
Sample : Q1308-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

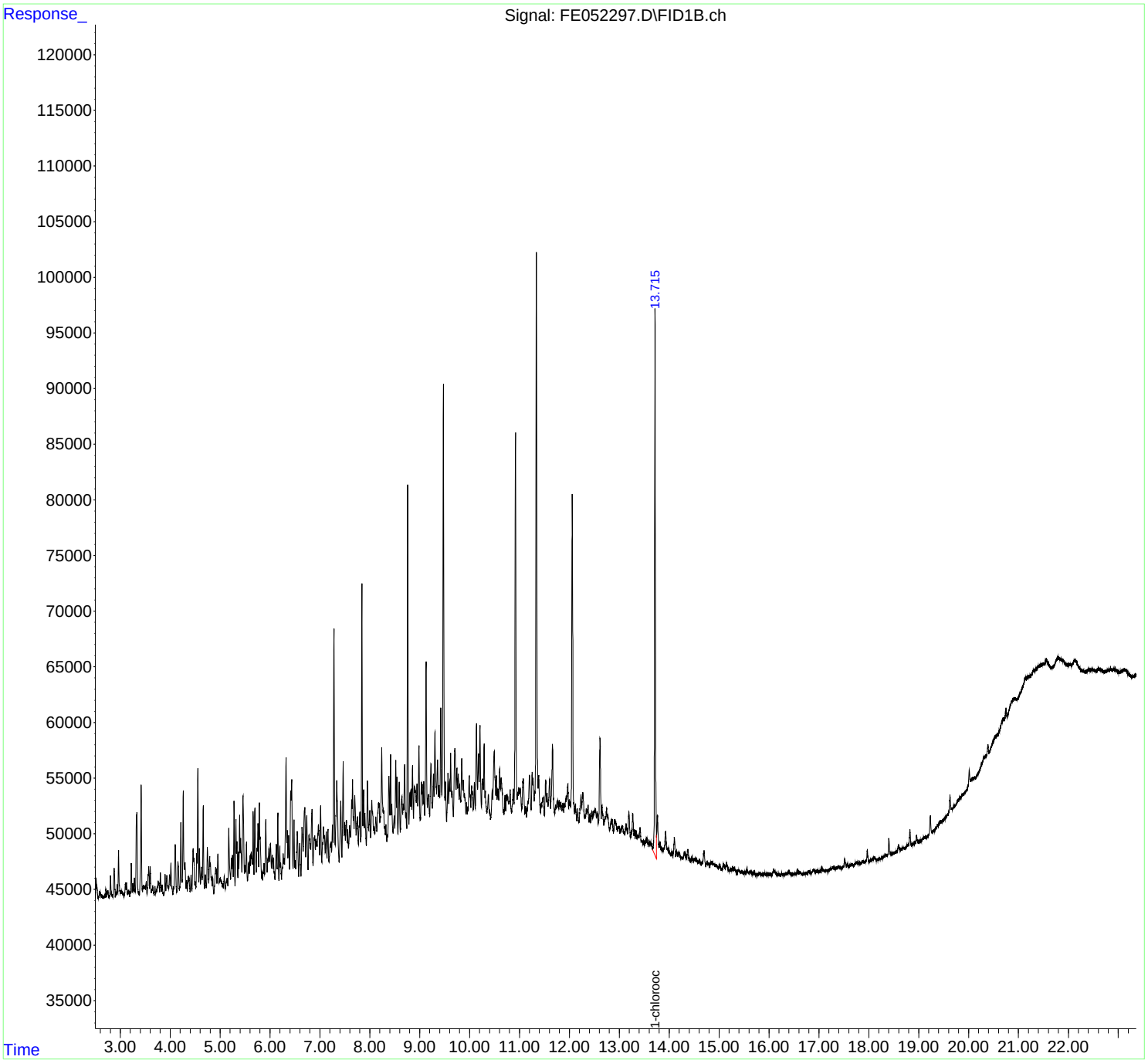
Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1DL

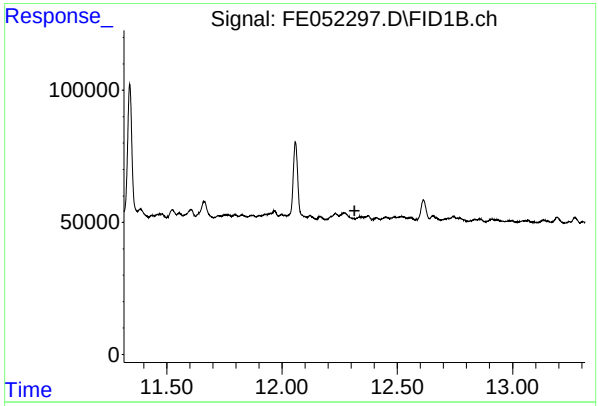
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:26:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





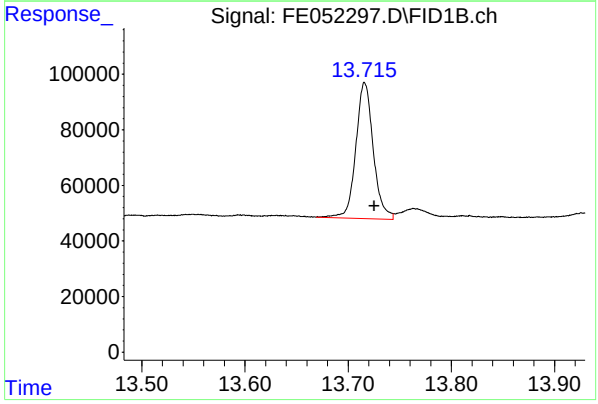
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.715 min
Delta R.T.: -0.010 min
Response: 576452
Conc: 5.84 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052297.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 19:27
Sample : Q1308-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.205	3.236	PH	2477	19903	1.93%	0.047%
2	3.249	3.236	3.266	PV	637	6326	0.61%	0.015%
3	3.283	3.266	3.299	VH	1137	10321	1.00%	0.025%
4	3.330	3.299	3.385	HH	6955	110459	10.70%	0.263%
5	3.418	3.385	3.444	PH	9496	103582	10.03%	0.247%
6	3.464	3.444	3.484	HH	459	8540	0.83%	0.020%
7	3.495	3.484	3.504	HH	428	4288	0.42%	0.010%
8	3.519	3.504	3.536	HH	853	8029	0.78%	0.019%
9	3.569	3.536	3.584	PH	2229	31229	3.02%	0.074%
10	3.599	3.584	3.621	HH	2124	22302	2.16%	0.053%
11	3.650	3.621	3.677	PH	407	3164	0.31%	0.008%
12	3.695	3.677	3.709	PH	407	758	0.07%	0.002%
13	3.757	3.709	3.787	PH	932	17461	1.69%	0.042%
14	3.804	3.787	3.821	HH	1648	14760	1.43%	0.035%
15	3.839	3.821	3.873	HH	526	1989	0.19%	0.005%
16	3.898	3.873	3.913	PH	1441	10324	1.00%	0.025%
17	3.932	3.913	3.970	HH	1388	23210	2.25%	0.055%
18	3.986	3.970	3.998	HH	1445	14305	1.39%	0.034%
19	4.013	3.998	4.053	HH	2446	27621	2.67%	0.066%
20	4.102	4.053	4.130	PH	4147	63842	6.18%	0.152%
21	4.157	4.130	4.184	PH	2651	40708	3.94%	0.097%
22	4.214	4.184	4.241	HH	6140	70082	6.79%	0.167%
23	4.261	4.241	4.288	HH	9009	110750	10.72%	0.264%
24	4.297	4.288	4.316	HH	2537	27684	2.68%	0.066%
25	4.328	4.316	4.343	HH	976	9208	0.89%	0.022%
26	4.361	4.343	4.400	HH	1270	25038	2.42%	0.060%
27	4.417	4.400	4.432	HH	1378	11638	1.13%	0.028%
28	4.459	4.432	4.513	HH	3872	83770	8.11%	0.200%
29	4.554	4.513	4.572	HH	11030	148269	14.36%	0.353%
30	4.585	4.572	4.607	HH	3846	43686	4.23%	0.104%
31	4.623	4.607	4.640	HH	2113	28649	2.77%	0.068%
32	4.662	4.640	4.687	HH	7677	87097	8.43%	0.208%
33	4.706	4.687	4.724	HH	1374	17711	1.71%	0.042%
34	4.746	4.724	4.773	HH	3986	62105	6.01%	0.148%
35	4.791	4.773	4.843	HH	3079	73522	7.12%	0.175%
36	4.853	4.843	4.873	HH	1069	9597	0.93%	0.023%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

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37	4.912	4.873	4.937	PH	2140	45172	4.37%	0.108%
38	4.955	4.937	4.978	HH	3364	45531	4	
39	5.004	4.978	5.045	HH	1209	36663	3	
40	5.055	5.045	5.066	HH	694	6502	0	
41	5.082	5.066	5.105	HH	1337	18001	1	
42	5.141	5.105	5.154	HH	1197	23459	2	
43	5.174	5.154	5.210	HH	5617	88714	8.59%	0.211%
44	5.248	5.210	5.263	HH	3231	73751	7.14%	0.176%
45	5.280	5.263	5.299	HH	8030	81205	7.86%	0.193%
46	5.317	5.299	5.329	HH	6392	67939	6.58%	0.162%
47	5.338	5.329	5.355	HH	4448	52106	5.05%	0.124%
48	5.368	5.355	5.377	HH	3527	33662	3.26%	0.080%
49	5.391	5.377	5.403	HH	6765	70940	6.87%	0.169%
50	5.411	5.403	5.437	HH	4753	71630	6.94%	0.171%
51	5.459	5.437	5.488	HH	8635	155160	15.02%	0.370%
52	5.500	5.488	5.509	HH	2289	25714	2.49%	0.061%
53	5.528	5.509	5.549	HH	4407	62036	6.01%	0.148%
54	5.572	5.549	5.586	HH	2566	40948	3.96%	0.098%
55	5.602	5.586	5.612	HH	3196	37498	3.63%	0.089%
56	5.626	5.612	5.647	HH	3582	65352	6.33%	0.156%
57	5.662	5.647	5.679	HH	7139	78772	7.63%	0.188%
58	5.697	5.679	5.725	HH	7384	113023	10.94%	0.269%
59	5.760	5.725	5.772	HH	6067	111221	10.77%	0.265%
60	5.786	5.772	5.832	HH	7983	150571	14.58%	0.359%
61	5.841	5.832	5.852	HH	1786	17836	1.73%	0.042%
62	5.880	5.852	5.894	HH	2493	45771	4.43%	0.109%
63	5.916	5.894	5.943	HH	6456	106548	10.32%	0.254%
64	5.977	5.943	5.991	HH	3731	84582	8.19%	0.202%
65	6.009	5.991	6.028	HH	4278	74252	7.19%	0.177%
66	6.044	6.028	6.060	HH	3235	51525	4.99%	0.123%
67	6.071	6.060	6.100	HH	2975	48933	4.74%	0.117%
68	6.127	6.100	6.141	HH	4156	69068	6.69%	0.165%
69	6.157	6.141	6.178	HH	6985	84712	8.20%	0.202%
70	6.195	6.178	6.231	HH	3992	75725	7.33%	0.180%
71	6.265	6.231	6.275	HH	3371	61469	5.95%	0.146%
72	6.284	6.275	6.293	HH	2988	29502	2.86%	0.070%
73	6.322	6.293	6.359	HH	12033	237490	23.00%	0.566%
74	6.373	6.359	6.392	HH	5057	72535	7.02%	0.173%
75	6.416	6.392	6.423	HH	9015	111861	10.83%	0.267%
76	6.434	6.423	6.465	HH	10034	149668	14.49%	0.357%
77	6.482	6.465	6.517	HH	6431	106867	10.35%	0.255%
78	6.548	6.517	6.575	HH	5314	121346	11.75%	0.289%
79	6.596	6.575	6.621	HH	4261	81136	7.86%	0.193%
80	6.643	6.621	6.666	HH	5641	107332	10.39%	0.256%
81	6.697	6.666	6.715	HH	7553	171143	16.57%	0.408%
82	6.737	6.715	6.763	HH	6788	128042	12.40%	0.305%
83	6.782	6.763	6.818	HH	5044	135603	13.13%	0.323%
84	6.841	6.818	6.863	HH	7322	140515	13.61%	0.335%
85	6.897	6.863	6.911	HH	5013	118482	11.47%	0.282%
86	6.922	6.911	6.945	HH	4637	87911	8.51%	0.209%
87	6.971	6.945	6.995	HH	5977	147614	14.29%	0.352%
88	7.015	6.995	7.038	HH	7641	128225	12.42%	0.306%
89	7.072	7.038	7.107	HH	5788	184516	17.87%	0.440%

Instrument :
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EX-6-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

					rteres			
90	7.127	7.107	7.143	HH	5346	92505	8.96%	0.220%
91	7.162	7.143	7.181	HH	5541	96554	9	
92	7.224	7.181	7.236	HH	4447	125315	12	
93	7.252	7.236	7.263	HH	5902	79211	7	
94	7.283	7.263	7.306	HH	23389	289364	28	
95	7.339	7.306	7.386	HH	9880	297265	28	
96	7.419	7.386	7.442	HH	8048	173592	16.81%	0.414%
97	7.467	7.442	7.485	HH	11656	183289	17.75%	0.437%
98	7.498	7.485	7.512	HH	6176	87059	8.43%	0.207%
99	7.531	7.512	7.548	HH	6238	120406	11.66%	0.287%
100	7.558	7.548	7.573	HH	5503	72790	7.05%	0.173%
101	7.596	7.573	7.615	HH	5874	125406	12.14%	0.299%
102	7.655	7.615	7.685	HH	9989	302884	29.33%	0.722%
103	7.700	7.685	7.728	HH	8480	175185	16.96%	0.417%
104	7.753	7.728	7.771	HH	6687	149153	14.44%	0.355%
105	7.801	7.771	7.819	HH	7165	161447	15.63%	0.385%
106	7.843	7.819	7.861	HH	27568	327860	31.75%	0.781%
107	7.877	7.861	7.892	HH	9112	138868	13.45%	0.331%
108	7.902	7.892	7.931	HH	7004	133476	12.92%	0.318%
109	7.954	7.931	7.978	HH	9739	196958	19.07%	0.469%
110	8.000	7.978	8.018	HH	7283	147581	14.29%	0.352%
111	8.041	8.018	8.076	HH	8153	228814	22.16%	0.545%
112	8.084	8.076	8.101	HH	5804	83969	8.13%	0.200%
113	8.122	8.101	8.143	HH	6664	148764	14.40%	0.354%
114	8.173	8.143	8.201	HH	7879	247036	23.92%	0.589%
115	8.241	8.201	8.312	HH	12898	505262	48.92%	1.204%
116	8.324	8.312	8.342	HH	5998	97242	9.42%	0.232%
117	8.385	8.342	8.403	HH	10312	255548	24.74%	0.609%
118	8.418	8.403	8.468	HH	12248	303395	29.38%	0.723%
119	8.491	8.468	8.503	HH	6757	129396	12.53%	0.308%
120	8.522	8.503	8.536	HH	11725	178703	17.30%	0.426%
121	8.547	8.536	8.564	HH	10265	134759	13.05%	0.321%
122	8.590	8.564	8.612	HH	9809	212165	20.54%	0.505%
123	8.643	8.612	8.659	HH	8531	205779	19.93%	0.490%
124	8.673	8.659	8.680	HH	7812	94874	9.19%	0.226%
125	8.699	8.680	8.738	HH	11350	286270	27.72%	0.682%
126	8.805	8.786	8.819	HH	8804	155379	15.05%	0.370%
127	8.831	8.819	8.842	HH	9138	115166	11.15%	0.274%
128	8.857	8.842	8.877	HH	11232	192459	18.64%	0.459%
129	8.894	8.877	8.931	HH	9338	280660	27.18%	0.669%
130	8.947	8.931	8.963	HH	9692	164758	15.95%	0.393%
131	8.986	8.963	9.013	HH	13105	276026	26.73%	0.658%
132	9.034	9.013	9.068	HH	9728	281227	27.23%	0.670%
133	9.082	9.068	9.101	HH	9793	167663	16.23%	0.399%
134	9.175	9.155	9.200	HH	8653	215323	20.85%	0.513%
135	9.227	9.200	9.255	HH	11450	299317	28.98%	0.713%
136	9.277	9.255	9.290	HH	10389	189686	18.37%	0.452%
137	9.306	9.290	9.339	HH	14342	318614	30.85%	0.759%
138	9.359	9.339	9.377	HH	11785	233485	22.61%	0.556%
139	9.388	9.377	9.401	HH	9479	127690	12.36%	0.304%
140	9.424	9.401	9.444	HH	16445	296300	28.69%	0.706%
141	9.476	9.444	9.506	HH	44951	742909	71.94%	1.770%

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rteres

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142	9.519	9.506	9.540	HH	9768	170584	16.52%	0.406%
143	9.568	9.540	9.583	HH	10598	217832	21	
144	9.598	9.583	9.607	HH	9879	133243	12	
145	9.622	9.607	9.642	HH	12265	217308	21	
146	9.651	9.642	9.675	HH	8982	158376	15	
147	9.707	9.675	9.731	HH	12817	349950	33	
148	9.747	9.731	9.761	HH	11044	183895	17.81%	0.438%
149	9.775	9.761	9.791	HH	10483	174239	16.87%	0.415%
150	9.802	9.791	9.825	HH	9579	175630	17.01%	0.418%
151	9.844	9.825	9.864	HH	11940	238692	23.11%	0.569%
152	9.875	9.864	9.927	HH	9844	327761	31.74%	0.781%
153	9.939	9.927	9.954	HH	7911	119822	11.60%	0.285%
154	9.964	9.954	9.971	HH	7544	76560	7.41%	0.182%
155	9.994	9.971	10.026	HH	10340	288640	27.95%	0.688%
156	10.041	10.026	10.076	HH	9426	253207	24.52%	0.603%
157	10.097	10.076	10.113	HH	9680	191902	18.58%	0.457%
158	10.139	10.113	10.160	HH	15012	315378	30.54%	0.751%
159	10.179	10.160	10.192	HH	12235	206713	20.02%	0.493%
160	10.209	10.192	10.238	HH	14834	304473	29.48%	0.725%
161	10.258	10.238	10.276	HH	10026	215759	20.89%	0.514%
162	10.293	10.276	10.310	HH	13226	212018	20.53%	0.505%
163	10.316	10.310	10.346	HH	8928	172961	16.75%	0.412%
164	10.377	10.346	10.423	HH	8667	346078	33.51%	0.825%
165	10.453	10.423	10.464	HH	8907	194292	18.81%	0.463%
166	10.494	10.464	10.525	HH	12546	379092	36.71%	0.903%
167	10.538	10.525	10.553	HH	10358	161424	15.63%	0.385%
168	10.568	10.553	10.585	HH	9150	163480	15.83%	0.390%
169	10.604	10.585	10.618	HH	10924	194652	18.85%	0.464%
170	10.635	10.618	10.688	HH	10062	365741	35.41%	0.871%
171	10.710	10.688	10.724	HH	8620	167156	16.19%	0.398%
172	10.741	10.724	10.794	HH	8580	345258	33.43%	0.823%
173	10.814	10.794	10.840	HH	9011	220818	21.38%	0.526%
174	10.877	10.840	10.891	HH	9187	249330	24.14%	0.594%
175	10.921	10.891	10.957	HH	41184	727887	70.48%	1.734%
176	10.985	10.957	10.997	HH	9274	214575	20.78%	0.511%
177	11.013	10.997	11.043	HH	9274	237191	22.97%	0.565%
178	11.074	11.043	11.107	HH	9958	332500	32.20%	0.792%
179	11.123	11.107	11.141	HH	7600	150051	14.53%	0.358%
180	11.202	11.141	11.233	HH	10425	465381	45.06%	1.109%
181	11.255	11.233	11.266	HH	10644	180041	17.43%	0.429%
182	11.272	11.266	11.292	HH	10068	148894	14.42%	0.355%
183	11.340	11.292	11.373	HH	57494	1032736	100.00%	2.461%
184	11.386	11.373	11.421	HH	10313	255833	24.77%	0.610%
185	11.437	11.421	11.446	HH	7779	114078	11.05%	0.272%
186	11.479	11.446	11.499	HH	8392	249746	24.18%	0.595%
187	11.525	11.499	11.543	HH	10023	226814	21.96%	0.540%
188	11.554	11.543	11.572	HH	8778	144745	14.02%	0.345%
189	11.605	11.572	11.625	HH	10082	279247	27.04%	0.665%
190	11.663	11.625	11.704	HH	13186	445458	43.13%	1.061%
191	11.725	11.704	11.738	HH	7697	150999	14.62%	0.360%
192	11.763	11.738	11.782	HH	8111	206830	20.03%	0.493%
193	11.796	11.782	11.812	HH	8113	140158	13.57%	0.334%
194	11.825	11.812	11.852	HH	7916	182957	17.72%	0.436%

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rteres

195	11.873	11.852	11.888	HH	7883	163616	15.84%	0.390%
196	11.968	11.888	11.985	HH	9684	482564	46	
197	11.998	11.985	12.025	HH	8145	184801	17	
198	12.058	12.025	12.107	HH	35712	738325	71	
199	12.122	12.107	12.148	HH	7756	178498	17	
200	12.166	12.148	12.190	HH	7377	168505	16	
201	12.232	12.190	12.248	HH	8584	259358	25.11%	0.618%
202	12.268	12.248	12.321	HH	8825	335394	32.48%	0.799%
203	12.339	12.321	12.355	HH	7283	141366	13.69%	0.337%
204	12.373	12.355	12.392	HH	7768	160289	15.52%	0.382%
205	12.410	12.392	12.427	HH	6967	140101	13.57%	0.334%
206	12.451	12.427	12.468	HH	7094	165318	16.01%	0.394%
207	12.486	12.468	12.496	HH	7178	116725	11.30%	0.278%
208	12.524	12.496	12.544	HH	7315	205010	19.85%	0.488%
209	12.556	12.544	12.578	HH	6987	137460	13.31%	0.328%
210	12.614	12.578	12.640	HH	13706	340828	33.00%	0.812%
211	12.654	12.640	12.691	HH	7631	209075	20.24%	0.498%
212	12.743	12.691	12.759	HH	7450	276719	26.79%	0.659%
213	12.768	12.759	12.804	HH	6836	168368	16.30%	0.401%
214	12.859	12.804	12.882	HH	6445	280740	27.18%	0.669%
215	12.910	12.882	12.966	HH	6411	299428	28.99%	0.713%
216	12.998	12.966	13.015	HH	5822	162788	15.76%	0.388%
217	13.065	13.015	13.109	HH	5891	311994	30.21%	0.743%
218	13.135	13.109	13.168	HH	6031	196379	19.02%	0.468%
219	13.193	13.168	13.226	HH	7123	205735	19.92%	0.490%
220	13.304	13.293	13.320	HH	5459	85557	8.28%	0.204%
221	13.336	13.320	13.355	HH	5341	105047	10.17%	0.250%
222	13.374	13.355	13.396	HH	5057	123966	12.00%	0.295%
223	13.417	13.396	13.478	HH	5659	235873	22.84%	0.562%
224	13.491	13.478	13.504	HH	4481	69188	6.70%	0.165%
225	13.516	13.504	13.525	HH	4466	55046	5.33%	0.131%
226	13.549	13.525	13.580	HH	4774	147864	14.32%	0.352%
227	13.596	13.580	13.616	HH	4547	92998	9.01%	0.222%
228	13.631	13.616	13.669	HH	4398	132945	12.87%	0.317%
229	13.764	13.746	13.800	HH	6820	174567	16.90%	0.416%
230	13.812	13.800	13.838	HH	4265	90507	8.76%	0.216%
231	13.847	13.838	13.877	HH	3919	87922	8.51%	0.209%
232	13.928	13.877	13.974	HH	5240	243413	23.57%	0.580%
233	13.983	13.974	14.030	HH	3834	119306	11.55%	0.284%
234	14.103	14.070	14.131	HH	4798	141138	13.67%	0.336%
235	14.150	14.131	14.170	HH	3610	80424	7.79%	0.192%
236	14.197	14.170	14.231	HH	3432	120225	11.64%	0.286%
237	14.247	14.231	14.261	HH	3071	54353	5.26%	0.130%
238	14.372	14.345	14.426	HH	3726	153088	14.82%	0.365%
239	14.457	14.426	14.478	HH	3121	89655	8.68%	0.214%
240	14.503	14.478	14.541	HH	2955	108273	10.48%	0.258%
241	14.549	14.541	14.573	HH	2933	52488	5.08%	0.125%
242	14.581	14.573	14.587	HH	2621	23099	2.24%	0.055%
243	14.649	14.641	14.663	HH	2571	34051	3.30%	0.081%
244	14.698	14.663	14.728	HH	3596	114417	11.08%	0.273%
245	14.942	14.923	14.981	HH	2387	78775	7.63%	0.188%
246	15.002	14.981	15.043	HH	2424	80972	7.84%	0.193%

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rteres

247	15.053	15.043	15.061	HH	2044	22282	2.16%	0.053%
248	15.090	15.061	15.118	HH	2416	75199		
249	15.308	15.295	15.357	HH	2142	71531		
250	15.461	15.437	15.501	HH	1824	67071		
251	15.558	15.538	15.595	HH	2023	60640		
252	15.701	15.687	15.735	HH	1778	46800		
253	15.771	15.735	15.781	HH	1581	42232	4.09%	0.101%
254	15.824	15.781	15.856	HH	1654	70382	6.82%	0.168%
255	15.875	15.856	15.880	HH	1554	22051	2.14%	0.053%
256	15.956	15.941	15.980	HH	1611	35744	3.46%	0.085%
257	15.997	15.980	16.010	HH	1554	26963	2.61%	0.064%
258	16.022	16.010	16.031	HH	1563	20116	1.95%	0.048%
259	16.167	16.157	16.231	HH	1616	66494	6.44%	0.158%
260	16.332	16.313	16.352	HH	1654	36618	3.55%	0.087%
261	16.461	16.455	16.481	HH	1622	25093	2.43%	0.060%
262	16.687	16.677	16.698	HH	1603	19443	1.88%	0.046%
263	16.737	16.698	16.778	HH	1671	77649	7.52%	0.185%
264	16.814	16.778	16.848	HH	1833	72873	7.06%	0.174%
265	16.967	16.951	16.995	HH	1810	46993	4.55%	0.112%
266	17.008	16.995	17.017	HV	1784	24452	2.37%	0.058%
267	17.057	17.017	17.088	VV	2100	77036	7.46%	0.184%
268	17.090	17.088	17.121	VV	1753	32302	3.13%	0.077%
269	17.153	17.121	17.201	VV	1550	72911	7.06%	0.174%
270	17.271	17.242	17.315	VV	1611	64367	6.23%	0.153%
271	17.353	17.315	17.380	VV	1369	52015	5.04%	0.124%
272	17.394	17.380	17.468	VV	1424	64513	6.25%	0.154%
273	17.519	17.468	17.550	VV	1749	64054	6.20%	0.153%
274	17.576	17.550	17.591	VV	1211	27383	2.65%	0.065%
275	17.646	17.591	17.661	VV	989	40284	3.90%	0.096%
276	17.674	17.661	17.695	VV	1049	18236	1.77%	0.043%
277	17.743	17.695	17.754	VV	961	31460	3.05%	0.075%
278	17.765	17.754	17.785	VV	945	16897	1.64%	0.040%
279	17.804	17.785	17.824	VV	945	19702	1.91%	0.047%
280	17.881	17.824	17.928	VV	803	44201	4.28%	0.105%
281	17.970	17.928	18.001	VV	1563	39138	3.79%	0.093%
282	18.121	18.001	18.151	VV	597	46876	4.54%	0.112%
283	18.168	18.151	18.181	VV	357	5817	0.56%	0.014%
284	18.205	18.181	18.248	VV	361	12212	1.18%	0.029%
285	18.268	18.248	18.282	VV	334	5364	0.52%	0.013%
286	18.336	18.282	18.368	VV	437	15904	1.54%	0.038%
287	18.402	18.368	18.458	VV	1640	31324	3.03%	0.075%
288	18.464	18.458	18.472	VV	157	1506	0.15%	0.004%
289	18.591	18.472	18.644	VV	685	29051	2.81%	0.069%
290	18.677	18.644	18.694	VV	308	6669	0.65%	0.016%
291	18.702	18.694	18.711	VV	212	1873	0.18%	0.004%
292	18.791	18.711	18.800	VV	390	12280	1.19%	0.029%
293	18.824	18.800	18.858	VV	1594	24694	2.39%	0.059%
294	18.924	18.858	18.938	VV	266	9491	0.92%	0.023%
295	18.957	18.938	19.003	VV	762	13203	1.28%	0.031%
296	19.019	19.003	19.033	VV	155	1982	0.19%	0.005%
297	19.114	19.033	19.159	PV	203	10489	1.02%	0.025%
298	19.232	19.159	19.278	PV	1605	25338	2.45%	0.060%
299	19.378	19.278	19.404	PV	190	3254	0.32%	0.008%

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					rteres			
300	19.430	19.404	19.460	VV	317	5008	0.48%	0.012%
301	19.627	19.460	19.675	VV	1593	38569	3	
302	19.706	19.675	19.721	VV	328	7837	0	
303	20.013	19.721	20.038	VV	2126	120628	11	
304	20.135	20.108	20.144	VV	913	19629	1	
305	20.749	20.410	20.768	VV	4231	618806	59	
306	20.940	20.768	20.961	VV	4254	473176	45.82%	1.127%
			Sum of corrected areas:			41971546		

Aliphatic EPH 020325.M Mon Feb 10 02:30:26 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-1DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-02DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
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
FF015498.D	5	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	20.1		1.80	4.00	mg/kg
Aromatic C12-C16	Aromatic C12-C16	39.7		2.04	5.99	mg/kg
Aromatic C16-C21	Aromatic C16-C21	72.9		5.75	9.99	mg/kg
Aromatic C21-C36	Aromatic C21-C36	9.64	J	12.0	16.0	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	9.82		40 - 140	98%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	7.09		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.96		40 - 140	70%	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:	Q1308-02DL	Acq On:	07 Feb 2025 18:43
Client Sample ID:	EX-6-TPH-1DL	Operator:	YP\AJ
Data file:	FF015498.D	Misc:	
Instrument:	FID_F	ALS Vial:	82
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	6946172	50.29	200	ug/ml
Aromatic C12-C16	6.375	9.068	13335586	99.397	300	ug/ml
Aromatic C16-C21	9.069	13.385	22466936	182.361	500	ug/ml
Aromatic C21-C36	13.386	18.838	2841513	24.126	800	ug/ml
Aromatic EPH	4.505	18.838	45590207	356.174		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	1166684	9.82		ug/ml
2-Flurobiphenyl (SURR)	8.872	8.872	538680	7.09		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	918098	6.96		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015498.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:43
Operator : YP\AJ
Sample : Q1308-02DL 5X
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-1DL

Integration File: autoint1.e
Quant Time: Feb 10 00:37:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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...	7.996	1166684	9.816 ug/ml
Spiked Amount 50.000		Recovery =	19.63%
6) S 2-Flurobiphenyl (SURR)	8.872	538680	7.093 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	14.19%
11) S ortho-Terphenyl (SURR)	11.931	918098	6.962 ug/ml
Spiked Amount 50.000		Recovery =	13.92%
Target Compounds			

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

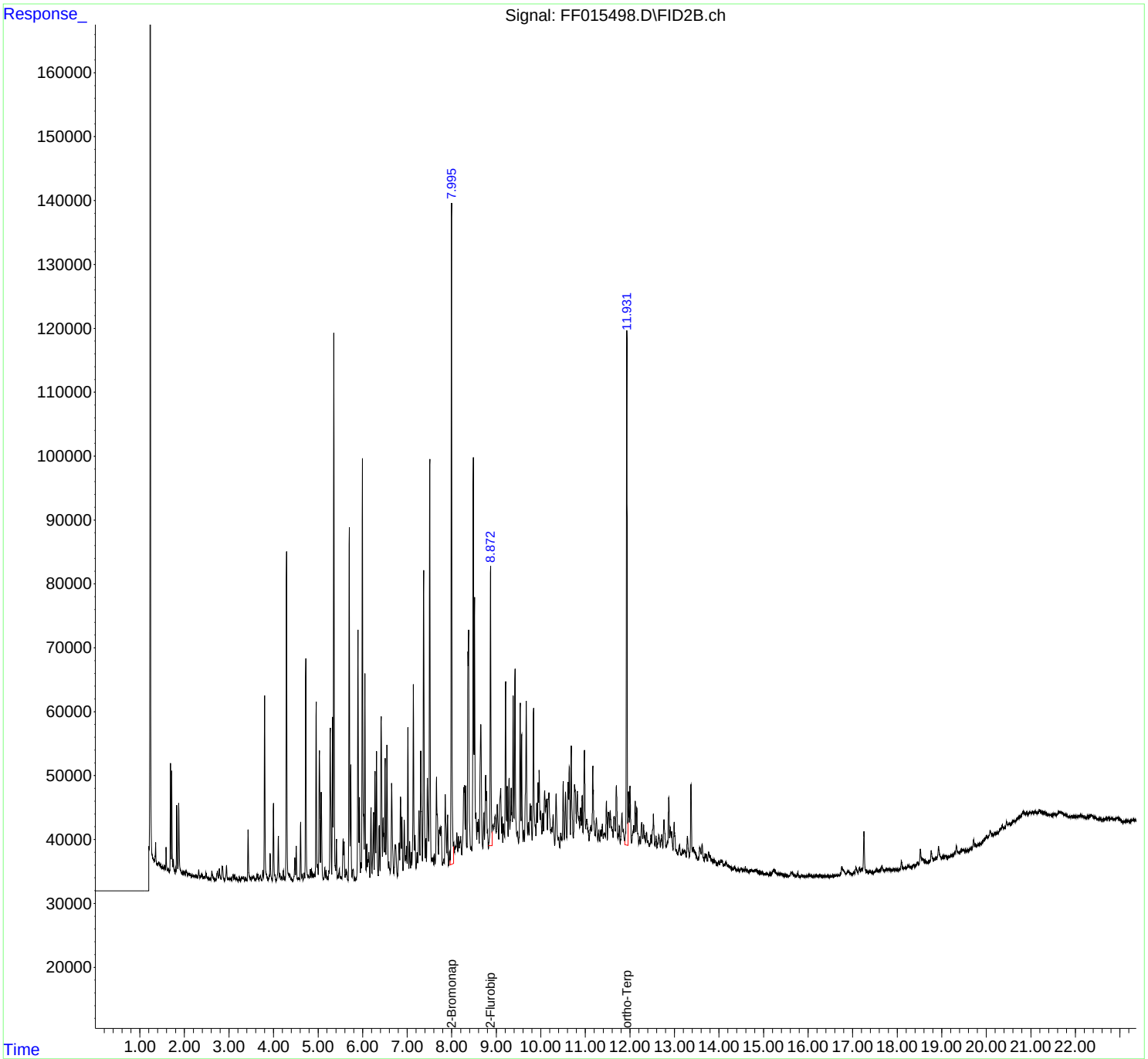
Quantitation Report (QT Reviewed)

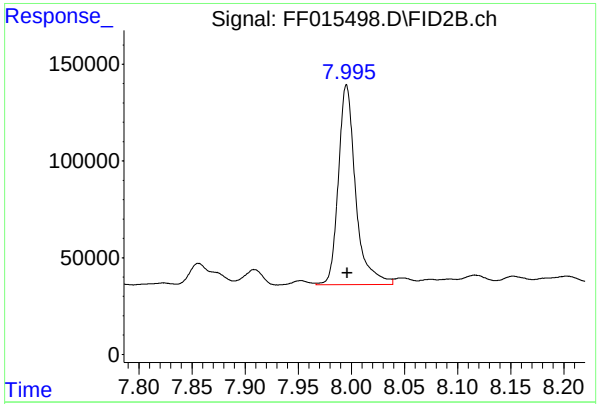
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015498.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:43
Operator : YP\AJ
Sample : Q1308-02DL 5X
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-1DL

Integration File: autoint1.e
Quant Time: Feb 10 00:37:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

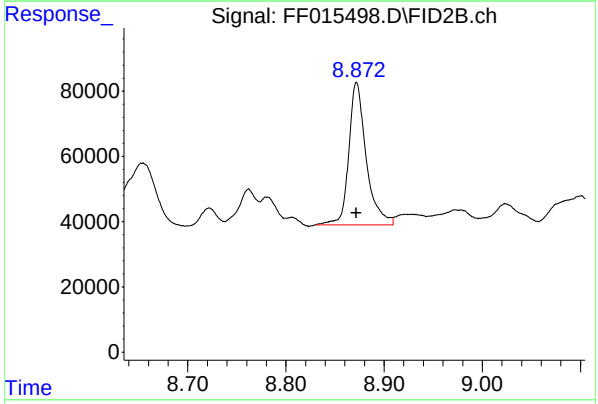




#4 2-Bromonaphthalene (SURR)

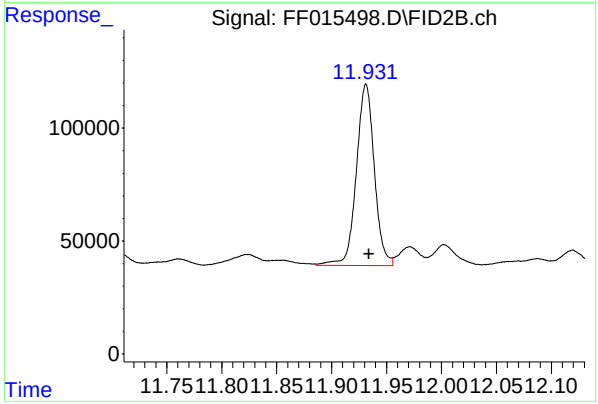
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 1166684
Conc: 9.82 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-1DL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 538680
Conc: 7.09 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.003 min
Response: 918098
Conc: 6.96 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015498.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:43
Sample : Q1308-02DL 5X
Misc :
ALS Vial : 82 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.479	4.411	4.494	BV	3461	39221	3.08%	0.080%
2	4.510	4.494	4.551	VV	5337	60000	4.71%	0.123%
3	4.570	4.551	4.587	VV	366	5148	0.40%	0.011%
4	4.608	4.587	4.631	VV	9127	94205	7.40%	0.193%
5	4.646	4.631	4.663	VV	962	10876	0.85%	0.022%
6	4.690	4.663	4.703	PV	1118	17544	1.38%	0.036%
7	4.724	4.703	4.771	VV	34708	377025	29.62%	0.772%
8	4.780	4.771	4.806	VV	684	11525	0.91%	0.024%
9	4.824	4.806	4.839	VV	1790	20844	1.64%	0.043%
10	4.852	4.839	4.867	VV	1874	19518	1.53%	0.040%
11	4.878	4.867	4.898	VV	1027	14762	1.16%	0.030%
12	4.912	4.898	4.926	VV	1045	13554	1.06%	0.028%
13	4.957	4.926	4.979	VV	27967	296251	23.28%	0.607%
14	4.986	4.979	5.003	VV	2532	27560	2.17%	0.056%
15	5.030	5.003	5.054	VV	20329	299542	23.53%	0.613%
16	5.071	5.054	5.116	VV	13859	203696	16.00%	0.417%
17	5.151	5.116	5.167	VV	2048	26834	2.11%	0.055%
18	5.181	5.167	5.199	VV	1645	17643	1.39%	0.036%
19	5.211	5.199	5.226	VV	557	6203	0.49%	0.013%
20	5.244	5.226	5.252	VV	1552	15555	1.22%	0.032%
21	5.272	5.252	5.306	VV	23920	340883	26.78%	0.698%
22	5.325	5.306	5.338	VV	25588	254794	20.02%	0.522%
23	5.354	5.338	5.397	VV	85730	909435	71.45%	1.862%
24	5.413	5.397	5.433	VV	6468	71670	5.63%	0.147%
25	5.445	5.433	5.459	VV	754	9524	0.75%	0.019%
26	5.477	5.459	5.502	VV	1852	26697	2.10%	0.055%
27	5.511	5.502	5.534	VV	544	8710	0.68%	0.018%
28	5.562	5.534	5.574	VV	6544	81123	6.37%	0.166%
29	5.584	5.574	5.612	VV	6059	68422	5.38%	0.140%
30	5.627	5.612	5.639	VV	1818	20447	1.61%	0.042%
31	5.647	5.639	5.663	VV	1281	11195	0.88%	0.023%
32	5.700	5.675	5.720	VV	55220	572989	45.02%	1.173%
33	5.734	5.720	5.762	VV	18157	203603	16.00%	0.417%
34	5.791	5.762	5.816	VV	1804	34591	2.72%	0.071%
35	5.831	5.816	5.847	PV	300	3347	0.26%	0.007%
36	5.896	5.847	5.918	VV	39303	452098	35.52%	0.926%

rteres

37	5.930	5.918	5.950	VV	13065	140017	11.00%	0.287%
38	5.963	5.950	5.974	VV	2867	32717	2.57%	0.067%
39	5.995	5.974	6.036	VV	65996	806092	63.33%	1.650%
40	6.052	6.036	6.078	VV	32397	345104	27.11%	0.707%
41	6.094	6.078	6.108	VV	5781	65294	5.13%	0.134%
42	6.119	6.108	6.127	VV	3278	33719	2.65%	0.069%
43	6.139	6.127	6.164	VV	4391	63248	4.97%	0.129%
44	6.188	6.164	6.210	VV	11418	141006	11.08%	0.289%
45	6.243	6.210	6.260	VV	10617	154989	12.18%	0.317%
46	6.277	6.260	6.295	VV	17064	192275	15.11%	0.394%
47	6.313	6.295	6.352	VV	20121	261815	20.57%	0.536%
48	6.371	6.352	6.392	VV	8614	102083	8.02%	0.209%
49	6.416	6.392	6.447	VV	25671	426569	33.52%	0.873%
50	6.461	6.447	6.472	VV	9819	110876	8.71%	0.227%
51	6.478	6.472	6.489	VV	7434	64754	5.09%	0.133%
52	6.505	6.489	6.522	VV	19126	211704	16.63%	0.433%
53	6.547	6.522	6.579	VV	21201	317012	24.91%	0.649%
54	6.590	6.579	6.621	VV	2973	52336	4.11%	0.107%
55	6.653	6.621	6.701	VV	15187	278943	21.92%	0.571%
56	6.730	6.701	6.738	VV	5619	75626	5.94%	0.155%
57	6.745	6.738	6.782	VV	5172	75410	5.92%	0.154%
58	6.821	6.782	6.834	VV	5862	105784	8.31%	0.217%
59	6.853	6.834	6.871	VV	13061	195604	15.37%	0.400%
60	6.884	6.871	6.906	VV	9915	124799	9.81%	0.255%
61	6.937	6.906	6.953	VV	9468	139789	10.98%	0.286%
62	6.962	6.953	6.971	VV	3869	38605	3.03%	0.079%
63	6.986	6.971	6.999	VV	5373	69768	5.48%	0.143%
64	7.018	6.999	7.039	VV	23930	263577	20.71%	0.540%
65	7.057	7.039	7.078	VV	6075	86802	6.82%	0.178%
66	7.096	7.078	7.108	VV	4366	56289	4.42%	0.115%
67	7.140	7.108	7.166	VV	30699	413173	32.46%	0.846%
68	7.178	7.166	7.201	VV	6973	95090	7.47%	0.195%
69	7.224	7.201	7.239	VV	4357	72213	5.67%	0.148%
70	7.266	7.239	7.287	VV	10782	193065	15.17%	0.395%
71	7.307	7.287	7.343	VV	20224	354846	27.88%	0.726%
72	7.371	7.343	7.405	VV	48354	702654	55.21%	1.439%
73	7.419	7.405	7.434	VV	6566	84451	6.64%	0.173%
74	7.455	7.434	7.485	VV	15902	290364	22.81%	0.594%
75	7.507	7.485	7.544	VV	65953	827572	65.02%	1.694%
76	7.556	7.544	7.569	VV	3385	47451	3.73%	0.097%
77	7.581	7.569	7.596	VV	3472	49528	3.89%	0.101%
78	7.612	7.596	7.629	VV	4104	64656	5.08%	0.132%
79	7.659	7.629	7.704	VV	16045	373353	29.33%	0.764%
80	7.720	7.704	7.727	VV	7827	88238	6.93%	0.181%
81	7.736	7.727	7.748	VV	8225	97114	7.63%	0.199%
82	7.764	7.748	7.795	VV	8399	163320	12.83%	0.334%
83	7.823	7.795	7.835	VV	3293	68848	5.41%	0.141%
84	7.856	7.835	7.890	VV	13430	261680	20.56%	0.536%
85	7.909	7.890	7.931	VV	10115	152029	11.94%	0.311%
86	7.953	7.931	7.966	VV	4474	71863	5.65%	0.147%
87	7.996	7.966	8.038	VV	105826	1272766	100.00%	2.606%
88	8.048	8.038	8.062	VV	5869	76938	6.04%	0.158%
89	8.075	8.062	8.081	VV	5138	55626	4.37%	0.114%

90	8.093	8.081	8.101	VV	5281	59036	4.64%	0.121%
91	8.117	8.101	8.136	VV	7332	128524	10.10%	0.263%
92	8.152	8.136	8.171	VV	6824	120040	9.43%	0.246%
93	8.203	8.171	8.224	VV	6783	179416	14.10%	0.367%
94	8.272	8.224	8.280	VV	14347	286521	22.51%	0.587%
95	8.287	8.280	8.303	VV	14781	169608	13.33%	0.347%
96	8.315	8.303	8.344	VV	14720	215816	16.96%	0.442%
97	8.366	8.344	8.371	VV	35723	343480	26.99%	0.703%
98	8.380	8.371	8.425	VV	38978	557846	43.83%	1.142%
99	8.439	8.425	8.452	VV	5123	79401	6.24%	0.163%
100	8.485	8.452	8.500	VV	65872	829007	65.13%	1.697%
101	8.513	8.500	8.535	VV	44084	533600	41.92%	1.092%
102	8.544	8.535	8.564	VV	10398	159494	12.53%	0.327%
103	8.577	8.564	8.587	VV	9053	106630	8.38%	0.218%
104	8.600	8.587	8.618	VV	9461	151624	11.91%	0.310%
105	8.654	8.618	8.697	VV	24206	644679	50.65%	1.320%
106	8.722	8.697	8.738	VV	10476	181568	14.27%	0.372%
107	8.762	8.738	8.773	VV	16319	247961	19.48%	0.508%
108	8.781	8.773	8.800	VV	13765	180436	14.18%	0.369%
109	8.806	8.800	8.824	VV	7621	92642	7.28%	0.190%
110	8.872	8.824	8.909	VV	48967	809345	63.59%	1.657%
111	8.923	8.909	8.944	VV	8541	173368	13.62%	0.355%
112	8.973	8.944	8.996	VV	9911	274185	21.54%	0.561%
113	9.024	8.996	9.057	VV	11723	322385	25.33%	0.660%
114	9.100	9.057	9.121	VV	14185	420131	33.01%	0.860%
115	9.133	9.121	9.148	VV	9821	130482	10.25%	0.267%
116	9.163	9.148	9.188	VV	8764	177984	13.98%	0.364%
117	9.210	9.188	9.232	VV	30920	464025	36.46%	0.950%
118	9.246	9.232	9.267	VV	14578	230151	18.08%	0.471%
119	9.288	9.267	9.307	VV	15830	272998	21.45%	0.559%
120	9.336	9.307	9.349	VV	14337	271595	21.34%	0.556%
121	9.354	9.349	9.364	VV	10391	86764	6.82%	0.178%
122	9.381	9.364	9.398	VV	28722	373878	29.38%	0.765%
123	9.422	9.398	9.467	VV	32952	611827	48.07%	1.253%
124	9.478	9.467	9.500	VV	7431	134811	10.59%	0.276%
125	9.538	9.500	9.556	VV	27698	447627	35.17%	0.916%
126	9.570	9.556	9.604	VV	22668	361010	28.36%	0.739%
127	9.618	9.604	9.635	VV	7663	125940	9.89%	0.258%
128	9.675	9.635	9.706	VV	27874	602918	47.37%	1.234%
129	9.721	9.706	9.736	VV	8894	144262	11.33%	0.295%
130	9.760	9.736	9.772	VV	11894	200143	15.73%	0.410%
131	9.784	9.772	9.806	VV	11492	185980	14.61%	0.381%
132	9.838	9.806	9.871	VV	26749	526793	41.39%	1.078%
133	9.878	9.871	9.892	VV	8507	99769	7.84%	0.204%
134	9.911	9.892	9.925	VV	11922	196652	15.45%	0.403%
135	9.941	9.925	9.951	VV	15135	197030	15.48%	0.403%
136	9.965	9.951	9.987	VV	17077	287247	22.57%	0.588%
137	10.000	9.987	10.027	VV	10668	218390	17.16%	0.447%
138	10.046	10.027	10.064	VV	10301	191951	15.08%	0.393%
139	10.088	10.064	10.106	VV	13845	287032	22.55%	0.588%
140	10.120	10.106	10.123	VV	11538	118005	9.27%	0.242%
141	10.132	10.123	10.150	VV	12560	174851	13.74%	0.358%

142	10.185	10.150	10.226	VV	13491	473232	37.18%	0.969%
143	10.249	10.226	10.259	VV	8070	153757	12.08%	0.315%
144	10.278	10.259	10.313	VV	10124	257338	20.22%	0.527%
145	10.345	10.313	10.388	VV	13310	390369	30.67%	0.799%
146	10.400	10.388	10.426	VV	6484	131749	10.35%	0.270%
147	10.448	10.426	10.461	VV	7146	133920	10.52%	0.274%
148	10.470	10.461	10.479	VV	6339	65183	5.12%	0.133%
149	10.504	10.479	10.531	VV	15148	292361	22.97%	0.599%
150	10.558	10.531	10.584	VV	13631	305188	23.98%	0.625%
151	10.612	10.584	10.624	VV	15107	262669	20.64%	0.538%
152	10.639	10.624	10.664	VV	17486	316103	24.84%	0.647%
153	10.683	10.664	10.734	VV	20891	482517	37.91%	0.988%
154	10.758	10.734	10.799	VV	14715	451882	35.50%	0.925%
155	10.820	10.799	10.849	VV	13688	329756	25.91%	0.675%
156	10.856	10.849	10.871	VV	9832	122254	9.61%	0.250%
157	10.895	10.871	10.912	VV	11025	237028	18.62%	0.485%
158	10.929	10.912	10.948	VV	13031	222315	17.47%	0.455%
159	10.980	10.948	11.009	VV	20106	463302	36.40%	0.949%
160	11.033	11.009	11.060	VV	9340	259078	20.36%	0.530%
161	11.064	11.060	11.086	VV	7527	106024	8.33%	0.217%
162	11.125	11.086	11.140	VV	8277	240573	18.90%	0.493%
163	11.169	11.140	11.223	VV	17644	509638	40.04%	1.043%
164	11.249	11.223	11.282	VV	9542	276726	21.74%	0.567%
165	11.302	11.282	11.325	VV	7569	170960	13.43%	0.350%
166	11.346	11.325	11.362	VV	7536	153037	12.02%	0.313%
167	11.383	11.362	11.401	VV	8554	173591	13.64%	0.355%
168	11.422	11.401	11.429	VV	7053	114984	9.03%	0.235%
169	11.437	11.429	11.451	VV	7140	90726	7.13%	0.186%
170	11.474	11.451	11.496	VV	12134	244716	19.23%	0.501%
171	11.522	11.496	11.544	VV	10356	260164	20.44%	0.533%
172	11.561	11.544	11.622	VV	10627	390128	30.65%	0.799%
173	11.650	11.622	11.672	VV	9705	259326	20.38%	0.531%
174	11.698	11.672	11.730	VV	14599	355564	27.94%	0.728%
175	11.761	11.730	11.784	VV	8173	225450	17.71%	0.462%
176	11.823	11.784	11.844	VV	10171	283373	22.26%	0.580%
177	11.855	11.844	11.886	VV	7574	170911	13.43%	0.350%
178	11.931	11.886	11.955	VV	85659	1134104	89.11%	2.322%
179	11.971	11.955	11.986	VV	13574	208837	16.41%	0.428%
180	12.002	11.986	12.037	VV	14468	293497	23.06%	0.601%
181	12.088	12.037	12.100	VV	8317	264400	20.77%	0.541%
182	12.119	12.100	12.137	VV	12044	209956	16.50%	0.430%
183	12.153	12.137	12.199	VV	11026	299960	23.57%	0.614%
184	12.220	12.199	12.237	VV	6500	136284	10.71%	0.279%
185	12.264	12.237	12.287	VV	8713	218248	17.15%	0.447%
186	12.309	12.287	12.326	VV	8343	164435	12.92%	0.337%
187	12.336	12.326	12.357	VV	6659	119097	9.36%	0.244%
188	12.374	12.357	12.397	VV	7169	150657	11.84%	0.308%
189	12.407	12.397	12.441	VV	5855	143500	11.27%	0.294%
190	12.473	12.441	12.488	VV	6767	165308	12.99%	0.338%
191	12.529	12.488	12.565	VV	10082	333042	26.17%	0.682%
192	12.586	12.565	12.607	VV	6487	140862	11.07%	0.288%
193	12.648	12.607	12.683	VV	6733	261904	20.58%	0.536%
194	12.715	12.683	12.737	VV	6743	189555	14.89%	0.388%

195	12.764	12.737	12.806	VV	9148	275707	21.66%	0.564%
196	12.814	12.806	12.819	VV	5036	39603	3.11%	0.081%
197	12.840	12.819	12.847	VV	5641	88346	6.94%	0.181%
198	12.872	12.847	12.893	VV	12537	240971	18.93%	0.493%
199	12.908	12.893	12.926	VV	7870	142255	11.18%	0.291%
200	12.938	12.926	12.966	VV	7272	144616	11.36%	0.296%
201	12.992	12.966	13.033	VV	8817	250927	19.72%	0.514%
202	13.041	13.033	13.077	VV	4422	105230	8.27%	0.215%
203	13.114	13.077	13.156	VV	5209	199984	15.71%	0.409%
204	13.160	13.156	13.162	VV	3667	13917	1.09%	0.028%
205	13.181	13.162	13.198	VV	4342	87800	6.90%	0.180%
206	13.216	13.198	13.223	VV	4335	60163	4.73%	0.123%
207	13.229	13.223	13.261	VV	4303	90692	7.13%	0.186%
208	13.289	13.261	13.335	VV	6494	204660	16.08%	0.419%
209	13.370	13.335	13.406	VV	14627	306385	24.07%	0.627%
210	13.423	13.406	13.492	VV	4776	213924	16.81%	0.438%
211	13.497	13.492	13.524	VV	3332	58619	4.61%	0.120%
212	13.568	13.524	13.602	VV	4791	179358	14.09%	0.367%
213	13.620	13.602	13.669	VV	5232	151972	11.94%	0.311%
214	13.684	13.669	13.699	VV	3783	60526	4.76%	0.124%
215	13.714	13.699	13.741	VV	3719	81922	6.44%	0.168%
216	13.766	13.741	13.783	VV	4018	85169	6.69%	0.174%
217	13.790	13.783	13.829	VV	3410	86480	6.79%	0.177%
218	13.837	13.829	13.857	VV	2806	44903	3.53%	0.092%
219	13.878	13.857	13.906	VV	2858	77587	6.10%	0.159%
220	13.919	13.906	13.943	VV	2728	54942	4.32%	0.112%
221	13.948	13.943	13.971	VV	2234	34015	2.67%	0.070%
222	13.991	13.971	14.013	VV	2589	58815	4.62%	0.120%
223	14.038	14.013	14.052	VV	2696	57512	4.52%	0.118%
224	14.070	14.052	14.117	VV	2793	88989	6.99%	0.182%
225	14.159	14.117	14.187	VV	2486	90211	7.09%	0.185%
226	14.202	14.187	14.220	VV	2047	36388	2.86%	0.074%
227	14.235	14.220	14.241	VV	1734	21543	1.69%	0.044%
228	14.243	14.241	14.316	VV	1769	65921	5.18%	0.135%
229	14.332	14.316	14.346	VV	1606	26614	2.09%	0.054%
230	14.353	14.346	14.406	VV	1656	48460	3.81%	0.099%
231	14.409	14.406	14.418	VV	1147	8120	0.64%	0.017%
232	14.438	14.418	14.469	VV	1284	35750	2.81%	0.073%
233	14.497	14.469	14.522	VV	1562	40454	3.18%	0.083%
234	14.534	14.522	14.552	VV	1163	20379	1.60%	0.042%
235	14.558	14.552	14.576	VV	1291	16442	1.29%	0.034%
236	14.580	14.576	14.582	VV	1169	4228	0.33%	0.009%
237	14.590	14.582	14.608	VV	1418	19015	1.49%	0.039%
238	14.620	14.608	14.626	VV	1174	12081	0.95%	0.025%
239	14.632	14.626	14.672	VV	1189	26562	2.09%	0.054%
240	14.707	14.672	14.714	VV	1147	25648	2.02%	0.053%
241	14.716	14.714	14.720	VV	1157	3737	0.29%	0.008%
242	14.724	14.720	14.741	VV	1134	13908	1.09%	0.028%
243	14.744	14.741	14.762	VV	1129	13163	1.03%	0.027%
244	14.787	14.762	14.791	VV	1128	17875	1.40%	0.037%
245	14.796	14.791	14.814	VV	1170	15186	1.19%	0.031%
246	14.824	14.814	14.863	VV	1269	31915	2.51%	0.065%

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247	14.870	14.863	14.887	VV	1060	13753	1.08%	0.028%
248	14.896	14.887	14.931	VV	890	19926	1.57%	0.041%
249	14.935	14.931	14.963	VV	738	12800	1.01%	0.026%
250	14.979	14.963	14.984	VV	702	8580	0.67%	0.018%
251	14.991	14.984	15.012	VV	733	10143	0.80%	0.021%
252	15.018	15.012	15.022	VV	590	3189	0.25%	0.007%
253	15.028	15.022	15.053	VV	649	10020	0.79%	0.021%
254	15.067	15.053	15.101	VV	564	13707	1.08%	0.028%
255	15.107	15.101	15.112	VV	453	2843	0.22%	0.006%
256	15.118	15.112	15.125	VV	414	2958	0.23%	0.006%
257	15.131	15.125	15.134	VV	441	2249	0.18%	0.005%
258	15.154	15.134	15.178	VV	625	13961	1.10%	0.029%
259	15.235	15.178	15.284	VV	1259	56773	4.46%	0.116%
260	15.287	15.284	15.306	VV	637	7119	0.56%	0.015%
261	15.317	15.306	15.359	VV	602	17345	1.36%	0.036%
262	15.362	15.359	15.377	VV	546	5527	0.43%	0.011%
263	15.397	15.377	15.467	VV	619	21712	1.71%	0.044%
264	15.490	15.475	15.509	VV	309	4919	0.39%	0.010%
265	15.514	15.509	15.519	VV	221	1147	0.09%	0.002%
266	15.539	15.519	15.551	VV	300	4036	0.32%	0.008%
267	15.555	15.551	15.587	VV	210	3891	0.31%	0.008%
268	15.618	15.587	15.698	VV	846	32937	2.59%	0.067%
269	15.702	15.698	15.726	VV	294	2785	0.22%	0.006%
270	15.771	15.726	15.802	VV	666	12808	1.01%	0.026%
271	15.808	15.802	15.837	VV	189	1568	0.12%	0.003%
272	15.873	15.837	15.882	VV	262	4470	0.35%	0.009%
273	15.887	15.882	15.927	VV	196	3223	0.25%	0.007%
274	15.944	15.938	15.958	VV	161	1290	0.10%	0.003%
275	15.969	15.958	15.986	VV	170	1972	0.15%	0.004%
276	16.003	15.986	16.016	VV	263	3492	0.27%	0.007%
277	16.029	16.016	16.034	VV	324	3072	0.24%	0.006%
278	16.037	16.034	16.051	VV	295	1913	0.15%	0.004%
279	16.075	16.051	16.109	VV	229	5174	0.41%	0.011%
280	16.114	16.109	16.142	VV	171	2081	0.16%	0.004%
281	16.178	16.150	16.201	VV	284	5618	0.44%	0.012%
282	16.217	16.210	16.222	VV	250	1458	0.11%	0.003%
283	16.253	16.234	16.276	VV	333	5906	0.46%	0.012%
284	16.293	16.276	16.327	VV	275	4276	0.34%	0.009%
285	16.348	16.327	16.376	VV	136	2570	0.20%	0.005%
286	16.393	16.376	16.400	VV	188	1950	0.15%	0.004%
287	16.430	16.412	16.436	PV	152	1215	0.10%	0.002%
288	16.450	16.436	16.497	VV	150	2785	0.22%	0.006%
289	16.555	16.538	16.591	VV	154	2504	0.20%	0.005%
290	16.634	16.621	16.654	VV	142	2317	0.18%	0.005%
291	16.686	16.677	16.712	VV	136	1636	0.13%	0.003%
292	16.754	16.712	16.776	VV	1453	29454	2.31%	0.060%
293	16.781	16.776	16.842	VV	962	25572	2.01%	0.052%
294	16.846	16.842	16.854	VV	311	1840	0.14%	0.004%
295	16.881	16.854	16.941	VV	646	24236	1.90%	0.050%
296	16.944	16.941	16.974	VV	345	4642	0.36%	0.010%
297	17.029	16.999	17.050	VV	492	7720	0.61%	0.016%
298	17.073	17.050	17.119	VV	1131	27073	2.13%	0.055%
299	17.146	17.119	17.181	VV	983	25434	2.00%	0.052%

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300	17.204	17.181	17.220	VV	958	16474	1.29%	0.034%
301	17.252	17.220	17.309	VV	6652	112842	8.87%	0.231%
302	17.316	17.309	17.325	VV	363	3073	0.24%	0.006%
303	17.332	17.325	17.347	VV	278	2911	0.23%	0.006%
304	17.351	17.347	17.357	VV	191	1023	0.08%	0.002%
305	17.379	17.357	17.386	VV	253	2926	0.23%	0.006%
306	17.395	17.386	17.427	VV	233	3956	0.31%	0.008%
307	17.439	17.427	17.465	PV	179	2660	0.21%	0.005%
308	17.497	17.465	17.504	VV	239	3620	0.28%	0.007%
309	17.538	17.504	17.569	VV	587	13620	1.07%	0.028%
310	17.602	17.569	17.607	VV	426	6067	0.48%	0.012%
311	17.657	17.607	17.683	VV	1029	23673	1.86%	0.048%
312	17.689	17.683	17.709	VV	304	3343	0.26%	0.007%
313	17.755	17.709	17.774	VV	398	10062	0.79%	0.021%
314	17.794	17.774	17.817	VV	388	7618	0.60%	0.016%
315	17.831	17.817	17.856	VV	374	5924	0.47%	0.012%
316	17.860	17.856	17.879	VV	152	1717	0.13%	0.004%
317	17.886	17.879	17.902	VV	157	1464	0.12%	0.003%
318	17.923	17.902	17.937	VV	233	3330	0.26%	0.007%
319	17.955	17.951	17.982	VV	162	1905	0.15%	0.004%
320	18.009	18.002	18.042	VV	127	1292	0.10%	0.003%
321	18.058	18.042	18.062	VV	122	1080	0.08%	0.002%
322	18.094	18.062	18.174	VV	1393	28368	2.23%	0.058%
323	18.196	18.174	18.205	VV	240	3409	0.27%	0.007%
324	18.249	18.205	18.295	VV	455	14011	1.10%	0.029%
325	18.324	18.295	18.332	VV	126	1512	0.12%	0.003%
326	18.368	18.332	18.396	VV	496	9415	0.74%	0.019%
327	18.461	18.396	18.487	PV	560	18866	1.48%	0.039%
328	18.518	18.487	18.551	VV	2536	50070	3.93%	0.103%
329	18.568	18.551	18.651	VV	909	33470	2.63%	0.069%
330	18.664	18.651	18.670	VV	218	1749	0.14%	0.004%
331	18.676	18.670	18.690	VV	164	1310	0.10%	0.003%
332	18.762	18.735	18.801	PBA	1610	28831	2.27%	0.059%

Sum of corrected areas: 48845645

Aromatic EPH 020525.M Mon Feb 10 01:51:51 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-2	SDG No.:	Q1308
Lab Sample ID:	Q1308-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 19:56	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	139		10	4.52	11.9	mg/kg	FE052298.D
Aliphatic C12-C16	Aliphatic C12-C16	466		50	14.3	39.6	mg/kg	FE052299.D
Aliphatic C16-C21	Aliphatic C16-C21	333		50	17.8	59.5	mg/kg	FE052299.D
Aliphatic C21-C28	Aliphatic C21-C28	69.6		10	9.51	15.9	mg/kg	FE052298.D
Aliphatic C28-C40	Aliphatic C28-C40	31.1		1	2.14	2.38	mg/kg	FE052286.D
Aromatic C10-C12	Aromatic C10-C12	87.4		10	3.57	7.93	mg/kg	FF015499.D
Aromatic C12-C16	Aromatic C12-C16	288		20	8.09	23.8	mg/kg	FF015500.D
Aromatic C16-C21	Aromatic C16-C21	599		20	22.8	39.6	mg/kg	FF015500.D
Aromatic C21-C36	Aromatic C21-C36	68.8		10	23.8	31.7	mg/kg	FF015499.D
Total AliphaticEPH	Total AliphaticEPH	1040			48.3	129	mg/kg	
Total AromaticEPH	Total AromaticEPH	1040			58.3	103	mg/kg	
Total EPH	Total EPH	2080			107	232	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-2	SDG No.:	Q1308
Lab Sample ID:	Q1308-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052286.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	128	E	0.45	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	460	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	352	E	0.36	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	65.0	E	0.95	1.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.1		2.14	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-03	Acq On:	07 Feb 2025 12:26
Client Sample ID:	EX-6-TPH-2	Operator:	YP\AJ
Data file:	FE052286.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	155877576	1620	300	ug/ml
Aliphatic C12-C16	7.236	10.639	608315703	5810	200	ug/ml
Aliphatic C16-C21	10.640	13.984	502032936	4440	300	ug/ml
Aliphatic C21-C28	13.985	17.628	93516502	820.329	400	ug/ml
Aliphatic C28-C40	17.629	22.712	35961706	392.794	600	ug/ml
Aliphatic EPH	3.679	22.712	1395704423	13100		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.727	13.727	3849574	39.01		ug/ml
Aliphatic C9-C28	3.679	17.628	1359742717	12700	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052286.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 12:26
Operator : YP\AJ
Sample : Q1308-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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...	13.727	3849574	39.006 ug/mlm
Spiked Amount 50.000		Recovery = 78.01%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052286.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 12:26
Operator : YP\AJ
Sample : Q1308-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

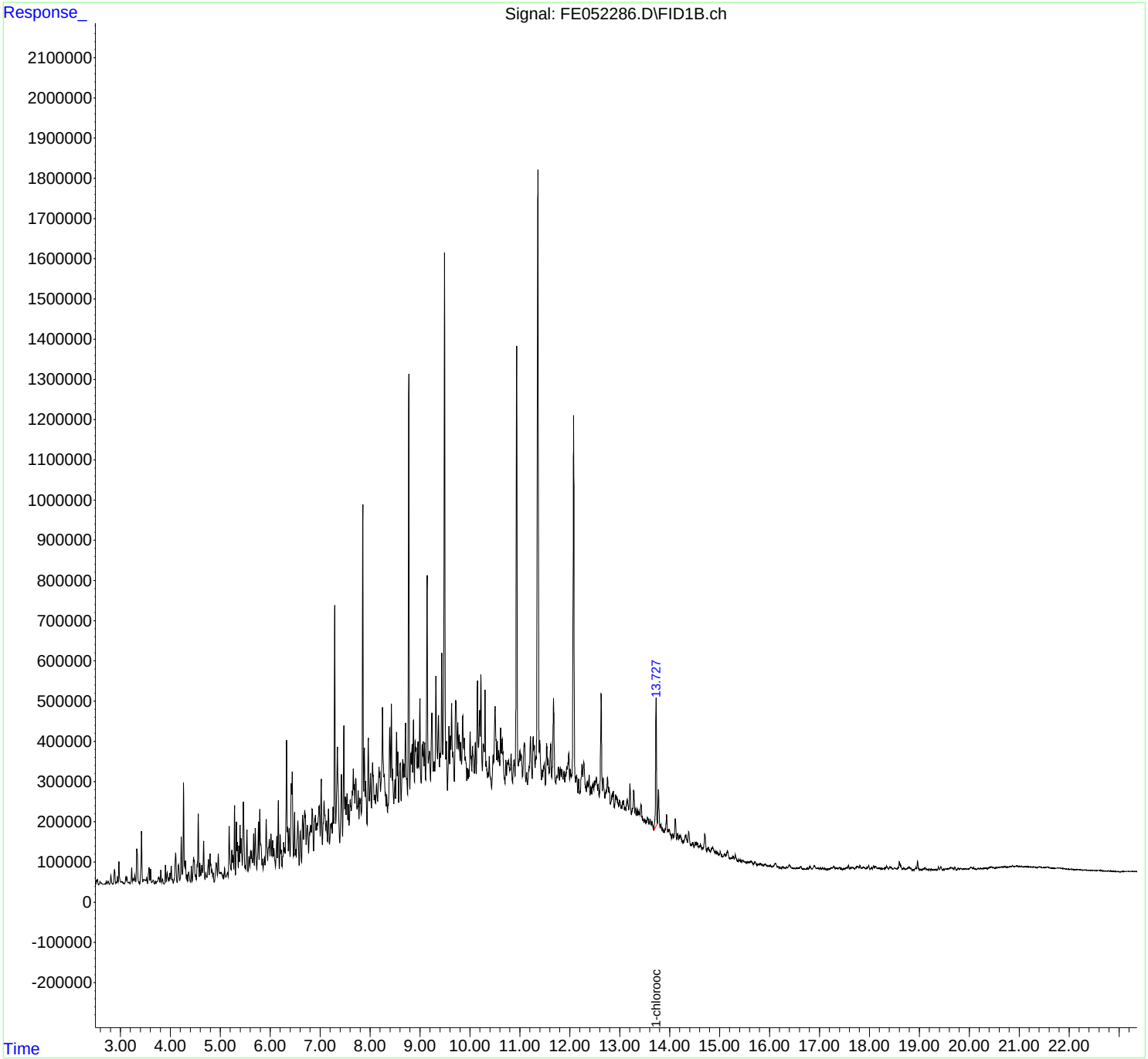
Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2

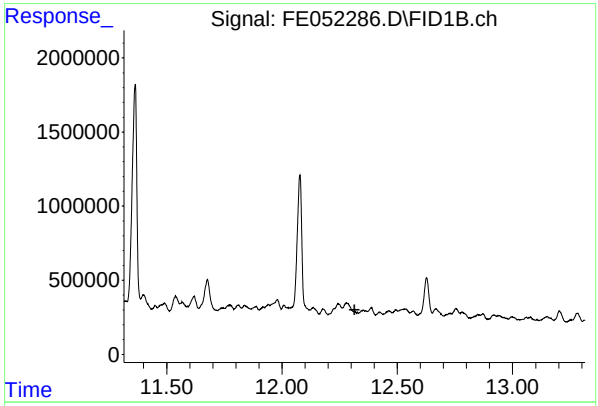
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





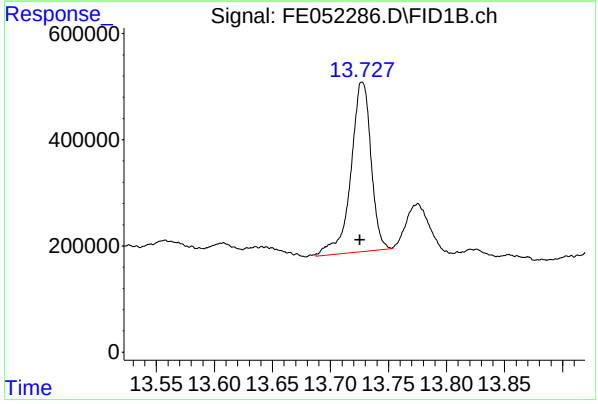
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2

Manual Integrations
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#12 1-chlorooctadecane (SURR)

R.T.: 13.727 min
Delta R.T.: 0.002 min
Response: 3849574
Conc: 39.01 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052286.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 12:26
Sample : Q1308-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.226	3.204	3.242	PH	6177	-371673	-1.08%	-0.026%
2	3.256	3.242	3.272	PV	-8285	-185028	-0.54%	-0.013%
3	3.288	3.272	3.306	PV	15770	130975	0.38%	0.009%
4	3.329	3.306	3.388	PV	83683	1351072	3.92%	0.096%
5	3.423	3.388	3.449	PV	130713	1577675	4.57%	0.112%
6	3.467	3.449	3.484	VV	11174	197035	0.57%	0.014%
7	3.498	3.484	3.510	VV	10314	148938	0.43%	0.011%
8	3.524	3.510	3.542	VV	15864	180457	0.52%	0.013%
9	3.574	3.542	3.590	VV	41023	619212	1.79%	0.044%
10	3.605	3.590	3.626	VV	37145	423804	1.23%	0.030%
11	3.656	3.626	3.684	VV	9766	185908	0.54%	0.013%
12	3.700	3.684	3.713	PV	7323	65785	0.19%	0.005%
13	3.762	3.713	3.791	VV	17277	430940	1.25%	0.031%
14	3.809	3.791	3.827	VV	34560	366732	1.06%	0.026%
15	3.844	3.827	3.877	VV	12893	169498	0.49%	0.012%
16	3.902	3.877	3.919	PV	46977	445406	1.29%	0.032%
17	3.937	3.919	3.976	VV	29242	570846	1.65%	0.041%
18	3.992	3.976	4.003	VV	27316	293402	0.85%	0.021%
19	4.019	4.003	4.058	VV	44261	624551	1.81%	0.044%
20	4.107	4.058	4.136	VV	76082	1368856	3.97%	0.097%
21	4.163	4.136	4.189	VV	47136	814595	2.36%	0.058%
22	4.219	4.189	4.244	VV	115705	1460513	4.23%	0.104%
23	4.265	4.244	4.291	VV	250125	2807952	8.14%	0.199%
24	4.303	4.291	4.322	VV	57779	683443	1.98%	0.048%
25	4.333	4.322	4.348	VV	22938	246914	0.72%	0.018%
26	4.366	4.348	4.403	VV	28835	532015	1.54%	0.038%
27	4.422	4.403	4.439	VV	43659	431610	1.25%	0.031%
28	4.466	4.439	4.520	VV	65202	1645640	4.77%	0.117%
29	4.559	4.520	4.579	VV	171388	2352427	6.82%	0.167%
30	4.592	4.579	4.612	VV	51574	662207	1.92%	0.047%
31	4.630	4.612	4.646	VV	45652	698045	2.02%	0.050%
32	4.667	4.646	4.693	VV	105061	1379638	4.00%	0.098%
33	4.711	4.693	4.733	VV	26935	444472	1.29%	0.032%
34	4.764	4.733	4.779	VV	60025	985440	2.86%	0.070%
35	4.796	4.779	4.880	VV	73600	1998685	5.79%	0.142%
36	4.919	4.880	4.942	VV	51442	1101095	3.19%	0.078%

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EX-6-TPH-2

Manual IntegrationsAPPROVED

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rteres

37	4.961	4.942	4.983	VV	72940	1067721	3.09%	0.076%
38	4.994	4.983	5.005	VV	27083	339857		
39	5.020	5.005	5.051	VV	25990	619831		
40	5.060	5.051	5.070	VV	18654	184453		
41	5.088	5.070	5.113	VV	38026	588775		
42	5.145	5.113	5.159	VV	27062	569883		
43	5.179	5.159	5.216	VV	141008	2246654	6.51%	0.159%
44	5.232	5.216	5.244	VV	82534	1002049	2.90%	0.071%
45	5.255	5.244	5.269	VV	70461	884226	2.56%	0.063%
46	5.286	5.269	5.305	VV	191028	2003609	5.81%	0.142%
47	5.323	5.305	5.336	VV	150940	1688520	4.89%	0.120%
48	5.344	5.336	5.361	VV	101726	1172292	3.40%	0.083%
49	5.374	5.361	5.384	VV	92421	921165	2.67%	0.065%
50	5.397	5.384	5.408	VV	143102	1453832	4.21%	0.103%
51	5.417	5.408	5.442	VV	110431	1603208	4.65%	0.114%
52	5.463	5.442	5.510	VV	199590	3873195	11.22%	0.275%
53	5.535	5.510	5.555	VV	132724	1917741	5.56%	0.136%
54	5.577	5.555	5.592	VV	65739	1079934	3.13%	0.077%
55	5.608	5.592	5.618	VV	80848	941470	2.73%	0.067%
56	5.628	5.618	5.653	VV	77724	1354731	3.93%	0.096%
57	5.669	5.653	5.684	VV	121353	1435254	4.16%	0.102%
58	5.702	5.684	5.732	VV	135472	2324024	6.73%	0.165%
59	5.766	5.732	5.778	VV	150593	2379705	6.90%	0.169%
60	5.792	5.778	5.859	VV	182869	4210647	12.20%	0.299%
61	5.885	5.859	5.898	VV	62602	1184280	3.43%	0.084%
62	5.921	5.898	5.949	VV	157486	2841612	8.23%	0.202%
63	5.982	5.949	5.997	VV	108088	2435425	7.06%	0.173%
64	6.016	5.997	6.033	VV	121020	2024945	5.87%	0.144%
65	6.050	6.033	6.065	VV	105360	1640213	4.75%	0.116%
66	6.076	6.065	6.106	VV	84648	1529271	4.43%	0.109%
67	6.133	6.106	6.147	VV	115601	1914807	5.55%	0.136%
68	6.163	6.147	6.184	VV	204318	2500764	7.25%	0.177%
69	6.201	6.184	6.238	VV	119191	2377137	6.89%	0.169%
70	6.271	6.238	6.282	VV	99044	1892555	5.48%	0.134%
71	6.290	6.282	6.300	VV	86636	871712	2.53%	0.062%
72	6.328	6.300	6.364	VV	351924	6540317	18.95%	0.464%
73	6.380	6.364	6.399	VV	134685	2079730	6.03%	0.148%
74	6.442	6.399	6.469	VV	273224	7083818	20.53%	0.503%
75	6.488	6.469	6.523	VV	174407	3146689	9.12%	0.223%
76	6.554	6.523	6.581	VV	152607	3562352	10.32%	0.253%
77	6.603	6.581	6.628	VV	126806	2445372	7.09%	0.174%
78	6.651	6.628	6.671	VV	166456	3101298	8.99%	0.220%
79	6.693	6.671	6.722	VV	179555	4427185	12.83%	0.314%
80	6.744	6.722	6.770	VV	140862	3377685	9.79%	0.240%
81	6.802	6.770	6.810	VV	138055	2808653	8.14%	0.199%
82	6.819	6.810	6.826	VV	140690	1290750	3.74%	0.092%
83	6.842	6.826	6.869	VV	181574	3681644	10.67%	0.261%
84	6.905	6.869	6.919	VV	165642	4013820	11.63%	0.285%
85	6.928	6.919	6.937	VV	145849	1498821	4.34%	0.106%
86	6.980	6.937	7.003	VV	189202	6174828	17.89%	0.438%
87	7.022	7.003	7.046	VV	253480	4297136	12.45%	0.305%
88	7.080	7.046	7.114	VV	201953	6317375	18.31%	0.448%
89	7.129	7.114	7.148	VV	151092	2695507	7.81%	0.191%

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EX-6-TPH-2

Manual IntegrationsAPPROVED

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rteres

90	7.168	7.148	7.189	VV	181565	3414611	9.89%	0.242%
91	7.232	7.189	7.244	VV	146094	4263781	12	
92	7.260	7.244	7.271	VV	186133	2580803	7	
93	7.293	7.271	7.315	VV	686117	8888640	25	
94	7.347	7.315	7.394	VV	335101	9771614	28	
95	7.427	7.394	7.450	VV	266011	5928750	17	
96	7.476	7.450	7.494	VV	387860	6328083	18.34%	0.449%
97	7.507	7.494	7.520	VV	211586	2966821	8.60%	0.211%
98	7.540	7.520	7.556	VV	219687	4149527	12.02%	0.294%
99	7.566	7.556	7.581	VV	192816	2515013	7.29%	0.178%
100	7.604	7.581	7.626	VV	203860	4812974	13.95%	0.341%
101	7.666	7.626	7.697	VV	281374	9538730	27.64%	0.677%
102	7.715	7.697	7.739	VV	254962	5730486	16.61%	0.407%
103	7.763	7.739	7.779	VV	225883	4630216	13.42%	0.329%
104	7.795	7.779	7.825	VV	207093	5204299	15.08%	0.369%
105	7.855	7.825	7.872	VV	929328	12007030	34.79%	0.852%
106	7.886	7.872	7.902	VV	332500	4900117	14.20%	0.348%
107	7.912	7.902	7.940	VV	248580	4696511	13.61%	0.333%
108	7.965	7.940	7.987	VV	355852	7066162	20.48%	0.501%
109	8.010	7.987	8.029	VV	269423	5651976	16.38%	0.401%
110	8.052	8.029	8.084	VV	293347	7977521	23.12%	0.566%
111	8.094	8.084	8.109	VV	213458	3087128	8.95%	0.219%
112	8.131	8.109	8.151	VV	242850	5502567	15.95%	0.390%
113	8.181	8.151	8.211	VV	283326	8887356	25.75%	0.631%
114	8.251	8.211	8.323	VV	431408	18305505	53.05%	1.299%
115	8.335	8.323	8.351	VV	214947	3267339	9.47%	0.232%
116	8.395	8.351	8.413	VV	380439	9777293	28.33%	0.694%
117	8.429	8.413	8.477	VV	438964	10865413	31.49%	0.771%
118	8.501	8.477	8.514	VV	252717	4978409	14.43%	0.353%
119	8.532	8.514	8.547	VV	370602	5999031	17.38%	0.426%
120	8.557	8.547	8.573	VV	320233	4220391	12.23%	0.299%
121	8.602	8.573	8.622	VV	292955	7278574	21.09%	0.516%
122	8.655	8.622	8.670	VV	300910	7345580	21.29%	0.521%
123	8.682	8.670	8.693	VV	290309	3849331	11.15%	0.273%
124	8.711	8.693	8.751	VV	390772	10133870	29.37%	0.719%
125	8.777	8.751	8.798	VV	1268392	16670141	48.31%	1.183%
126	8.817	8.798	8.829	VV	316280	5472577	15.86%	0.388%
127	8.842	8.829	8.854	VV	338270	4577346	13.26%	0.325%
128	8.870	8.854	8.890	VV	399949	6943146	20.12%	0.493%
129	8.905	8.890	8.945	VV	347450	10311524	29.88%	0.732%
130	8.960	8.945	8.975	VV	345161	5687533	16.48%	0.404%
131	8.999	8.975	9.028	VV	448656	10200961	29.56%	0.724%
132	9.045	9.028	9.055	VV	339643	4852761	14.06%	0.344%
133	9.065	9.055	9.081	VV	343964	4969196	14.40%	0.353%
134	9.094	9.081	9.113	VV	342267	5805108	16.82%	0.412%
135	9.144	9.113	9.168	VV	755287	14354355	41.60%	1.018%
136	9.188	9.168	9.211	VV	320690	7701585	22.32%	0.546%
137	9.239	9.211	9.268	VV	416716	11289333	32.71%	0.801%
138	9.284	9.268	9.298	VV	295233	5126431	14.86%	0.364%
139	9.320	9.298	9.351	VV	506352	11794006	34.18%	0.837%
140	9.372	9.351	9.392	VV	409117	8453700	24.50%	0.600%
141	9.405	9.392	9.413	VV	314680	3838364	11.12%	0.272%

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rteres

142	9.438	9.413	9.458	VV	564406	10805377	31.31%	0.767%
143	9.494	9.458	9.519	VV	1565000	25672233	74	
144	9.531	9.519	9.552	VV	345232	5751853	16	
145	9.582	9.552	9.596	VV	381382	8112082	23	
146	9.611	9.596	9.620	VV	357910	4771949	13	
147	9.635	9.620	9.656	VV	439313	7805924	22	
148	9.663	9.656	9.688	VV	317694	5620870	16.29%	0.399%
149	9.719	9.688	9.743	VV	445147	12165113	35.25%	0.863%
150	9.759	9.743	9.773	VV	392041	6589101	19.09%	0.468%
151	9.787	9.773	9.803	VV	360399	6020696	17.45%	0.427%
152	9.815	9.803	9.834	VV	341673	5869631	17.01%	0.416%
153	9.856	9.834	9.877	VV	405313	8955681	25.95%	0.635%
154	9.888	9.877	9.939	VV	351266	11311686	32.78%	0.803%
155	9.952	9.939	9.966	VV	276775	4270057	12.37%	0.303%
156	10.005	9.966	10.038	VV	367466	12984187	37.63%	0.921%
157	10.054	10.038	10.089	VV	329997	9147741	26.51%	0.649%
158	10.109	10.089	10.126	VV	341940	6696276	19.40%	0.475%
159	10.152	10.126	10.174	VV	496079	10736379	31.11%	0.762%
160	10.195	10.174	10.206	VV	419027	7352253	21.31%	0.522%
161	10.222	10.206	10.250	VV	508068	10081312	29.21%	0.715%
162	10.268	10.250	10.291	VV	336527	7817417	22.65%	0.555%
163	10.305	10.291	10.356	VV	468603	12642527	36.64%	0.897%
164	10.389	10.356	10.435	VV	305905	12324974	35.72%	0.874%
165	10.465	10.435	10.476	VV	309969	6822198	19.77%	0.484%
166	10.505	10.476	10.537	VV	428644	13112653	38.00%	0.930%
167	10.549	10.537	10.565	VV	342140	5388384	15.61%	0.382%
168	10.579	10.565	10.597	VV	320117	5827391	16.89%	0.413%
169	10.616	10.597	10.631	VV	375475	6768631	19.61%	0.480%
170	10.647	10.631	10.703	VV	349042	12641966	36.63%	0.897%
171	10.722	10.703	10.736	VV	296634	5421792	15.71%	0.385%
172	10.773	10.736	10.802	VV	296570	11282206	32.69%	0.801%
173	10.826	10.802	10.853	VV	310471	8449400	24.48%	0.600%
174	10.885	10.853	10.904	VV	296267	8363350	24.24%	0.593%
175	10.938	10.904	10.971	VV	1324837	24413744	70.75%	1.732%
176	11.000	10.971	11.013	VV	318806	7642202	22.15%	0.542%
177	11.025	11.013	11.055	VV	308589	7292857	21.13%	0.517%
178	11.091	11.055	11.120	VV	338428	11448751	33.18%	0.812%
179	11.137	11.120	11.155	VV	265467	5276429	15.29%	0.374%
180	11.215	11.155	11.246	VV	353974	15629555	45.29%	1.109%
181	11.268	11.246	11.279	VV	352866	6091359	17.65%	0.432%
182	11.287	11.279	11.306	VV	329762	5117750	14.83%	0.363%
183	11.363	11.306	11.388	VV	1794161	34508749	100.00%	2.449%
184	11.399	11.388	11.434	VV	344211	8437200	24.45%	0.599%
185	11.451	11.434	11.460	VV	269267	4050644	11.74%	0.287%
186	11.490	11.460	11.512	VV	287295	8373702	24.27%	0.594%
187	11.539	11.512	11.558	VV	334931	7962557	23.07%	0.565%
188	11.568	11.558	11.590	VV	294023	5456646	15.81%	0.387%
189	11.618	11.590	11.639	VV	333396	8573869	24.85%	0.608%
190	11.677	11.639	11.720	VV	448100	15128163	43.84%	1.073%
191	11.773	11.720	11.792	VV	274750	11216785	32.50%	0.796%
192	11.811	11.792	11.825	VV	273829	5169165	14.98%	0.367%
193	11.838	11.825	11.865	VV	271978	6193710	17.95%	0.439%
194	11.886	11.865	11.902	VV	262104	5659749	16.40%	0.402%

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rteres

195	11.979	11.902	11.997	VV	313254	15736839	45.60%	1.117%
196	12.009	11.997	12.032	VV	271950	5356088	15	
197	12.077	12.032	12.124	VV	1152609	25909743	75	
198	12.135	12.124	12.164	VV	256279	5726807	16	
199	12.178	12.164	12.201	VV	247149	5043887	14	
200	12.245	12.201	12.262	VV	283017	9176095	26	
201	12.279	12.262	12.331	VV	286830	10518563	30.48%	0.746%
202	12.352	12.331	12.371	VV	240239	5453418	15.80%	0.387%
203	12.387	12.371	12.406	VV	256086	5017699	14.54%	0.356%
204	12.424	12.406	12.440	VV	226717	4373270	12.67%	0.310%
205	12.464	12.440	12.478	VV	234878	5199917	15.07%	0.369%
206	12.494	12.478	12.503	VV	240866	3515771	10.19%	0.249%
207	12.533	12.503	12.555	VV	247063	7444219	21.57%	0.528%
208	12.569	12.555	12.591	VV	232299	4716796	13.67%	0.335%
209	12.627	12.591	12.652	VV	456693	11135947	32.27%	0.790%
210	12.667	12.652	12.701	VV	247396	6654525	19.28%	0.472%
211	12.755	12.701	12.774	VV	249483	9714365	28.15%	0.689%
212	12.781	12.774	12.818	VV	225074	5374341	15.57%	0.381%
213	12.850	12.818	12.859	VV	207650	4959224	14.37%	0.352%
214	12.871	12.859	12.892	VV	214821	3926848	11.38%	0.279%
215	12.918	12.892	12.931	VV	206629	4476064	12.97%	0.318%
216	12.941	12.931	12.984	VV	201300	6092011	17.65%	0.432%
217	12.996	12.984	13.034	VV	193448	5437912	15.76%	0.386%
218	13.077	13.034	13.116	VV	192026	8834090	25.60%	0.627%
219	13.149	13.116	13.179	VV	193678	6899626	19.99%	0.490%
220	13.203	13.179	13.233	VV	231556	6216705	18.01%	0.441%
221	13.281	13.233	13.331	VV	217122	10406332	30.16%	0.738%
222	13.348	13.331	13.367	VV	170316	3519504	10.20%	0.250%
223	13.381	13.367	13.404	VV	165223	3528278	10.22%	0.250%
224	13.427	13.404	13.485	VV	180703	7689582	22.28%	0.546%
225	13.500	13.485	13.514	VV	145717	2442577	7.08%	0.173%
226	13.557	13.514	13.591	VV	149381	6469427	18.75%	0.459%
227	13.607	13.591	13.624	VV	144408	2741600	7.94%	0.195%
228	13.641	13.624	13.678	VV	137091	4263459	12.35%	0.303%
229	13.727	13.678	13.752	VV	448302	9418473	27.29%	0.668%
230	13.775	13.752	13.806	VV	216685	5370324	15.56%	0.381%
231	13.823	13.806	13.845	VV	131298	2926916	8.48%	0.208%
232	13.854	13.845	13.887	VV	121769	2919974	8.46%	0.207%
233	13.937	13.887	13.959	VV	155790	5552307	16.09%	0.394%
234	13.969	13.959	13.981	VV	117350	1489586	4.32%	0.106%
235	13.993	13.981	14.038	VV	118631	3752272	10.87%	0.266%
236	14.059	14.038	14.078	VV	108478	2490580	7.22%	0.177%
237	14.113	14.078	14.139	VV	145436	4331515	12.55%	0.307%
238	14.159	14.139	14.187	VV	108779	2871186	8.32%	0.204%
239	14.208	14.187	14.274	VV	103661	4999233	14.49%	0.355%
240	14.320	14.274	14.358	VV	104414	4742288	13.74%	0.336%
241	14.380	14.358	14.421	VV	111624	3613871	10.47%	0.256%
242	14.460	14.421	14.487	VV	85656	3163979	9.17%	0.224%
243	14.511	14.487	14.521	VV	83545	1670153	4.84%	0.119%
244	14.529	14.521	14.541	VV	84029	979426	2.84%	0.069%
245	14.558	14.541	14.592	VV	84743	2387153	6.92%	0.169%
246	14.617	14.592	14.644	VV	79176	2351814	6.82%	0.167%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	14.705	14.644	14.739	VV	104079	4556106	13.20%	0.323%
248	14.772	14.739	14.817	VV	72525	3135008	9	
249	14.860	14.817	14.906	VV	72291	3571213	10	
250	14.918	14.906	14.991	VV	61656	3023878	8	
251	15.012	14.991	15.065	VV	62870	2385211	6	
252	15.097	15.065	15.122	VV	57080	1794466	5	
253	15.155	15.122	15.215	VV	64873	2972434	8.61%	0.211%
254	15.231	15.215	15.251	VV	46604	983452	2.85%	0.070%
255	15.274	15.251	15.294	VV	49653	1214215	3.52%	0.086%
256	15.314	15.294	15.367	VV	53630	1931200	5.60%	0.137%
257	15.383	15.367	15.401	VV	40792	808586	2.34%	0.057%
258	15.411	15.401	15.443	VV	40685	978481	2.84%	0.069%
259	15.463	15.443	15.514	VV	40394	1595463	4.62%	0.113%
260	15.528	15.514	15.546	VV	34666	645454	1.87%	0.046%
261	15.562	15.546	15.571	VV	35124	506167	1.47%	0.036%
262	15.579	15.571	15.601	VV	34977	622021	1.80%	0.044%
263	15.626	15.601	15.676	VV	37742	1555023	4.51%	0.110%
264	15.708	15.676	15.750	VV	36038	1389409	4.03%	0.099%
265	15.773	15.750	15.791	VV	29317	709813	2.06%	0.050%
266	15.815	15.791	15.878	VV	31495	1475833	4.28%	0.105%
267	15.907	15.878	15.968	VV	29688	1442474	4.18%	0.102%
268	16.014	15.968	16.064	VV	25577	1393173	4.04%	0.099%
269	16.113	16.064	16.241	VV	31406	2532488	7.34%	0.180%
270	16.262	16.241	16.298	VV	22988	717049	2.08%	0.051%
271	16.307	16.298	16.320	VV	19630	249354	0.72%	0.018%
272	16.344	16.320	16.358	VV	21261	468040	1.36%	0.033%
273	16.394	16.358	16.457	VV	26879	1309229	3.79%	0.093%
274	16.468	16.457	16.482	VV	19363	273438	0.79%	0.019%
275	16.490	16.482	16.526	VV	18092	467291	1.35%	0.033%
276	16.549	16.526	16.568	VV	18222	447238	1.30%	0.032%
277	16.581	16.568	16.594	VV	19328	294049	0.85%	0.021%
278	16.622	16.594	16.683	VV	22568	991075	2.87%	0.070%
279	16.698	16.683	16.724	VV	16184	390306	1.13%	0.028%
280	16.759	16.724	16.777	VV	17500	517520	1.50%	0.037%
281	16.818	16.777	16.853	VV	21318	852766	2.47%	0.061%
282	16.901	16.853	16.931	VV	24038	929413	2.69%	0.066%
283	16.970	16.931	16.992	VV	18933	641009	1.86%	0.045%
284	17.014	16.992	17.038	VV	17723	447356	1.30%	0.032%
285	17.060	17.038	17.081	VV	17576	429954	1.25%	0.031%
286	17.106	17.081	17.137	VV	16950	524527	1.52%	0.037%
287	17.151	17.137	17.160	VV	14749	196537	0.57%	0.014%
288	17.246	17.160	17.256	VV	17988	929945	2.69%	0.066%
289	17.287	17.256	17.314	VV	21239	663172	1.92%	0.047%
290	17.329	17.314	17.348	VV	17875	344230	1.00%	0.024%
291	17.360	17.348	17.380	VV	17071	327788	0.95%	0.023%
292	17.398	17.380	17.464	VV	18398	817101	2.37%	0.058%
293	17.501	17.464	17.510	VV	15792	405536	1.18%	0.029%
294	17.530	17.510	17.561	VV	18233	526137	1.52%	0.037%
295	17.581	17.561	17.604	VV	23142	487013	1.41%	0.035%
296	17.618	17.604	17.634	VV	17100	294391	0.85%	0.021%
297	17.649	17.634	17.710	VV	18756	772716	2.24%	0.055%
298	17.757	17.710	17.794	VV	20189	925331	2.68%	0.066%
299	17.813	17.794	17.834	VV	22331	475545	1.38%	0.034%

Instrument :
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EX-6-TPH-2

Manual IntegrationsAPPROVED

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rteres

300	17.880	17.834	17.926	VV	18984	948428	2.75%	0.067%
301	17.949	17.926	17.964	VV	17440	370964		
302	17.986	17.964	18.011	VV	23522	515451		
303	18.042	18.011	18.060	VV	17009	454432		
304	18.085	18.060	18.104	VV	19435	473049		
305	18.127	18.104	18.156	VV	20333	556649		
306	18.169	18.156	18.198	VV	15220	371262	1.08%	0.026%
307	18.210	18.198	18.232	VV	16358	315425	0.91%	0.022%
308	18.243	18.232	18.255	VV	14568	185927	0.54%	0.013%
309	18.275	18.255	18.290	VV	14870	297981	0.86%	0.021%
310	18.346	18.290	18.381	VV	20364	893720	2.59%	0.063%
311	18.417	18.381	18.475	VV	18627	888058	2.57%	0.063%
312	18.500	18.475	18.544	VV	16368	601950	1.74%	0.043%
313	18.599	18.544	18.658	VV	30994	1283648	3.72%	0.091%
314	18.691	18.658	18.719	VV	15367	502158	1.46%	0.036%
315	18.798	18.719	18.864	VV	17424	1178250	3.41%	0.084%
316	18.874	18.864	18.884	VV	10266	122737	0.36%	0.009%
317	18.929	18.884	18.942	VV	14530	429586	1.24%	0.030%
318	18.965	18.942	19.018	VV	31663	767154	2.22%	0.054%
319	19.029	19.018	19.051	VV	10994	212928	0.62%	0.015%
320	19.119	19.051	19.169	VV	14795	821056	2.38%	0.058%
321	19.208	19.169	19.223	VV	11318	345544	1.00%	0.025%
322	19.236	19.223	19.294	VV	11705	435220	1.26%	0.031%
323	19.305	19.294	19.354	VV	9945	346246	1.00%	0.025%
324	19.384	19.354	19.405	VV	16949	373296	1.08%	0.026%
325	19.432	19.405	19.472	VV	17585	509444	1.48%	0.036%
326	19.519	19.472	19.540	VV	12367	434495	1.26%	0.031%
327	19.562	19.540	19.580	VV	12978	284130	0.82%	0.020%
328	19.634	19.580	19.688	VV	14497	838703	2.43%	0.060%
329	19.711	19.688	19.753	VV	15633	461597	1.34%	0.033%
330	19.780	19.753	19.803	VV	12381	325882	0.94%	0.023%
331	19.836	19.803	19.858	VV	12445	367364	1.06%	0.026%
332	19.882	19.858	19.908	VV	11151	319041	0.92%	0.023%
333	19.926	19.908	19.951	VV	11265	283370	0.82%	0.020%
334	19.970	19.951	19.991	VV	10825	251149	0.73%	0.018%
335	20.038	19.991	20.073	VV	14519	628773	1.82%	0.045%
336	20.085	20.073	20.112	VV	12902	270276	0.78%	0.019%
337	20.126	20.112	20.151	VV	10769	230563	0.67%	0.016%
338	20.180	20.151	20.217	VV	11826	430033	1.25%	0.031%
339	20.247	20.217	20.269	VV	11436	346765	1.00%	0.025%
340	20.327	20.269	20.371	VV	12716	725524	2.10%	0.051%
341	20.431	20.371	20.471	VV	14974	818974	2.37%	0.058%
342	20.482	20.471	20.513	VV	13704	320896	0.93%	0.023%
343	20.536	20.513	20.558	VV	13223	339956	0.99%	0.024%
344	20.597	20.558	20.609	VV	14571	413927	1.20%	0.029%
345	20.652	20.609	20.684	VV	14701	633492	1.84%	0.045%
346	20.730	20.684	20.771	VV	15407	755684	2.19%	0.054%
347	20.865	20.771	20.908	VV	17331	1235876	3.58%	0.088%
348	20.951	20.908	20.998	VV	16362	843555	2.44%	0.060%
349	21.013	20.998	21.028	VV	15385	275435	0.80%	0.020%
350	21.032	21.028	21.075	VV	15354	420627	1.22%	0.030%
351	21.111	21.075	21.144	VV	14959	593796	1.72%	0.042%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

					rteres			
352	21.156	21.144	21.173	VV	14427	242600	0.70%	0.017%
353	21.188	21.173	21.201	VV	14511	239016		
354	21.231	21.201	21.281	VV	13992	640258		
355	21.298	21.281	21.358	VV	13585	579062		
356	21.414	21.358	21.467	VV	13918	835291		
357	21.522	21.467	21.547	VV	12278	562697		
358	21.570	21.547	21.721	VV	12789	1109063	3.21%	0.079%
359	21.775	21.721	21.791	VV	10391	404924	1.17%	0.029%
360	21.807	21.791	21.890	VV	9738	540134	1.57%	0.038%
361	21.901	21.890	22.031	VV	8736	600760	1.74%	0.043%
362	22.052	22.031	22.102	VV	6579	254902	0.74%	0.018%
363	22.111	22.102	22.124	VV	5042	64699	0.19%	0.005%
364	22.188	22.124	22.302	VV	5784	519159	1.50%	0.037%
365	22.319	22.302	22.351	VBA	4109	145103	0.42%	0.010%

Sum of corrected areas: 1409381267

Aliphatic EPH 020325.M Sat Feb 08 03:57:25 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-2DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-03DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052298.D	10	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		139		4.52	11.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		402	E	2.85	7.93	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		374	E	3.57	11.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		69.6		9.51	15.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.5		21.4	23.8	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		4.40		40 - 140	88%	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:	Q1308-03DL	Acq On:	07 Feb 2025 19:56
Client Sample ID:	EX-6-TPH-2DL	Operator:	YP\AJ
Data file:	FE052298.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	16963130	176.361	300	ug/ml
Aliphatic C12-C16	7.236	10.639	53152091	507.592	200	ug/ml
Aliphatic C16-C21	10.640	13.984	53364782	472.161	300	ug/ml
Aliphatic C21-C28	13.985	17.628	10006323	87.776	400	ug/ml
Aliphatic C28-C40	17.629	22.712	3063408	33.46	600	ug/ml
Aliphatic EPH	3.679	22.712	136549734	1280		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.716	13.716	433830	4.4		ug/ml
Aliphatic C9-C28	3.679	17.628	133486326	1240	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052298.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 19:56
Operator : YP\AJ
Sample : Q1308-03DL 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:27:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-6-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.716	433830	4.396 ug/mlm
Spiked Amount 50.000		Recovery =	8.79%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052298.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 19:56
Operator : YP\AJ
Sample : Q1308-03DL 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

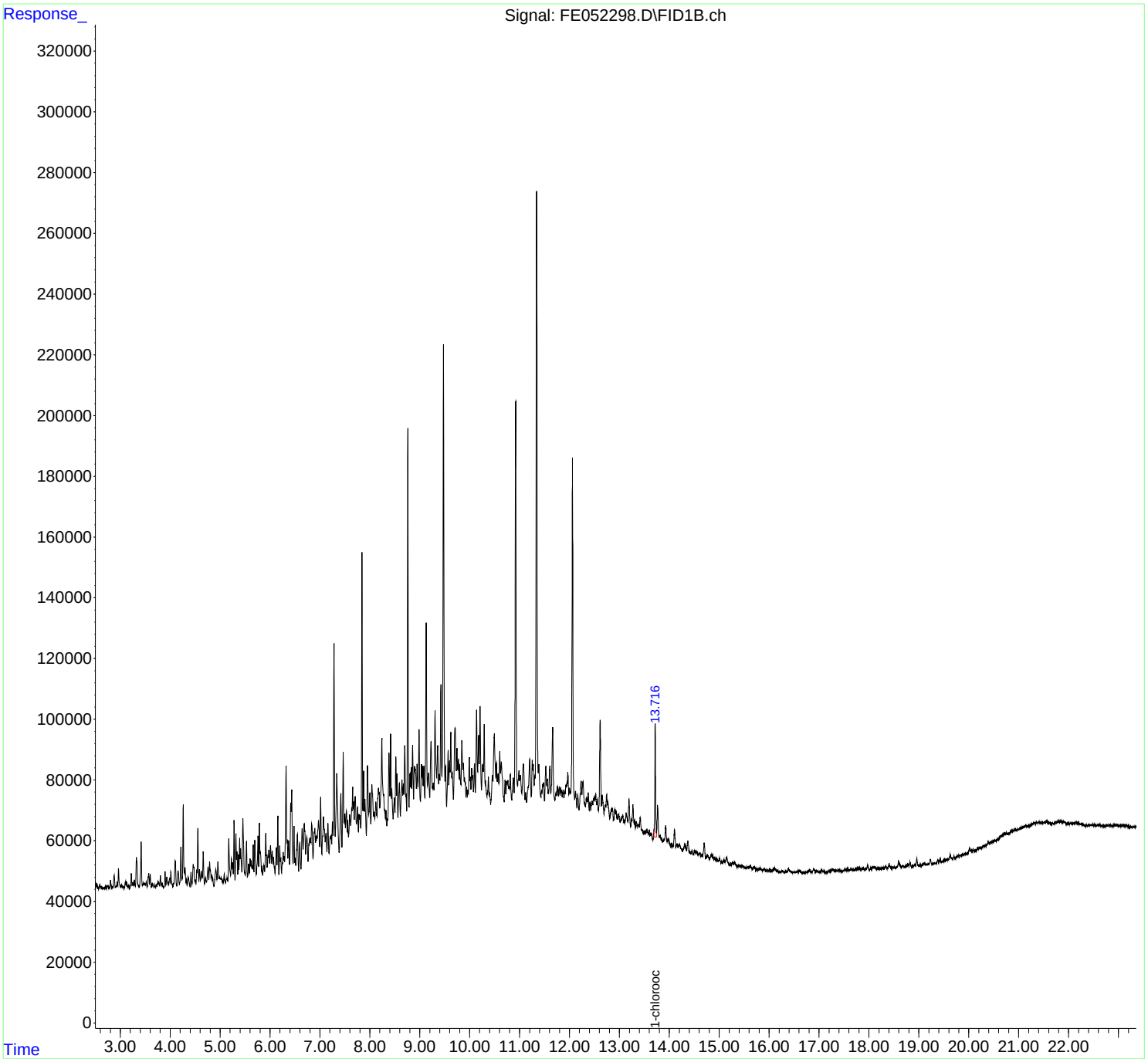
Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL

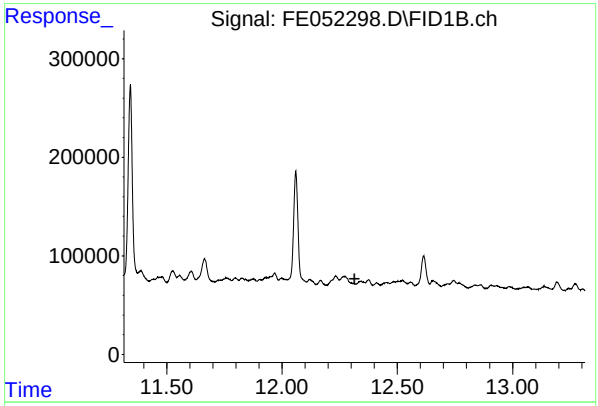
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:27:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





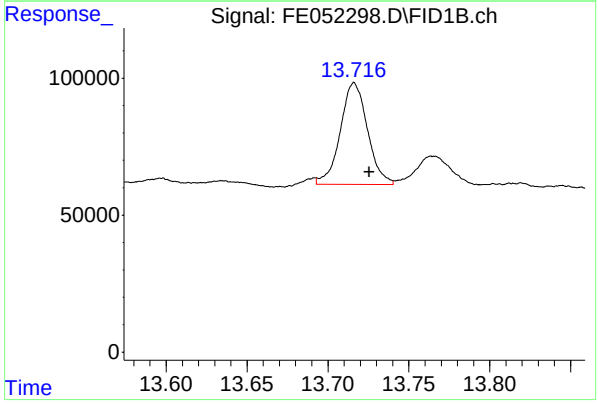
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.716 min
Delta R.T.: -0.010 min
Response: 433830
Conc: 4.40 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052298.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 19:56
Sample : Q1308-03DL 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.204	3.236	PH	3991	32366	0.80%	0.023%
2	3.249	3.236	3.266	PV	925	10390	0.26%	0.008%
3	3.282	3.266	3.300	VV	1872	16782	0.41%	0.012%
4	3.323	3.300	3.382	PV	9029	138111	3.40%	0.100%
5	3.417	3.382	3.443	PV	14391	157914	3.89%	0.114%
6	3.461	3.443	3.478	VV	735	10987	0.27%	0.008%
7	3.493	3.478	3.505	VV	622	8804	0.22%	0.006%
8	3.518	3.505	3.538	VV	1221	9652	0.24%	0.007%
9	3.569	3.538	3.584	PV	4048	54967	1.35%	0.040%
10	3.599	3.584	3.621	VV	3682	36393	0.90%	0.026%
11	3.650	3.621	3.677	PV	629	3400	0.08%	0.002%
12	3.694	3.677	3.708	PV	364	-1753	-0.04%	-0.001%
13	3.757	3.708	3.785	PV	1363	23613	0.58%	0.017%
14	3.804	3.785	3.822	PV	3385	30134	0.74%	0.022%
15	3.838	3.822	3.869	PV	985	4081	0.10%	0.003%
16	3.897	3.869	3.914	PV	4736	36638	0.90%	0.027%
17	3.931	3.914	3.971	VV	2800	47549	1.17%	0.034%
18	3.987	3.971	3.998	VV	2572	25214	0.62%	0.018%
19	4.013	3.998	4.052	VV	4490	53867	1.33%	0.039%
20	4.101	4.052	4.130	PV	8200	130493	3.22%	0.094%
21	4.158	4.130	4.183	PV	4855	75923	1.87%	0.055%
22	4.213	4.183	4.238	VV	12771	148937	3.67%	0.108%
23	4.260	4.238	4.286	VV	26630	302903	7.47%	0.219%
24	4.298	4.286	4.316	VV	6038	68795	1.70%	0.050%
25	4.328	4.316	4.343	VV	2152	20889	0.51%	0.015%
26	4.360	4.343	4.397	VV	2787	44738	1.10%	0.032%
27	4.416	4.397	4.433	PV	4431	39011	0.96%	0.028%
28	4.461	4.433	4.515	VV	6979	163801	4.04%	0.119%
29	4.554	4.515	4.573	VV	18868	250350	6.17%	0.181%
30	4.586	4.573	4.606	VV	5368	66458	1.64%	0.048%
31	4.624	4.606	4.640	VV	4749	69935	1.72%	0.051%
32	4.662	4.640	4.687	VV	11236	143010	3.52%	0.103%
33	4.706	4.687	4.728	VV	2579	40351	0.99%	0.029%
34	4.758	4.728	4.773	VV	6215	99262	2.45%	0.072%
35	4.790	4.773	4.821	VV	7828	139537	3.44%	0.101%
36	4.830	4.821	4.874	VV	3522	62673	1.54%	0.045%

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rteres

37	4.913	4.874	4.936	PV	5407	110284	2.72%	0.080%
38	4.955	4.936	4.978	VV	7902	112641	2	
39	4.989	4.978	4.999	VV	2720	32849	0	
40	5.015	4.999	5.045	VV	2522	59308	1	
41	5.054	5.045	5.065	VV	1671	16396	0	
42	5.082	5.065	5.111	VV	3945	59770	1	
43	5.139	5.111	5.153	VV	2610	51909	1.28%	0.038%
44	5.174	5.153	5.210	VV	15444	241652	5.96%	0.175%
45	5.226	5.210	5.238	VV	9075	106267	2.62%	0.077%
46	5.248	5.238	5.263	VV	7645	94817	2.34%	0.069%
47	5.280	5.263	5.299	VV	21502	221072	5.45%	0.160%
48	5.317	5.299	5.329	VV	16867	184680	4.55%	0.134%
49	5.338	5.329	5.355	VV	11181	128604	3.17%	0.093%
50	5.368	5.355	5.378	VV	10216	100690	2.48%	0.073%
51	5.391	5.378	5.402	VV	15632	160203	3.95%	0.116%
52	5.411	5.402	5.435	VV	12227	174738	4.31%	0.126%
53	5.457	5.435	5.503	VV	21844	423281	10.43%	0.306%
54	5.528	5.503	5.549	VV	14668	209043	5.15%	0.151%
55	5.571	5.549	5.587	VV	7173	116347	2.87%	0.084%
56	5.602	5.587	5.611	VV	8846	101649	2.51%	0.074%
57	5.622	5.611	5.647	VV	8258	147153	3.63%	0.106%
58	5.663	5.647	5.677	VV	13407	156744	3.86%	0.113%
59	5.695	5.677	5.725	VV	15045	255306	6.29%	0.185%
60	5.760	5.725	5.772	VV	16500	261995	6.46%	0.190%
61	5.786	5.772	5.853	VV	20562	461985	11.39%	0.334%
62	5.879	5.853	5.892	VV	6719	127138	3.13%	0.092%
63	5.915	5.892	5.943	VV	17314	312568	7.70%	0.226%
64	5.976	5.943	5.991	VV	11769	267283	6.59%	0.193%
65	6.010	5.991	6.027	VV	13368	224692	5.54%	0.163%
66	6.043	6.027	6.059	VV	11426	181287	4.47%	0.131%
67	6.070	6.059	6.099	VV	9374	165716	4.08%	0.120%
68	6.127	6.099	6.140	VV	12551	209394	5.16%	0.152%
69	6.157	6.140	6.177	VV	22820	278296	6.86%	0.201%
70	6.195	6.177	6.231	VV	13126	262002	6.46%	0.190%
71	6.264	6.231	6.275	VV	11088	207484	5.11%	0.150%
72	6.283	6.275	6.293	VV	9678	97775	2.41%	0.071%
73	6.321	6.293	6.358	VV	39449	731699	18.03%	0.529%
74	6.373	6.358	6.392	VV	14972	232473	5.73%	0.168%
75	6.416	6.392	6.423	VV	27291	342461	8.44%	0.248%
76	6.434	6.423	6.462	VV	31527	450939	11.11%	0.326%
77	6.481	6.462	6.516	VV	19594	348649	8.59%	0.252%
78	6.548	6.516	6.574	VV	16968	396382	9.77%	0.287%
79	6.596	6.574	6.621	VV	14133	272873	6.73%	0.197%
80	6.643	6.621	6.664	VV	18680	347142	8.56%	0.251%
81	6.685	6.664	6.715	VV	20460	498568	12.29%	0.361%
82	6.738	6.715	6.763	VV	16042	375757	9.26%	0.272%
83	6.796	6.763	6.819	VV	15624	460572	11.35%	0.333%
84	6.836	6.819	6.862	VV	20451	414649	10.22%	0.300%
85	6.897	6.862	6.911	VV	18891	453888	11.19%	0.328%
86	6.972	6.911	6.995	VV	21451	859342	21.18%	0.622%
87	7.014	6.995	7.038	VV	29089	487785	12.02%	0.353%
88	7.072	7.038	7.106	VV	22814	710378	17.51%	0.514%
89	7.122	7.106	7.140	VV	17096	310528	7.65%	0.225%

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90	7.161	7.140	7.182	VV	20538	381501	9.40%	0.276%
91	7.224	7.182	7.236	VV	16610	478117	11	
92	7.252	7.236	7.263	VV	20985	290773	7	
93	7.283	7.263	7.306	VV	79545	1005389	24	
94	7.338	7.306	7.385	VV	36924	1110216	27	
95	7.419	7.385	7.442	VV	30344	674030	16	
96	7.467	7.442	7.485	VV	44097	714321	17.61%	0.517%
97	7.498	7.485	7.512	VV	23736	341999	8.43%	0.247%
98	7.531	7.512	7.548	VV	24580	472567	11.65%	0.342%
99	7.558	7.548	7.573	VV	21543	285089	7.03%	0.206%
100	7.596	7.573	7.616	VV	23071	528929	13.04%	0.383%
101	7.656	7.616	7.688	VV	32318	1101735	27.16%	0.797%
102	7.707	7.688	7.732	VV	29377	670944	16.54%	0.486%
103	7.754	7.732	7.771	VV	25847	508363	12.53%	0.368%
104	7.785	7.771	7.817	VV	23533	593201	14.62%	0.429%
105	7.843	7.817	7.861	VV	108810	1340953	33.05%	0.970%
106	7.877	7.861	7.892	VV	37903	582463	14.36%	0.421%
107	7.902	7.892	7.930	VV	28401	531288	13.10%	0.384%
108	8.000	7.978	8.020	VV	30715	641151	15.80%	0.464%
109	8.042	8.020	8.075	VV	33383	906211	22.34%	0.656%
110	8.084	8.075	8.099	VV	24192	338140	8.33%	0.245%
111	8.122	8.099	8.142	VV	27465	641829	15.82%	0.464%
112	8.172	8.142	8.201	VV	32133	1011703	24.94%	0.732%
113	8.324	8.313	8.341	VV	24740	377560	9.31%	0.273%
114	8.384	8.341	8.403	VV	43620	1112632	27.42%	0.805%
115	8.418	8.403	8.467	VV	50039	1265110	31.18%	0.915%
116	8.492	8.467	8.503	VV	28670	557084	13.73%	0.403%
117	8.522	8.503	8.537	VV	42352	686689	16.93%	0.497%
118	8.547	8.537	8.563	VV	37005	492905	12.15%	0.357%
119	8.592	8.563	8.612	VV	33641	838395	20.66%	0.607%
120	8.645	8.612	8.660	VV	34941	862253	21.25%	0.624%
121	8.673	8.660	8.682	VV	33499	413034	10.18%	0.299%
122	8.805	8.786	8.819	VV	36893	655086	16.15%	0.474%
123	8.831	8.819	8.842	VV	38910	504727	12.44%	0.365%
124	8.857	8.842	8.878	VV	46194	803491	19.80%	0.581%
125	8.895	8.878	8.933	VV	39064	1197662	29.52%	0.867%
126	8.947	8.933	8.963	VV	40023	634631	15.64%	0.459%
127	8.987	8.963	9.013	VV	51464	1145267	28.23%	0.829%
128	9.034	9.013	9.043	VV	39722	608500	15.00%	0.440%
129	9.053	9.043	9.068	VV	39569	563757	13.90%	0.408%
130	9.083	9.068	9.101	VV	39659	681007	16.79%	0.493%
131	9.227	9.200	9.257	VV	47599	1302804	32.11%	0.943%
132	9.272	9.257	9.284	VV	33829	541306	13.34%	0.392%
133	9.307	9.284	9.340	VV	57323	1409474	34.74%	1.020%
134	9.392	9.379	9.402	VV	36475	480701	11.85%	0.348%
135	9.424	9.402	9.444	VV	66089	1188802	29.30%	0.860%
136	9.518	9.507	9.539	VV	39396	667708	16.46%	0.483%
137	9.569	9.539	9.583	VV	44655	929406	22.91%	0.673%
138	9.598	9.583	9.608	VV	41032	562443	13.86%	0.407%
139	9.623	9.608	9.643	VV	50329	890012	21.94%	0.644%
140	9.708	9.675	9.731	VV	51727	1439155	35.47%	1.041%
141	9.747	9.731	9.762	VV	45161	750421	18.50%	0.543%

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142	9.802	9.791	9.823	VV	39506	710973	17.52%	0.514%
143	9.845	9.823	9.864	VV	47701	1004708	24	
144	9.874	9.864	9.927	VV	40192	1334638	32	
145	9.940	9.927	9.954	VV	32316	488060	12	
146	9.965	9.954	9.973	VV	31553	355218	8	
147	9.994	9.973	10.027	VV	42154	1161229	28	
148	10.042	10.027	10.077	VV	38463	1052433	25.94%	0.762%
149	10.098	10.077	10.115	VV	40182	804876	19.84%	0.582%
150	10.140	10.115	10.161	VV	57680	1206543	29.74%	0.873%
151	10.180	10.161	10.193	VV	49362	846185	20.86%	0.612%
152	10.210	10.193	10.239	VV	59042	1215534	29.96%	0.880%
153	10.258	10.239	10.276	VV	39724	845769	20.85%	0.612%
154	10.377	10.346	10.423	VV	35546	1409344	34.74%	1.020%
155	10.455	10.423	10.465	VV	36154	804031	19.82%	0.582%
156	10.538	10.526	10.556	VV	40507	677516	16.70%	0.490%
157	10.570	10.556	10.585	VV	36962	621359	15.32%	0.450%
158	10.605	10.585	10.618	VV	44261	760359	18.74%	0.550%
159	10.711	10.691	10.725	VV	34830	651272	16.05%	0.471%
160	10.742	10.725	10.750	VV	34227	495083	12.20%	0.358%
161	10.815	10.795	10.842	VV	36645	932605	22.99%	0.675%
162	10.876	10.842	10.892	VV	35309	970161	23.91%	0.702%
163	10.987	10.959	11.000	VV	37821	857831	21.14%	0.621%
164	11.018	11.000	11.045	VV	36226	917816	22.62%	0.664%
165	11.076	11.045	11.108	VV	40017	1317060	32.46%	0.953%
166	11.124	11.108	11.141	VV	30715	581481	14.33%	0.421%
167	11.256	11.234	11.293	VV	41475	1302093	32.09%	0.942%
168	11.342	11.293	11.375	VV	226059	4057166	100.00%	2.936%
169	11.387	11.375	11.423	VV	39832	1007762	24.84%	0.729%
170	11.480	11.423	11.500	VV	34034	1441658	35.53%	1.043%
171	11.526	11.500	11.545	VV	39264	932992	23.00%	0.675%
172	11.556	11.545	11.576	VV	34817	626907	15.45%	0.454%
173	11.606	11.576	11.627	VV	39398	1041713	25.68%	0.754%
174	11.664	11.627	11.707	VV	51712	1778621	43.84%	1.287%
175	11.760	11.707	11.781	VV	32138	1357574	33.46%	0.982%
176	11.798	11.781	11.813	VV	32311	581795	14.34%	0.421%
177	11.827	11.813	11.854	VV	32162	777572	19.17%	0.563%
178	11.876	11.854	11.891	VV	31530	670026	16.51%	0.485%
179	11.968	11.891	11.986	VV	37230	1845073	45.48%	1.335%
180	11.999	11.986	12.023	VV	32011	698963	17.23%	0.506%
181	12.060	12.023	12.106	VV	139648	2888168	71.19%	2.090%
182	12.121	12.106	12.148	VV	31025	731599	18.03%	0.529%
183	12.167	12.148	12.191	VV	29847	696524	17.17%	0.504%
184	12.233	12.191	12.249	VV	34435	1041338	25.67%	0.754%
185	12.270	12.249	12.320	VV	34201	1280688	31.57%	0.927%
186	12.341	12.320	12.360	VV	28858	674978	16.64%	0.488%
187	12.375	12.360	12.395	VV	30525	580843	14.32%	0.420%
188	12.411	12.395	12.427	VV	27378	507653	12.51%	0.367%
189	12.453	12.427	12.468	VV	27721	662294	16.32%	0.479%
190	12.523	12.468	12.545	VV	29946	1307758	32.23%	0.946%
191	12.558	12.545	12.578	VV	28235	539421	13.30%	0.390%
192	12.614	12.578	12.641	VV	54357	1351384	33.31%	0.978%
193	12.655	12.641	12.690	VV	29857	811255	20.00%	0.587%
194	12.745	12.690	12.807	VV	29777	1819501	44.85%	1.317%

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195	12.838	12.807	12.849	VV	25005	611523	15.07%	0.443%
196	12.861	12.849	12.883	VV	25528	484151	11	
197	12.907	12.883	12.921	VV	24789	538231	13	
198	12.931	12.921	12.969	VV	24728	668035	16	
199	12.985	12.969	13.014	VV	23482	601836	14	
200	13.067	13.014	13.101	VV	23344	1147698	28	
201	13.136	13.101	13.170	VV	23862	913908	22.53%	0.661%
202	13.193	13.170	13.228	VV	28483	808576	19.93%	0.585%
203	13.272	13.228	13.294	VV	26584	897340	22.12%	0.649%
204	13.303	13.294	13.321	VV	21233	326224	8.04%	0.236%
205	13.337	13.321	13.355	VV	21035	417847	10.30%	0.302%
206	13.373	13.355	13.396	VH	20246	492145	12.13%	0.356%
207	13.417	13.396	13.474	HH	22070	912271	22.49%	0.660%
208	13.492	13.474	13.504	HH	17874	307676	7.58%	0.223%
209	13.516	13.504	13.527	HH	17811	240324	5.92%	0.174%
210	13.552	13.527	13.578	HH	18446	548116	13.51%	0.397%
211	13.596	13.578	13.614	HH	18409	380618	9.38%	0.275%
212	13.634	13.614	13.668	HH	17367	527730	13.01%	0.382%
213	13.716	13.668	13.742	HH	52629	1160143	28.59%	0.840%
214	13.765	13.742	13.796	HH	26370	662252	16.32%	0.479%
215	13.817	13.796	13.833	HH	16448	354962	8.75%	0.257%
216	13.844	13.833	13.869	HH	15696	330743	8.15%	0.239%
217	13.928	13.869	13.971	HH	19814	973576	24.00%	0.705%
218	13.983	13.971	14.028	HV	15171	482372	11.89%	0.349%
219	14.050	14.028	14.074	VV	13874	369717	9.11%	0.268%
220	14.104	14.074	14.131	VV	18280	510364	12.58%	0.369%
221	14.151	14.131	14.175	VV	13537	341187	8.41%	0.247%
222	14.195	14.175	14.261	VV	13424	643814	15.87%	0.466%
223	14.311	14.261	14.345	VV	13233	606691	14.95%	0.439%
224	14.371	14.345	14.414	VV	14161	500579	12.34%	0.362%
225	14.427	14.414	14.438	VV	10381	142101	3.50%	0.103%
226	14.456	14.438	14.477	VV	11027	243763	6.01%	0.176%
227	14.501	14.477	14.541	VV	10879	398579	9.82%	0.288%
228	14.549	14.541	14.591	VV	10504	295946	7.29%	0.214%
229	14.612	14.591	14.638	VV	9964	268554	6.62%	0.194%
230	14.655	14.638	14.668	VV	9109	162277	4.00%	0.117%
231	14.698	14.668	14.738	VV	13003	431234	10.63%	0.312%
232	14.764	14.738	14.811	VV	9211	372407	9.18%	0.269%
233	14.854	14.811	14.899	VV	8885	440373	10.85%	0.319%
234	14.908	14.899	14.983	VV	7754	372546	9.18%	0.270%
235	15.003	14.983	15.064	VV	7802	328625	8.10%	0.238%
236	15.093	15.064	15.113	VV	7071	193387	4.77%	0.140%
237	15.146	15.113	15.209	VV	7909	372838	9.19%	0.270%
238	15.224	15.209	15.241	VV	5539	105732	2.61%	0.077%
239	15.267	15.241	15.284	VV	6066	148003	3.65%	0.107%
240	15.306	15.284	15.355	VV	6233	226382	5.58%	0.164%
241	15.376	15.355	15.433	VV	4896	216858	5.35%	0.157%
242	15.459	15.433	15.544	VV	4727	282776	6.97%	0.205%
243	15.560	15.544	15.578	VV	4215	80646	1.99%	0.058%
244	15.585	15.578	15.595	VV	4056	40800	1.01%	0.030%
245	15.618	15.595	15.666	VV	4278	164762	4.06%	0.119%
246	15.700	15.666	15.738	VV	4046	152654	3.76%	0.110%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	15.762	15.738	15.784	VV	3201	83722	2.06%	0.061%
248	15.817	15.784	15.868	VV	3342	151616		
249	15.898	15.868	15.943	VV	3045	123032		
250	15.978	15.943	15.988	VV	2547	67663		
251	16.012	15.988	16.048	VV	2536	86491		
252	16.103	16.048	16.209	VV	3173	223200		
253	16.227	16.209	16.238	VV	1728	28210	0.70%	0.020%
254	16.258	16.238	16.311	VV	2058	75750	1.87%	0.055%
255	16.332	16.311	16.352	VV	1757	40039	0.99%	0.029%
256	16.385	16.352	16.448	VV	2413	104904	2.59%	0.076%
257	16.457	16.448	16.493	VV	1468	34651	0.85%	0.025%
258	16.537	16.493	16.549	VV	1279	40634	1.00%	0.029%
259	16.576	16.549	16.590	VV	1474	32220	0.79%	0.023%
260	16.614	16.590	16.664	VV	1706	56805	1.40%	0.041%
261	16.672	16.664	16.681	VV	880	8596	0.21%	0.006%
262	16.688	16.681	16.701	VV	893	10486	0.26%	0.008%
263	16.709	16.701	16.724	VV	868	11716	0.29%	0.008%
264	16.750	16.724	16.768	VV	1116	24729	0.61%	0.018%
265	16.796	16.768	16.803	VV	1409	24423	0.60%	0.018%
266	16.813	16.803	16.847	VV	1394	28386	0.70%	0.021%
267	16.895	16.847	16.931	VV	1729	60088	1.48%	0.043%
268	16.962	16.931	16.994	VV	980	33727	0.83%	0.024%
269	17.007	16.994	17.024	VV	841	13062	0.32%	0.009%
270	17.054	17.024	17.078	VV	1020	26404	0.65%	0.019%
271	17.090	17.078	17.120	VV	881	16563	0.41%	0.012%
272	17.132	17.120	17.137	VV	469	4468	0.11%	0.003%
273	17.147	17.137	17.157	VV	493	5416	0.13%	0.004%
274	17.274	17.157	17.321	VV	1234	73853	1.82%	0.053%
275	17.326	17.321	17.344	VV	764	9355	0.23%	0.007%
276	17.359	17.344	17.369	VV	715	9481	0.23%	0.007%
277	17.392	17.369	17.468	VV	855	31405	0.77%	0.023%
278	17.518	17.468	17.554	VV	1093	32103	0.79%	0.023%
279	17.574	17.554	17.597	VV	1286	19530	0.48%	0.014%
280	17.643	17.597	17.704	VV	726	33599	0.83%	0.024%
281	17.749	17.704	17.784	VV	814	32030	0.79%	0.023%
282	17.805	17.784	17.833	VV	1059	21926	0.54%	0.016%
283	17.866	17.833	17.920	VV	777	26729	0.66%	0.019%
284	17.942	17.920	17.951	VV	613	8520	0.21%	0.006%
285	17.974	17.951	18.001	VV	1743	27421	0.68%	0.020%
286	18.037	18.001	18.051	VV	503	9401	0.23%	0.007%
287	18.077	18.051	18.104	VV	761	18352	0.45%	0.013%
288	18.120	18.104	18.152	VV	970	15873	0.39%	0.011%
289	18.169	18.152	18.181	VV	249	3349	0.08%	0.002%
290	18.205	18.181	18.248	VV	387	8531	0.21%	0.006%
291	18.278	18.248	18.284	VV	277	3872	0.10%	0.003%
292	18.302	18.284	18.314	VV	274	4237	0.10%	0.003%
293	18.338	18.314	18.368	VV	846	15708	0.39%	0.011%
294	18.404	18.368	18.467	VV	1688	32712	0.81%	0.024%
295	18.494	18.467	18.508	VV	424	6013	0.15%	0.004%
296	18.517	18.508	18.542	VV	293	3781	0.09%	0.003%
297	18.592	18.542	18.650	VV	2341	53595	1.32%	0.039%
298	18.678	18.650	18.714	VV	468	10188	0.25%	0.007%
299	18.725	18.714	18.731	VV	181	861	0.02%	0.001%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL

Manual IntegrationsAPPROVED

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rteres

300	18.790	18.731	18.802	VV	825	22836	0.56%	0.017%
301	18.822	18.802	18.853	VV	1597	23121		
302	18.922	18.853	18.933	PV	542	10300		
303	18.958	18.933	19.007	VV	2574	38160		
304	19.025	19.007	19.034	VV	174	2107		
305	19.042	19.034	19.054	VV	183	1332		
306	19.114	19.054	19.155	VV	584	16873	0.42%	0.012%
307	19.199	19.155	19.207	PV	261	4867	0.12%	0.004%
308	19.232	19.207	19.260	VV	1681	24216	0.60%	0.018%
309	19.273	19.260	19.285	VV	191	2005	0.05%	0.001%
310	19.377	19.285	19.401	PV	886	15773	0.39%	0.011%
311	19.425	19.401	19.451	VV	919	15125	0.37%	0.011%
312	19.458	19.451	19.464	VV	138	969	0.02%	0.001%
313	19.513	19.464	19.530	VV	320	7820	0.19%	0.006%
314	19.628	19.530	19.669	VV	1683	45210	1.11%	0.033%
315	19.703	19.669	19.737	VV	876	15872	0.39%	0.011%
316	19.776	19.737	19.803	VV	791	19391	0.48%	0.014%
317	20.015	19.803	20.068	VV	2259	144529	3.56%	0.105%
318	20.300	20.140	20.314	VV	1917	153076	3.77%	0.111%
319	20.539	20.408	20.554	VV	2840	226741	5.59%	0.164%
320	20.715	20.554	20.723	VV	4056	348215	8.58%	0.252%
321	20.749	20.723	20.771	VV	4352	117250	2.89%	0.085%
322	20.862	20.771	20.882	VV	4706	278561	6.87%	0.202%
323	20.941	20.882	20.980	VV	4757	268534	6.62%	0.194%
324	21.051	20.980	21.061	VV	4774	226375	5.58%	0.164%
325	21.136	21.061	21.165	VV	5087	302989	7.47%	0.219%
326	21.299	21.184	21.316	VV	5349	394463	9.72%	0.285%

Sum of corrected areas: 138189643

Aliphatic EPH 020325.M Mon Feb 10 02:51:12 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-2DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-03DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015499.D	10	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	87.4		3.57	7.93	mg/kg
Aromatic C12-C16	Aromatic C12-C16	287	E	4.04	11.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	544	E	11.4	19.8	mg/kg
Aromatic C21-C36	Aromatic C21-C36	68.8		23.8	31.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	8.12		40 - 140	162%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	5.02		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.25		40 - 140	105%	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:	Q1308-03DL	Acq On:	07 Feb 2025 19:12
Client Sample ID:	EX-6-TPH-2DL	Operator:	YP\AJ
Data file:	FF015499.D	Misc:	
Instrument:	FID_F	ALS Vial:	83
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	15219255	110.187	200	ug/ml
Aromatic C12-C16	6.375	9.068	48696696	362.962	300	ug/ml
Aromatic C16-C21	9.069	13.385	84687395	687.395	500	ug/ml
Aromatic C21-C36	13.386	18.838	10225317	86.82	800	ug/ml
Aromatic EPH	4.505	18.838	158828663	1250		ug/ml
2-Bromonaphthalene (SURR)	7.995	7.995	965186	8.12		ug/ml
2-Flurobiphenyl (SURR)	8.871	8.871	380968	5.02		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	692374	5.25		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015499.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 19:12
Operator : YP\AJ
Sample : Q1308-03DL 10X
Misc :
ALS Vial : 83 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:37:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-6-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.995	965186	8.121 ug/mlm
Spiked Amount 50.000		Recovery =	16.24%
6) S 2-Flurobiphenyl (SURR)	8.871	380968	5.017 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.03%
11) S ortho-Terphenyl (SURR)	11.930	692374	5.250 ug/mlm
Spiked Amount 50.000		Recovery =	10.50%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015499.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 19:12
Operator : YP\AJ
Sample : Q1308-03DL 10X
Misc :
ALS Vial : 83 Sample Multiplier: 1

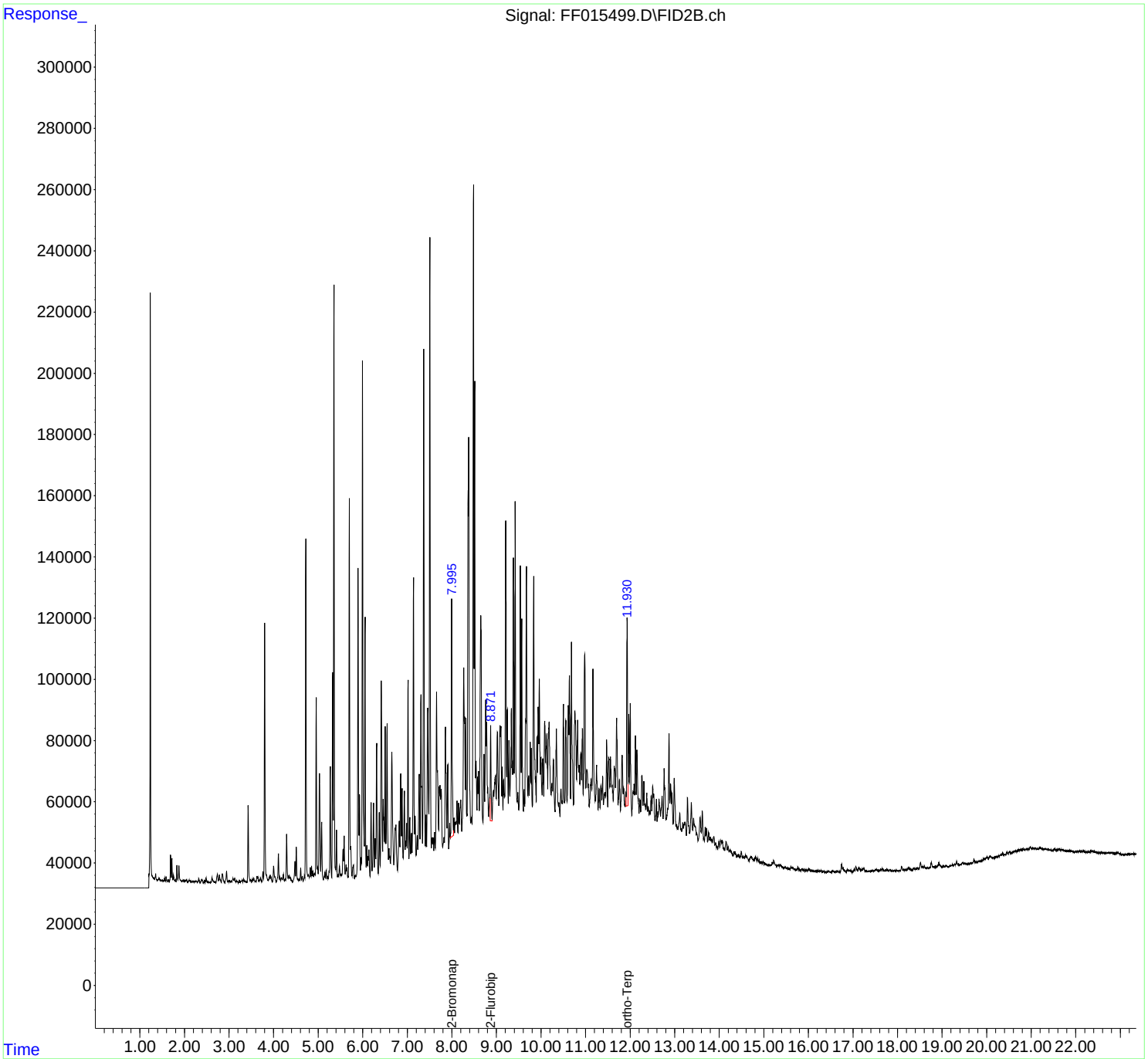
Integration File: autoint1.e
Quant Time: Feb 10 00:37:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

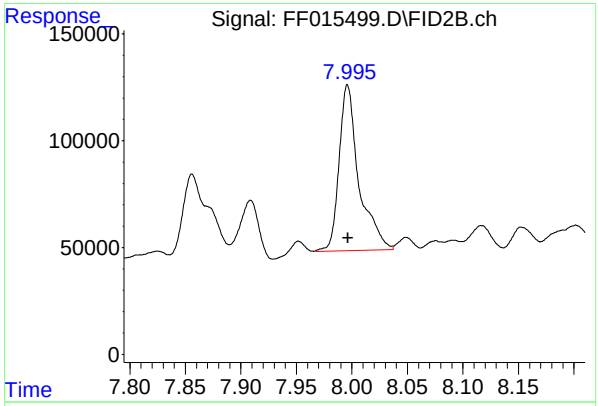
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





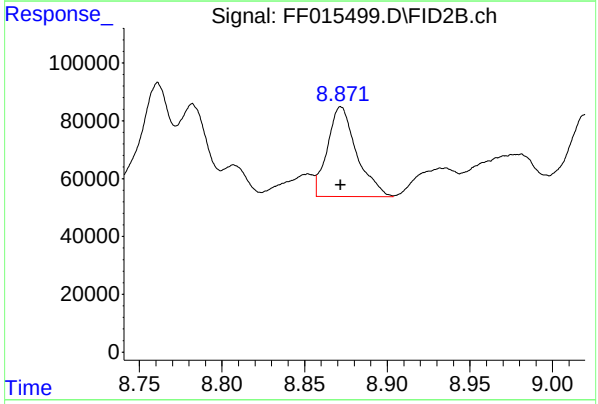
#4 2-Bromonaphthalene (SURR)

R.T.: 7.995 min
Delta R.T.: -0.001 mi
Response: 965186
Conc: 8.12 ug/m

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL

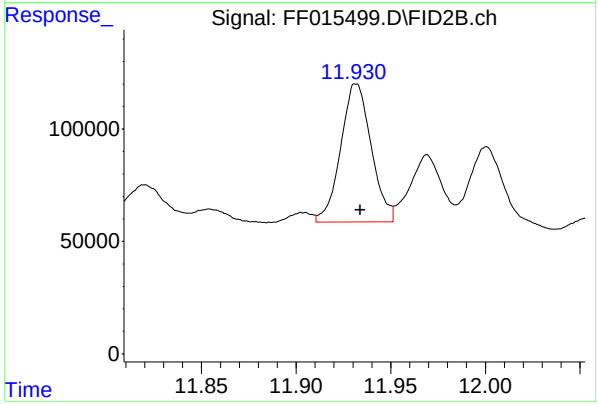
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: 0.000 min
Response: 380968
Conc: 5.02 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.004 min
Response: 692374
Conc: 5.25 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015499.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 19:12
Sample : Q1308-03DL 10X
Misc :
ALS Vial : 83 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.479	4.401	4.493	BV	6394	69573	2.38%	0.044%
2	4.510	4.493	4.542	VV	11129	124579	4.26%	0.078%
3	4.548	4.542	4.564	VV	466	5155	0.18%	0.003%
4	4.569	4.564	4.587	VV	358	4409	0.15%	0.003%
5	4.608	4.587	4.627	VV	4280	44343	1.52%	0.028%
6	4.644	4.627	4.666	VV	1530	18051	0.62%	0.011%
7	4.693	4.666	4.701	PV	1667	20320	0.70%	0.013%
8	4.723	4.701	4.767	VV	111984	1165203	39.88%	0.733%
9	4.780	4.767	4.804	VV	2183	38674	1.32%	0.024%
10	4.825	4.804	4.838	VV	4471	55503	1.90%	0.035%
11	4.853	4.838	4.866	VV	4937	52707	1.80%	0.033%
12	4.877	4.866	4.897	VV	3244	42539	1.46%	0.027%
13	4.912	4.897	4.924	VV	2500	34221	1.17%	0.022%
14	4.931	4.924	4.936	VV	2253	15212	0.52%	0.010%
15	4.957	4.936	4.979	VV	59840	624354	21.37%	0.393%
16	4.986	4.979	5.001	VV	4469	47305	1.62%	0.030%
17	5.030	5.001	5.056	VV	35180	549891	18.82%	0.346%
18	5.079	5.056	5.119	VV	19308	261488	8.95%	0.165%
19	5.151	5.119	5.166	VV	2897	43300	1.48%	0.027%
20	5.182	5.166	5.199	VV	3496	41548	1.42%	0.026%
21	5.212	5.199	5.225	VV	1423	16573	0.57%	0.010%
22	5.246	5.225	5.253	VV	3247	34637	1.19%	0.022%
23	5.272	5.253	5.303	VV	37180	419468	14.36%	0.264%
24	5.326	5.303	5.338	VV	68151	668669	22.89%	0.421%
25	5.355	5.338	5.395	VV	194187	1976988	67.66%	1.244%
26	5.413	5.395	5.433	VV	16623	185013	6.33%	0.116%
27	5.447	5.433	5.460	VV	2056	27726	0.95%	0.017%
28	5.478	5.460	5.499	VV	4846	72168	2.47%	0.045%
29	5.509	5.499	5.522	VV	2070	26316	0.90%	0.017%
30	5.558	5.522	5.570	VV	10228	148229	5.07%	0.093%
31	5.584	5.570	5.606	VV	14635	174059	5.96%	0.110%
32	5.627	5.606	5.638	VV	5247	69532	2.38%	0.044%
33	5.647	5.638	5.665	VV	4157	44170	1.51%	0.028%
34	5.700	5.665	5.726	VV	124907	1348905	46.17%	0.849%
35	5.733	5.726	5.761	VV	11191	129286	4.42%	0.081%
36	5.792	5.761	5.814	VV	5089	100502	3.44%	0.063%

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL

rteres

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37	5.833	5.814	5.846	VV	1640	24290	0.83%	0.015%
38	5.896	5.846	5.918	VV	101881	1202515	41	
39	5.930	5.918	5.949	VV	27944	304506	10	
40	5.964	5.949	5.974	VV	7487	86333	2	
41	5.996	5.974	6.035	VV	169514	2029125	69	
42	6.052	6.035	6.079	VV	85889	907120	31	
43	6.093	6.079	6.107	VV	11475	132671	4.54%	0.083%
44	6.118	6.107	6.127	VV	7872	80048	2.74%	0.050%
45	6.139	6.127	6.164	VV	10020	134400	4.60%	0.085%
46	6.189	6.164	6.211	VV	25405	306926	10.50%	0.193%
47	6.243	6.211	6.261	VV	25135	351080	12.02%	0.221%
48	6.278	6.261	6.292	VV	13617	176312	6.03%	0.111%
49	6.313	6.292	6.349	VV	44771	582442	19.93%	0.367%
50	6.372	6.349	6.392	VV	22102	270444	9.26%	0.170%
51	6.417	6.392	6.447	VV	65166	1078505	36.91%	0.679%
52	6.461	6.447	6.472	VV	26467	303275	10.38%	0.191%
53	6.478	6.472	6.489	VV	20643	181911	6.23%	0.114%
54	6.505	6.489	6.522	VV	50120	567273	19.41%	0.357%
55	6.547	6.522	6.578	VV	50801	779713	26.69%	0.491%
56	6.591	6.578	6.622	VV	10208	205089	7.02%	0.129%
57	6.654	6.622	6.698	VV	41732	850496	29.11%	0.535%
58	6.730	6.698	6.736	VV	17044	243346	8.33%	0.153%
59	6.744	6.736	6.781	VV	17907	285762	9.78%	0.180%
60	6.821	6.781	6.834	VV	19148	359894	12.32%	0.226%
61	6.853	6.834	6.870	VV	34591	526524	18.02%	0.331%
62	6.884	6.870	6.907	VV	29824	402775	13.79%	0.253%
63	6.936	6.907	6.953	VV	28958	457112	15.64%	0.288%
64	6.962	6.953	6.971	VV	12658	129875	4.44%	0.082%
65	6.987	6.971	7.000	VV	18357	243543	8.34%	0.153%
66	7.017	7.000	7.039	VV	65167	727296	24.89%	0.458%
67	7.057	7.039	7.077	VV	20288	305982	10.47%	0.193%
68	7.095	7.077	7.108	VV	15130	208380	7.13%	0.131%
69	7.140	7.108	7.165	VV	98429	1319616	45.16%	0.830%
70	7.177	7.165	7.200	VV	20693	302809	10.36%	0.191%
71	7.223	7.200	7.238	VV	14317	253714	8.68%	0.160%
72	7.267	7.238	7.287	VV	34354	640476	21.92%	0.403%
73	7.306	7.287	7.343	VV	60306	1073509	36.74%	0.676%
74	7.370	7.343	7.405	VV	173422	2367901	81.04%	1.490%
75	7.420	7.405	7.435	VV	21088	277527	9.50%	0.175%
76	7.456	7.435	7.484	VV	55968	1003021	34.33%	0.631%
77	7.507	7.484	7.541	VV	210070	2630103	90.02%	1.655%
78	7.556	7.541	7.571	VV	13420	219081	7.50%	0.138%
79	7.580	7.571	7.595	VV	13495	171528	5.87%	0.108%
80	7.612	7.595	7.628	VV	15252	247684	8.48%	0.156%
81	7.658	7.628	7.674	VV	61142	911666	31.20%	0.574%
82	7.678	7.674	7.704	VV	35507	484495	16.58%	0.305%
83	7.720	7.704	7.726	VV	30285	328924	11.26%	0.207%
84	7.736	7.726	7.747	VV	30660	354788	12.14%	0.223%
85	7.763	7.747	7.794	VV	29472	606000	20.74%	0.381%
86	7.825	7.794	7.835	VV	13582	298432	10.21%	0.188%
87	7.856	7.835	7.890	VV	49659	991634	33.94%	0.624%
88	7.909	7.890	7.930	VV	37435	561268	19.21%	0.353%
89	7.952	7.930	7.965	VV	18193	300376	10.28%	0.189%

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90	7.996	7.965	8.036	VV	91453	1551757	53.11%	0.977%
91	8.049	8.036	8.062	VV	19924	271876	9	
92	8.075	8.062	8.084	VV	18421	228423	7	
93	8.091	8.084	8.099	VV	18612	161268	5	
94	8.117	8.099	8.136	VV	25412	467648	16	
95	8.153	8.136	8.170	VV	24719	420088	14	
96	8.202	8.170	8.224	VV	25685	689058	23.58%	0.434%
97	8.268	8.224	8.283	VV	68515	1334429	45.67%	0.840%
98	8.288	8.283	8.303	VV	52789	535936	18.34%	0.337%
99	8.315	8.303	8.332	VV	52371	655209	22.42%	0.412%
100	8.338	8.332	8.344	VV	21139	146035	5.00%	0.092%
101	8.365	8.344	8.371	VV	126522	1250932	42.81%	0.787%
102	8.380	8.371	8.424	VV	144253	2011052	68.83%	1.266%
103	8.442	8.424	8.452	VV	19978	322526	11.04%	0.203%
104	8.486	8.452	8.501	VV	226394	2921832	100.00%	1.839%
105	8.514	8.501	8.534	VV	162275	1859790	63.65%	1.170%
106	8.544	8.534	8.564	VV	38296	590426	20.21%	0.372%
107	8.577	8.564	8.586	VV	33282	390397	13.36%	0.246%
108	8.600	8.586	8.618	VV	35036	571965	19.58%	0.360%
109	8.651	8.618	8.699	VV	85923	2298186	78.66%	1.446%
110	8.722	8.699	8.738	VV	40575	686022	23.48%	0.432%
111	8.761	8.738	8.772	VV	58163	882879	30.22%	0.556%
112	8.782	8.772	8.800	VV	50936	685881	23.47%	0.432%
113	8.807	8.800	8.824	VV	29728	378044	12.94%	0.238%
114	8.872	8.824	8.904	VV	49843	1384687	47.39%	0.871%
115	8.934	8.904	8.944	VV	28476	616914	21.11%	0.388%
116	8.980	8.944	8.997	VV	33396	965715	33.05%	0.608%
117	9.022	8.997	9.055	VV	47640	1216418	41.63%	0.766%
118	9.083	9.055	9.094	VV	49875	958165	32.79%	0.603%
119	9.102	9.094	9.121	VV	49526	661714	22.65%	0.416%
120	9.133	9.121	9.148	VV	36153	490678	16.79%	0.309%
121	9.163	9.148	9.187	VV	32142	652211	22.32%	0.410%
122	9.210	9.187	9.231	VV	116626	1754456	60.05%	1.104%
123	9.245	9.231	9.267	VV	55132	859684	29.42%	0.541%
124	9.283	9.267	9.302	VV	44907	721873	24.71%	0.454%
125	9.335	9.302	9.350	VV	55378	1112402	38.07%	0.700%
126	9.356	9.350	9.364	VV	37372	309841	10.60%	0.195%
127	9.381	9.364	9.399	VV	104399	1350916	46.24%	0.850%
128	9.422	9.399	9.463	VV	122839	2137604	73.16%	1.345%
129	9.481	9.463	9.501	VV	27838	592259	20.27%	0.373%
130	9.538	9.501	9.555	VV	101881	1619554	55.43%	1.019%
131	9.570	9.555	9.605	VV	84355	1352715	46.30%	0.851%
132	9.619	9.605	9.634	VV	28827	456099	15.61%	0.287%
133	9.675	9.634	9.706	VV	101386	2219002	75.95%	1.396%
134	9.721	9.706	9.735	VV	33118	521845	17.86%	0.328%
135	9.759	9.735	9.772	VV	44264	774780	26.52%	0.488%
136	9.784	9.772	9.807	VV	42164	684675	23.43%	0.431%
137	9.838	9.807	9.872	VV	98259	1990391	68.12%	1.253%
138	9.877	9.872	9.892	VV	32869	361783	12.38%	0.228%
139	9.911	9.892	9.924	VV	45708	693708	23.74%	0.437%
140	9.939	9.924	9.950	VV	55619	749301	25.64%	0.472%
141	9.964	9.950	9.985	VV	64613	1047099	35.84%	0.659%

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142	10.000	9.985	10.026	VV	39062	816142	27.93%	0.514%
143	10.041	10.026	10.062	VV	38773	712538	24	
144	10.084	10.062	10.105	VV	51067	1069662	36	
145	10.133	10.105	10.150	VV	46850	1091940	37	
146	10.183	10.150	10.226	VV	50770	1761854	60	
147	10.245	10.226	10.259	VV	30636	574392	19	
148	10.278	10.259	10.314	VV	38351	1001896	34.29%	0.631%
149	10.345	10.314	10.394	VV	48468	1540507	52.72%	0.969%
150	10.403	10.394	10.425	VV	24287	419117	14.34%	0.264%
151	10.447	10.425	10.461	VV	28705	538604	18.43%	0.339%
152	10.470	10.461	10.480	VV	24765	272491	9.33%	0.171%
153	10.503	10.480	10.527	VV	56392	1027178	35.16%	0.646%
154	10.558	10.527	10.584	VV	51065	1188676	40.68%	0.748%
155	10.613	10.584	10.625	VV	56007	988954	33.85%	0.622%
156	10.639	10.625	10.664	VV	65602	1130477	38.69%	0.711%
157	10.684	10.664	10.730	VV	76750	1717815	58.79%	1.081%
158	10.760	10.730	10.798	VV	53911	1707676	58.45%	1.075%
159	10.820	10.798	10.847	VV	51220	1187722	40.65%	0.747%
160	10.858	10.847	10.871	VV	36536	491588	16.82%	0.309%
161	10.895	10.871	10.912	VV	40318	887539	30.38%	0.559%
162	10.929	10.912	10.948	VV	48325	814978	27.89%	0.513%
163	10.980	10.948	11.006	VV	72643	1655477	56.66%	1.042%
164	11.031	11.006	11.055	VV	34731	951501	32.57%	0.599%
165	11.062	11.055	11.081	VV	30329	420892	14.41%	0.265%
166	11.125	11.081	11.139	VV	31775	982301	33.62%	0.618%
167	11.166	11.139	11.223	VV	67478	1852925	63.42%	1.166%
168	11.245	11.223	11.282	VV	36277	1032208	35.33%	0.650%
169	11.301	11.282	11.325	VV	28601	648641	22.20%	0.408%
170	11.344	11.325	11.362	VV	29532	585501	20.04%	0.368%
171	11.382	11.362	11.401	VV	32685	667420	22.84%	0.420%
172	11.436	11.401	11.450	VV	27471	762694	26.10%	0.480%
173	11.474	11.450	11.496	VV	44622	943614	32.30%	0.594%
174	11.516	11.496	11.544	VV	38676	966509	33.08%	0.608%
175	11.559	11.544	11.586	VV	38974	848196	29.03%	0.534%
176	11.592	11.586	11.605	VV	29484	321758	11.01%	0.202%
177	11.608	11.605	11.621	VV	27763	263292	9.01%	0.166%
178	11.641	11.621	11.672	VV	35829	987679	33.80%	0.622%
179	11.696	11.672	11.730	VV	51633	1310584	44.85%	0.825%
180	11.760	11.730	11.782	VV	31488	835749	28.60%	0.526%
181	11.820	11.782	11.844	VV	39505	1095899	37.51%	0.690%
182	11.854	11.844	11.884	VV	28695	627838	21.49%	0.395%
183	11.904	11.884	11.910	VV	26950	392297	13.43%	0.247%
184	11.932	11.910	11.951	VV	84450	1256066	42.99%	0.790%
185	11.969	11.951	11.985	VV	52837	798802	27.34%	0.503%
186	12.001	11.985	12.037	VV	56367	1095425	37.49%	0.689%
187	12.064	12.037	12.072	VV	27381	520445	17.81%	0.328%
188	12.086	12.072	12.100	VV	29919	461877	15.81%	0.291%
189	12.118	12.100	12.135	VV	45697	750150	25.67%	0.472%
190	12.152	12.135	12.200	VV	41117	1147699	39.28%	0.722%
191	12.220	12.200	12.238	VV	24764	524957	17.97%	0.330%
192	12.264	12.238	12.288	VV	32719	814346	27.87%	0.512%
193	12.306	12.288	12.333	VV	30810	696343	23.83%	0.438%
194	12.339	12.333	12.356	VV	23106	318806	10.91%	0.201%

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195	12.372	12.356	12.397	VV	26880	572342	19.59%	0.360%
196	12.407	12.397	12.431	VV	22482	438236	15	
197	12.443	12.431	12.453	VV	20840	264636	9	
198	12.472	12.453	12.485	VV	25967	451391	15	
199	12.506	12.485	12.519	VV	29118	522022	17	
200	12.527	12.519	12.559	VV	26590	537097	18	
201	12.587	12.559	12.605	VV	24904	580282	19.86%	0.365%
202	12.621	12.605	12.630	VV	20823	282372	9.66%	0.178%
203	12.648	12.630	12.681	VV	24693	678069	23.21%	0.427%
204	12.715	12.681	12.738	VV	25767	757450	25.92%	0.477%
205	12.762	12.738	12.808	VV	34993	1044496	35.75%	0.657%
206	12.870	12.808	12.891	VV	46157	1317100	45.08%	0.829%
207	12.907	12.891	12.923	VV	29844	521417	17.85%	0.328%
208	12.935	12.923	12.964	VV	26785	551369	18.87%	0.347%
209	12.988	12.964	13.033	VV	31638	917066	31.39%	0.577%
210	13.043	13.033	13.059	VV	16565	250022	8.56%	0.157%
211	13.062	13.059	13.072	VV	15445	118261	4.05%	0.074%
212	13.113	13.072	13.161	VV	20118	873118	29.88%	0.549%
213	13.180	13.161	13.194	VV	16986	315992	10.81%	0.199%
214	13.226	13.194	13.260	VV	17225	629715	21.55%	0.396%
215	13.286	13.260	13.336	VV	25226	797746	27.30%	0.502%
216	13.371	13.336	13.404	VV	23585	714804	24.46%	0.450%
217	13.421	13.404	13.485	VV	18537	775546	26.54%	0.488%
218	13.493	13.485	13.522	VV	13523	284689	9.74%	0.179%
219	13.568	13.522	13.598	VV	18733	673638	23.06%	0.424%
220	13.619	13.598	13.666	VV	20682	598202	20.47%	0.376%
221	13.683	13.666	13.697	VV	15373	249161	8.53%	0.157%
222	13.712	13.697	13.737	VV	15019	324276	11.10%	0.204%
223	13.762	13.737	13.779	VV	13746	302763	10.36%	0.191%
224	13.793	13.779	13.822	VV	12286	300627	10.29%	0.189%
225	13.834	13.822	13.856	VV	11369	218591	7.48%	0.138%
226	13.876	13.856	13.901	VV	12295	302848	10.37%	0.191%
227	13.913	13.901	13.937	VV	10232	212089	7.26%	0.133%
228	13.947	13.937	13.966	VV	9142	149222	5.11%	0.094%
229	13.989	13.966	14.010	VV	10778	258881	8.86%	0.163%
230	14.030	14.010	14.048	VV	10956	230748	7.90%	0.145%
231	14.065	14.048	14.124	VV	11030	427488	14.63%	0.269%
232	14.152	14.124	14.180	VV	10586	310395	10.62%	0.195%
233	14.198	14.180	14.219	VV	9027	192685	6.59%	0.121%
234	14.240	14.219	14.246	VV	7780	125326	4.29%	0.079%
235	14.250	14.246	14.309	VV	7654	259477	8.88%	0.163%
236	14.332	14.309	14.340	VV	7379	127639	4.37%	0.080%
237	14.348	14.340	14.397	VV	7179	222613	7.62%	0.140%
238	14.438	14.397	14.457	VV	6371	211668	7.24%	0.133%
239	14.494	14.457	14.521	VV	7337	231006	7.91%	0.145%
240	14.527	14.521	14.532	VV	5551	37913	1.30%	0.024%
241	14.536	14.532	14.539	VV	5590	22443	0.77%	0.014%
242	14.543	14.539	14.561	VV	5640	70838	2.42%	0.045%
243	14.590	14.561	14.605	VV	6034	149916	5.13%	0.094%
244	14.615	14.605	14.673	VV	5725	202166	6.92%	0.127%
245	14.700	14.673	14.714	VV	5450	125593	4.30%	0.079%
246	14.726	14.714	14.769	VV	5530	163507	5.60%	0.103%

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247	14.820	14.769	14.840	VV	5459	204571	7.00%	0.129%
248	14.863	14.840	14.884	VV	5019	116689		
249	14.896	14.884	14.921	VV	4163	84735		
250	14.945	14.921	14.962	VV	3679	88069		
251	14.979	14.962	15.004	VV	4012	90567		
252	15.023	15.004	15.046	VV	3396	78195		
253	15.062	15.046	15.095	VV	2977	83575	2.86%	0.053%
254	15.101	15.095	15.117	VV	2763	37129	1.27%	0.023%
255	15.133	15.117	15.161	VV	2820	70976	2.43%	0.045%
256	15.186	15.161	15.201	VV	3643	75466	2.58%	0.047%
257	15.221	15.201	15.293	VV	4240	171064	5.85%	0.108%
258	15.325	15.293	15.344	VV	2828	78909	2.70%	0.050%
259	15.349	15.344	15.353	VV	2541	13029	0.45%	0.008%
260	15.370	15.353	15.376	VV	2679	35791	1.22%	0.023%
261	15.385	15.376	15.418	VV	2592	57087	1.95%	0.036%
262	15.422	15.418	15.447	VV	2077	33125	1.13%	0.021%
263	15.478	15.447	15.483	VV	2040	39691	1.36%	0.025%
264	15.485	15.483	15.508	VV	1970	25304	0.87%	0.016%
265	15.526	15.508	15.554	VV	1648	42875	1.47%	0.027%
266	15.563	15.554	15.584	VV	1491	24726	0.85%	0.016%
267	15.609	15.584	15.627	VV	1984	42619	1.46%	0.027%
268	15.642	15.627	15.718	VV	1841	76475	2.62%	0.048%
269	15.768	15.718	15.796	VV	1766	58089	1.99%	0.037%
270	15.803	15.796	15.830	VV	1044	18954	0.65%	0.012%
271	15.852	15.830	15.881	VV	1382	34290	1.17%	0.022%
272	15.887	15.881	15.915	VV	1071	19403	0.66%	0.012%
273	15.961	15.915	15.978	VV	948	29220	1.00%	0.018%
274	16.016	15.978	16.044	VV	1145	37564	1.29%	0.024%
275	16.050	16.044	16.060	VV	841	7168	0.25%	0.005%
276	16.083	16.060	16.101	VV	785	16427	0.56%	0.010%
277	16.110	16.101	16.123	VV	546	6464	0.22%	0.004%
278	16.141	16.123	16.147	VV	534	6729	0.23%	0.004%
279	16.153	16.147	16.168	VV	540	5801	0.20%	0.004%
280	16.180	16.168	16.192	VV	585	7316	0.25%	0.005%
281	16.200	16.192	16.222	VV	617	9272	0.32%	0.006%
282	16.228	16.222	16.232	VV	475	2480	0.08%	0.002%
283	16.245	16.232	16.261	VV	594	8530	0.29%	0.005%
284	16.286	16.261	16.333	VV	690	18949	0.65%	0.012%
285	16.352	16.333	16.371	VV	413	5907	0.20%	0.004%
286	16.390	16.371	16.419	VV	289	4331	0.15%	0.003%
287	16.460	16.419	16.479	VV	533	11952	0.41%	0.008%
288	16.491	16.479	16.496	VV	170	1296	0.04%	0.001%
289	16.505	16.496	16.525	VV	218	2461	0.08%	0.002%
290	16.556	16.525	16.589	VV	454	10464	0.36%	0.007%
291	16.596	16.589	16.611	VV	208	2146	0.07%	0.001%
292	16.621	16.611	16.633	VV	265	2834	0.10%	0.002%
293	16.660	16.633	16.682	VV	394	7358	0.25%	0.005%
294	16.688	16.682	16.707	VV	140	1449	0.05%	0.001%
295	16.745	16.707	16.769	VV	2605	46441	1.59%	0.029%
296	16.774	16.769	16.854	VV	1277	29400	1.01%	0.019%
297	16.879	16.854	16.909	VV	840	18434	0.63%	0.012%
298	16.916	16.909	16.925	VV	611	4645	0.16%	0.003%
299	16.930	16.925	16.937	VV	463	2735	0.09%	0.002%

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	16.948	16.937	16.985	VV	440	7686	0.26%	0.005%
301	17.026	16.985	17.045	PV	822	15359		
302	17.065	17.045	17.109	VV	1771	36880		
303	17.134	17.109	17.184	VV	1539	38346		
304	17.202	17.184	17.216	VV	953	14226		
305	17.232	17.216	17.238	VV	984	11080		
306	17.246	17.238	17.285	VV	1018	17224	0.59%	0.011%
307	17.295	17.285	17.313	VV	286	4013	0.14%	0.003%
308	17.326	17.313	17.344	VV	249	2920	0.10%	0.002%
309	17.374	17.357	17.391	VV	199	3316	0.11%	0.002%
310	17.402	17.391	17.416	VV	237	2966	0.10%	0.002%
311	17.446	17.416	17.468	VV	480	8130	0.28%	0.005%
312	17.520	17.468	17.551	VV	764	20253	0.69%	0.013%
313	17.557	17.551	17.589	VV	395	7024	0.24%	0.004%
314	17.598	17.589	17.602	VV	380	2606	0.09%	0.002%
315	17.621	17.602	17.639	VV	682	11417	0.39%	0.007%
316	17.654	17.639	17.706	VV	875	21286	0.73%	0.013%
317	17.767	17.715	17.777	VV	545	13757	0.47%	0.009%
318	17.782	17.777	17.812	VV	461	6692	0.23%	0.004%
319	17.832	17.812	17.860	VV	449	8310	0.28%	0.005%
320	17.872	17.860	17.894	VV	211	3124	0.11%	0.002%
321	17.918	17.894	17.948	VV	269	5466	0.19%	0.003%
322	17.977	17.962	17.994	PV	199	2463	0.08%	0.002%
323	17.998	17.994	18.015	VV	142	1190	0.04%	0.001%
324	18.093	18.015	18.119	PV	1374	25091	0.86%	0.016%
325	18.142	18.119	18.161	VV	359	5013	0.17%	0.003%
326	18.168	18.161	18.176	VV	194	1647	0.06%	0.001%
327	18.181	18.176	18.207	VV	235	3083	0.11%	0.002%
328	18.240	18.207	18.256	VV	681	12173	0.42%	0.008%
329	18.279	18.256	18.325	VV	530	10461	0.36%	0.007%
330	18.372	18.339	18.379	PV	505	7843	0.27%	0.005%
331	18.381	18.379	18.392	VV	467	2009	0.07%	0.001%
332	18.416	18.392	18.427	VV	385	5141	0.18%	0.003%
333	18.450	18.427	18.486	VV	497	12400	0.42%	0.008%
334	18.514	18.486	18.546	VV	2180	41730	1.43%	0.026%
335	18.550	18.546	18.554	VV	768	3570	0.12%	0.002%
336	18.559	18.554	18.572	VV	755	6939	0.24%	0.004%
337	18.577	18.572	18.587	VV	594	4174	0.14%	0.003%
338	18.603	18.587	18.628	VV	725	11624	0.40%	0.007%
339	18.637	18.628	18.650	VV	224	2117	0.07%	0.001%
340	18.679	18.650	18.692	PV	212	2628	0.09%	0.002%
341	18.759	18.707	18.801	PBA	1640	30810	1.05%	0.019%

Sum of corrected areas: 158898241

Aromatic EPH 020525.M Mon Feb 10 01:52:07 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-2DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-03DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052299.D	50	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		145		22.6	59.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		466		14.3	39.6	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		333		17.8	59.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		80.6		47.6	79.3	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		107	U	107	118	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.85		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:	Q1308-03DL2	Acq On:	07 Feb 2025 20:26
Client Sample ID:	EX-6-TPH-2DL2	Operator:	YP\AJ
Data file:	FE052299.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	3536665	36.77	300	ug/ml
Aliphatic C12-C16	7.236	10.639	12336578	117.812	200	ug/ml
Aliphatic C16-C21	10.640	13.984	9496002	84.019	300	ug/ml
Aliphatic C21-C28	13.985	17.628	2316778	20.323	400	ug/ml
Aliphatic C28-C40	17.629	22.712	733053	8.007	600	ug/ml
Aliphatic EPH	3.679	22.712	28419076	266.93		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.715	13.715	83751	0.85		ug/ml
Aliphatic C9-C28	3.679	17.628	27686023	258.924	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052299.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 20:26
Operator : YP\AJ
Sample : Q1308-03DL2 50X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:27:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-6-TPH-2DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.715	83751	0.849 ug/mlm
Spiked Amount 50.000		Recovery =	1.70%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052299.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 20:26
Operator : YP\AJ
Sample : Q1308-03DL2 50X
Misc :
ALS Vial : 25 Sample Multiplier: 1

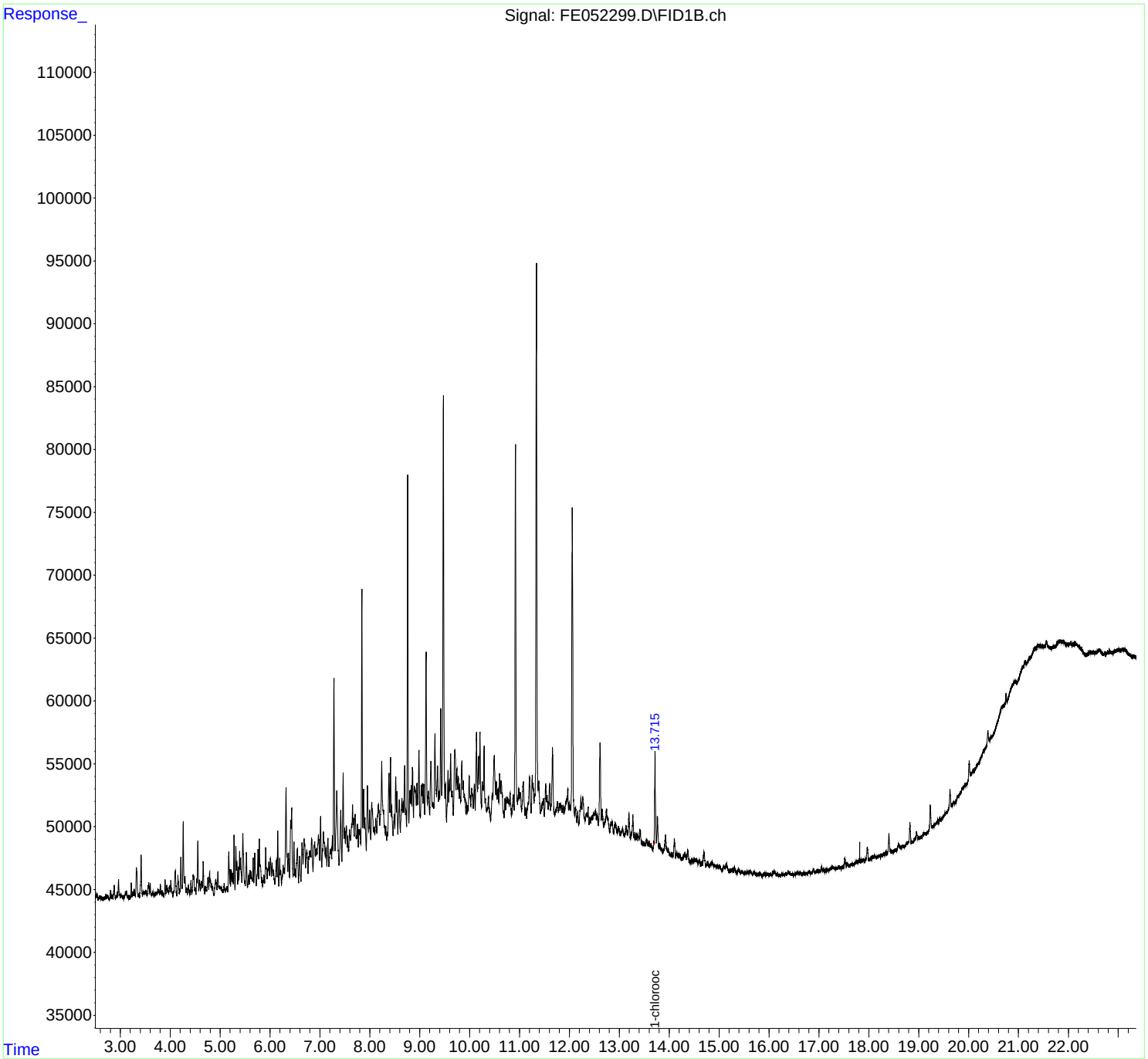
Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL2

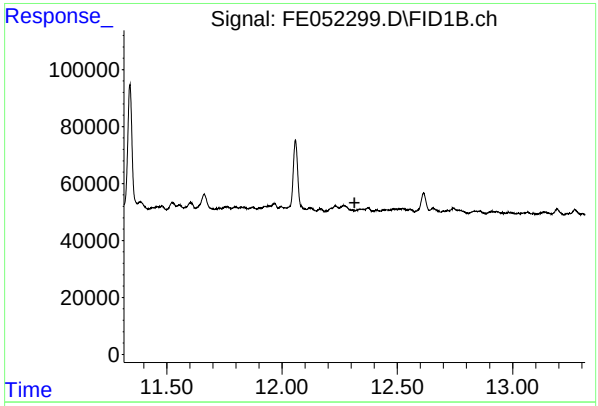
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:27:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





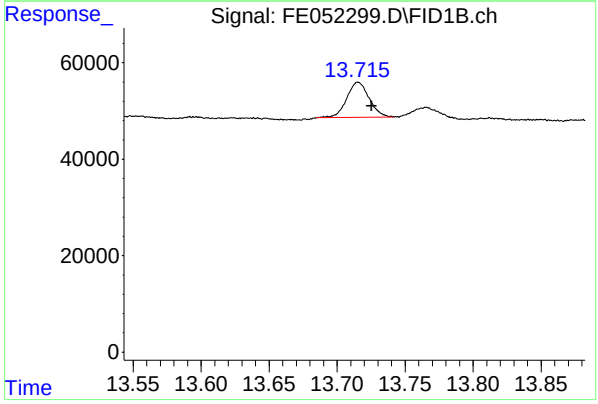
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.715 min
Delta R.T.: -0.011 min
Response: 83751
Conc: 0.85 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052299.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 20:26
Sample : Q1308-03DL2 50X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.205	3.235	PH	942	7769	1.19%	0.027%
2	3.249	3.235	3.263	PV	266	2913	0.45%	0.010%
3	3.282	3.263	3.301	VV	503	5139	0.79%	0.018%
4	3.323	3.301	3.362	VV	2081	33338	5.12%	0.117%
5	3.370	3.362	3.381	VV	110	330	0.05%	0.001%
6	3.417	3.381	3.442	PV	3216	37697	5.79%	0.132%
7	3.462	3.442	3.508	VV	300	9087	1.40%	0.032%
8	3.518	3.508	3.535	VV	403	4134	0.63%	0.014%
9	3.569	3.535	3.584	VV	1076	15882	2.44%	0.056%
10	3.599	3.584	3.624	VV	949	11239	1.73%	0.039%
11	3.651	3.624	3.678	VV	331	5454	0.84%	0.019%
12	3.695	3.678	3.715	VV	268	3324	0.51%	0.012%
13	3.725	3.715	3.740	VV	258	2874	0.44%	0.010%
14	3.757	3.740	3.788	VV	474	9338	1.43%	0.033%
15	3.803	3.788	3.825	VV	864	10195	1.57%	0.036%
16	3.836	3.825	3.872	VV	391	5519	0.85%	0.019%
17	3.898	3.872	3.914	VV	1241	12832	1.97%	0.045%
18	3.931	3.914	3.970	VV	811	16585	2.55%	0.058%
19	3.986	3.970	3.998	VV	728	8271	1.27%	0.029%
20	4.013	3.998	4.055	VV	1158	17164	2.64%	0.060%
21	4.101	4.055	4.130	VV	1935	36058	5.54%	0.126%
22	4.157	4.130	4.183	VV	1343	22711	3.49%	0.080%
23	4.213	4.183	4.235	VV	3012	37004	5.68%	0.130%
24	4.261	4.235	4.286	VV	5880	72257	11.10%	0.253%
25	4.297	4.286	4.316	VV	1532	18126	2.78%	0.063%
26	4.328	4.316	4.344	VV	642	7479	1.15%	0.026%
27	4.360	4.344	4.395	VV	762	13739	2.11%	0.048%
28	4.416	4.395	4.433	VV	1141	11899	1.83%	0.042%
29	4.461	4.433	4.518	VV	1609	42196	6.48%	0.148%
30	4.554	4.518	4.573	VV	4289	59204	9.09%	0.207%
31	4.586	4.573	4.608	VV	1250	17308	2.66%	0.061%
32	4.624	4.608	4.641	VV	1137	17603	2.70%	0.062%
33	4.662	4.641	4.688	VV	2722	35301	5.42%	0.124%
34	4.705	4.688	4.729	VV	698	12212	1.88%	0.043%
35	4.757	4.729	4.773	VV	1491	24867	3.82%	0.087%
36	4.790	4.773	4.821	VV	1862	34583	5.31%	0.121%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL2

Manual IntegrationsAPPROVED

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rteres

37	4.830	4.821	4.876	VV	867	17317	2.66%	0.061%
38	4.912	4.876	4.936	VV	1328	28177	[illegible]	
39	4.956	4.936	5.068	VV	1906	57993	[illegible]	
40	5.081	5.068	5.110	VV	981	15284	[illegible]	
41	5.139	5.110	5.154	VV	666	13893	[illegible]	
42	5.174	5.154	5.210	VV	3482	57062	[illegible]	
43	5.226	5.210	5.238	VV	2056	25058	3.85%	0.088%
44	5.248	5.238	5.263	VV	1807	22403	3.44%	0.078%
45	5.279	5.263	5.299	VV	4815	51253	7.87%	0.180%
46	5.317	5.299	5.329	VV	3915	43281	6.65%	0.152%
47	5.337	5.329	5.354	VV	2591	29831	4.58%	0.104%
48	5.368	5.354	5.378	VV	2307	24274	3.73%	0.085%
49	5.391	5.378	5.402	VV	3527	36170	5.55%	0.127%
50	5.410	5.402	5.435	VV	2901	41910	6.44%	0.147%
51	5.456	5.435	5.503	VV	4845	97011	14.90%	0.340%
52	5.528	5.503	5.549	VV	3399	47895	7.36%	0.168%
53	5.571	5.549	5.586	VV	1625	26886	4.13%	0.094%
54	5.602	5.586	5.611	VV	1989	22914	3.52%	0.080%
55	5.621	5.611	5.647	VV	1867	33557	5.15%	0.118%
56	5.662	5.647	5.677	VV	3026	35247	5.41%	0.123%
57	5.760	5.725	5.772	VV	3706	59132	9.08%	0.207%
58	5.840	5.830	5.852	VV	1471	15293	2.35%	0.054%
59	5.878	5.852	5.894	VV	1617	30984	4.76%	0.109%
60	5.915	5.894	5.943	VV	3835	68193	10.47%	0.239%
61	5.976	5.943	5.991	VV	2684	60796	9.34%	0.213%
62	6.009	5.991	6.027	VV	2984	51267	7.87%	0.180%
63	6.043	6.027	6.059	VV	2569	40195	6.17%	0.141%
64	6.070	6.059	6.099	VV	2079	37189	5.71%	0.130%
65	6.127	6.099	6.140	VV	2818	47344	7.27%	0.166%
66	6.156	6.140	6.177	VV	5065	62354	9.58%	0.218%
67	6.264	6.231	6.274	VV	2452	46180	7.09%	0.162%
68	6.283	6.274	6.295	VV	2196	24203	3.72%	0.085%
69	6.321	6.295	6.358	VV	8574	161412	24.79%	0.565%
70	6.373	6.358	6.391	VV	3310	51113	7.85%	0.179%
71	6.415	6.391	6.423	VV	5981	75876	11.65%	0.266%
72	6.434	6.423	6.462	VV	6956	101376	15.57%	0.355%
73	6.547	6.515	6.574	VV	3732	89161	13.69%	0.312%
74	6.596	6.574	6.621	VV	3081	61048	9.38%	0.214%
75	6.643	6.621	6.663	VV	4200	76239	11.71%	0.267%
76	6.737	6.715	6.763	VV	3643	84603	12.99%	0.296%
77	6.795	6.763	6.820	VV	3549	105122	16.14%	0.368%
78	6.836	6.820	6.862	VV	4554	91025	13.98%	0.319%
79	6.897	6.862	6.911	VV	4252	101390	15.57%	0.355%
80	6.971	6.911	6.995	VV	4865	192638	29.58%	0.675%
81	7.014	6.995	7.038	VV	6313	107502	16.51%	0.377%
82	7.072	7.038	7.106	VV	5083	158024	24.27%	0.553%
83	7.122	7.106	7.140	VV	3765	69924	10.74%	0.245%
84	7.161	7.140	7.181	VV	4576	83950	12.89%	0.294%
85	7.225	7.181	7.236	VV	3661	107067	16.44%	0.375%
86	7.251	7.236	7.262	VV	4712	61342	9.42%	0.215%
87	7.282	7.262	7.305	VV	17270	224584	34.49%	0.787%
88	7.338	7.305	7.385	VV	8341	249290	38.28%	0.873%
89	7.418	7.385	7.441	VV	6757	149166	22.91%	0.522%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL2

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/10/2025

rteres

90	7.466	7.441	7.485	VV	9700	157668	24.21%	0.552%
91	7.497	7.485	7.511	VV	5389	76945	11	
92	7.531	7.511	7.547	VV	5535	106528	16	
93	7.558	7.547	7.572	VV	4698	63080	9	
94	7.596	7.572	7.616	VV	5217	117816	18	
95	7.656	7.616	7.687	VV	7197	245820	37	
96	7.754	7.731	7.770	VV	5720	114463	17.58%	0.401%
97	7.785	7.770	7.817	VV	5261	133152	20.45%	0.466%
98	7.842	7.817	7.861	VV	24311	300622	46.17%	1.053%
99	7.877	7.861	7.892	VV	8532	128573	19.74%	0.450%
100	7.901	7.892	7.929	VV	6199	117869	18.10%	0.413%
101	7.954	7.929	7.978	VV	8803	184399	28.32%	0.646%
102	7.999	7.978	8.019	VV	6877	139305	21.39%	0.488%
103	8.085	8.075	8.098	VV	5459	72898	11.19%	0.255%
104	8.121	8.098	8.145	VV	6150	153580	23.59%	0.538%
105	8.172	8.145	8.200	VV	7235	214826	32.99%	0.752%
106	8.324	8.312	8.340	VV	5516	84186	12.93%	0.295%
107	8.353	8.340	8.357	VV	4956	49453	7.59%	0.173%
108	8.384	8.357	8.402	VV	9698	198639	30.50%	0.696%
109	8.417	8.402	8.433	VV	11030	159832	24.55%	0.560%
110	8.521	8.503	8.536	VV	9434	152286	23.39%	0.533%
111	8.591	8.563	8.612	VV	7612	186848	28.69%	0.654%
112	8.644	8.612	8.659	VV	7653	188653	28.97%	0.661%
113	8.671	8.659	8.681	VV	7412	94164	14.46%	0.330%
114	8.700	8.681	8.738	VV	10350	258128	39.64%	0.904%
115	8.805	8.785	8.817	VV	8291	144907	22.25%	0.508%
116	8.856	8.841	8.877	VV	10112	181468	27.87%	0.636%
117	8.893	8.877	8.901	VV	8724	115445	17.73%	0.404%
118	8.907	8.901	8.933	VV	8492	152817	23.47%	0.535%
119	8.947	8.933	8.962	VV	8943	143053	21.97%	0.501%
120	8.986	8.962	9.013	VV	11544	256208	39.35%	0.897%
121	9.082	9.067	9.100	VV	8844	153273	23.54%	0.537%
122	9.226	9.200	9.257	VV	10722	294926	45.29%	1.033%
123	9.268	9.257	9.285	VV	7317	119063	18.28%	0.417%
124	9.306	9.285	9.341	VV	12858	320024	49.15%	1.121%
125	9.358	9.341	9.378	VV	10289	198697	30.51%	0.696%
126	9.391	9.378	9.401	VV	8240	110506	16.97%	0.387%
127	9.424	9.401	9.443	VV	14951	266777	40.97%	0.934%
128	9.517	9.506	9.538	VV	8865	150857	23.17%	0.528%
129	9.568	9.538	9.583	VV	9935	210084	32.26%	0.736%
130	9.622	9.607	9.674	VV	11259	348602	53.53%	1.221%
131	9.705	9.674	9.729	VV	11574	316884	48.66%	1.110%
132	9.746	9.729	9.761	VV	10131	174975	26.87%	0.613%
133	9.773	9.761	9.790	VV	9388	156362	24.01%	0.548%
134	9.802	9.790	9.822	VV	8828	156500	24.03%	0.548%
135	9.844	9.822	9.864	VV	10669	228381	35.07%	0.800%
136	9.874	9.864	9.926	VV	9060	297499	45.69%	1.042%
137	9.939	9.926	9.952	VV	7347	109492	16.81%	0.383%
138	9.993	9.952	10.025	VV	9413	340462	52.28%	1.192%
139	10.041	10.025	10.078	VV	8537	246343	37.83%	0.863%
140	10.096	10.078	10.113	VV	8892	169081	25.97%	0.592%
141	10.138	10.113	10.159	VV	12980	272241	41.81%	0.953%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

142	10.179	10.159	10.192	VV	11045	188040	28.88%	0.659%
143	10.209	10.192	10.238	VV	13009	276061	42	
144	10.256	10.238	10.278	VV	9014	200121	30	
145	10.377	10.344	10.422	VV	7840	323435	49	
146	10.453	10.422	10.462	VV	8050	172549	26	
147	10.494	10.462	10.524	VV	11122	351249	53	
148	10.537	10.524	10.553	VV	9070	145969	22.42%	0.511%
149	10.568	10.553	10.584	VV	8475	148881	22.86%	0.521%
150	10.604	10.584	10.620	VV	9564	183587	28.19%	0.643%
151	10.635	10.620	10.690	VV	9120	327644	50.32%	1.148%
152	10.710	10.690	10.725	VV	7619	149202	22.91%	0.523%
153	10.764	10.752	10.798	VV	7668	207141	31.81%	0.725%
154	10.813	10.798	10.840	VV	8191	186611	28.66%	0.654%
155	10.921	10.891	10.960	VV	35757	651170	100.00%	2.281%
156	10.986	10.960	11.000	VV	8442	192111	29.50%	0.673%
157	11.017	11.000	11.043	VV	8167	199989	30.71%	0.700%
158	11.076	11.043	11.108	VV	9054	304389	46.74%	1.066%
159	11.122	11.108	11.140	VV	6930	128067	19.67%	0.449%
160	11.202	11.140	11.233	VV	9401	424824	65.24%	1.488%
161	11.255	11.233	11.265	VV	9569	156800	24.08%	0.549%
162	11.386	11.373	11.419	VV	9073	220137	33.81%	0.771%
163	11.480	11.419	11.499	VV	7754	340631	52.31%	1.193%
164	11.525	11.499	11.543	VV	8874	204129	31.35%	0.715%
165	11.554	11.543	11.574	VV	7949	142338	21.86%	0.499%
166	11.605	11.574	11.625	VV	8844	237475	36.47%	0.832%
167	11.726	11.707	11.737	VV	6859	118546	18.21%	0.415%
168	11.762	11.737	11.780	VV	7464	186265	28.60%	0.652%
169	11.798	11.780	11.812	VV	7354	132708	20.38%	0.465%
170	11.967	11.891	11.985	VV	8487	419592	64.44%	1.470%
171	11.995	11.985	12.019	VV	7430	145163	22.29%	0.508%
172	12.121	12.108	12.148	VV	6925	157422	24.18%	0.551%
173	12.167	12.148	12.187	VV	6685	146987	22.57%	0.515%
174	12.231	12.187	12.251	VV	7700	260335	39.98%	0.912%
175	12.268	12.251	12.315	VV	7808	262858	40.37%	0.921%
176	12.342	12.315	12.355	VV	6469	151149	23.21%	0.529%
177	12.410	12.398	12.424	VV	6160	95105	14.61%	0.333%
178	12.454	12.424	12.468	VV	6341	160784	24.69%	0.563%
179	12.483	12.468	12.501	VV	6569	128790	19.78%	0.451%
180	12.523	12.501	12.541	VV	6769	157132	24.13%	0.550%
181	12.556	12.541	12.575	VV	6473	126521	19.43%	0.443%
182	12.614	12.575	12.640	VV	12189	316539	48.61%	1.109%
183	12.655	12.640	12.688	VV	6851	178959	27.48%	0.627%
184	12.835	12.806	12.846	VV	5807	130608	20.06%	0.457%
185	12.860	12.846	12.885	VV	5889	130460	20.03%	0.457%
186	12.911	12.885	12.922	VV	5761	119480	18.35%	0.418%
187	12.931	12.922	12.970	VV	5662	154020	23.65%	0.539%
188	12.984	12.970	13.013	VV	5314	133667	20.53%	0.468%
189	13.065	13.013	13.108	VV	5397	287725	44.19%	1.008%
190	13.193	13.171	13.224	VV	6543	172134	26.43%	0.603%
191	13.270	13.224	13.294	VV	6311	221283	33.98%	0.775%
192	13.338	13.318	13.358	VV	4900	112878	17.33%	0.395%
193	13.372	13.358	13.395	VV	4847	103621	15.91%	0.363%
194	13.492	13.474	13.513	VV	4234	96369	14.80%	0.338%

Instrument :
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ClientSampleId :
EX-6-TPH-2DL2

Manual IntegrationsAPPROVED

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rteres

195	13.550	13.513	13.578	VV	4434	163356	25.09%	0.572%
196	13.595	13.578	13.611	VV	4238	82202	12	
197	13.623	13.611	13.670	VV	4096	138684	21	
198	13.765	13.743	13.798	VV	6236	161920	24	
199	13.812	13.798	13.865	VV	4043	152206	23	
200	13.926	13.865	13.970	VV	4791	245520	37	
201	14.049	14.031	14.071	VV	3408	79169	12.16%	0.277%
202	14.102	14.071	14.128	VV	4491	126759	19.47%	0.444%
203	14.151	14.128	14.177	VV	3434	95436	14.66%	0.334%
204	14.196	14.177	14.246	VV	3322	130247	20.00%	0.456%
205	14.251	14.246	14.271	VV	3016	44719	6.87%	0.157%
206	14.315	14.271	14.343	VV	3432	136700	20.99%	0.479%
207	14.456	14.421	14.480	VV	2958	98050	15.06%	0.343%
208	14.500	14.480	14.512	VV	2926	55235	8.48%	0.193%
209	14.522	14.512	14.538	VV	2928	44034	6.76%	0.154%
210	14.549	14.538	14.588	VV	2899	81291	12.48%	0.285%
211	14.608	14.588	14.635	VV	2777	76666	11.77%	0.269%
212	15.001	14.987	15.068	VH	2442	107441	16.50%	0.376%
213	15.147	15.121	15.205	HH	2559	111743	17.16%	0.391%
214	15.268	15.257	15.291	HH	2127	41610	6.39%	0.146%
215	15.306	15.291	15.353	HH	2207	75216	11.55%	0.263%
216	15.559	15.538	15.588	HH	1980	56018	8.60%	0.196%
217	15.766	15.744	15.788	HH	1758	45512	6.99%	0.159%
218	15.997	15.984	16.005	HH	1759	21827	3.35%	0.076%
219	16.257	16.234	16.311	HH	1786	78755	12.09%	0.276%
220	16.336	16.311	16.361	HH	1781	52189	8.01%	0.183%
221	16.475	16.465	16.501	HH	1778	37509	5.76%	0.131%
222	16.509	16.501	16.530	HH	1730	29090	4.47%	0.102%
223	16.602	16.591	16.615	HH	1869	25536	3.92%	0.089%
224	16.623	16.615	16.645	HH	1872	32856	5.05%	0.115%
225	16.729	16.715	16.775	HH	1828	64133	9.85%	0.225%
226	16.807	16.775	16.845	HH	1963	78459	12.05%	0.275%
227	16.966	16.956	17.027	HV	2008	79749	12.25%	0.279%
228	17.057	17.027	17.085	VV	2125	65331	10.03%	0.229%
229	17.094	17.085	17.125	VV	1766	41269	6.34%	0.145%
230	17.152	17.125	17.165	VV	1606	37059	5.69%	0.130%
231	17.231	17.165	17.253	VV	1558	81987	12.59%	0.287%
232	17.272	17.253	17.315	VV	1634	56565	8.69%	0.198%
233	17.331	17.315	17.341	VV	1398	21405	3.29%	0.075%
234	17.519	17.467	17.553	VV	1700	66481	10.21%	0.233%
235	17.575	17.553	17.618	VV	1220	40732	6.26%	0.143%
236	17.647	17.618	17.656	VV	1013	22202	3.41%	0.078%
237	17.672	17.656	17.691	VV	963	18972	2.91%	0.066%
238	17.817	17.691	17.833	VV	1377	75881	11.65%	0.266%
239	17.895	17.833	17.921	VV	793	40038	6.15%	0.140%
240	17.971	17.921	18.024	VV	1645	52830	8.11%	0.185%
241	18.083	18.024	18.105	VV	651	28185	4.33%	0.099%
242	18.119	18.105	18.153	VV	647	15331	2.35%	0.054%
243	18.186	18.153	18.211	VV	461	14136	2.17%	0.050%
244	18.219	18.211	18.232	VV	434	4736	0.73%	0.017%
245	18.246	18.232	18.255	VV	423	5087	0.78%	0.018%
246	18.262	18.255	18.268	VV	352	2813	0.43%	0.010%

Instrument :
FID_E
ClientSampleId :
EX-6-TPH-2DL2

Manual IntegrationsAPPROVED

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rteres

247	18.349	18.268	18.359	VV	406	18230	2.80%	0.064%
248	18.403	18.359	18.432	VV	1667	31020	4	
249	18.440	18.432	18.468	VV	362	4953	0	
250	18.487	18.468	18.508	VV	241	4378	0	
251	18.593	18.508	18.641	VV	504	17618	2	
252	18.686	18.641	18.705	VV	156	5104	0	
253	18.825	18.705	18.895	PV	1629	31761	4.88%	0.111%
254	18.956	18.895	18.985	PV	587	12204	1.87%	0.043%
255	19.012	18.985	19.025	VV	85	1205	0.19%	0.004%
256	19.034	19.025	19.043	PV	38	326	0.05%	0.001%
257	19.091	19.043	19.100	VV	218	2604	0.40%	0.009%
258	19.115	19.100	19.161	VV	165	3165	0.49%	0.011%
259	19.232	19.161	19.268	PV	1970	31120	4.78%	0.109%
260	19.279	19.268	19.294	VV	183	1987	0.31%	0.007%
261	19.378	19.294	19.396	VV	279	7919	1.22%	0.028%
262	19.425	19.396	19.439	PV	218	3348	0.51%	0.012%
263	19.554	19.439	19.566	VV	106	4230	0.65%	0.015%
264	19.628	19.566	19.674	VV	1598	29880	4.59%	0.105%
265	19.715	19.674	19.731	VV	256	6742	1.04%	0.024%
266	19.782	19.731	19.791	VV	418	8705	1.34%	0.030%
267	19.922	19.791	19.938	VV	717	46745	7.18%	0.164%
268	20.013	19.938	20.045	VV	2218	66534	10.22%	0.233%
269	20.176	20.045	20.183	VV	1248	90674	13.92%	0.318%
270	22.431	22.351	22.473	VV	379	22390	3.44%	0.078%

Sum of corrected areas: 28552057

Aliphatic EPH 020325.M Mon Feb 10 04:54:22 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-6-TPH-2DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-03DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015500.D	20	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	90.4		7.13	15.9	mg/kg
Aromatic C12-C16	Aromatic C12-C16	288		8.09	23.8	mg/kg
Aromatic C16-C21	Aromatic C16-C21	599		22.8	39.6	mg/kg
Aromatic C21-C36	Aromatic C21-C36	79.5		47.6	63.4	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	3.98		40 - 140	159%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	2.51		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.77		40 - 140	111%	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:	Q1308-03DL2	Acq On:	08 Feb 2025 00:00
Client Sample ID:	EX-6-TPH-2DL2	Operator:	YP\AJ
Data file:	FF015500.D	Misc:	
Instrument:	FID_F	ALS Vial:	84
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	7873177	57.001	200	ug/ml
Aromatic C12-C16	6.375	9.068	24378903	181.709	300	ug/ml
Aromatic C16-C21	9.069	13.385	46612226	378.344	500	ug/ml
Aromatic C21-C36	13.386	18.838	5903217	50.122	800	ug/ml
Aromatic EPH	4.505	18.838	84767523	667.177		ug/ml
ortho-Terphenyl (SURR)	11.924	11.924	365134	2.77		ug/ml
2-Bromonaphthalene (SURR)	7.982	7.982	472865	3.98		ug/ml
2-Flurobiphenyl (SURR)	8.860	8.860	190283	2.51		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015500.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:00
Operator : YP\AJ
Sample : Q1308-03DL2 20X
Misc :
ALS Vial : 84 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:38:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-6-TPH-2DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.982	472865	3.979 ug/mlm
Spiked Amount 50.000		Recovery =	7.96%
6) S 2-Flurobiphenyl (SURR)	8.860	190283	2.506 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	5.01%
11) S ortho-Terphenyl (SURR)	11.924	365134	2.769 ug/mlm
Spiked Amount 50.000		Recovery =	5.54%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015500.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:00
Operator : YP\AJ
Sample : Q1308-03DL2 20X
Misc :
ALS Vial : 84 Sample Multiplier: 1

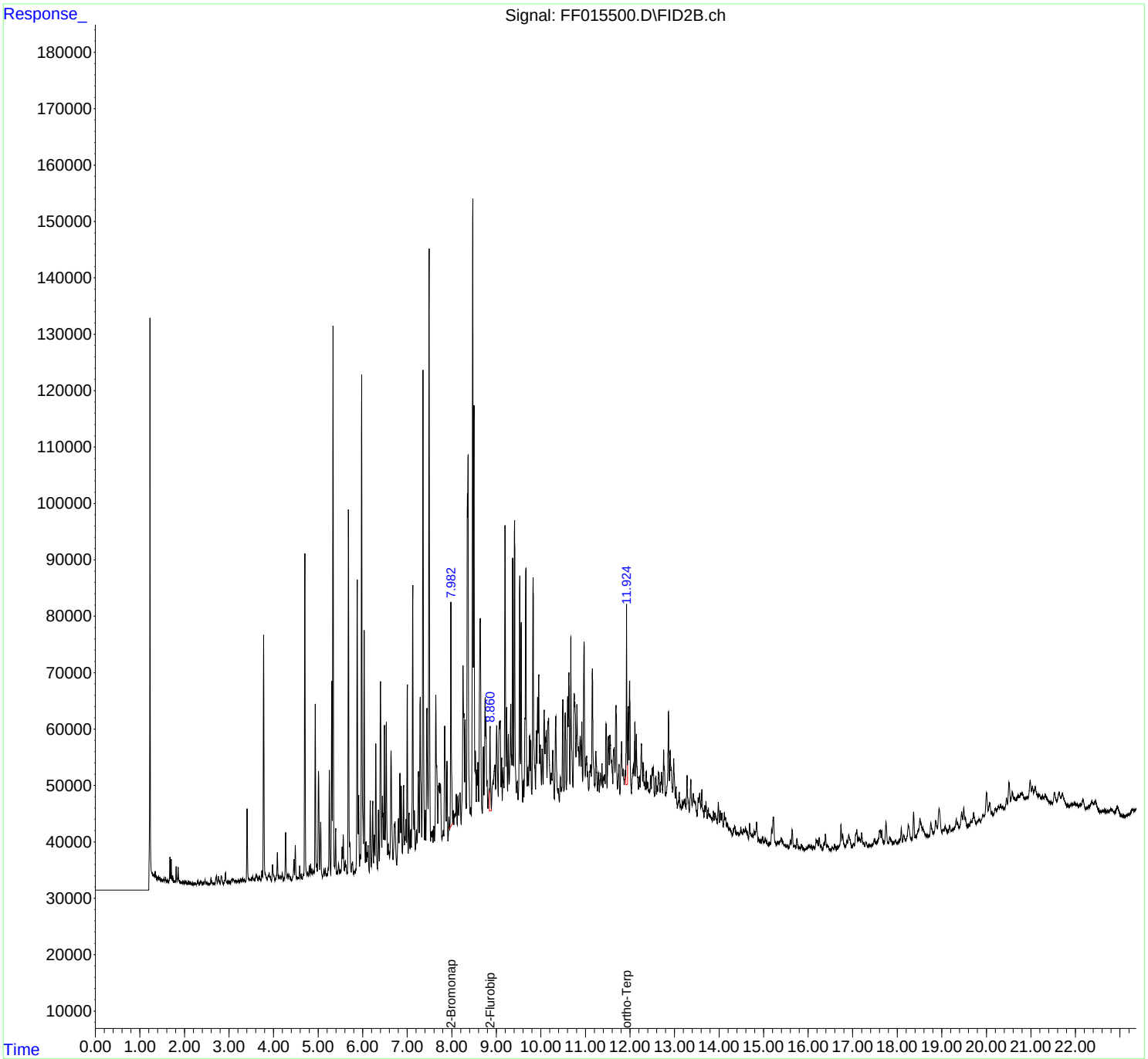
Integration File: autoint1.e
Quant Time: Feb 10 00:38:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

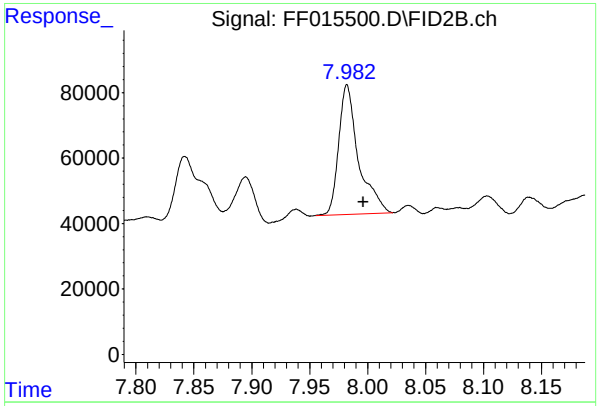
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





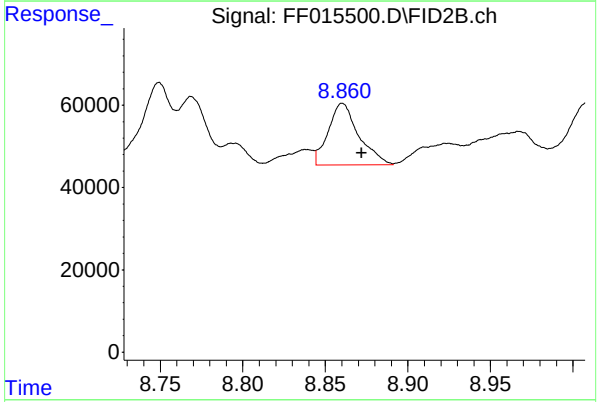
#4 2-Bromonaphthalene (SURR)

R.T.: 7.982 min
Delta R.T.: -0.015 min
Response: 472865
Conc: 3.98 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL2

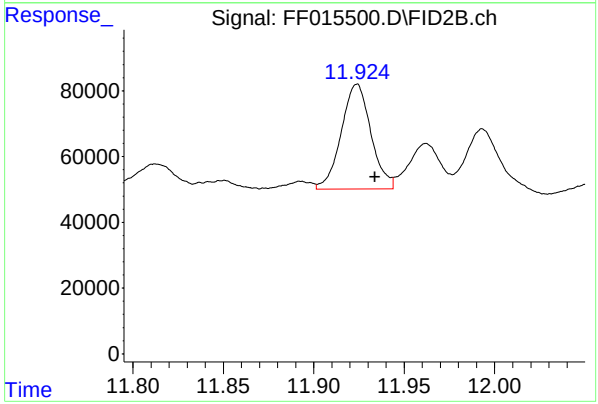
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.860 min
Delta R.T.: -0.012 min
Response: 190283
Conc: 2.51 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: -0.010 min
Response: 365134
Conc: 2.77 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015500.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:00
Sample : Q1308-03DL2 20X
Misc :
ALS Vial : 84 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.458	4.400	4.472	BV	3643	47076	3.12%	0.054%
2	4.489	4.472	4.523	VV	6084	70174	4.66%	0.081%
3	4.529	4.523	4.544	VV	390	4565	0.30%	0.005%
4	4.551	4.544	4.565	VV	370	3835	0.25%	0.004%
5	4.587	4.565	4.606	VV	2446	26779	1.78%	0.031%
6	4.623	4.606	4.642	VV	920	11401	0.76%	0.013%
7	4.672	4.642	4.681	VV	992	12291	0.82%	0.014%
8	4.703	4.681	4.747	VV	57731	605310	40.16%	0.696%
9	4.759	4.747	4.783	VV	1100	19565	1.30%	0.023%
10	4.804	4.783	4.818	VV	2396	30282	2.01%	0.035%
11	4.832	4.818	4.846	VV	2701	28805	1.91%	0.033%
12	4.858	4.846	4.874	VV	1749	21969	1.46%	0.025%
13	4.892	4.874	4.903	VV	1387	20321	1.35%	0.023%
14	4.937	4.903	4.960	VV	30884	337622	22.40%	0.388%
15	4.967	4.960	4.980	VV	2415	23710	1.57%	0.027%
16	5.010	4.980	5.037	VV	18984	290453	19.27%	0.334%
17	5.059	5.037	5.099	VV	9989	136593	9.06%	0.157%
18	5.130	5.099	5.147	VV	1552	23984	1.59%	0.028%
19	5.163	5.147	5.180	VV	1835	21683	1.44%	0.025%
20	5.193	5.180	5.204	VV	793	8460	0.56%	0.010%
21	5.227	5.204	5.233	VV	1657	18723	1.24%	0.022%
22	5.253	5.233	5.284	VV	19087	217623	14.44%	0.250%
23	5.307	5.284	5.319	VV	34818	346518	22.99%	0.399%
24	5.336	5.319	5.376	VV	97683	1019255	67.62%	1.173%
25	5.394	5.376	5.415	VV	8643	96700	6.41%	0.111%
26	5.429	5.415	5.440	VV	1064	13256	0.88%	0.015%
27	5.460	5.440	5.482	VV	2442	39407	2.61%	0.045%
28	5.491	5.482	5.507	VV	1139	14777	0.98%	0.017%
29	5.540	5.507	5.552	VV	5397	76333	5.06%	0.088%
30	5.565	5.552	5.585	VV	7505	88279	5.86%	0.102%
31	5.609	5.585	5.620	VV	2800	39556	2.62%	0.046%
32	5.629	5.620	5.647	VV	2188	24212	1.61%	0.028%
33	5.682	5.647	5.708	VV	65086	698407	46.33%	0.804%
34	5.715	5.708	5.743	VV	5855	67912	4.51%	0.078%
35	5.774	5.743	5.795	VV	2644	53475	3.55%	0.062%
36	5.816	5.795	5.828	VV	912	14156	0.94%	0.016%

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rteres

37	5.879	5.828	5.900	VV	52544	624364	41.42%	0.718%
38	5.912	5.900	5.932	VV	14454	157771	10	
39	5.947	5.932	5.956	VV	3847	45812	3	
40	5.978	5.956	6.018	VV	89060	1050123	69	
41	6.035	6.018	6.061	VV	43566	468369	31	
42	6.076	6.061	6.090	VV	6070	70819	4	
43	6.101	6.090	6.110	VV	4169	41584	2.76%	0.048%
44	6.122	6.110	6.147	VV	5392	73087	4.85%	0.084%
45	6.172	6.147	6.194	VV	13270	161700	10.73%	0.186%
46	6.227	6.194	6.244	VV	13226	184261	12.22%	0.212%
47	6.261	6.244	6.276	VV	7158	93940	6.23%	0.108%
48	6.296	6.276	6.333	VV	23219	303446	20.13%	0.349%
49	6.355	6.333	6.375	VV	11552	141684	9.40%	0.163%
50	6.400	6.375	6.431	VV	34307	561188	37.23%	0.646%
51	6.445	6.431	6.456	VV	13963	155108	10.29%	0.178%
52	6.461	6.456	6.473	VV	10877	97312	6.46%	0.112%
53	6.488	6.473	6.506	VV	26496	293315	19.46%	0.337%
54	6.531	6.506	6.562	VV	27010	406773	26.98%	0.468%
55	6.575	6.562	6.606	VV	5381	108659	7.21%	0.125%
56	6.638	6.606	6.682	VV	21851	442394	29.35%	0.509%
57	6.715	6.682	6.720	VV	8901	129355	8.58%	0.149%
58	6.729	6.720	6.766	VV	9327	148943	9.88%	0.171%
59	6.805	6.766	6.818	VV	9830	188680	12.52%	0.217%
60	6.838	6.818	6.855	VV	17868	274511	18.21%	0.316%
61	6.868	6.855	6.892	VV	15494	211146	14.01%	0.243%
62	6.920	6.892	6.937	VV	15658	238947	15.85%	0.275%
63	6.947	6.937	6.957	VV	6554	70779	4.70%	0.081%
64	6.971	6.957	6.984	VV	9626	126592	8.40%	0.146%
65	7.002	6.984	7.023	VV	33558	379072	25.15%	0.436%
66	7.042	7.023	7.064	VV	10725	166515	11.05%	0.192%
67	7.081	7.064	7.093	VV	7819	107209	7.11%	0.123%
68	7.126	7.093	7.151	VV	51121	691207	45.85%	0.795%
69	7.163	7.151	7.185	VV	11157	159924	10.61%	0.184%
70	7.209	7.185	7.223	VV	7715	135472	8.99%	0.156%
71	7.252	7.223	7.272	VV	17987	338822	22.48%	0.390%
72	7.292	7.272	7.328	VV	31202	562576	37.32%	0.647%
73	7.355	7.328	7.390	VV	89019	1228891	81.52%	1.414%
74	7.405	7.390	7.420	VV	11092	148602	9.86%	0.171%
75	7.442	7.420	7.470	VV	29129	527934	35.02%	0.607%
76	7.492	7.470	7.527	VV	110422	1362470	90.38%	1.568%
77	7.542	7.527	7.555	VV	7247	112192	7.44%	0.129%
78	7.567	7.555	7.581	VV	7344	101369	6.72%	0.117%
79	7.598	7.581	7.614	VV	8135	132731	8.81%	0.153%
80	7.644	7.614	7.689	VV	31457	732782	48.61%	0.843%
81	7.706	7.689	7.714	VV	15310	187972	12.47%	0.216%
82	7.722	7.714	7.734	VV	15792	182312	12.09%	0.210%
83	7.750	7.734	7.780	VV	15567	314950	20.89%	0.362%
84	7.810	7.780	7.822	VV	7349	164255	10.90%	0.189%
85	7.842	7.822	7.875	VV	25800	519977	34.49%	0.598%
86	7.895	7.875	7.916	VV	19573	301240	19.98%	0.347%
87	7.938	7.916	7.951	VV	9644	161777	10.73%	0.186%
88	7.982	7.951	8.023	VV	47716	819437	54.36%	0.943%
89	8.035	8.023	8.048	VV	10760	146230	9.70%	0.168%

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90	8.060	8.048	8.069	VV	10019	114290	7.58%	0.132%
91	8.079	8.069	8.087	VV	10003	108124	7	
92	8.103	8.087	8.123	VV	13618	242302	16	
93	8.139	8.123	8.158	VV	13216	230152	15	
94	8.188	8.158	8.210	VV	13810	361954	24	
95	8.255	8.210	8.269	VV	36076	704022	46	
96	8.275	8.269	8.289	VV	27859	286278	18.99%	0.329%
97	8.302	8.289	8.330	VV	26758	418719	27.78%	0.482%
98	8.352	8.330	8.357	VV	66665	661597	43.89%	0.761%
99	8.366	8.357	8.411	VV	73645	1050391	69.68%	1.209%
100	8.426	8.411	8.440	VV	10968	184177	12.22%	0.212%
101	8.472	8.440	8.487	VV	119066	1507423	100.00%	1.735%
102	8.500	8.487	8.521	VV	82130	975917	64.74%	1.123%
103	8.532	8.521	8.551	VV	21004	319964	21.23%	0.368%
104	8.564	8.551	8.574	VV	17733	209122	13.87%	0.241%
105	8.586	8.574	8.606	VV	19003	308610	20.47%	0.355%
106	8.639	8.606	8.687	VV	44500	1223669	81.18%	1.408%
107	8.710	8.687	8.725	VV	21795	358481	23.78%	0.412%
108	8.749	8.725	8.760	VV	30429	468260	31.06%	0.539%
109	8.769	8.760	8.787	VV	27021	359081	23.82%	0.413%
110	8.794	8.787	8.812	VV	15617	208947	13.86%	0.240%
111	8.839	8.812	8.843	VV	14067	234818	15.58%	0.270%
112	8.860	8.843	8.892	VV	25340	496464	32.93%	0.571%
113	8.924	8.892	8.934	VV	15523	352917	23.41%	0.406%
114	8.967	8.934	8.985	VV	18451	516594	34.27%	0.594%
115	9.009	8.985	9.043	VV	25288	652911	43.31%	0.751%
116	9.075	9.043	9.082	VV	25905	508482	33.73%	0.585%
117	9.090	9.082	9.109	VV	26257	354242	23.50%	0.408%
118	9.121	9.109	9.136	VV	19596	263912	17.51%	0.304%
119	9.151	9.136	9.175	VV	17908	361803	24.00%	0.416%
120	9.198	9.175	9.219	VV	60762	919412	60.99%	1.058%
121	9.234	9.219	9.255	VV	28549	460772	30.57%	0.530%
122	9.272	9.255	9.290	VV	23661	391603	25.98%	0.451%
123	9.325	9.290	9.339	VV	29015	604369	40.09%	0.695%
124	9.344	9.339	9.352	VV	20078	154999	10.28%	0.178%
125	9.369	9.352	9.387	VV	54992	714994	47.43%	0.823%
126	9.410	9.387	9.452	VV	61550	1135227	75.31%	1.306%
127	9.471	9.452	9.489	VV	15250	309844	20.55%	0.357%
128	9.527	9.489	9.544	VV	51691	863887	57.31%	0.994%
129	9.560	9.544	9.593	VV	43627	708950	47.03%	0.816%
130	9.608	9.593	9.622	VV	15401	240019	15.92%	0.276%
131	9.664	9.622	9.695	VV	52915	1178831	78.20%	1.356%
132	9.710	9.695	9.726	VV	17556	294625	19.54%	0.339%
133	9.748	9.726	9.761	VV	23341	393719	26.12%	0.453%
134	9.773	9.761	9.797	VV	22476	380114	25.22%	0.437%
135	9.827	9.797	9.882	VV	51253	1250511	82.96%	1.439%
136	9.900	9.882	9.914	VV	24068	378500	25.11%	0.436%
137	9.929	9.914	9.940	VV	29994	397137	26.35%	0.457%
138	9.953	9.940	9.974	VV	33958	545706	36.20%	0.628%
139	9.990	9.974	10.015	VV	21601	448474	29.75%	0.516%
140	10.031	10.015	10.051	VV	20827	389150	25.82%	0.448%
141	10.075	10.051	10.095	VV	27719	577470	38.31%	0.664%

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rteres

142	10.106	10.095	10.112	VV	22772	215433	14.29%	0.248%
143	10.122	10.112	10.140	VV	23959	361144	23	
144	10.174	10.140	10.216	VV	26189	942489	62	
145	10.235	10.216	10.249	VV	16338	306406	20	
146	10.268	10.249	10.302	VV	20207	526697	34	
147	10.335	10.302	10.384	VV	26326	855768	56	
148	10.393	10.384	10.417	VV	13648	251892	16.71%	0.290%
149	10.437	10.417	10.458	VV	15587	340358	22.58%	0.392%
150	10.462	10.458	10.470	VV	13703	96548	6.40%	0.111%
151	10.494	10.470	10.518	VV	29365	552098	36.63%	0.635%
152	10.548	10.518	10.575	VV	27006	645408	42.82%	0.743%
153	10.602	10.575	10.614	VV	29861	504049	33.44%	0.580%
154	10.629	10.614	10.654	VV	33974	615837	40.85%	0.709%
155	10.673	10.654	10.721	VV	40369	935759	62.08%	1.077%
156	10.749	10.721	10.761	VV	30215	554557	36.79%	0.638%
157	10.766	10.761	10.789	VV	28773	414909	27.52%	0.477%
158	10.811	10.789	10.837	VV	28331	679132	45.05%	0.781%
159	10.849	10.837	10.862	VV	20800	291807	19.36%	0.336%
160	10.883	10.862	10.903	VV	22635	491891	32.63%	0.566%
161	10.919	10.903	10.938	VV	25209	434531	28.83%	0.500%
162	10.971	10.938	10.998	VV	39117	901031	59.77%	1.037%
163	11.025	10.998	11.046	VV	19056	498323	33.06%	0.573%
164	11.053	11.046	11.073	VV	16263	244905	16.25%	0.282%
165	11.115	11.073	11.132	VV	17530	550000	36.49%	0.633%
166	11.158	11.132	11.213	VV	34601	981176	65.09%	1.129%
167	11.236	11.213	11.274	VV	19895	596172	39.55%	0.686%
168	11.293	11.274	11.315	VV	16005	350122	23.23%	0.403%
169	11.337	11.315	11.354	VV	15970	339149	22.50%	0.390%
170	11.374	11.354	11.391	VV	17512	352540	23.39%	0.406%
171	11.415	11.391	11.422	VV	15160	274048	18.18%	0.315%
172	11.431	11.422	11.442	VV	15573	171928	11.41%	0.198%
173	11.465	11.442	11.487	VV	24518	510049	33.84%	0.587%
174	11.517	11.487	11.535	VV	22419	555015	36.82%	0.639%
175	11.551	11.535	11.613	VV	22611	874174	57.99%	1.006%
176	11.644	11.613	11.664	VV	20313	557005	36.95%	0.641%
177	11.688	11.664	11.720	VV	27755	699249	46.39%	0.805%
178	11.752	11.720	11.774	VV	17263	474415	31.47%	0.546%
179	11.812	11.774	11.834	VV	21319	603303	40.02%	0.694%
180	11.850	11.834	11.870	VV	16314	335974	22.29%	0.387%
181	11.893	11.870	11.902	VV	16061	281660	18.68%	0.324%
182	11.924	11.902	11.944	VV	45557	707495	46.93%	0.814%
183	11.962	11.944	11.977	VV	27503	437114	29.00%	0.503%
184	11.993	11.977	12.029	VV	31916	656148	43.53%	0.755%
185	12.079	12.029	12.092	VV	17035	565794	37.53%	0.651%
186	12.110	12.092	12.128	VV	24676	419056	27.80%	0.482%
187	12.144	12.128	12.191	VV	22512	635653	42.17%	0.731%
188	12.211	12.191	12.228	VV	14865	310332	20.59%	0.357%
189	12.259	12.228	12.284	VV	20807	570016	37.81%	0.656%
190	12.299	12.284	12.320	VV	17200	332221	22.04%	0.382%
191	12.329	12.320	12.350	VV	13841	242528	16.09%	0.279%
192	12.366	12.350	12.380	VV	15771	254578	16.89%	0.293%
193	12.400	12.380	12.431	VV	13734	392666	26.05%	0.452%
194	12.464	12.431	12.478	VV	15009	378236	25.09%	0.435%

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195	12.499	12.478	12.510	VV	16203	281043	18.64%	0.323%
196	12.521	12.510	12.555	VV	16358	378926	25	
197	12.580	12.555	12.598	VV	14817	333931	22	
198	12.612	12.598	12.622	VV	13147	179022	11	
199	12.641	12.622	12.675	VV	15534	443761	29	
200	12.710	12.675	12.734	VV	15441	479231	31	
201	12.755	12.734	12.797	VV	19407	566077	37.55%	0.651%
202	12.864	12.797	12.884	VV	26114	827337	54.88%	0.952%
203	12.903	12.884	12.922	VV	19247	386889	25.67%	0.445%
204	12.927	12.922	12.955	VV	16021	281184	18.65%	0.324%
205	12.981	12.955	13.019	VV	17801	532426	35.32%	0.613%
206	13.036	13.019	13.069	VV	12801	324270	21.51%	0.373%
207	13.107	13.069	13.152	VV	11730	493958	32.77%	0.568%
208	13.173	13.152	13.185	VV	10266	189759	12.59%	0.218%
209	13.225	13.185	13.256	VV	10375	415923	27.59%	0.479%
210	13.281	13.256	13.332	VV	14678	491530	32.61%	0.566%
211	13.365	13.332	13.397	VV	13927	418914	27.79%	0.482%
212	13.416	13.397	13.454	VV	11416	358003	23.75%	0.412%
213	13.462	13.454	13.506	VV	9982	279577	18.55%	0.322%
214	13.531	13.506	13.540	VV	10616	190625	12.65%	0.219%
215	13.562	13.540	13.588	VV	11412	292511	19.40%	0.337%
216	13.612	13.588	13.635	VV	12059	285008	18.91%	0.328%
217	13.643	13.635	13.662	VV	8407	127862	8.48%	0.147%
218	13.676	13.662	13.690	VV	9190	142364	9.44%	0.164%
219	13.705	13.690	13.733	VV	9914	217593	14.43%	0.250%
220	13.758	13.733	13.776	VV	8739	199730	13.25%	0.230%
221	13.788	13.776	13.848	VV	7592	306286	20.32%	0.352%
222	13.877	13.848	13.894	VV	7955	199210	13.22%	0.229%
223	13.912	13.894	13.934	VV	7739	170056	11.28%	0.196%
224	13.937	13.934	13.954	VV	6827	75864	5.03%	0.087%
225	13.982	13.954	14.005	VV	9636	232425	15.42%	0.267%
226	14.063	14.047	14.099	VV	7681	199287	13.22%	0.229%
227	14.119	14.099	14.135	VV	7605	149943	9.95%	0.173%
228	14.146	14.135	14.177	VV	6852	151820	10.07%	0.175%
229	14.192	14.177	14.215	VV	5745	120696	8.01%	0.139%
230	14.355	14.300	14.399	VV	5207	257591	17.09%	0.296%
231	14.406	14.399	14.427	VV	4038	67889	4.50%	0.078%
232	14.432	14.427	14.450	VV	4025	52248	3.47%	0.060%
233	14.454	14.450	14.458	VV	3775	16489	1.09%	0.019%
234	14.488	14.458	14.507	VV	4978	125777	8.34%	0.145%
235	14.513	14.507	14.524	VV	4075	39437	2.62%	0.045%
236	14.632	14.625	14.657	VV	4210	68352	4.53%	0.079%
237	14.682	14.657	14.726	VV	5628	166540	11.05%	0.192%
238	14.732	14.726	14.762	VV	3513	71790	4.76%	0.083%
239	14.892	14.880	14.917	VV	2606	53264	3.53%	0.061%
240	14.938	14.917	14.955	VV	2425	53633	3.56%	0.062%
241	15.042	15.007	15.056	VV	2666	68913	4.57%	0.079%
242	15.111	15.103	15.135	VV	1788	32709	2.17%	0.038%
243	15.178	15.135	15.191	VV	4334	90696	6.02%	0.104%
244	15.316	15.290	15.342	VV	2087	57838	3.84%	0.067%
245	15.360	15.342	15.372	VV	2090	34520	2.29%	0.040%
246	15.391	15.372	15.457	VV	2777	105712	7.01%	0.122%

Instrument :
FID_F
ClientSampleId :
EX-6-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

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247	15.467	15.457	15.504	VV	1468	34982	2.32%	0.040%
248	15.523	15.504	15.547	VV	1407	30137	2	
249	15.563	15.547	15.573	VV	977	13824	0	
250	15.601	15.573	15.618	VV	2218	45102	2	
251	15.677	15.672	15.680	VV	1063	5154	0	
252	15.686	15.680	15.694	VV	1105	8636	0	
253	15.702	15.694	15.722	VV	1287	17855	1.18%	0.021%
254	15.810	15.805	15.823	VV	781	7412	0.49%	0.009%
255	15.850	15.823	15.914	VV	1368	43760	2.90%	0.050%
256	15.924	15.914	15.928	VV	496	3629	0.24%	0.004%
257	15.958	15.928	15.969	VV	634	13010	0.86%	0.015%
258	15.986	15.969	16.000	VV	720	12470	0.83%	0.014%
259	16.020	16.000	16.050	VV	1117	26267	1.74%	0.030%
260	16.116	16.088	16.134	VV	896	17961	1.19%	0.021%
261	16.139	16.134	16.142	VV	681	3156	0.21%	0.004%
262	16.146	16.142	16.154	VV	678	4478	0.30%	0.005%
263	16.178	16.154	16.196	VV	2045	36510	2.42%	0.042%
264	16.206	16.196	16.226	VV	1875	27896	1.85%	0.032%
265	16.291	16.284	16.327	VV	871	13523	0.90%	0.016%
266	16.358	16.327	16.368	VV	1444	22175	1.47%	0.026%
267	16.387	16.368	16.412	VV	2934	46684	3.10%	0.054%
268	16.430	16.412	16.443	VV	1034	16065	1.07%	0.018%
269	16.450	16.443	16.485	VV	855	11183	0.74%	0.013%
270	16.490	16.485	16.518	VV	260	2676	0.18%	0.003%
271	16.537	16.518	16.544	PV	582	5202	0.35%	0.006%
272	16.549	16.544	16.575	VV	513	6115	0.41%	0.007%
273	16.597	16.575	16.634	VV	929	16893	1.12%	0.019%
274	16.647	16.634	16.660	VV	345	3862	0.26%	0.004%
275	16.699	16.660	16.707	VV	724	13311	0.88%	0.015%
276	16.774	16.755	16.838	VV	2703	63788	4.23%	0.073%
277	17.018	16.991	17.042	VV	920	18364	1.22%	0.021%
278	17.124	17.111	17.144	VV	1770	29877	1.98%	0.034%
279	17.148	17.144	17.180	VV	1581	29252	1.94%	0.034%
280	17.240	17.235	17.268	VV	833	11115	0.74%	0.013%
281	17.368	17.334	17.387	PV	329	5492	0.36%	0.006%
282	17.394	17.387	17.400	VV	353	1975	0.13%	0.002%
283	17.403	17.400	17.410	VV	287	1389	0.09%	0.002%
284	17.417	17.410	17.429	VV	311	2676	0.18%	0.003%
285	17.440	17.429	17.452	VV	299	3208	0.21%	0.004%
286	17.483	17.452	17.511	VV	1091	24866	1.65%	0.029%
287	17.517	17.511	17.521	VV	643	3697	0.25%	0.004%
288	17.530	17.521	17.549	VV	769	10270	0.68%	0.012%
289	17.571	17.549	17.575	VV	1196	14157	0.94%	0.016%
290	17.652	17.636	17.676	VV	2677	41356	2.74%	0.048%
291	17.687	17.676	17.705	VV	790	10420	0.69%	0.012%
292	17.791	17.786	17.806	VV	468	3996	0.27%	0.005%
293	17.829	17.806	17.900	VV	1362	37782	2.51%	0.043%
294	17.957	17.900	17.987	PV	698	17351	1.15%	0.020%

Sum of corrected areas: 86908172

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-5	SDG No.:	Q1308
Lab Sample ID:	Q1308-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 13:44	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.45	U	1	0.45	1.17	mg/kg	FC068232.D
Aliphatic C12-C16	Aliphatic C12-C16	2.65		1	0.28	0.78	mg/kg	FC068232.D
Aliphatic C16-C21	Aliphatic C16-C21	5.32		1	0.35	1.17	mg/kg	FC068232.D
Aliphatic C21-C28	Aliphatic C21-C28	0.94	U	1	0.94	1.56	mg/kg	FC068232.D
Aliphatic C28-C40	Aliphatic C28-C40	4.05		1	2.11	2.34	mg/kg	FC068232.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.78	mg/kg	FD049055.D
Aromatic C12-C16	Aromatic C12-C16	1.54		1	0.40	1.17	mg/kg	FD049055.D
Aromatic C16-C21	Aromatic C16-C21	1.52	J	1	1.12	1.95	mg/kg	FD049055.D
Aromatic C21-C36	Aromatic C21-C36	2.34	U	1	2.34	3.12	mg/kg	FD049055.D
Total AliphaticEPH	Total AliphaticEPH	12.0			4.12	7.02	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.21	U		4.21	7.02	mg/kg	
Total EPH	Total EPH	15.1			8.33	14.0	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-5	SDG No.:	Q1308
Lab Sample ID:	Q1308-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
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
FC068232.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.45	U	0.45	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.65		0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	5.32		0.35	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.94	U	0.94	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.05		2.11	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	63.8		40 - 140	128%	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:	Q1308-04	Acq On:	07 Feb 2025 13:44
Client Sample ID:	EX-11-TPH-5	Operator:	YP/AJ
Data file:	FC068232.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	3.111	6.377	411258	2.97	300	ug/ml
Aliphatic C12-C16	6.378	9.762	4675997	33.955	200	ug/ml
Aliphatic C16-C21	9.763	13.116	9198105	68.124	300	ug/ml
Aliphatic C21-C28	13.117	16.769	573890	4.511	400	ug/ml
Aliphatic C28-C40	16.770	21.574	5379540	51.907	600	ug/ml
Aliphatic EPH	3.111	21.574	20238790	161.467		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.850	12.850	7331729	63.75		ug/ml
Aliphatic C9-C28	3.111	16.769	14859250	109.56	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068232.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:44
Operator : YP/AJ
Sample : Q1308-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5

Integration File: autoint1.e
Quant Time: Feb 07 22:14:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.850	7331729	63.753 ug/ml
Spiked Amount 50.000		Recovery = 127.51%	
Target Compounds			

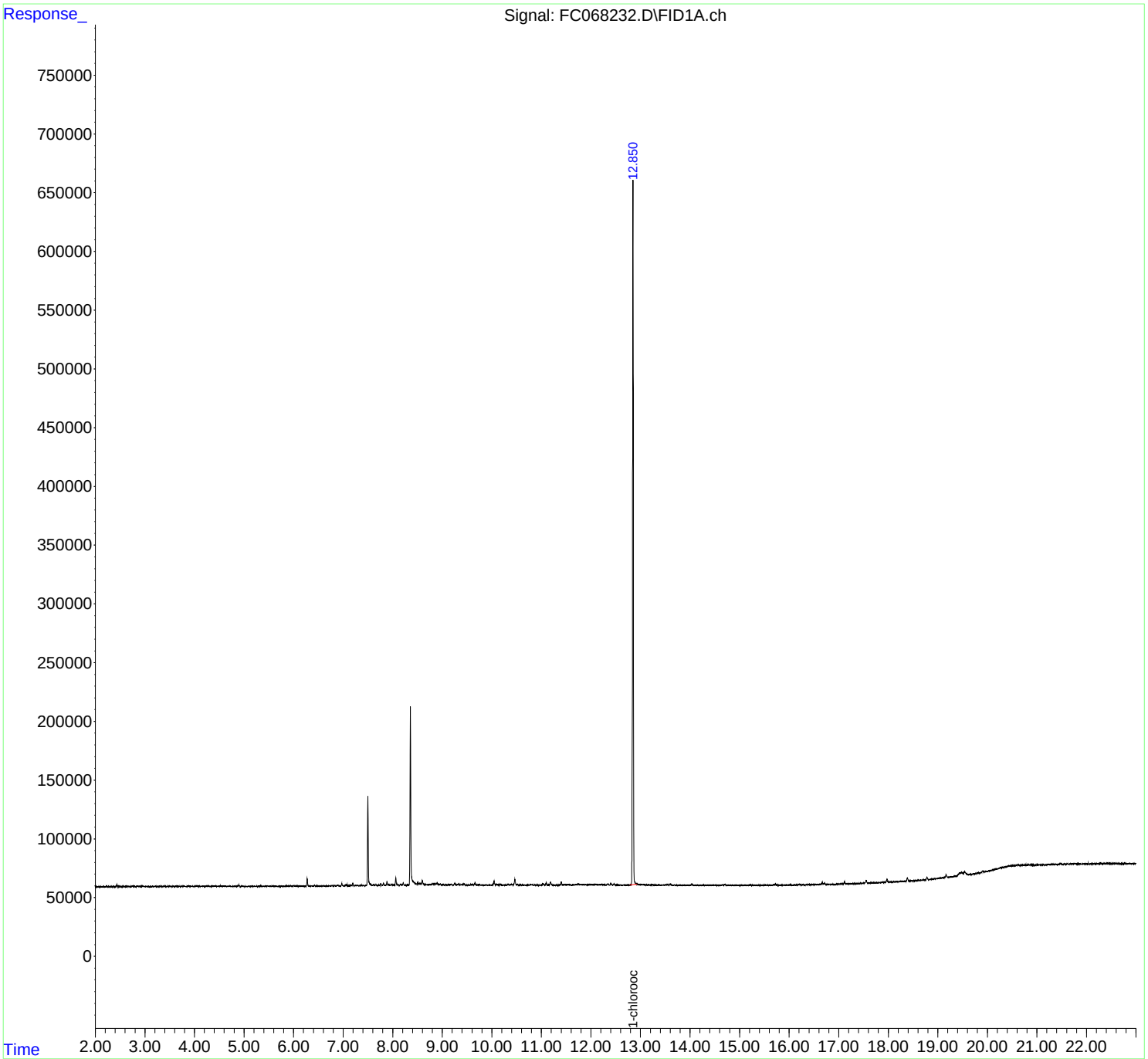
(f)=RT Delta > 1/2 Window (m)=manual int.

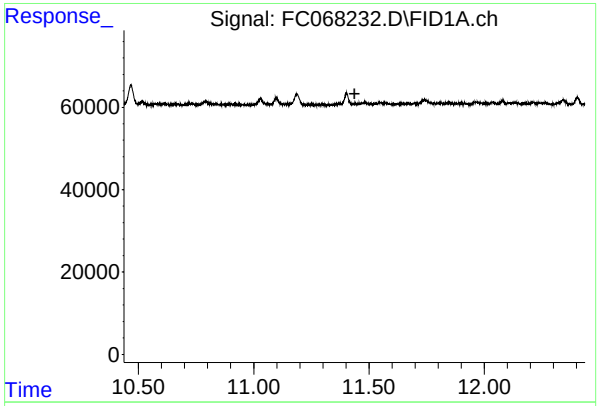
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068232.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:44
Operator : YP/AJ
Sample : Q1308-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5

Integration File: autoint1.e
Quant Time: Feb 07 22:14:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

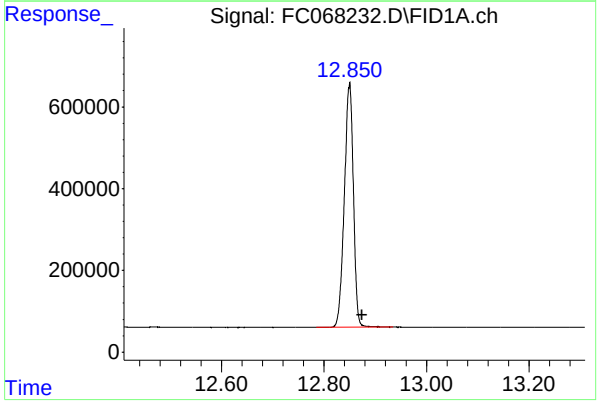




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5



#12 1-chlorooctadecane (SURR)

R.T.: 12.850 min
Delta R.T.: -0.024 min
Response: 7331729
Conc: 63.75 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068232.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:44
Sample : Q1308-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.159	3.005	3.185	BV	89	2551	0.03%	0.012%
2	3.211	3.185	3.288	VV	248	6745	0.09%	0.032%
3	3.306	3.288	3.398	PV	198	7676	0.10%	0.036%
4	3.500	3.398	3.568	VV	251	13317	0.18%	0.063%
5	3.614	3.568	3.631	VV	217	5282	0.07%	0.025%
6	3.655	3.631	3.678	VV	162	3028	0.04%	0.014%
7	3.742	3.678	3.762	VV	196	6416	0.09%	0.030%
8	3.789	3.762	3.838	VV	200	6357	0.09%	0.030%
9	3.899	3.838	3.985	VV	404	14699	0.20%	0.070%
10	4.046	3.985	4.164	VV	366	15584	0.21%	0.074%
11	4.188	4.164	4.208	VV	223	3810	0.05%	0.018%
12	4.220	4.208	4.251	VV	175	3845	0.05%	0.018%
13	4.268	4.251	4.344	VV	496	11100	0.15%	0.053%
14	4.368	4.344	4.398	VV	257	5113	0.07%	0.024%
15	4.432	4.398	4.475	VV	455	13870	0.19%	0.066%
16	4.520	4.475	4.561	VV	708	16099	0.22%	0.076%
17	4.577	4.561	4.625	VV	141	5583	0.07%	0.027%
18	4.638	4.625	4.661	VV	228	3626	0.05%	0.017%
19	4.677	4.661	4.695	VV	202	3021	0.04%	0.014%
20	4.729	4.695	4.762	VV	222	5201	0.07%	0.025%
21	4.818	4.762	4.851	VV	179	6197	0.08%	0.029%
22	4.896	4.851	4.935	VV	1276	19774	0.27%	0.094%
23	4.952	4.935	5.038	VV	386	10739	0.14%	0.051%
24	5.130	5.038	5.171	VV	191	9076	0.12%	0.043%
25	5.184	5.171	5.238	VV	193	4789	0.06%	0.023%
26	5.300	5.238	5.320	PV	501	9653	0.13%	0.046%
27	5.338	5.320	5.379	VV	595	9029	0.12%	0.043%
28	5.393	5.379	5.445	VV	221	4405	0.06%	0.021%
29	5.475	5.445	5.551	VV	499	11800	0.16%	0.056%
30	5.581	5.551	5.678	VV	344	12765	0.17%	0.061%
31	5.703	5.678	5.726	VV	245	2719	0.04%	0.013%
32	5.844	5.726	5.875	PV	442	16129	0.22%	0.077%
33	5.894	5.875	5.918	VV	273	5347	0.07%	0.025%
34	5.936	5.918	5.961	VV	493	7759	0.10%	0.037%
35	5.998	5.961	6.040	VV	435	13439	0.18%	0.064%
36	6.081	6.040	6.138	VV	396	15258	0.20%	0.072%

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37	6.160	6.138	6.181	VV	372	7334	0.10%	0.035%
38	6.198	6.181	6.251	VV	296	9528	0.13%	0.045%
39	6.276	6.251	6.327	VV	6479	73838	0.99%	0.351%
40	6.358	6.327	6.378	VV	455	8757	0.12%	0.042%
41	6.424	6.378	6.535	VV	856	30413	0.41%	0.144%
42	6.551	6.535	6.575	VV	348	6512	0.09%	0.031%
43	6.593	6.575	6.637	VV	532	11962	0.16%	0.057%
44	6.660	6.637	6.691	VV	341	8490	0.11%	0.040%
45	6.717	6.691	6.745	VV	439	10149	0.14%	0.048%
46	6.772	6.745	6.808	VV	654	19107	0.26%	0.091%
47	6.829	6.808	6.855	VV	867	15477	0.21%	0.073%
48	6.889	6.855	6.951	VV	961	30719	0.41%	0.146%
49	6.975	6.951	7.011	VV	2188	34151	0.46%	0.162%
50	7.057	7.011	7.131	VV	1274	48275	0.65%	0.229%
51	7.195	7.131	7.222	VV	2846	51968	0.70%	0.247%
52	7.250	7.222	7.271	VV	650	16442	0.22%	0.078%
53	7.283	7.271	7.341	VV	694	24699	0.33%	0.117%
54	7.365	7.341	7.431	VV	1027	32606	0.44%	0.155%
55	7.500	7.431	7.591	VV	74978	867969	11.65%	4.122%
56	7.617	7.591	7.635	VV	1341	25712	0.35%	0.122%
57	7.667	7.635	7.695	VV	1087	31994	0.43%	0.152%
58	7.715	7.695	7.733	VV	1122	19492	0.26%	0.093%
59	7.761	7.733	7.785	VV	2347	41602	0.56%	0.198%
60	7.816	7.785	7.845	VV	2701	47217	0.63%	0.224%
61	7.885	7.845	7.949	VV	3852	85934	1.15%	0.408%
62	7.972	7.949	7.998	VV	2011	37182	0.50%	0.177%
63	8.010	7.998	8.033	VV	1086	21144	0.28%	0.100%
64	8.064	8.033	8.098	VV	7150	103030	1.38%	0.489%
65	8.110	8.098	8.138	VV	1258	24168	0.32%	0.115%
66	8.159	8.138	8.189	VV	1448	35019	0.47%	0.166%
67	8.213	8.189	8.239	VV	2861	46699	0.63%	0.222%
68	8.255	8.239	8.283	VV	1111	25289	0.34%	0.120%
69	8.303	8.283	8.323	VV	1251	23933	0.32%	0.114%
70	8.358	8.323	8.495	VV	152611	1821223	24.44%	8.648%
71	8.510	8.495	8.536	VV	2963	57241	0.77%	0.272%
72	8.599	8.536	8.651	VV	4852	152313	2.04%	0.723%
73	8.670	8.651	8.691	VV	1610	31604	0.42%	0.150%
74	8.743	8.691	8.760	VV	1486	54370	0.73%	0.258%
75	8.819	8.760	8.835	VV	1976	72985	0.98%	0.347%
76	8.897	8.835	8.948	VV	2390	119048	1.60%	0.565%
77	8.966	8.948	8.991	VV	1818	35356	0.47%	0.168%
78	9.020	8.991	9.051	VV	1441	39637	0.53%	0.188%
79	9.180	9.051	9.218	VV	1681	111142	1.49%	0.528%
80	9.252	9.218	9.284	VV	2438	57382	0.77%	0.272%
81	9.335	9.284	9.363	VV	1791	59805	0.80%	0.284%
82	9.439	9.363	9.513	VV	2171	102191	1.37%	0.485%
83	9.578	9.513	9.595	VV	1368	45762	0.61%	0.217%
84	9.613	9.595	9.638	VV	1509	30864	0.41%	0.147%
85	9.659	9.638	9.705	VV	2421	54255	0.73%	0.258%
86	9.735	9.705	9.798	VV	1134	53465	0.72%	0.254%
87	9.827	9.798	9.852	VV	927	24922	0.33%	0.118%
88	9.876	9.852	9.911	VV	855	26831	0.36%	0.127%
89	9.936	9.911	9.961	VV	942	23513	0.32%	0.112%

90	10.046	9.961	10.075	VV	3711	95508	1.28%	0.454%
91	10.121	10.075	10.147	VV	1198	44846	0.60%	0.213%
92	10.171	10.147	10.211	VV	1411	38291	0.51%	0.182%
93	10.328	10.211	10.356	VV	1102	73459	0.99%	0.349%
94	10.395	10.356	10.431	VV	1246	46435	0.62%	0.220%
95	10.467	10.431	10.499	VV	5552	100292	1.35%	0.476%
96	10.516	10.499	10.551	VV	1267	30693	0.41%	0.146%
97	10.581	10.551	10.692	VV	928	65327	0.88%	0.310%
98	10.727	10.692	10.751	VV	867	27436	0.37%	0.130%
99	10.790	10.751	10.888	VV	1396	71127	0.95%	0.338%
100	10.900	10.888	10.978	VV	828	37292	0.50%	0.177%
101	11.029	10.978	11.069	VV	2046	56032	0.75%	0.266%
102	11.098	11.069	11.132	VV	2340	46916	0.63%	0.223%
103	11.187	11.132	11.233	VV	3281	78977	1.06%	0.375%
104	11.251	11.233	11.271	VV	712	14041	0.19%	0.067%
105	11.294	11.271	11.314	VV	711	15892	0.21%	0.075%
106	11.402	11.314	11.431	VV	3384	78823	1.06%	0.374%
107	11.480	11.431	11.511	VV	1124	42160	0.57%	0.200%
108	11.549	11.511	11.625	VV	1084	57229	0.77%	0.272%
109	11.742	11.625	11.828	VV	1699	119524	1.60%	0.568%
110	11.845	11.828	11.871	VV	1069	23805	0.32%	0.113%
111	11.888	11.871	11.932	VV	965	31003	0.42%	0.147%
112	11.964	11.932	12.015	VV	1174	46733	0.63%	0.222%
113	12.036	12.015	12.056	VV	1158	23410	0.31%	0.111%
114	12.079	12.056	12.114	VV	1451	35756	0.48%	0.170%
115	12.131	12.114	12.195	VV	1050	43146	0.58%	0.205%
116	12.211	12.195	12.294	VV	1063	52703	0.71%	0.250%
117	12.342	12.294	12.373	VV	1704	47154	0.63%	0.224%
118	12.403	12.373	12.445	VV	2328	47324	0.64%	0.225%
119	12.469	12.445	12.498	VV	1395	31078	0.42%	0.148%
120	12.519	12.498	12.630	VV	741	45938	0.62%	0.218%
121	12.682	12.630	12.704	VV	661	24127	0.32%	0.115%
122	12.759	12.704	12.785	VV	678	28038	0.38%	0.133%
123	12.849	12.785	12.998	VV	593138	7450893	100.00%	35.381%
124	13.015	12.998	13.055	VV	924	28341	0.38%	0.135%
125	13.069	13.055	13.110	VV	755	23090	0.31%	0.110%
126	13.133	13.110	13.185	VV	629	25825	0.35%	0.123%
127	13.235	13.185	13.258	VV	664	26995	0.36%	0.128%
128	13.276	13.258	13.326	VV	650	23353	0.31%	0.111%
129	13.357	13.326	13.421	VV	569	28537	0.38%	0.136%
130	13.449	13.421	13.488	VV	593	21357	0.29%	0.101%
131	13.547	13.488	13.572	VV	1096	32495	0.44%	0.154%
132	13.600	13.572	13.661	VV	1607	35878	0.48%	0.170%
133	13.689	13.661	13.741	VV	391	17376	0.23%	0.083%
134	13.747	13.741	13.783	VV	426	7602	0.10%	0.036%
135	13.834	13.783	13.868	VV	432	16682	0.22%	0.079%
136	13.892	13.868	13.951	VV	300	13584	0.18%	0.065%
137	14.034	13.951	14.145	VV	1557	49146	0.66%	0.233%
138	14.161	14.145	14.188	VV	464	7691	0.10%	0.037%
139	14.234	14.188	14.258	VV	327	9432	0.13%	0.045%
140	14.284	14.258	14.304	VV	321	6737	0.09%	0.032%
141	14.323	14.304	14.391	VV	289	11669	0.16%	0.055%

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142	14.401	14.391	14.444	VV	249	6360	0.09%	0.030%
143	14.485	14.444	14.591	VV	319	17504	0.23%	0.083%
144	14.656	14.591	14.681	VV	684	15278	0.21%	0.073%
145	14.701	14.681	14.821	VV	1072	26234	0.35%	0.125%
146	14.845	14.821	14.941	VV	130	9344	0.13%	0.044%
147	14.956	14.941	14.983	VV	185	3044	0.04%	0.014%
148	15.009	14.983	15.031	VV	111	2202	0.03%	0.010%
149	15.137	15.031	15.162	PV	170	8473	0.11%	0.040%
150	15.185	15.162	15.196	VV	193	3043	0.04%	0.014%
151	15.221	15.196	15.276	VV	408	10728	0.14%	0.051%
152	15.407	15.276	15.460	VV	188	11242	0.15%	0.053%
153	15.483	15.460	15.502	VV	146	2340	0.03%	0.011%
154	15.526	15.502	15.569	VV	199	6330	0.08%	0.030%
155	15.587	15.569	15.644	VV	187	4367	0.06%	0.021%
156	15.719	15.644	15.797	PV	1020	26741	0.36%	0.127%
157	15.818	15.797	15.836	PV	80	1069	0.01%	0.005%
158	15.906	15.836	15.928	VV	107	2731	0.04%	0.013%
159	15.952	15.928	15.967	PV	97	1280	0.02%	0.006%
160	16.033	15.967	16.052	VV	160	3936	0.05%	0.019%
161	16.064	16.052	16.096	VV	88	1225	0.02%	0.006%
162	16.201	16.096	16.235	VV	725	13323	0.18%	0.063%
163	16.264	16.235	16.303	VV	128	3343	0.04%	0.016%
164	16.576	16.303	16.590	PV	118	11638	0.16%	0.055%
165	16.666	16.590	16.690	VV	1536	28803	0.39%	0.137%
166	16.711	16.690	16.753	VV	1189	18953	0.25%	0.090%
167	16.783	16.753	16.810	VV	110	2904	0.04%	0.014%
168	16.885	16.810	16.917	VV	107	5560	0.07%	0.026%
169	17.117	16.917	17.203	PV	1878	41691	0.56%	0.198%
170	17.553	17.203	17.590	PV	2501	42700	0.57%	0.203%
171	17.975	17.590	18.018	PV	2666	31572	0.42%	0.150%
172	18.244	18.018	18.270	VV	130	-739	-0.01%	-0.004%
173	18.384	18.270	18.443	VV	2735	46160	0.62%	0.219%
174	18.638	18.443	18.670	PV	185	3212	0.04%	0.015%
175	18.781	18.670	18.818	PV	2172	35580	0.48%	0.169%
176	19.166	18.818	19.211	VV	2644	112639	1.51%	0.535%
177	19.485	19.211	19.514	VV	3586	292073	3.92%	1.387%
178	19.542	19.514	19.636	VV	4298	180268	2.42%	0.856%
179	19.907	19.636	19.943	VV	3551	344219	4.62%	1.635%
180	20.262	19.943	20.288	VV	5094	725647	9.74%	3.446%
181	20.617	20.288	20.662	VV	6073	1200636	16.11%	5.701%
182	20.828	20.662	20.857	VV	5106	614185	8.24%	2.916%
183	20.895	20.857	20.990	VV	4858	375646	5.04%	1.784%
184	21.017	20.990	21.103	VV	4641	294734	3.96%	1.400%
185	21.218	21.103	21.270	VV	3898	392518	5.27%	1.864%
186	21.392	21.270	21.420	VV	3545	322551	4.33%	1.532%
187	21.474	21.420	21.515	VV	3598	192255	2.58%	0.913%
188	21.563	21.515	21.583	VV	3090	123529	1.66%	0.587%
189	21.616	21.583	21.653	VV	3004	122359	1.64%	0.581%
190	21.770	21.653	21.961	VV	2578	424733	5.70%	2.017%
191	21.991	21.961	22.051	VV	1679	82535	1.11%	0.392%
192	22.349	22.051	22.383	VV	553	180960	2.43%	0.859%
193	22.413	22.383	22.457	VV	355	9715	0.13%	0.046%

Sum of corrected areas: 21059085

Aliphatic EPH 012425.M Fri Feb 07 23:07:07 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-5	SDG No.:	Q1308
Lab Sample ID:	Q1308-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
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
FD049055.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	U	0.35	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	1.54		0.40	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.52	J	1.12	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.34	U	2.34	3.12	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.7		40 - 140	75%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	27.0		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.8		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:	Q1308-04	Acq On:	07 Feb 2025 13:08
Client Sample ID:	EX-11-TPH-5	Operator:	YP/AJ
Data file:	FD049055.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	415283	2.675	200	ug/ml
Aromatic C12-C16	5.795	8.398	3194051	19.691	300	ug/ml
Aromatic C16-C21	8.399	12.662	3006287	19.44	500	ug/ml
Aromatic C21-C36	12.663	18.072	2790974	19.585	800	ug/ml
Aromatic EPH	4.076	18.072	9406595	61.391		ug/ml
2-Bromonaphthalene (SURR)	7.353	7.353	5366473	37.71		ug/ml
2-Flurobiphenyl (SURR)	8.204	8.204	2300366	27.04		ug/ml
ortho-Terphenyl (SURR)	11.238	11.238	6217115	37.8		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049055.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:08
Operator : YP/AJ
Sample : Q1308-04
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 23:57:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.353	5366473	37.706 ug/ml
Spiked Amount 50.000		Recovery =	75.41%
6) S 2-Flurobiphenyl (SURR)	8.204	2300366	27.035 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	54.07%
11) S ortho-Terphenyl (SURR)	11.238	6217115	37.805 ug/ml
Spiked Amount 50.000		Recovery =	75.61%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049055.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:08
Operator : YP/AJ
Sample : Q1308-04
Misc :
ALS Vial : 64 Sample Multiplier: 1

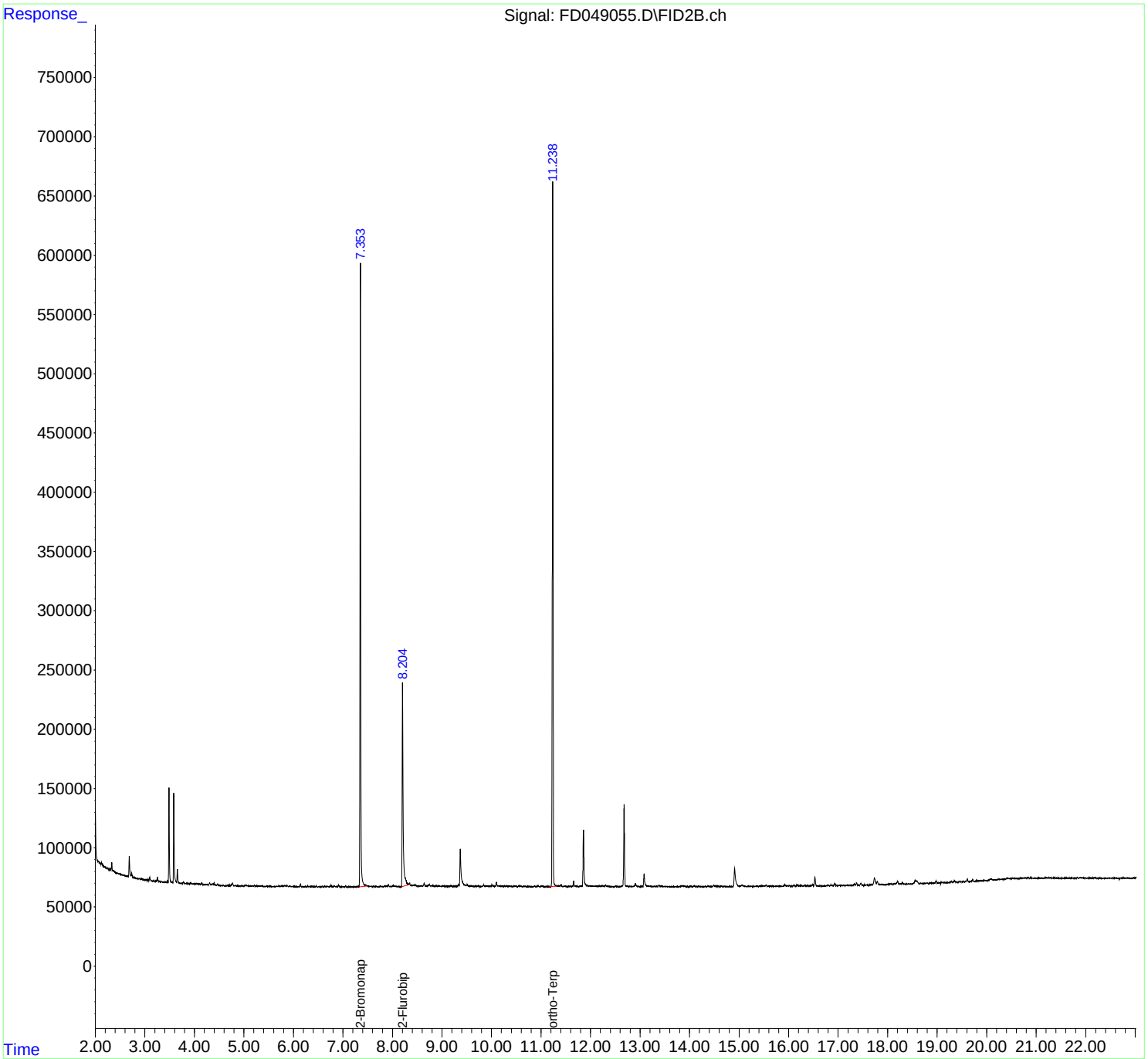
Integration File: autoint1.e
Quant Time: Feb 07 23:57:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

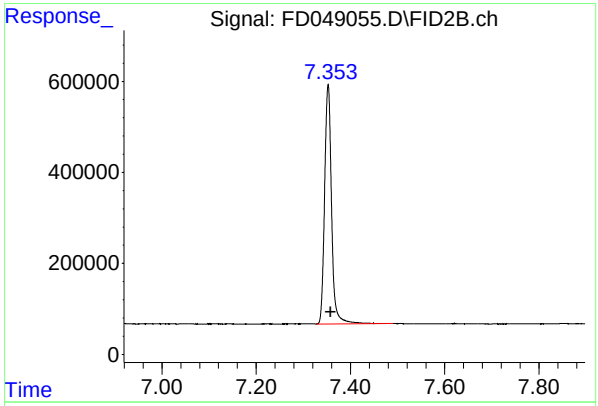
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





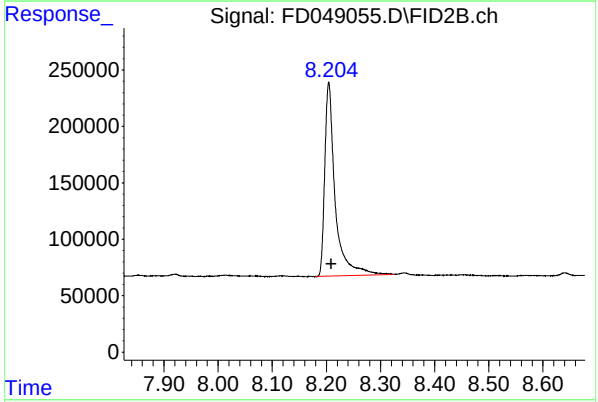
#4 2-Bromonaphthalene (SURR)

R.T.: 7.353 min
Delta R.T.: -0.005 min
Response: 5366473
Conc: 37.71 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

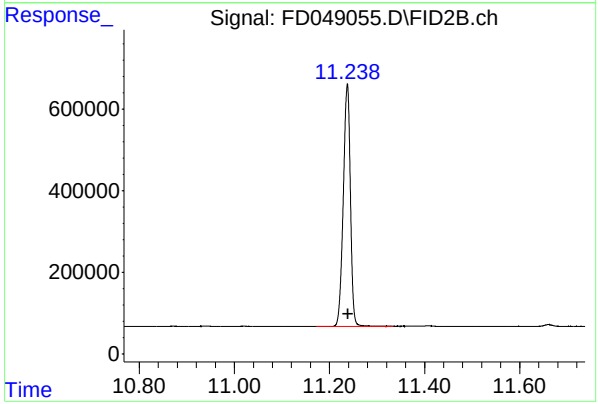
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.204 min
Delta R.T.: -0.005 min
Response: 2300366
Conc: 27.04 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.238 min
Delta R.T.: -0.001 min
Response: 6217115
Conc: 37.80 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD02072
Data File : FD049055.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:08
Sample : Q1308-04
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.075	4.042	4.085	BV	282	1743	0.03%	0.008%
2	4.100	4.085	4.127	PV	321	4261	0.07%	0.020%
3	4.149	4.127	4.170	PV	1351	15937	0.25%	0.075%
4	4.176	4.170	4.200	VV	249	2554	0.04%	0.012%
5	4.215	4.200	4.237	PV	229	2648	0.04%	0.013%
6	4.254	4.237	4.281	VV	320	4212	0.07%	0.020%
7	4.309	4.281	4.349	VV	2047	31825	0.51%	0.150%
8	4.365	4.349	4.381	VV	1215	14467	0.23%	0.068%
9	4.394	4.381	4.425	VV	1935	24260	0.39%	0.115%
10	4.430	4.425	4.447	VV	309	3078	0.05%	0.015%
11	4.470	4.447	4.491	VV	1066	14145	0.23%	0.067%
12	4.504	4.491	4.533	VV	505	7758	0.12%	0.037%
13	4.538	4.533	4.553	PV	190	1592	0.03%	0.008%
14	4.560	4.553	4.567	VV	383	1864	0.03%	0.009%
15	4.578	4.567	4.601	VV	619	7353	0.12%	0.035%
16	4.610	4.601	4.617	PV	194	1125	0.02%	0.005%
17	4.625	4.617	4.640	VV	264	2904	0.05%	0.014%
18	4.645	4.640	4.652	VV	231	1298	0.02%	0.006%
19	4.662	4.652	4.678	VV	344	4639	0.07%	0.022%
20	4.692	4.678	4.705	VV	675	7102	0.11%	0.034%
21	4.709	4.705	4.719	VV	548	2683	0.04%	0.013%
22	4.726	4.719	4.731	VV	337	2181	0.03%	0.010%
23	4.749	4.731	4.753	VV	1017	8776	0.14%	0.042%
24	4.768	4.753	4.807	VV	2639	37735	0.60%	0.178%
25	4.824	4.807	4.850	VV	848	12290	0.20%	0.058%
26	4.859	4.850	4.864	VV	509	2121	0.03%	0.010%
27	4.869	4.864	4.921	VV	482	9131	0.15%	0.043%
28	4.927	4.921	4.932	VV	355	1621	0.03%	0.008%
29	4.958	4.932	4.964	VV	598	6759	0.11%	0.032%
30	4.969	4.964	4.982	VV	373	2891	0.05%	0.014%
31	4.987	4.982	4.994	VV	340	1742	0.03%	0.008%
32	5.023	4.994	5.067	VV	992	26456	0.42%	0.125%
33	5.074	5.067	5.102	VV	550	8431	0.13%	0.040%
34	5.106	5.102	5.111	VV	329	1559	0.02%	0.007%
35	5.113	5.111	5.120	VV	289	1223	0.02%	0.006%
36	5.131	5.120	5.137	VV	336	2685	0.04%	0.013%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

					rteres			
37	5.142	5.137	5.154	VV	325	2784	0.04%	0.013%
38	5.171	5.154	5.195	VV	607	8774		
39	5.208	5.195	5.232	VV	1104	13276		
40	5.238	5.232	5.252	VV	360	2729		
41	5.265	5.252	5.279	VV	662	6464		
42	5.293	5.279	5.298	VV	492	4329		
43	5.335	5.298	5.374	VV	700	20854	0.33%	0.099%
44	5.379	5.374	5.407	VV	321	3840	0.06%	0.018%
45	5.420	5.415	5.432	VV	268	1450	0.02%	0.007%
46	5.442	5.432	5.455	VV	398	4445	0.07%	0.021%
47	5.463	5.455	5.482	VV	428	5034	0.08%	0.024%
48	5.495	5.482	5.503	VV	553	4931	0.08%	0.023%
49	5.513	5.503	5.531	VV	490	6118	0.10%	0.029%
50	5.537	5.531	5.570	VV	385	4931	0.08%	0.023%
51	5.582	5.570	5.592	PV	203	1754	0.03%	0.008%
52	5.597	5.592	5.615	VV	227	2594	0.04%	0.012%
53	5.619	5.615	5.638	VV	236	2306	0.04%	0.011%
54	5.652	5.638	5.660	VV	438	3541	0.06%	0.017%
55	5.668	5.660	5.684	VV	483	4934	0.08%	0.023%
56	5.687	5.684	5.692	VV	372	1825	0.03%	0.009%
57	5.709	5.692	5.717	VV	638	6752	0.11%	0.032%
58	5.722	5.717	5.740	VV	471	5789	0.09%	0.027%
59	5.777	5.740	5.786	VV	700	14523	0.23%	0.069%
60	5.802	5.786	5.810	VV	912	10468	0.17%	0.050%
61	5.826	5.810	5.849	VV	1173	19616	0.31%	0.093%
62	5.871	5.849	5.910	VV	1219	23111	0.37%	0.109%
63	5.920	5.910	5.930	VV	528	5924	0.09%	0.028%
64	5.938	5.930	5.962	VV	638	8273	0.13%	0.039%
65	5.973	5.962	5.992	VV	453	5315	0.08%	0.025%
66	6.004	6.000	6.012	VV	470	2022	0.03%	0.010%
67	6.020	6.012	6.058	VV	480	10450	0.17%	0.049%
68	6.068	6.058	6.079	VV	262	2523	0.04%	0.012%
69	6.098	6.090	6.105	VV	232	1267	0.02%	0.006%
70	6.110	6.105	6.123	VV	410	2420	0.04%	0.011%
71	6.142	6.123	6.179	VV	2188	29033	0.46%	0.137%
72	6.191	6.179	6.199	VV	282	2170	0.03%	0.010%
73	6.221	6.199	6.241	VV	478	6186	0.10%	0.029%
74	6.254	6.241	6.268	VV	467	4689	0.07%	0.022%
75	6.272	6.268	6.275	VV	413	1277	0.02%	0.006%
76	6.288	6.275	6.309	VV	894	10761	0.17%	0.051%
77	6.322	6.309	6.344	VV	433	6038	0.10%	0.029%
78	6.359	6.344	6.381	VV	635	9247	0.15%	0.044%
79	6.385	6.381	6.389	VV	364	1666	0.03%	0.008%
80	6.393	6.389	6.431	VV	440	6779	0.11%	0.032%
81	6.462	6.431	6.484	VV	795	11540	0.18%	0.055%
82	6.514	6.484	6.530	PV	392	5217	0.08%	0.025%
83	6.537	6.530	6.557	VV	295	3619	0.06%	0.017%
84	6.573	6.557	6.602	VV	471	6953	0.11%	0.033%
85	6.632	6.602	6.644	VV	722	10081	0.16%	0.048%
86	6.651	6.644	6.668	VV	509	6618	0.11%	0.031%
87	6.679	6.668	6.688	VV	571	6349	0.10%	0.030%
88	6.694	6.688	6.720	VV	652	8322	0.13%	0.039%
89	6.724	6.720	6.730	VV	252	1341	0.02%	0.006%

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rteres

90	6.756	6.730	6.772	VV	1520	21021	0.34%	0.099%
91	6.777	6.772	6.787	VV	735	4255		
92	6.802	6.787	6.807	VV	702	6327		
93	6.810	6.807	6.818	VV	684	3246		
94	6.831	6.818	6.855	VV	805	12706		
95	6.863	6.855	6.879	VV	549	5757		
96	6.912	6.879	6.948	VV	1856	31411	0.50%	0.149%
97	6.960	6.948	6.964	VV	386	3048	0.05%	0.014%
98	6.973	6.964	6.987	VV	482	5311	0.08%	0.025%
99	6.991	6.987	6.997	VV	423	2259	0.04%	0.011%
100	7.003	6.997	7.014	VV	445	3722	0.06%	0.018%
101	7.024	7.014	7.033	VV	471	4065	0.06%	0.019%
102	7.054	7.033	7.087	VV	870	12748	0.20%	0.060%
103	7.097	7.087	7.101	VV	317	1577	0.03%	0.007%
104	7.110	7.101	7.134	VV	558	6436	0.10%	0.030%
105	7.143	7.134	7.167	VV	595	6153	0.10%	0.029%
106	7.178	7.167	7.199	PV	207	2950	0.05%	0.014%
107	7.225	7.199	7.237	VV	451	6308	0.10%	0.030%
108	7.280	7.237	7.293	VV	494	10161	0.16%	0.048%
109	7.315	7.293	7.327	VV	878	11777	0.19%	0.056%
110	7.353	7.327	7.447	VV	527930	5397661	86.11%	25.525%
111	7.449	7.447	7.475	VV	1592	23540	0.38%	0.111%
112	7.481	7.475	7.502	VV	1383	18924	0.30%	0.089%
113	7.506	7.502	7.525	VV	1146	12925	0.21%	0.061%
114	7.530	7.525	7.542	VV	800	6875	0.11%	0.033%
115	7.546	7.542	7.556	VV	675	5147	0.08%	0.024%
116	7.575	7.556	7.603	VV	728	15533	0.25%	0.073%
117	7.623	7.603	7.645	VV	1015	17256	0.28%	0.082%
118	7.649	7.645	7.660	VV	628	4731	0.08%	0.022%
119	7.674	7.660	7.697	VV	838	11303	0.18%	0.053%
120	7.706	7.697	7.727	VV	472	5254	0.08%	0.025%
121	7.746	7.727	7.754	VV	760	8689	0.14%	0.041%
122	7.757	7.754	7.764	VV	593	3597	0.06%	0.017%
123	7.771	7.764	7.808	VV	713	14149	0.23%	0.067%
124	7.827	7.808	7.835	VV	775	8673	0.14%	0.041%
125	7.853	7.835	7.870	VV	1363	20832	0.33%	0.099%
126	7.890	7.870	7.896	VV	953	13178	0.21%	0.062%
127	7.920	7.896	7.939	VV	2395	33380	0.53%	0.158%
128	7.943	7.939	7.975	VV	636	10412	0.17%	0.049%
129	7.982	7.975	7.991	VV	560	4705	0.08%	0.022%
130	8.014	7.991	8.043	VV	1542	31383	0.50%	0.148%
131	8.050	8.043	8.055	VV	732	5134	0.08%	0.024%
132	8.059	8.055	8.095	VV	778	12886	0.21%	0.061%
133	8.121	8.095	8.141	VV	887	14983	0.24%	0.071%
134	8.147	8.141	8.164	VV	530	4495	0.07%	0.021%
135	8.171	8.164	8.176	VV	398	2086	0.03%	0.010%
136	8.205	8.176	8.328	VV	172496	2410912	38.46%	11.401%
137	8.344	8.328	8.366	VV	3523	57403	0.92%	0.271%
138	8.371	8.366	8.393	VV	1718	25153	0.40%	0.119%
139	8.423	8.393	8.440	VV	1639	39581	0.63%	0.187%
140	8.450	8.440	8.496	VV	1853	46609	0.74%	0.220%
141	8.517	8.496	8.548	VV	1187	27736	0.44%	0.131%

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rteres

142	8.567	8.548	8.584	VV	1212	22320	0.36%	0.106%
143	8.587	8.584	8.604	VV	1189	11865		
144	8.607	8.604	8.614	VV	954	5572		
145	8.640	8.614	8.705	VV	3547	85444		
146	8.745	8.705	8.775	VV	2163	61098		
147	8.787	8.775	8.795	VV	1245	13259		
148	8.806	8.795	8.814	VV	1334	13014	0.21%	0.062%
149	8.822	8.814	8.860	VV	1168	20983	0.33%	0.099%
150	8.882	8.860	8.908	VV	1222	27023	0.43%	0.128%
151	8.935	8.908	8.941	VV	1150	17725	0.28%	0.084%
152	8.945	8.941	8.987	VV	1123	23138	0.37%	0.109%
153	9.018	8.987	9.023	VV	1095	17471	0.28%	0.083%
154	9.027	9.023	9.059	VV	1072	18213	0.29%	0.086%
155	9.061	9.059	9.082	VV	787	8706	0.14%	0.041%
156	9.100	9.082	9.114	VV	936	12620	0.20%	0.060%
157	9.130	9.114	9.155	VV	955	16315	0.26%	0.077%
158	9.175	9.155	9.195	VV	1159	20948	0.33%	0.099%
159	9.202	9.195	9.220	VV	995	12243	0.20%	0.058%
160	9.233	9.220	9.274	VV	850	20831	0.33%	0.099%
161	9.287	9.274	9.308	VV	988	16866	0.27%	0.080%
162	9.337	9.308	9.352	VV	2344	36631	0.58%	0.173%
163	9.371	9.352	9.494	VV	32215	607023	9.68%	2.871%
164	9.507	9.494	9.597	VV	1935	66708	1.06%	0.315%
165	9.601	9.597	9.625	VV	849	12414	0.20%	0.059%
166	9.629	9.625	9.655	VV	809	10962	0.17%	0.052%
167	9.681	9.655	9.698	VV	832	15977	0.25%	0.076%
168	9.729	9.698	9.745	VV	1143	20640	0.33%	0.098%
169	9.750	9.745	9.780	VV	916	12877	0.21%	0.061%
170	9.786	9.780	9.796	VV	593	4716	0.08%	0.022%
171	9.824	9.796	9.828	VV	784	12201	0.19%	0.058%
172	9.845	9.828	9.870	VV	1863	30373	0.48%	0.144%
173	9.884	9.870	9.886	VV	855	7967	0.13%	0.038%
174	9.893	9.886	9.916	VV	1051	14027	0.22%	0.066%
175	9.926	9.916	9.940	VV	841	10959	0.17%	0.052%
176	9.948	9.940	9.954	VV	1002	6837	0.11%	0.032%
177	9.971	9.954	9.991	VV	829	16870	0.27%	0.080%
178	10.009	9.991	10.037	VV	2195	34608	0.55%	0.164%
179	10.040	10.037	10.078	VV	1065	18365	0.29%	0.087%
180	10.100	10.078	10.125	VV	4064	58059	0.93%	0.275%
181	10.129	10.125	10.160	VV	1173	18677	0.30%	0.088%
182	10.177	10.160	10.209	VV	1028	23211	0.37%	0.110%
183	10.215	10.209	10.250	VV	927	19149	0.31%	0.091%
184	10.257	10.250	10.277	VV	859	11496	0.18%	0.054%
185	10.313	10.277	10.340	VV	1190	29296	0.47%	0.139%
186	10.345	10.340	10.354	VV	855	5516	0.09%	0.026%
187	10.365	10.354	10.397	VV	892	17742	0.28%	0.084%
188	10.402	10.397	10.430	VV	622	9172	0.15%	0.043%
189	10.465	10.430	10.489	VV	1059	23125	0.37%	0.109%
190	10.492	10.489	10.517	VV	650	8998	0.14%	0.043%
191	10.522	10.517	10.536	VV	531	4933	0.08%	0.023%
192	10.553	10.536	10.568	VV	968	14743	0.24%	0.070%
193	10.577	10.568	10.611	VV	836	16630	0.27%	0.079%
194	10.627	10.611	10.640	VV	586	8424	0.13%	0.040%

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195	10.665	10.640	10.674	VV	764	12309	0.20%	0.058%
196	10.687	10.674	10.699	VV	637	7529		
197	10.702	10.699	10.706	VV	553	2022		
198	10.709	10.706	10.712	VV	483	1764		
199	10.725	10.712	10.730	VV	609	5241		
200	10.734	10.730	10.749	VV	524	4660		
201	10.767	10.749	10.782	VV	470	6408	0.10%	0.030%
202	10.787	10.782	10.804	VV	408	3519	0.06%	0.017%
203	10.840	10.804	10.848	VV	432	7811	0.12%	0.037%
204	10.872	10.848	10.909	VV	880	18442	0.29%	0.087%
205	10.941	10.909	10.965	VV	1256	23349	0.37%	0.110%
206	10.971	10.965	10.973	VV	511	2307	0.04%	0.011%
207	10.977	10.973	10.988	VV	505	3865	0.06%	0.018%
208	11.021	10.988	11.048	VV	901	21220	0.34%	0.100%
209	11.058	11.048	11.065	VV	416	3712	0.06%	0.018%
210	11.070	11.065	11.074	VV	336	1668	0.03%	0.008%
211	11.077	11.074	11.083	VV	304	1418	0.02%	0.007%
212	11.097	11.083	11.110	VV	490	6074	0.10%	0.029%
213	11.116	11.110	11.125	VV	400	2968	0.05%	0.014%
214	11.136	11.125	11.162	VV	511	8532	0.14%	0.040%
215	11.166	11.162	11.172	VV	374	1962	0.03%	0.009%
216	11.173	11.172	11.190	VV	433	2583	0.04%	0.012%
217	11.238	11.190	11.340	VV	598196	6268596	100.00%	29.644%
218	11.372	11.340	11.384	VV	1142	25082	0.40%	0.119%
219	11.408	11.384	11.441	VV	2060	36695	0.59%	0.174%
220	11.478	11.441	11.490	VV	675	14966	0.24%	0.071%
221	11.503	11.490	11.550	VV	611	15842	0.25%	0.075%
222	11.566	11.550	11.582	VV	656	8901	0.14%	0.042%
223	11.595	11.582	11.619	VV	689	11596	0.18%	0.055%
224	11.622	11.619	11.626	VV	365	1491	0.02%	0.007%
225	11.660	11.626	11.684	VV	5046	69356	1.11%	0.328%
226	11.695	11.684	11.710	VV	712	9812	0.16%	0.046%
227	11.718	11.710	11.725	VV	696	6060	0.10%	0.029%
228	11.730	11.725	11.745	VV	763	6483	0.10%	0.031%
229	11.756	11.745	11.770	VV	523	6550	0.10%	0.031%
230	11.787	11.770	11.795	VV	635	7799	0.12%	0.037%
231	11.813	11.795	11.827	VV	1057	15399	0.25%	0.073%
232	11.858	11.827	11.925	VV	48324	606010	9.67%	2.866%
233	11.932	11.925	11.958	VV	1366	21182	0.34%	0.100%
234	11.962	11.958	11.982	VV	904	11422	0.18%	0.054%
235	11.988	11.982	11.991	VV	908	4458	0.07%	0.021%
236	11.993	11.991	12.034	VV	951	18139	0.29%	0.086%
237	12.064	12.034	12.078	VV	789	16086	0.26%	0.076%
238	12.082	12.078	12.088	VV	597	3256	0.05%	0.015%
239	12.105	12.088	12.135	VV	1056	19885	0.32%	0.094%
240	12.139	12.135	12.148	VV	626	4496	0.07%	0.021%
241	12.152	12.148	12.164	VV	612	4909	0.08%	0.023%
242	12.179	12.164	12.206	VV	938	17733	0.28%	0.084%
243	12.240	12.206	12.267	VV	1279	29733	0.47%	0.141%
244	12.303	12.267	12.324	VV	1611	31082	0.50%	0.147%
245	12.337	12.324	12.342	VV	476	4430	0.07%	0.021%
246	12.347	12.342	12.355	VV	600	3553	0.06%	0.017%

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247	12.364	12.355	12.370	VV	560	4529	0.07%	0.021%
248	12.373	12.370	12.417	VV	583	9328		
249	12.424	12.417	12.450	VV	395	5360		
250	12.455	12.450	12.476	VV	295	3940		
251	12.509	12.483	12.540	VV	625	15066		
252	12.558	12.540	12.570	VV	486	5516		
253	12.588	12.570	12.595	VV	417	3960	0.06%	0.019%
254	12.599	12.595	12.602	VV	393	1304	0.02%	0.006%
255	12.610	12.602	12.628	VV	586	6609	0.11%	0.031%
256	12.678	12.628	12.714	VV	69468	842394	13.44%	3.984%
257	12.727	12.714	12.750	VV	865	13984	0.22%	0.066%
258	12.753	12.750	12.786	VV	582	9137	0.15%	0.043%
259	12.801	12.786	12.827	VV	522	9945	0.16%	0.047%
260	12.848	12.827	12.854	VV	520	6019	0.10%	0.028%
261	12.859	12.854	12.864	VV	506	2538	0.04%	0.012%
262	12.905	12.864	12.965	VV	2959	62090	0.99%	0.294%
263	13.002	12.965	13.021	VV	555	12325	0.20%	0.058%
264	13.027	13.021	13.033	VV	531	2587	0.04%	0.012%
265	13.082	13.033	13.180	VV	10810	195443	3.12%	0.924%
266	13.186	13.180	13.207	VV	611	6918	0.11%	0.033%
267	13.228	13.207	13.241	VV	545	8631	0.14%	0.041%
268	13.254	13.241	13.269	VV	571	7729	0.12%	0.037%
269	13.275	13.269	13.282	VV	434	3246	0.05%	0.015%
270	13.291	13.282	13.302	VV	477	5255	0.08%	0.025%
271	13.307	13.302	13.322	VV	576	4861	0.08%	0.023%
272	13.329	13.322	13.336	VV	443	2966	0.05%	0.014%
273	13.342	13.336	13.347	VV	443	2383	0.04%	0.011%
274	13.384	13.347	13.409	VV	1373	27200	0.43%	0.129%
275	13.435	13.409	13.464	VV	1067	18555	0.30%	0.088%
276	13.470	13.464	13.486	VV	490	4661	0.07%	0.022%
277	13.492	13.486	13.504	VV	386	3395	0.05%	0.016%
278	13.510	13.504	13.542	VV	444	7809	0.12%	0.037%
279	13.546	13.542	13.566	VV	446	4518	0.07%	0.021%
280	13.570	13.566	13.576	VV	394	1602	0.03%	0.008%
281	13.582	13.576	13.612	VV	296	4086	0.07%	0.019%
282	13.618	13.612	13.625	VV	205	1380	0.02%	0.007%
283	13.637	13.625	13.644	VV	377	2620	0.04%	0.012%
284	13.647	13.644	13.659	VV	341	1903	0.03%	0.009%
285	13.674	13.667	13.679	VV	273	1400	0.02%	0.007%
286	13.685	13.679	13.692	VV	197	1271	0.02%	0.006%
287	13.700	13.692	13.706	VV	447	2363	0.04%	0.011%
288	13.711	13.706	13.720	VV	230	1637	0.03%	0.008%
289	13.725	13.720	13.731	VV	180	1053	0.02%	0.005%
290	13.735	13.731	13.745	VV	232	1408	0.02%	0.007%
291	13.767	13.745	13.773	VV	288	3431	0.05%	0.016%
292	13.785	13.773	13.808	VV	322	4591	0.07%	0.022%
293	13.837	13.808	13.852	VV	971	17376	0.28%	0.082%
294	13.871	13.852	13.892	VV	1029	18166	0.29%	0.086%
295	13.904	13.892	13.921	VV	702	9126	0.15%	0.043%
296	13.933	13.921	13.947	VV	466	5189	0.08%	0.025%
297	13.952	13.947	13.958	VV	317	1582	0.03%	0.007%
298	13.965	13.958	13.984	VV	450	3811	0.06%	0.018%
299	13.992	13.984	14.000	VV	386	2761	0.04%	0.013%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	14.026	14.000	14.038	VV	522	7821	0.12%	0.037%
301	14.047	14.038	14.062	VV	321	3029		
302	14.091	14.062	14.130	VV	742	18212		
303	14.140	14.130	14.160	VV	486	6014		
304	14.162	14.160	14.166	VV	422	1066		
305	14.177	14.166	14.220	VV	461	10402		
306	14.244	14.220	14.262	PV	423	6388	0.10%	0.030%
307	14.268	14.262	14.282	VV	347	3326	0.05%	0.016%
308	14.293	14.282	14.302	VV	359	3633	0.06%	0.017%
309	14.308	14.302	14.315	VV	330	2194	0.04%	0.010%
310	14.327	14.315	14.332	VV	300	2608	0.04%	0.012%
311	14.335	14.332	14.346	VV	265	1737	0.03%	0.008%
312	14.378	14.346	14.403	VV	469	10810	0.17%	0.051%
313	14.409	14.403	14.414	VV	385	1586	0.03%	0.007%
314	14.422	14.414	14.442	VV	406	4673	0.07%	0.022%
315	14.447	14.442	14.459	VV	143	1169	0.02%	0.006%
316	14.490	14.459	14.511	VV	1259	22065	0.35%	0.104%
317	14.528	14.511	14.551	VV	770	11728	0.19%	0.055%
318	14.574	14.551	14.626	VV	1025	18840	0.30%	0.089%
319	14.638	14.626	14.654	VV	593	5362	0.09%	0.025%
320	14.658	14.654	14.685	VV	355	4197	0.07%	0.020%
321	14.723	14.685	14.763	VV	388	9775	0.16%	0.046%
322	14.769	14.763	14.783	VV	265	1686	0.03%	0.008%
323	14.792	14.783	14.815	VV	347	3413	0.05%	0.016%
324	14.824	14.815	14.834	VV	334	1945	0.03%	0.009%
325	14.854	14.834	14.860	VV	192	1729	0.03%	0.008%
326	14.865	14.860	14.877	VV	189	1258	0.02%	0.006%
327	14.908	14.877	15.026	VV	15423	334353	5.33%	1.581%
328	15.061	15.026	15.091	VV	1451	31424	0.50%	0.149%
329	15.095	15.091	15.102	VV	365	2056	0.03%	0.010%
330	15.105	15.102	15.117	VV	384	2418	0.04%	0.011%
331	15.132	15.117	15.142	VV	332	3136	0.05%	0.015%
332	15.147	15.142	15.157	PV	201	1073	0.02%	0.005%
333	15.180	15.157	15.190	VV	341	3911	0.06%	0.018%
334	15.193	15.190	15.217	VV	290	2989	0.05%	0.014%
335	15.222	15.217	15.226	VV	209	1021	0.02%	0.005%
336	15.233	15.226	15.237	VV	231	1397	0.02%	0.007%
337	15.240	15.237	15.244	VV	303	1092	0.02%	0.005%
338	15.249	15.244	15.279	VV	316	3468	0.06%	0.016%
339	15.301	15.293	15.309	VV	237	1162	0.02%	0.005%
340	15.315	15.309	15.320	VV	161	1022	0.02%	0.005%
341	15.328	15.320	15.334	VV	220	1368	0.02%	0.006%
342	15.340	15.334	15.361	VV	272	3797	0.06%	0.018%
343	15.371	15.361	15.403	VV	324	3797	0.06%	0.018%
344	15.432	15.403	15.438	VV	682	8926	0.14%	0.042%
345	15.440	15.438	15.445	VV	589	2420	0.04%	0.011%
346	15.450	15.445	15.484	VV	632	9115	0.15%	0.043%
347	15.505	15.484	15.515	VV	565	8405	0.13%	0.040%
348	15.519	15.515	15.526	VV	490	2860	0.05%	0.014%
349	15.546	15.526	15.575	VV	855	16166	0.26%	0.076%
350	15.604	15.575	15.619	VV	564	10142	0.16%	0.048%
351	15.622	15.619	15.626	VV	391	1209	0.02%	0.006%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

352	15.629	15.626	15.655	VV	289	2411	0.04%	0.011%
353	15.684	15.668	15.696	VV	346	2834	0	
354	15.701	15.696	15.727	VV	261	2712	0	
355	15.740	15.727	15.749	VV	257	2644	0	
356	15.760	15.749	15.769	VV	325	2833	0	
357	15.772	15.769	15.791	VV	330	2876	0	
358	15.814	15.804	15.845	VV	312	3805	0.06%	0.018%
359	15.847	15.845	15.864	VV	219	1207	0.02%	0.006%
360	15.924	15.888	15.972	VV	1499	37001	0.59%	0.175%
361	15.983	15.972	16.005	VV	586	8919	0.14%	0.042%
362	16.020	16.005	16.051	VV	745	11879	0.19%	0.056%
363	16.056	16.051	16.066	VV	358	1887	0.03%	0.009%
364	16.072	16.066	16.086	VV	359	2800	0.04%	0.013%
365	16.108	16.086	16.136	VV	863	14048	0.22%	0.066%
366	16.179	16.136	16.203	VV	1070	24007	0.38%	0.114%
367	16.222	16.203	16.234	VV	653	9589	0.15%	0.045%
368	16.239	16.234	16.292	VV	719	16567	0.26%	0.078%
369	16.308	16.292	16.313	VV	363	4067	0.06%	0.019%
370	16.350	16.313	16.364	VV	547	11099	0.18%	0.052%
371	16.379	16.364	16.384	VV	562	4802	0.08%	0.023%
372	16.402	16.384	16.417	VV	585	8844	0.14%	0.042%
373	16.423	16.417	16.435	VV	385	2957	0.05%	0.014%
374	16.444	16.435	16.452	VV	568	4336	0.07%	0.021%
375	16.456	16.452	16.467	VV	538	4162	0.07%	0.020%
376	16.488	16.467	16.505	VV	1445	21123	0.34%	0.100%
377	16.531	16.505	16.562	VV	7566	104115	1.66%	0.492%
378	16.567	16.562	16.597	VV	503	7207	0.11%	0.034%
379	16.614	16.597	16.618	VV	387	3195	0.05%	0.015%
380	16.623	16.618	16.640	VV	463	4686	0.07%	0.022%
381	16.643	16.640	16.651	VV	331	1859	0.03%	0.009%
382	16.658	16.651	16.676	VV	274	2745	0.04%	0.013%
383	16.697	16.676	16.719	VV	403	5679	0.09%	0.027%
384	16.722	16.719	16.747	VV	230	3136	0.05%	0.015%
385	16.773	16.747	16.778	PV	479	4447	0.07%	0.021%
386	16.784	16.778	16.829	VV	677	13622	0.22%	0.064%
387	16.858	16.829	16.867	VV	684	10370	0.17%	0.049%
388	16.871	16.867	16.891	VV	672	6515	0.10%	0.031%
389	16.898	16.891	16.903	VV	390	1992	0.03%	0.009%
390	16.937	16.903	16.970	VV	1969	33746	0.54%	0.160%
391	16.973	16.970	16.983	VV	271	1681	0.03%	0.008%
392	16.987	16.983	16.993	VV	184	1050	0.02%	0.005%
393	17.014	16.993	17.023	VV	328	3632	0.06%	0.017%
394	17.027	17.023	17.031	VV	296	1219	0.02%	0.006%
395	17.037	17.031	17.042	VV	277	1698	0.03%	0.008%
396	17.053	17.042	17.082	VV	442	7044	0.11%	0.033%
397	17.087	17.082	17.094	VV	284	1642	0.03%	0.008%
398	17.100	17.094	17.118	VV	363	3172	0.05%	0.015%
399	17.123	17.118	17.150	VV	215	2393	0.04%	0.011%
400	17.156	17.150	17.179	PV	337	3878	0.06%	0.018%
401	17.184	17.179	17.194	VV	211	1884	0.03%	0.009%
402	17.214	17.194	17.230	VV	357	3831	0.06%	0.018%
403	17.235	17.230	17.253	VV	345	3128	0.05%	0.015%
404	17.265	17.253	17.274	VV	176	2055	0.03%	0.010%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

405	17.278	17.274	17.290	VV	225	1214	0.02%	0.006%
406	17.326	17.290	17.350	VV	1009	20685		
407	17.370	17.350	17.396	VV	2285	33047		
408	17.416	17.396	17.434	VV	398	5657		
409	17.461	17.434	17.510	VV	1711	30384		
410	17.526	17.510	17.539	VV	413	3408		
411	17.577	17.548	17.602	PV	333	6272	0.10%	0.030%
412	17.612	17.602	17.623	VV	216	1797	0.03%	0.008%
413	17.637	17.623	17.642	VV	329	1853	0.03%	0.009%
414	17.647	17.642	17.651	VV	327	1353	0.02%	0.006%
415	17.662	17.651	17.681	VV	565	5940	0.09%	0.028%
416	17.733	17.681	17.772	VV	6179	143247	2.29%	0.677%
417	17.791	17.772	17.827	VV	3197	56119	0.90%	0.265%
418	17.830	17.827	17.854	VV	553	6689	0.11%	0.032%
419	17.860	17.854	17.867	VV	465	2920	0.05%	0.014%
420	17.872	17.867	17.880	VV	395	2784	0.04%	0.013%
421	17.888	17.880	17.912	VV	446	6022	0.10%	0.028%
422	17.917	17.912	17.950	VV	433	3877	0.06%	0.018%
423	17.954	17.950	17.968	PV	280	1801	0.03%	0.009%
424	18.004	17.968	18.010	VV	487	8158	0.13%	0.039%
425	18.033	18.010	18.038	VV	489	6947	0.11%	0.033%
426	18.047	18.038	18.089	VV	628	13032	0.21%	0.062%
427	18.090	18.089	18.094	VV	464	1208	0.02%	0.006%
428	18.100	18.094	18.107	VV	450	2827	0.05%	0.013%
429	18.114	18.107	18.127	VV	366	3499	0.06%	0.017%
430	18.199	18.127	18.231	VV	2602	58449	0.93%	0.276%
431	18.249	18.231	18.270	VV	383	5574	0.09%	0.026%

Sum of corrected areas: 21146154

Aromatic EPH 012425.M Sat Feb 08 00:44:05 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-6	SDG No.:	Q1308
Lab Sample ID:	Q1308-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 16:09	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.51	J	1	0.46	1.20	mg/kg	FC068236.D
Aliphatic C12-C16	Aliphatic C12-C16	1.00		1	0.29	0.80	mg/kg	FC068236.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	J	1	0.36	1.20	mg/kg	FC068236.D
Aliphatic C21-C28	Aliphatic C21-C28	0.96	U	1	0.96	1.60	mg/kg	FC068236.D
Aliphatic C28-C40	Aliphatic C28-C40	3.90		1	2.16	2.40	mg/kg	FC068236.D
Aromatic C10-C12	Aromatic C10-C12	0.36	U	1	0.36	0.80	mg/kg	FD049059.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.41	1.20	mg/kg	FD049059.D
Aromatic C16-C21	Aromatic C16-C21	1.17	J	1	1.15	2.00	mg/kg	FD049059.D
Aromatic C21-C36	Aromatic C21-C36	2.40	U	1	2.40	3.20	mg/kg	FD049059.D
Total AliphaticEPH	Total AliphaticEPH	5.77	J		4.22	7.20	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.32	U		4.32	7.20	mg/kg	
Total EPH	Total EPH	8.54	U		8.54	14.4	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-6	SDG No.:	Q1308
Lab Sample ID:	Q1308-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068236.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.51	J	0.46	1.20	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.00		0.29	0.80	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.37	J	0.36	1.20	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.96	U	0.96	1.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.90		2.16	2.40	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		22.4		40 - 140	45%	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:	Q1308-05	Acq On:	07 Feb 2025 16:09
Client Sample ID:	EX-11-TPH-6	Operator:	YP/AJ
Data file:	FC068236.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	3.111	6.377	878995	6.347	300	ug/ml
Aliphatic C12-C16	6.378	9.762	1713417	12.442	200	ug/ml
Aliphatic C16-C21	9.763	13.116	614985	4.555	300	ug/ml
Aliphatic C21-C28	13.117	16.769	376129	2.957	400	ug/ml
Aliphatic C28-C40	16.770	21.574	5055475	48.78	600	ug/ml
Aliphatic EPH	3.111	21.574	8639001	75.08		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.845	12.845	2576618	22.4		ug/ml
Aliphatic C9-C28	3.111	16.769	3583526	26.301	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068236.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 16:09
Operator : YP/AJ
Sample : Q1308-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-6

Integration File: autoint1.e
Quant Time: Feb 07 22:15:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.845	2576618	22.405 ug/ml
Spiked Amount 50.000		Recovery = 44.81%	
Target Compounds			

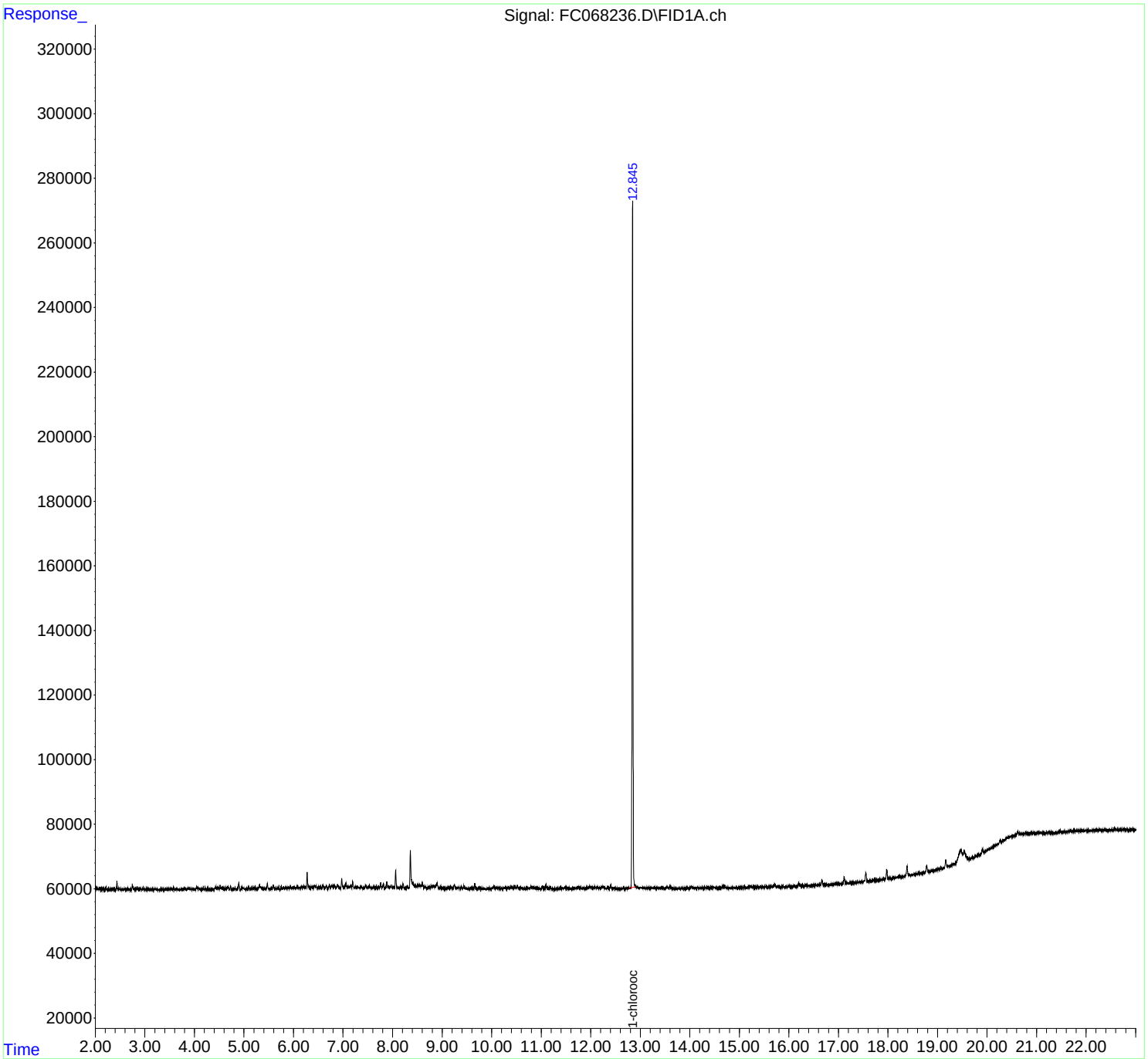
(f)=RT Delta > 1/2 Window (m)=manual int.

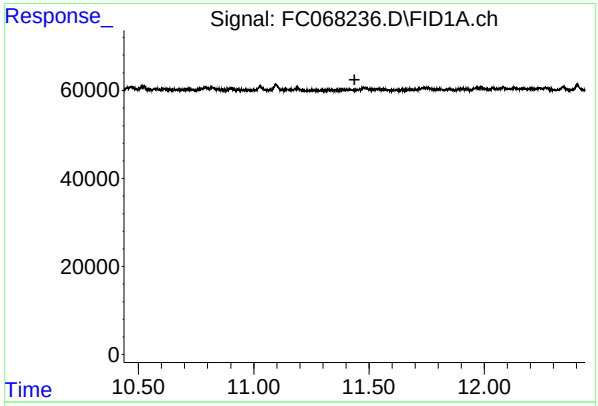
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068236.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 16:09
Operator : YP/AJ
Sample : Q1308-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-6

Integration File: autoint1.e
Quant Time: Feb 07 22:15:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

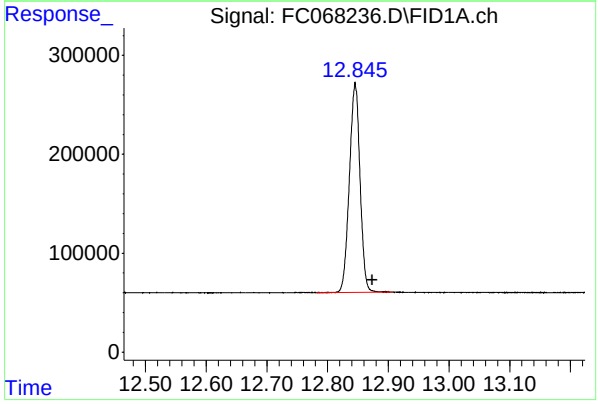




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-6



#12 1-chlorooctadecane (SURR)

R.T.: 12.845 min
Delta R.T.: -0.028 min
Response: 2576618
Conc: 22.40 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068236.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 16:09
Sample : Q1308-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.033	3.004	3.046	BV	135	53	0.00%	0.000%
2	3.065	3.046	3.088	PV	169	2290	0.09%	0.019%
3	3.097	3.088	3.119	PV	103	951	0.04%	0.008%
4	3.152	3.119	3.177	PV	103	2389	0.09%	0.020%
5	3.194	3.177	3.215	VV	234	3972	0.15%	0.033%
6	3.226	3.215	3.280	VV	281	4933	0.19%	0.041%
7	3.328	3.280	3.338	PV	261	4137	0.16%	0.035%
8	3.354	3.338	3.368	VV	203	2277	0.09%	0.019%
9	3.384	3.368	3.396	VV	241	2643	0.10%	0.022%
10	3.411	3.396	3.433	VV	310	3762	0.14%	0.031%
11	3.470	3.433	3.516	VV	492	10350	0.39%	0.086%
12	3.532	3.516	3.556	VV	403	5220	0.20%	0.044%
13	3.578	3.556	3.598	VV	848	10490	0.40%	0.088%
14	3.613	3.598	3.631	VV	391	5887	0.22%	0.049%
15	3.648	3.631	3.681	VV	418	7033	0.27%	0.059%
16	3.695	3.681	3.724	PV	226	4048	0.15%	0.034%
17	3.740	3.724	3.768	VV	438	4869	0.18%	0.041%
18	3.786	3.768	3.836	VV	454	9812	0.37%	0.082%
19	3.871	3.836	3.884	VV	656	7763	0.29%	0.065%
20	3.896	3.884	3.918	VV	587	7628	0.29%	0.064%
21	3.931	3.918	3.945	VV	369	4594	0.17%	0.038%
22	3.960	3.945	3.986	VV	375	5160	0.20%	0.043%
23	4.045	3.986	4.059	VV	916	15593	0.59%	0.130%
24	4.071	4.059	4.151	VV	741	14994	0.57%	0.125%
25	4.179	4.151	4.199	VV	545	8965	0.34%	0.075%
26	4.219	4.199	4.247	VV	490	8750	0.33%	0.073%
27	4.267	4.247	4.316	VV	527	11353	0.43%	0.095%
28	4.333	4.316	4.360	VV	380	5440	0.21%	0.045%
29	4.383	4.360	4.394	VV	217	3236	0.12%	0.027%
30	4.434	4.394	4.448	VV	949	17045	0.65%	0.142%
31	4.460	4.448	4.474	VV	662	8970	0.34%	0.075%
32	4.489	4.474	4.503	VV	753	9268	0.35%	0.077%
33	4.519	4.503	4.533	VV	1479	14437	0.55%	0.120%
34	4.545	4.533	4.558	VV	835	8629	0.33%	0.072%
35	4.573	4.558	4.608	VV	590	13255	0.50%	0.111%
36	4.637	4.608	4.651	VV	740	12276	0.47%	0.102%

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37	4.677	4.651	4.704	VV	839	17484	0.66%	0.146%
38	4.730	4.704	4.757	VV	1238	16110	0.61%	0.134%
39	4.784	4.757	4.796	VV	396	5780	0.22%	0.048%
40	4.819	4.796	4.838	VV	573	8769	0.33%	0.073%
41	4.895	4.838	4.929	VV	2222	35564	1.35%	0.297%
42	4.951	4.929	4.964	VV	825	9777	0.37%	0.082%
43	4.974	4.964	5.039	VV	685	17055	0.65%	0.142%
44	5.060	5.039	5.075	VV	342	5413	0.21%	0.045%
45	5.096	5.075	5.141	VV	749	19277	0.73%	0.161%
46	5.154	5.141	5.168	VV	542	6550	0.25%	0.055%
47	5.183	5.168	5.199	VV	720	9667	0.37%	0.081%
48	5.213	5.199	5.254	VV	637	15419	0.59%	0.129%
49	5.272	5.254	5.284	VV	424	6040	0.23%	0.050%
50	5.314	5.284	5.329	VV	1651	23656	0.90%	0.197%
51	5.338	5.329	5.358	VV	1022	12638	0.48%	0.105%
52	5.367	5.358	5.378	VV	438	5078	0.19%	0.042%
53	5.392	5.378	5.404	VV	395	5728	0.22%	0.048%
54	5.416	5.404	5.438	VV	474	7704	0.29%	0.064%
55	5.472	5.438	5.501	VV	2038	30186	1.15%	0.252%
56	5.511	5.501	5.534	VV	445	6820	0.26%	0.057%
57	5.548	5.534	5.563	VV	480	5992	0.23%	0.050%
58	5.590	5.563	5.624	VV	1437	25552	0.97%	0.213%
59	5.644	5.624	5.671	VV	682	12523	0.48%	0.104%
60	5.702	5.671	5.728	VV	726	15327	0.58%	0.128%
61	5.750	5.728	5.771	VV	891	11269	0.43%	0.094%
62	5.800	5.771	5.817	VV	956	16315	0.62%	0.136%
63	5.846	5.817	5.866	VV	629	14944	0.57%	0.125%
64	5.888	5.866	5.911	VV	672	14306	0.54%	0.119%
65	5.936	5.911	5.954	VV	1048	17082	0.65%	0.142%
66	5.975	5.954	5.997	VV	845	16501	0.63%	0.138%
67	6.019	5.997	6.041	VV	770	16946	0.64%	0.141%
68	6.077	6.041	6.101	VV	961	24464	0.93%	0.204%
69	6.110	6.101	6.134	VV	624	11194	0.43%	0.093%
70	6.152	6.134	6.179	VV	934	19434	0.74%	0.162%
71	6.200	6.179	6.218	VV	849	17439	0.66%	0.145%
72	6.224	6.218	6.251	VV	832	13565	0.52%	0.113%
73	6.276	6.251	6.341	VV	5341	83570	3.17%	0.697%
74	6.359	6.341	6.388	VV	969	18679	0.71%	0.156%
75	6.397	6.388	6.407	VV	898	8572	0.33%	0.072%
76	6.424	6.407	6.448	VV	1334	24785	0.94%	0.207%
77	6.457	6.448	6.483	VV	1192	16758	0.64%	0.140%
78	6.495	6.483	6.518	VV	752	12225	0.46%	0.102%
79	6.529	6.518	6.535	VV	692	6482	0.25%	0.054%
80	6.551	6.535	6.568	VV	840	13818	0.52%	0.115%
81	6.595	6.568	6.641	VV	1258	33002	1.25%	0.275%
82	6.659	6.641	6.687	VV	953	19681	0.75%	0.164%
83	6.720	6.687	6.746	VV	1028	26097	0.99%	0.218%
84	6.764	6.746	6.780	VV	1107	19575	0.74%	0.163%
85	6.791	6.780	6.805	VV	1118	14640	0.56%	0.122%
86	6.828	6.805	6.861	VV	1260	30561	1.16%	0.255%
87	6.891	6.861	6.950	VV	1380	45391	1.72%	0.379%
88	6.974	6.950	7.011	VV	3432	54375	2.07%	0.454%
89	7.028	7.011	7.037	VV	927	12520	0.48%	0.104%

90	7.056	7.037	7.086	VV	2096	37855	1.44%	0.316%
91	7.098	7.086	7.121	VV	881	15809	0.60%	0.132%
92	7.159	7.121	7.178	VV	1021	28407	1.08%	0.237%
93	7.196	7.178	7.219	VV	2548	35623	1.35%	0.297%
94	7.257	7.219	7.270	VV	826	21849	0.83%	0.182%
95	7.286	7.270	7.313	VV	847	17453	0.66%	0.146%
96	7.325	7.313	7.335	VV	721	8320	0.32%	0.069%
97	7.364	7.335	7.431	VV	929	35332	1.34%	0.295%
98	7.455	7.431	7.488	VV	1256	26863	1.02%	0.224%
99	7.528	7.488	7.548	VV	1050	25908	0.98%	0.216%
100	7.557	7.548	7.585	VV	697	11948	0.45%	0.100%
101	7.617	7.585	7.635	VV	1024	19163	0.73%	0.160%
102	7.651	7.635	7.660	VV	776	10081	0.38%	0.084%
103	7.669	7.660	7.687	VV	782	10080	0.38%	0.084%
104	7.718	7.687	7.738	VV	784	18342	0.70%	0.153%
105	7.760	7.738	7.781	VV	2131	30200	1.15%	0.252%
106	7.815	7.781	7.837	VV	1851	33314	1.27%	0.278%
107	7.854	7.837	7.865	VV	723	9761	0.37%	0.081%
108	7.885	7.865	7.911	VV	2392	34460	1.31%	0.287%
109	7.929	7.911	7.954	VV	851	18159	0.69%	0.151%
110	7.971	7.954	7.992	VV	1375	19783	0.75%	0.165%
111	8.003	7.992	8.037	VV	601	14993	0.57%	0.125%
112	8.063	8.037	8.131	VV	5885	89755	3.41%	0.749%
113	8.158	8.131	8.191	VV	841	23219	0.88%	0.194%
114	8.212	8.191	8.234	VV	1887	26742	1.02%	0.223%
115	8.255	8.234	8.280	VV	661	15094	0.57%	0.126%
116	8.298	8.280	8.331	VV	757	16721	0.64%	0.139%
117	8.360	8.331	8.491	VV	12073	248691	9.44%	2.075%
118	8.508	8.491	8.534	VV	1622	32252	1.22%	0.269%
119	8.550	8.534	8.562	VV	1336	20274	0.77%	0.169%
120	8.571	8.562	8.581	VV	1205	12270	0.47%	0.102%
121	8.599	8.581	8.648	VV	2327	48557	1.84%	0.405%
122	8.665	8.648	8.693	VV	825	17047	0.65%	0.142%
123	8.717	8.693	8.732	VV	716	12760	0.48%	0.106%
124	8.747	8.732	8.761	VV	641	10288	0.39%	0.086%
125	8.784	8.761	8.802	VV	1076	20139	0.76%	0.168%
126	8.819	8.802	8.834	VV	1228	18530	0.70%	0.155%
127	8.843	8.834	8.865	VV	929	14689	0.56%	0.123%
128	8.895	8.865	8.949	VV	1899	50312	1.91%	0.420%
129	8.968	8.949	8.988	VV	781	12871	0.49%	0.107%
130	9.019	8.988	9.051	VV	595	13063	0.50%	0.109%
131	9.103	9.051	9.151	VV	454	20266	0.77%	0.169%
132	9.183	9.151	9.223	VV	760	20154	0.77%	0.168%
133	9.250	9.223	9.284	VV	1413	25465	0.97%	0.212%
134	9.305	9.284	9.318	VV	454	7839	0.30%	0.065%
135	9.340	9.318	9.368	VV	615	12618	0.48%	0.105%
136	9.387	9.368	9.411	VV	724	13409	0.51%	0.112%
137	9.440	9.411	9.514	VV	1114	24191	0.92%	0.202%
138	9.529	9.514	9.554	VV	283	4543	0.17%	0.038%
139	9.580	9.554	9.607	VV	560	10312	0.39%	0.086%
140	9.617	9.607	9.633	VV	270	3482	0.13%	0.029%
141	9.659	9.633	9.706	VV	1768	26146	0.99%	0.218%

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142	9.743	9.706	9.818	VV	484	19533	0.74%	0.163%
143	9.828	9.818	9.848	VV	333	3391	0.13%	0.028%
144	9.865	9.848	9.890	PV	123	2169	0.08%	0.018%
145	9.902	9.890	9.910	VV	110	1119	0.04%	0.009%
146	9.934	9.910	9.954	VV	313	5615	0.21%	0.047%
147	9.965	9.954	9.972	VV	349	2884	0.11%	0.024%
148	9.982	9.972	9.994	VV	322	4046	0.15%	0.034%
149	10.005	9.994	10.017	VV	381	4795	0.18%	0.040%
150	10.047	10.017	10.070	VV	1020	19749	0.75%	0.165%
151	10.092	10.070	10.112	VV	658	11821	0.45%	0.099%
152	10.136	10.112	10.154	VV	515	10927	0.41%	0.091%
153	10.164	10.154	10.178	VV	432	4418	0.17%	0.037%
154	10.188	10.178	10.205	VV	297	3743	0.14%	0.031%
155	10.256	10.205	10.271	VV	478	10941	0.42%	0.091%
156	10.286	10.271	10.308	VV	420	8421	0.32%	0.070%
157	10.333	10.308	10.354	VV	628	12780	0.49%	0.107%
158	10.397	10.354	10.432	VV	849	24549	0.93%	0.205%
159	10.468	10.432	10.495	VV	958	23513	0.89%	0.196%
160	10.519	10.495	10.561	VV	999	22413	0.85%	0.187%
161	10.573	10.561	10.597	VV	401	7811	0.30%	0.065%
162	10.611	10.597	10.637	VV	454	8721	0.33%	0.073%
163	10.652	10.637	10.666	VV	333	4831	0.18%	0.040%
164	10.678	10.666	10.701	VV	286	5477	0.21%	0.046%
165	10.716	10.701	10.748	VV	403	9137	0.35%	0.076%
166	10.791	10.748	10.805	VV	838	17612	0.67%	0.147%
167	10.821	10.805	10.875	VV	753	19123	0.73%	0.160%
168	10.902	10.875	10.924	VV	534	10223	0.39%	0.085%
169	10.932	10.924	10.978	VV	252	6557	0.25%	0.055%
170	11.028	10.978	11.074	VV	990	20345	0.77%	0.170%
171	11.097	11.074	11.131	VV	1388	20853	0.79%	0.174%
172	11.144	11.131	11.168	VV	324	6065	0.23%	0.051%
173	11.188	11.168	11.230	VV	650	10698	0.41%	0.089%
174	11.248	11.230	11.278	PV	129	2252	0.09%	0.019%
175	11.297	11.278	11.314	VV	112	2209	0.08%	0.018%
176	11.337	11.314	11.368	VV	185	4472	0.17%	0.037%
177	11.481	11.368	11.524	VV	658	28779	1.09%	0.240%
178	11.543	11.524	11.598	VV	365	11753	0.45%	0.098%
179	11.758	11.598	11.798	VV	719	37140	1.41%	0.310%
180	11.807	11.798	11.831	VV	421	5726	0.22%	0.048%
181	11.849	11.831	11.876	VV	370	7046	0.27%	0.059%
182	11.904	11.876	11.936	VV	438	11361	0.43%	0.095%
183	11.980	11.936	12.021	VV	694	24122	0.92%	0.201%
184	12.038	12.021	12.058	VV	623	9683	0.37%	0.081%
185	12.081	12.058	12.114	VV	818	17566	0.67%	0.147%
186	12.131	12.114	12.151	VV	599	10209	0.39%	0.085%
187	12.174	12.151	12.187	VV	439	8129	0.31%	0.068%
188	12.241	12.187	12.252	VV	622	17730	0.67%	0.148%
189	12.265	12.252	12.288	VV	771	10570	0.40%	0.088%
190	12.342	12.288	12.374	VV	858	15625	0.59%	0.130%
191	12.404	12.374	12.445	VV	1219	18676	0.71%	0.156%
192	12.462	12.445	12.506	VV	263	6717	0.26%	0.056%
193	12.517	12.506	12.531	VV	193	1673	0.06%	0.014%
194	12.550	12.531	12.624	VV	157	3276	0.12%	0.027%

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195	12.660	12.624	12.674	VV	147	2902	0.11%	0.024%
196	12.682	12.674	12.710	VV	139	2645	0.10%	0.022%
197	12.724	12.710	12.734	VV	151	1677	0.06%	0.014%
198	12.758	12.734	12.782	VV	329	6866	0.26%	0.057%
199	12.845	12.782	12.994	VV	210374	2633137	100.00%	21.965%
200	13.023	12.994	13.048	VV	428	11357	0.43%	0.095%
201	13.059	13.048	13.101	VV	401	10077	0.38%	0.084%
202	13.123	13.101	13.185	VV	284	11613	0.44%	0.097%
203	13.230	13.185	13.245	VV	337	9259	0.35%	0.077%
204	13.284	13.245	13.327	VV	432	14412	0.55%	0.120%
205	13.355	13.327	13.398	VV	332	9039	0.34%	0.075%
206	13.404	13.398	13.430	VV	235	3799	0.14%	0.032%
207	13.451	13.430	13.488	VV	302	8088	0.31%	0.067%
208	13.500	13.488	13.517	VV	293	3605	0.14%	0.030%
209	13.545	13.517	13.574	VV	717	11535	0.44%	0.096%
210	13.599	13.574	13.664	VV	884	16922	0.64%	0.141%
211	13.675	13.664	13.744	VV	161	4587	0.17%	0.038%
212	13.753	13.744	13.784	VV	100	889	0.03%	0.007%
213	13.813	13.784	13.828	PV	163	2165	0.08%	0.018%
214	13.847	13.828	13.921	VV	179	5719	0.22%	0.048%
215	13.937	13.921	13.968	VV	191	3011	0.11%	0.025%
216	13.978	13.968	13.991	VV	144	1516	0.06%	0.013%
217	14.035	13.991	14.068	VV	618	12662	0.48%	0.106%
218	14.082	14.068	14.122	VV	209	5555	0.21%	0.046%
219	14.161	14.122	14.204	VV	331	8740	0.33%	0.073%
220	14.254	14.204	14.301	VV	276	10312	0.39%	0.086%
221	14.308	14.301	14.348	VV	282	5275	0.20%	0.044%
222	14.360	14.348	14.381	VV	255	3238	0.12%	0.027%
223	14.416	14.381	14.433	VV	249	5229	0.20%	0.044%
224	14.481	14.433	14.534	VV	402	14573	0.55%	0.122%
225	14.540	14.534	14.571	VV	158	2309	0.09%	0.019%
226	14.603	14.587	14.618	PV	203	2250	0.09%	0.019%
227	14.660	14.618	14.677	VV	537	10172	0.39%	0.085%
228	14.701	14.677	14.744	VV	882	16736	0.64%	0.140%
229	14.752	14.744	14.855	VV	133	4859	0.18%	0.041%
230	14.868	14.855	14.891	VV	163	2299	0.09%	0.019%
231	14.902	14.891	14.920	VV	111	1376	0.05%	0.011%
232	14.933	14.920	14.958	VV	97	1483	0.06%	0.012%
233	14.971	14.958	14.981	PV	86	865	0.03%	0.007%
234	15.004	14.981	15.044	VV	145	2852	0.11%	0.024%
235	15.063	15.044	15.178	VV	186	7122	0.27%	0.059%
236	15.220	15.178	15.258	VV	572	11662	0.44%	0.097%
237	15.266	15.258	15.311	VV	161	3351	0.13%	0.028%
238	15.346	15.311	15.398	VV	180	5961	0.23%	0.050%
239	15.445	15.398	15.494	VV	178	6708	0.25%	0.056%
240	15.523	15.494	15.581	VV	273	8409	0.32%	0.070%
241	15.592	15.581	15.600	VV	149	1317	0.05%	0.011%
242	15.608	15.600	15.644	VV	167	2603	0.10%	0.022%
243	15.678	15.644	15.694	VV	354	6057	0.23%	0.051%
244	15.717	15.694	15.828	VV	974	22344	0.85%	0.186%
245	15.892	15.828	15.921	PV	121	3373	0.13%	0.028%
246	15.928	15.921	15.975	VV	90	2489	0.09%	0.021%

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247	15.997	15.975	16.044	VV	107	2247	0.09%	0.019%
248	16.112	16.044	16.121	VV	116	3235	0.12%	0.027%
249	16.128	16.121	16.135	PV	96	579	0.02%	0.005%
250	16.202	16.135	16.254	VV	1026	18754	0.71%	0.156%
251	16.340	16.254	16.364	VV	160	5531	0.21%	0.046%
252	16.411	16.364	16.475	VV	129	4919	0.19%	0.041%
253	16.482	16.475	16.491	PV	103	441	0.02%	0.004%
254	16.498	16.491	16.534	VV	124	2143	0.08%	0.018%
255	16.575	16.534	16.588	VV	181	3776	0.14%	0.031%
256	16.592	16.588	16.608	VV	129	1247	0.05%	0.010%
257	16.666	16.608	16.710	VV	1623	29718	1.13%	0.248%
258	16.724	16.710	16.734	VV	141	1267	0.05%	0.011%
259	16.748	16.734	16.757	VV	128	1119	0.04%	0.009%
260	16.768	16.757	16.815	VV	165	2813	0.11%	0.023%
261	16.823	16.815	16.904	PV	137	2807	0.11%	0.023%
262	16.955	16.904	17.027	VV	130	5747	0.22%	0.048%
263	17.116	17.027	17.161	PV	2172	37379	1.42%	0.312%
264	17.170	17.161	17.193	VV	189	2580	0.10%	0.022%
265	17.264	17.193	17.274	VV	174	5212	0.20%	0.043%
266	17.330	17.274	17.354	VV	119	4095	0.16%	0.034%
267	17.396	17.354	17.412	VV	159	3216	0.12%	0.027%
268	17.552	17.412	17.610	VV	2794	53690	2.04%	0.448%
269	17.832	17.610	17.848	PV	186	14125	0.54%	0.118%
270	17.876	17.848	17.901	VV	121	3070	0.12%	0.026%
271	17.975	17.901	18.019	PV	2995	48967	1.86%	0.408%
272	18.248	18.019	18.271	VV	170	10878	0.41%	0.091%
273	18.384	18.271	18.444	PV	2958	51321	1.95%	0.428%
274	18.684	18.444	18.701	VV	224	12268	0.47%	0.102%
275	18.781	18.701	18.824	PV	2220	33971	1.29%	0.283%
276	19.167	18.824	19.204	PV	2480	56442	2.14%	0.471%
277	19.468	19.204	19.514	VV	4302	299332	11.37%	2.497%
278	19.540	19.514	19.636	VV	4234	176527	6.70%	1.473%
279	19.906	19.636	19.937	VV	3179	289125	10.98%	2.412%
280	20.263	19.937	20.284	VV	4663	652749	24.79%	5.445%
281	20.442	20.284	20.461	VV	5153	489395	18.59%	4.082%
282	20.619	20.461	20.658	VV	5855	617345	23.45%	5.150%
283	20.776	20.658	20.808	VV	5014	453978	17.24%	3.787%
284	20.879	20.808	20.904	VV	4752	273251	10.38%	2.279%
285	20.942	20.904	20.985	VV	4586	215715	8.19%	1.799%
286	21.021	20.985	21.110	VV	4468	313579	11.91%	2.616%
287	21.127	21.110	21.144	VV	3855	78022	2.96%	0.651%
288	21.249	21.144	21.331	VV	3527	391865	14.88%	3.269%
289	21.360	21.331	21.398	VV	3148	121877	4.63%	1.017%
290	21.474	21.398	21.514	VV	3211	206918	7.86%	1.726%
291	21.529	21.514	21.594	VV	2853	130029	4.94%	1.085%
292	21.740	21.594	21.764	VV	2365	246338	9.36%	2.055%
293	21.870	21.764	21.891	VV	1923	151218	5.74%	1.261%
294	21.911	21.891	21.981	VV	1820	89805	3.41%	0.749%
295	21.998	21.981	22.032	VV	1544	43927	1.67%	0.366%
296	22.175	22.032	22.211	VV	998	115566	4.39%	0.964%
297	22.245	22.211	22.321	VV	878	46322	1.76%	0.386%
298	22.353	22.321	22.404	VV	459	17477	0.66%	0.146%
299	22.415	22.404	22.431	VV	173	1840	0.07%	0.015%

rteres
Sum of corrected areas: 11987923

Aliphatic EPH 012425.M Fri Feb 07 23:09:09 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-6	SDG No.:	Q1308
Lab Sample ID:	Q1308-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049059.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.36	U	0.36	0.80	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.41	J	0.41	1.20	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.17	J	1.15	2.00	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.40	U	2.40	3.20	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.4		40 - 140	91%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	48.0		40 - 140	96%	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:	Q1308-05	Acq On:	07 Feb 2025 15:33
Client Sample ID:	EX-11-TPH-6	Operator:	YP/AJ
Data file:	FD049059.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	484599	3.122	200	ug/ml
Aromatic C12-C16	5.795	8.398	837327	5.162	300	ug/ml
Aromatic C16-C21	8.399	12.662	2267631	14.663	500	ug/ml
Aromatic C21-C36	12.663	18.072	2340332	16.423	800	ug/ml
Aromatic EPH	4.076	18.072	5929889	39.37		ug/ml
2-Bromonaphthalene (SURR)	7.353	7.353	6465637	45.43		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	4080548	47.96		ug/ml
ortho-Terphenyl (SURR)	11.235	11.235	3386842	20.59		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049059.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 15:33
Operator : YP/AJ
Sample : Q1308-05
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 23:59:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.353	6465637	45.430 ug/ml
Spiked Amount 50.000		Recovery =	90.86%
6) S 2-Flurobiphenyl (SURR)	8.203	4080548	47.957 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	95.91%
11) S ortho-Terphenyl (SURR)	11.235	3386842	20.595 ug/mlm
Spiked Amount 50.000		Recovery =	41.19%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049059.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 15:33
Operator : YP/AJ
Sample : Q1308-05
Misc :
ALS Vial : 68 Sample Multiplier: 1

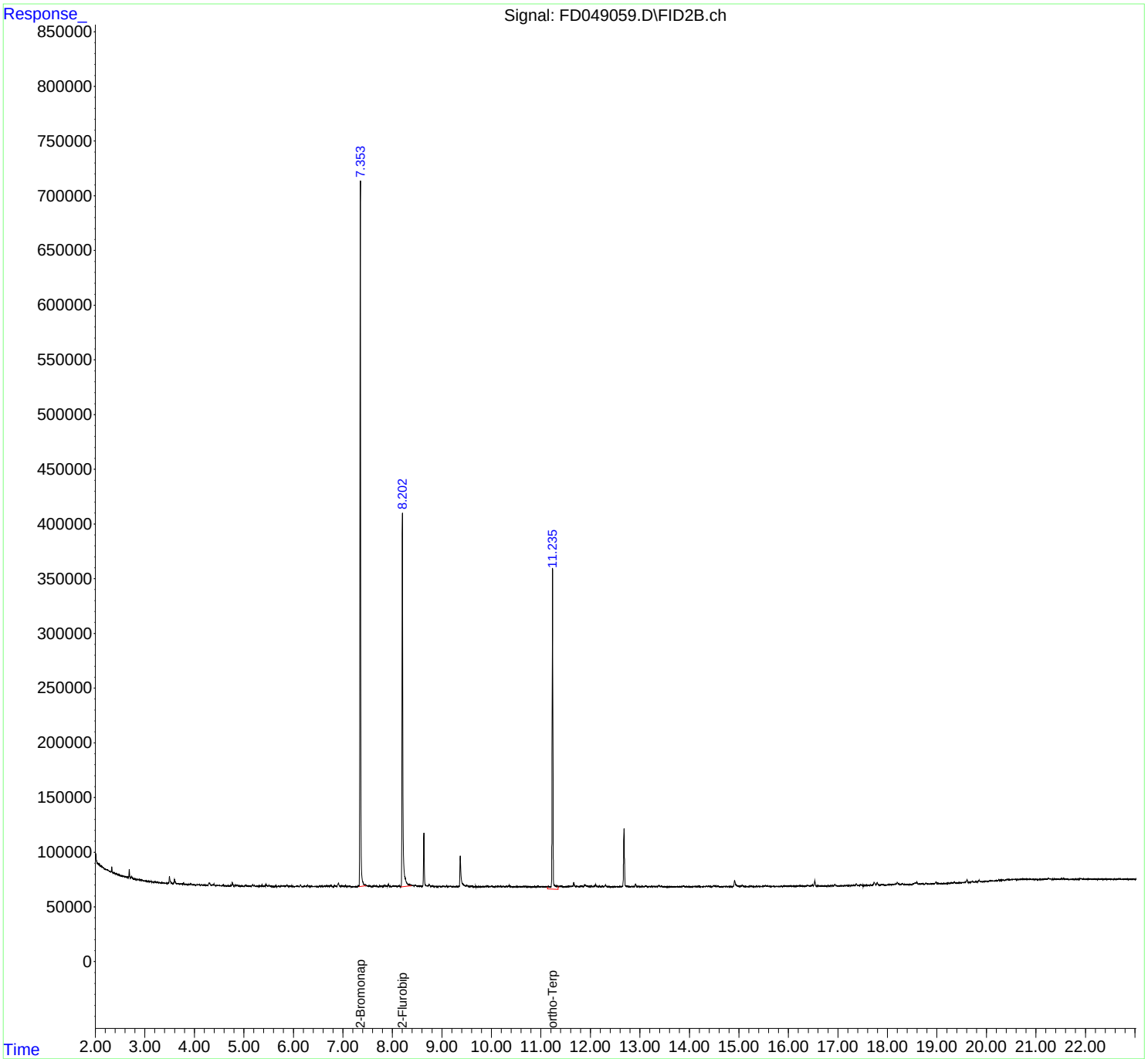
Integration File: autoint1.e
Quant Time: Feb 07 23:59:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

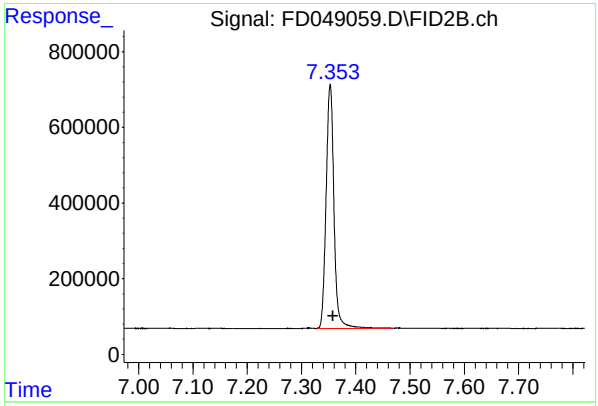
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





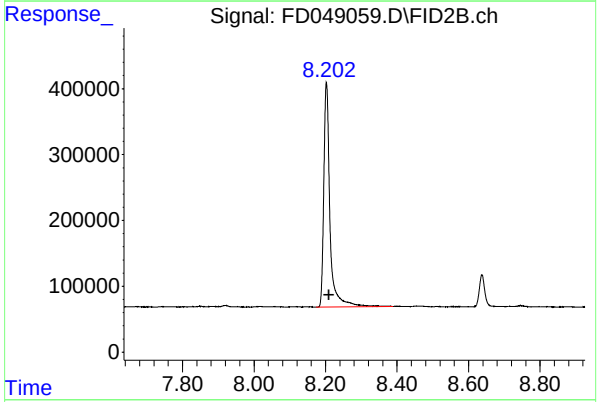
#4 2-Bromonaphthalene (SURR)

R.T.: 7.353 min
Delta R.T.: -0.005 min
Response: 6465637
Conc: 45.43 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-6

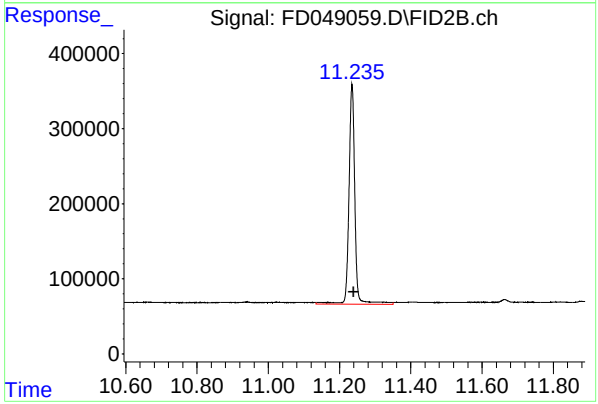
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.203 min
Delta R.T.: -0.007 min
Response: 4080548
Conc: 47.96 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.235 min
Delta R.T.: -0.005 min
Response: 3386842
Conc: 20.59 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-6

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD02072
Data File : FD049059.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 15:33
Sample : Q1308-05
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.077	4.065	4.097	PV	206	2779	0.04%	0.014%
2	4.101	4.097	4.126	VV	279	2596	0.04%	0.013%
3	4.150	4.126	4.168	PV	722	9095	0.14%	0.046%
4	4.175	4.168	4.191	VV	398	3431	0.05%	0.017%
5	4.199	4.191	4.210	VV	305	2886	0.04%	0.015%
6	4.215	4.210	4.237	VV	203	2244	0.03%	0.011%
7	4.254	4.237	4.275	PV	426	4907	0.08%	0.025%
8	4.294	4.275	4.353	VV	2389	53593	0.82%	0.270%
9	4.366	4.353	4.382	VV	1083	12256	0.19%	0.062%
10	4.396	4.382	4.412	VV	1629	15828	0.24%	0.080%
11	4.417	4.412	4.431	VV	306	1623	0.02%	0.008%
12	4.443	4.431	4.452	VV	271	2059	0.03%	0.010%
13	4.455	4.452	4.464	VV	318	1460	0.02%	0.007%
14	4.476	4.464	4.488	VV	500	4438	0.07%	0.022%
15	4.506	4.488	4.545	VV	736	11994	0.18%	0.061%
16	4.551	4.545	4.555	VV	233	1080	0.02%	0.005%
17	4.580	4.555	4.624	VV	817	18359	0.28%	0.093%
18	4.629	4.624	4.639	VV	280	1481	0.02%	0.007%
19	4.664	4.639	4.670	PV	296	2477	0.04%	0.012%
20	4.687	4.670	4.712	PV	504	6366	0.10%	0.032%
21	4.715	4.712	4.728	VV	291	2422	0.04%	0.012%
22	4.767	4.728	4.804	VV	3406	49743	0.76%	0.251%
23	4.827	4.804	4.847	VV	1317	18587	0.29%	0.094%
24	4.860	4.847	4.904	VV	1376	23454	0.36%	0.118%
25	4.911	4.904	4.940	VV	471	5056	0.08%	0.026%
26	4.962	4.940	5.003	VV	308	5378	0.08%	0.027%
27	5.026	5.003	5.034	VV	763	7362	0.11%	0.037%
28	5.037	5.034	5.072	VV	727	12782	0.20%	0.064%
29	5.077	5.072	5.089	VV	464	3678	0.06%	0.019%
30	5.093	5.089	5.124	VV	400	5132	0.08%	0.026%
31	5.130	5.124	5.153	VV	403	3015	0.05%	0.015%
32	5.177	5.153	5.196	VV	1590	21427	0.33%	0.108%
33	5.209	5.196	5.234	VV	1412	15956	0.25%	0.081%
34	5.239	5.234	5.250	VV	315	2433	0.04%	0.012%
35	5.267	5.250	5.287	VV	431	5956	0.09%	0.030%
36	5.292	5.287	5.301	VV	282	1819	0.03%	0.009%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

37	5.332	5.301	5.341	VV	643	8887	0.14%	0.045%
38	5.361	5.341	5.386	VV	1123	16914	0	
39	5.394	5.386	5.412	VV	450	4963	0	
40	5.419	5.412	5.433	VV	384	3727	0	
41	5.450	5.433	5.487	VV	2071	32847	0	
42	5.504	5.487	5.546	VV	1202	20961	0	
43	5.558	5.546	5.600	VV	502	7950	0.12%	0.040%
44	5.609	5.600	5.613	PV	228	1093	0.02%	0.006%
45	5.622	5.613	5.645	VV	347	4363	0.07%	0.022%
46	5.655	5.645	5.672	VV	632	4583	0.07%	0.023%
47	5.691	5.672	5.698	VV	438	4188	0.06%	0.021%
48	5.701	5.698	5.706	VV	396	1734	0.03%	0.009%
49	5.713	5.706	5.733	VV	441	4818	0.07%	0.024%
50	5.760	5.733	5.797	VV	956	22419	0.34%	0.113%
51	5.807	5.797	5.826	VV	888	11523	0.18%	0.058%
52	5.873	5.826	5.902	VV	1527	33283	0.51%	0.168%
53	5.911	5.902	5.915	VV	482	2904	0.04%	0.015%
54	5.928	5.915	5.940	VV	631	7807	0.12%	0.039%
55	5.944	5.940	5.954	VV	582	3401	0.05%	0.017%
56	5.963	5.954	6.004	VV	663	8848	0.14%	0.045%
57	6.018	6.004	6.024	VV	351	2725	0.04%	0.014%
58	6.042	6.024	6.047	VV	340	4031	0.06%	0.020%
59	6.063	6.047	6.110	VV	533	13814	0.21%	0.070%
60	6.118	6.110	6.121	VV	286	1535	0.02%	0.008%
61	6.144	6.121	6.194	VV	1953	27368	0.42%	0.138%
62	6.199	6.194	6.204	VV	366	1123	0.02%	0.006%
63	6.221	6.204	6.247	VV	732	9260	0.14%	0.047%
64	6.261	6.247	6.270	VV	540	5510	0.08%	0.028%
65	6.289	6.270	6.308	VV	1363	17729	0.27%	0.089%
66	6.316	6.308	6.344	VV	666	6859	0.11%	0.035%
67	6.361	6.344	6.383	VV	621	7148	0.11%	0.036%
68	6.390	6.383	6.405	VV	279	2936	0.05%	0.015%
69	6.418	6.405	6.423	VV	435	3113	0.05%	0.016%
70	6.433	6.423	6.450	VV	546	6128	0.09%	0.031%
71	6.454	6.450	6.494	VV	356	5810	0.09%	0.029%
72	6.515	6.500	6.529	VV	446	4345	0.07%	0.022%
73	6.545	6.529	6.559	VV	469	5517	0.08%	0.028%
74	6.578	6.559	6.599	VV	910	12650	0.19%	0.064%
75	6.603	6.599	6.608	VV	298	1435	0.02%	0.007%
76	6.630	6.608	6.653	VV	911	16091	0.25%	0.081%
77	6.683	6.653	6.693	VV	959	17082	0.26%	0.086%
78	6.698	6.693	6.706	VV	927	6434	0.10%	0.032%
79	6.710	6.706	6.732	VV	803	7563	0.12%	0.038%
80	6.754	6.732	6.787	VV	1486	26451	0.41%	0.133%
81	6.798	6.787	6.812	VV	427	4434	0.07%	0.022%
82	6.834	6.812	6.875	VV	1285	24498	0.38%	0.124%
83	6.912	6.875	6.940	VV	3536	66358	1.02%	0.335%
84	6.948	6.940	6.967	VV	670	8098	0.12%	0.041%
85	6.975	6.967	7.011	VV	772	15116	0.23%	0.076%
86	7.028	7.011	7.037	VV	714	8630	0.13%	0.044%
87	7.057	7.037	7.080	VV	1212	17021	0.26%	0.086%
88	7.088	7.080	7.092	VV	375	2140	0.03%	0.011%
89	7.117	7.092	7.132	VV	660	11929	0.18%	0.060%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-6

rteres

90	7.144	7.132	7.168	VV	948	10404	0.16%	0.052%
91	7.186	7.180	7.207	PV	154	1426		
92	7.224	7.207	7.249	VV	374	6340		
93	7.266	7.249	7.270	VV	367	3384		
94	7.278	7.270	7.294	VV	406	4802		
95	7.314	7.294	7.327	VV	1290	15227		
96	7.353	7.327	7.447	VV	645851	6511290	100.00%	32.854%
97	7.453	7.447	7.468	VV	1580	18084	0.28%	0.091%
98	7.476	7.468	7.497	VV	1396	20693	0.32%	0.104%
99	7.504	7.497	7.530	VV	1145	19501	0.30%	0.098%
100	7.536	7.530	7.566	VV	1048	16045	0.25%	0.081%
101	7.573	7.566	7.591	VV	656	7840	0.12%	0.040%
102	7.618	7.591	7.641	VV	1074	20520	0.32%	0.104%
103	7.649	7.641	7.662	VV	701	7397	0.11%	0.037%
104	7.671	7.662	7.725	VV	990	18116	0.28%	0.091%
105	7.743	7.725	7.760	VV	997	12970	0.20%	0.065%
106	7.768	7.760	7.792	VV	833	10401	0.16%	0.052%
107	7.802	7.792	7.815	VV	585	6028	0.09%	0.030%
108	7.830	7.815	7.835	VV	823	7671	0.12%	0.039%
109	7.851	7.835	7.867	VV	1458	20084	0.31%	0.101%
110	7.881	7.867	7.898	VV	1071	16390	0.25%	0.083%
111	7.919	7.898	7.965	VV	2689	45641	0.70%	0.230%
112	7.969	7.965	7.975	VV	482	2156	0.03%	0.011%
113	7.983	7.975	7.994	VV	373	3691	0.06%	0.019%
114	8.018	7.994	8.042	VV	1103	20993	0.32%	0.106%
115	8.057	8.042	8.093	VV	950	17815	0.27%	0.090%
116	8.119	8.093	8.135	VV	889	14862	0.23%	0.075%
117	8.149	8.135	8.176	VV	790	10898	0.17%	0.055%
118	8.203	8.176	8.375	VV	341785	4157730	63.85%	20.979%
119	8.377	8.375	8.388	VV	1616	11069	0.17%	0.056%
120	8.394	8.388	8.425	VV	1436	28232	0.43%	0.142%
121	8.428	8.425	8.437	VV	1172	7794	0.12%	0.039%
122	8.456	8.437	8.502	VV	1843	50297	0.77%	0.254%
123	8.510	8.502	8.543	VV	1090	18225	0.28%	0.092%
124	8.568	8.543	8.580	VV	986	17739	0.27%	0.090%
125	8.587	8.580	8.600	VV	763	7856	0.12%	0.040%
126	8.638	8.600	8.685	VV	49539	548336	8.42%	2.767%
127	8.690	8.685	8.701	VV	1254	10581	0.16%	0.053%
128	8.717	8.701	8.724	VV	1336	15617	0.24%	0.079%
129	8.746	8.724	8.775	VV	2455	45962	0.71%	0.232%
130	8.797	8.775	8.811	VV	842	14671	0.23%	0.074%
131	8.819	8.811	8.850	VV	976	13476	0.21%	0.068%
132	8.854	8.850	8.863	VV	431	2761	0.04%	0.014%
133	8.878	8.863	8.904	VV	715	11731	0.18%	0.059%
134	8.933	8.904	8.940	VV	617	7705	0.12%	0.039%
135	8.952	8.940	8.962	VV	564	6971	0.11%	0.035%
136	8.963	8.962	8.987	VV	535	4712	0.07%	0.024%
137	9.038	8.987	9.053	VV	773	19970	0.31%	0.101%
138	9.067	9.053	9.074	VV	467	4529	0.07%	0.023%
139	9.097	9.074	9.117	VV	1050	15295	0.23%	0.077%
140	9.129	9.117	9.139	VV	548	5576	0.09%	0.028%
141	9.170	9.139	9.207	VV	780	19228	0.30%	0.097%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Instrument :
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Manual IntegrationsAPPROVED

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					rteres			
142	9.212	9.207	9.222	VV	292	2242	0.03%	0.011%
143	9.237	9.222	9.267	VV	655	9907		
144	9.272	9.267	9.276	VV	265	1212		
145	9.290	9.276	9.304	VV	631	7466		
146	9.309	9.304	9.317	VV	409	2455		
147	9.344	9.317	9.354	VV	729	10813		
148	9.372	9.354	9.495	VV	28500	503763	7.74%	2.542%
149	9.508	9.495	9.535	VV	1814	27059	0.42%	0.137%
150	9.538	9.535	9.547	VV	609	3657	0.06%	0.018%
151	9.551	9.547	9.555	VV	510	2321	0.04%	0.012%
152	9.557	9.555	9.570	VV	583	3933	0.06%	0.020%
153	9.574	9.570	9.582	VV	556	3632	0.06%	0.018%
154	9.586	9.582	9.604	VV	594	7060	0.11%	0.036%
155	9.607	9.604	9.670	VV	520	13543	0.21%	0.068%
156	9.683	9.670	9.694	VV	782	4065	0.06%	0.021%
157	9.712	9.694	9.717	VV	411	3115	0.05%	0.016%
158	9.721	9.717	9.749	VV	299	3169	0.05%	0.016%
159	9.756	9.749	9.762	VV	253	1553	0.02%	0.008%
160	9.780	9.770	9.795	VV	566	4675	0.07%	0.024%
161	9.819	9.795	9.843	VV	575	10957	0.17%	0.055%
162	9.854	9.843	9.862	VV	449	3567	0.05%	0.018%
163	9.885	9.862	9.890	VV	497	6861	0.11%	0.035%
164	9.900	9.890	9.915	VV	572	7057	0.11%	0.036%
165	9.932	9.915	9.949	VV	739	10511	0.16%	0.053%
166	9.956	9.949	9.982	VV	522	9097	0.14%	0.046%
167	9.984	9.982	9.993	VV	553	3093	0.05%	0.016%
168	10.010	9.993	10.039	VV	1303	19694	0.30%	0.099%
169	10.050	10.039	10.060	VV	453	4782	0.07%	0.024%
170	10.063	10.060	10.072	VV	400	2189	0.03%	0.011%
171	10.084	10.072	10.088	VV	513	3835	0.06%	0.019%
172	10.107	10.088	10.122	VV	597	10217	0.16%	0.052%
173	10.138	10.122	10.156	VV	818	11778	0.18%	0.059%
174	10.170	10.156	10.175	VV	696	5633	0.09%	0.028%
175	10.179	10.175	10.205	VV	545	8210	0.13%	0.041%
176	10.236	10.205	10.256	VV	724	15382	0.24%	0.078%
177	10.260	10.256	10.279	VV	529	4985	0.08%	0.025%
178	10.297	10.279	10.311	VV	600	8981	0.14%	0.045%
179	10.321	10.311	10.336	VV	532	6882	0.11%	0.035%
180	10.366	10.336	10.389	VV	1388	24508	0.38%	0.124%
181	10.395	10.389	10.414	VV	575	4606	0.07%	0.023%
182	10.426	10.414	10.442	VV	407	4622	0.07%	0.023%
183	10.454	10.442	10.458	VV	377	2926	0.04%	0.015%
184	10.462	10.458	10.482	VV	358	3451	0.05%	0.017%
185	10.493	10.482	10.500	VV	379	2555	0.04%	0.013%
186	10.518	10.500	10.538	VV	546	6946	0.11%	0.035%
187	10.554	10.538	10.582	VV	552	10479	0.16%	0.053%
188	10.597	10.582	10.607	VV	372	4616	0.07%	0.023%
189	10.610	10.607	10.621	VV	430	2825	0.04%	0.014%
190	10.632	10.621	10.641	VV	508	5104	0.08%	0.026%
191	10.660	10.641	10.680	VV	896	13014	0.20%	0.066%
192	10.686	10.680	10.711	VV	470	6690	0.10%	0.034%
193	10.735	10.711	10.765	VV	476	8726	0.13%	0.044%
194	10.781	10.774	10.803	VV	263	2618	0.04%	0.013%

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					rteres			
195	10.815	10.803	10.835	VV	300	3335	0.05%	0.017%
196	10.868	10.835	10.893	VV	469	9730		
197	10.900	10.893	10.917	VV	375	3265		
198	10.940	10.917	10.960	VV	1077	15188		
199	10.992	10.960	11.012	VV	343	8190		
200	11.024	11.012	11.045	VV	721	9435		
201	11.049	11.045	11.063	VV	370	3245	0.05%	0.016%
202	11.067	11.063	11.075	VV	408	2147	0.03%	0.011%
203	11.090	11.075	11.122	VV	510	9759	0.15%	0.049%
204	11.138	11.122	11.154	VV	495	6543	0.10%	0.033%
205	11.159	11.154	11.197	VV	270	4082	0.06%	0.021%
206	11.235	11.203	11.345	PV	290961	3136680	48.17%	15.827%
207	11.349	11.345	11.355	VV	606	3279	0.05%	0.017%
208	11.362	11.355	11.369	VV	542	4193	0.06%	0.021%
209	11.373	11.369	11.380	VV	519	2955	0.05%	0.015%
210	11.405	11.380	11.428	VV	1020	19759	0.30%	0.100%
211	11.438	11.428	11.447	VV	457	4340	0.07%	0.022%
212	11.457	11.447	11.466	VV	393	3408	0.05%	0.017%
213	11.470	11.466	11.477	VV	344	1521	0.02%	0.008%
214	11.484	11.477	11.502	VV	244	4167	0.06%	0.021%
215	11.532	11.502	11.552	VV	478	11723	0.18%	0.059%
216	11.568	11.552	11.580	VV	717	10312	0.16%	0.052%
217	11.597	11.580	11.624	VV	779	16298	0.25%	0.082%
218	11.663	11.624	11.696	VV	4269	69679	1.07%	0.352%
219	11.707	11.696	11.724	VV	795	11069	0.17%	0.056%
220	11.732	11.724	11.771	VV	714	14407	0.22%	0.073%
221	11.819	11.771	11.848	VV	1023	30438	0.47%	0.154%
222	11.880	11.848	11.930	VV	1937	55146	0.85%	0.278%
223	11.935	11.930	11.959	VV	891	12480	0.19%	0.063%
224	11.970	11.959	11.992	VV	673	12068	0.19%	0.061%
225	12.004	11.992	12.035	VV	742	14510	0.22%	0.073%
226	12.074	12.035	12.085	VV	902	17806	0.27%	0.090%
227	12.106	12.085	12.139	VV	2233	35970	0.55%	0.181%
228	12.147	12.139	12.155	VV	483	4201	0.06%	0.021%
229	12.181	12.155	12.224	VV	815	18750	0.29%	0.095%
230	12.241	12.224	12.264	VV	952	13691	0.21%	0.069%
231	12.303	12.264	12.345	VV	1884	39324	0.60%	0.198%
232	12.350	12.345	12.386	VV	474	6067	0.09%	0.031%
233	12.402	12.386	12.420	VV	169	2961	0.05%	0.015%
234	12.440	12.420	12.455	VV	251	2951	0.05%	0.015%
235	12.496	12.455	12.555	VV	484	15401	0.24%	0.078%
236	12.564	12.555	12.582	VV	404	4407	0.07%	0.022%
237	12.606	12.582	12.619	VV	463	7362	0.11%	0.037%
238	12.679	12.619	12.799	VV	53433	687340	10.56%	3.468%
239	12.808	12.799	12.829	VV	541	6953	0.11%	0.035%
240	12.851	12.829	12.882	VV	612	13346	0.20%	0.067%
241	12.911	12.882	12.943	VV	2847	43964	0.68%	0.222%
242	12.960	12.943	13.003	VV	561	14438	0.22%	0.073%
243	13.057	13.003	13.087	VV	687	21688	0.33%	0.109%
244	13.121	13.087	13.179	VV	942	31460	0.48%	0.159%
245	13.184	13.179	13.232	VV	494	13859	0.21%	0.070%
246	13.239	13.232	13.253	VV	460	5947	0.09%	0.030%

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					rteres			
247	13.274	13.253	13.344	VV	706	23970	0.37%	0.121%
248	13.390	13.344	13.415	VV	1496	31133		
249	13.432	13.415	13.532	VV	865	20859		
250	13.536	13.532	13.570	VV	317	3059		
251	13.581	13.570	13.592	VV	158	1417		
252	13.622	13.592	13.633	VV	248	4242		
253	13.656	13.633	13.671	PV	316	4828	0.07%	0.024%
254	13.680	13.671	13.699	VV	310	4070	0.06%	0.021%
255	13.711	13.699	13.720	VV	288	3653	0.06%	0.018%
256	13.752	13.720	13.778	VV	416	10139	0.16%	0.051%
257	13.803	13.778	13.817	VV	365	4594	0.07%	0.023%
258	13.837	13.817	13.847	VV	533	6153	0.09%	0.031%
259	13.875	13.847	13.920	VV	873	22290	0.34%	0.112%
260	13.943	13.920	13.970	VV	541	9948	0.15%	0.050%
261	13.990	13.970	14.014	VV	335	6149	0.09%	0.031%
262	14.026	14.014	14.054	VV	363	5127	0.08%	0.026%
263	14.067	14.054	14.076	VV	407	3824	0.06%	0.019%
264	14.104	14.076	14.147	VV	439	16039	0.25%	0.081%
265	14.167	14.147	14.184	VV	485	8661	0.13%	0.044%
266	14.202	14.184	14.265	VV	574	14467	0.22%	0.073%
267	14.293	14.265	14.322	VV	542	12119	0.19%	0.061%
268	14.344	14.322	14.366	VV	520	10086	0.15%	0.051%
269	14.384	14.366	14.417	VV	538	10573	0.16%	0.053%
270	14.426	14.417	14.461	VV	292	5582	0.09%	0.028%
271	14.495	14.461	14.515	VV	1276	22247	0.34%	0.112%
272	14.531	14.515	14.560	VV	970	16559	0.25%	0.084%
273	14.580	14.560	14.623	VV	745	15126	0.23%	0.076%
274	14.631	14.623	14.644	VV	200	1527	0.02%	0.008%
275	14.654	14.644	14.671	VV	281	2494	0.04%	0.013%
276	14.703	14.671	14.820	VV	440	20857	0.32%	0.105%
277	14.834	14.820	14.875	VV	329	4237	0.07%	0.021%
278	14.911	14.875	15.039	VV	5760	147910	2.27%	0.746%
279	15.065	15.039	15.145	VV	1158	33406	0.51%	0.169%
280	15.153	15.145	15.170	VV	311	3523	0.05%	0.018%
281	15.185	15.170	15.206	VV	347	4948	0.08%	0.025%
282	15.252	15.206	15.283	VV	394	11257	0.17%	0.057%
283	15.366	15.283	15.382	VV	386	10620	0.16%	0.054%
284	15.396	15.382	15.418	VV	365	6015	0.09%	0.030%
285	15.432	15.418	15.457	VV	407	6773	0.10%	0.034%
286	15.464	15.457	15.473	VV	302	2561	0.04%	0.013%
287	15.483	15.473	15.489	VV	300	2556	0.04%	0.013%
288	15.509	15.489	15.520	VV	542	7953	0.12%	0.040%
289	15.541	15.520	15.566	VV	966	17985	0.28%	0.091%
290	15.586	15.566	15.660	VV	574	18983	0.29%	0.096%
291	15.700	15.660	15.720	VV	422	8800	0.14%	0.044%
292	15.754	15.720	15.787	VV	456	9174	0.14%	0.046%
293	15.793	15.787	15.805	VV	234	1731	0.03%	0.009%
294	15.816	15.805	15.829	VV	236	2151	0.03%	0.011%
295	15.842	15.829	15.860	PV	303	3739	0.06%	0.019%
296	15.864	15.860	15.887	VV	277	2760	0.04%	0.014%
297	15.922	15.887	15.967	VV	813	23063	0.35%	0.116%
298	15.985	15.967	16.000	VV	515	7676	0.12%	0.039%
299	16.020	16.000	16.032	VV	525	8004	0.12%	0.040%

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rteres

300	16.039	16.032	16.074	VV	420	8768	0.13%	0.044%
301	16.111	16.074	16.144	VV	705	16227		
302	16.153	16.144	16.184	VV	464	7936		
303	16.241	16.184	16.269	VV	785	27058		
304	16.278	16.269	16.294	VV	547	6396		
305	16.311	16.294	16.344	VV	591	11543		
306	16.396	16.344	16.437	VV	934	31889	0.49%	0.161%
307	16.454	16.437	16.465	VV	673	9993	0.15%	0.050%
308	16.488	16.465	16.507	VV	1371	23051	0.35%	0.116%
309	16.532	16.507	16.564	VV	5049	77777	1.19%	0.392%
310	16.576	16.564	16.664	VV	798	28829	0.44%	0.145%
311	16.686	16.664	16.722	VV	481	13396	0.21%	0.068%
312	16.730	16.722	16.739	VV	479	3189	0.05%	0.016%
313	16.755	16.739	16.780	VV	430	7105	0.11%	0.036%
314	16.796	16.780	16.834	VV	728	13523	0.21%	0.068%
315	16.869	16.834	16.897	VV	668	18661	0.29%	0.094%
316	16.937	16.897	16.980	VV	1757	39609	0.61%	0.200%
317	16.997	16.980	17.014	VV	566	7986	0.12%	0.040%
318	17.022	17.014	17.034	VV	565	4808	0.07%	0.024%
319	17.058	17.034	17.075	VV	535	11604	0.18%	0.059%
320	17.089	17.075	17.102	VV	594	7942	0.12%	0.040%
321	17.104	17.102	17.114	VV	528	3392	0.05%	0.017%
322	17.123	17.114	17.139	VV	620	7265	0.11%	0.037%
323	17.162	17.139	17.203	VV	756	21923	0.34%	0.111%
324	17.212	17.203	17.239	VV	751	12418	0.19%	0.063%
325	17.264	17.239	17.287	VV	710	17259	0.27%	0.087%
326	17.371	17.287	17.400	VV	2320	69267	1.06%	0.350%
327	17.411	17.400	17.432	VV	678	12107	0.19%	0.061%
328	17.460	17.432	17.511	VV	1358	40928	0.63%	0.207%
329	17.530	17.511	17.552	PV	790	15236	0.23%	0.077%
330	17.561	17.552	17.570	VV	732	7012	0.11%	0.035%
331	17.581	17.570	17.594	VV	762	8903	0.14%	0.045%
332	17.605	17.594	17.617	VV	596	6599	0.10%	0.033%
333	17.662	17.617	17.681	VV	994	25058	0.38%	0.126%
334	17.732	17.681	17.770	VV	3203	86332	1.33%	0.436%
335	17.792	17.770	17.834	VV	2472	51003	0.78%	0.257%
336	17.842	17.834	17.852	VV	614	5389	0.08%	0.027%
337	17.884	17.852	17.962	VV	764	32137	0.49%	0.162%
338	18.045	17.962	18.055	VV	740	25968	0.40%	0.131%
339	18.061	18.055	18.080	VV	609	8234	0.13%	0.042%
340	18.088	18.080	18.115	VV	599	10038	0.15%	0.051%
341	18.149	18.115	18.160	VV	703	15167	0.23%	0.077%
342	18.199	18.160	18.228	VV	2251	47683	0.73%	0.241%
343	18.236	18.228	18.265	VV	735	10230	0.16%	0.052%

Sum of corrected areas: 19818710

Aromatic EPH 012425.M Sat Feb 08 00:46:23 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-7	SDG No.:	Q1308
Lab Sample ID:	Q1308-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
02/06/25 14:20	02/07/25 20:56	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	674		50	22.4	58.9	mg/kg	FE052300.D
Aliphatic C12-C16	Aliphatic C12-C16	1720		200	56.5	156	mg/kg	FE052301.D
Aliphatic C16-C21	Aliphatic C16-C21	428		50	17.7	58.9	mg/kg	FE052300.D
Aliphatic C21-C28	Aliphatic C21-C28	25.3		1	0.94	1.57	mg/kg	FE052287.D
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1	2.12	2.35	mg/kg	FE052287.D
Aromatic C10-C12	Aromatic C10-C12	132		10	3.53	7.85	mg/kg	FF015501.D
Aromatic C12-C16	Aromatic C12-C16	672		50	20.0	58.9	mg/kg	FF015502.D
Aromatic C16-C21	Aromatic C16-C21	795		50	56.5	98.1	mg/kg	FF015502.D
Aromatic C21-C36	Aromatic C21-C36	33.4		1	2.35	3.14	mg/kg	FF015489.D
Total AliphaticEPH	Total AliphaticEPH	2860			99.7	278	mg/kg	
Total AromaticEPH	Total AromaticEPH	1630			82.4	168	mg/kg	
Total EPH	Total EPH	4490			182	446	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-7	SDG No.:	Q1308
Lab Sample ID:	Q1308-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FE052287.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	652	E	0.45	1.18	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1410	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	383	E	0.35	1.18	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	25.3		0.94	1.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.8		2.12	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	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:	Q1308-06	Acq On:	07 Feb 2025 12:56
Client Sample ID:	EX-11-TPH-7	Operator:	YP\AJ
Data file:	FE052287.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	799994513	8320	300	ug/ml
Aliphatic C12-C16	7.236	10.639	1883589829	18000	200	ug/ml
Aliphatic C16-C21	10.640	13.984	552895923	4890	300	ug/ml
Aliphatic C21-C28	13.985	17.628	36775483	322.595	400	ug/ml
Aliphatic C28-C40	17.629	22.712	13718989	149.847	600	ug/ml
Aliphatic EPH	3.679	22.712	3286974737	31700		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.727	13.727	3117230	31.59		ug/ml
Aliphatic C9-C28	3.679	17.628	3273255748	31500	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052287.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 12:56
Operator : YP\AJ
Sample : Q1308-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:23:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-7

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.727	3117230	31.586 ug/mlm
Spiked Amount 50.000		Recovery = 63.17%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052287.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 12:56
Operator : YP\AJ
Sample : Q1308-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

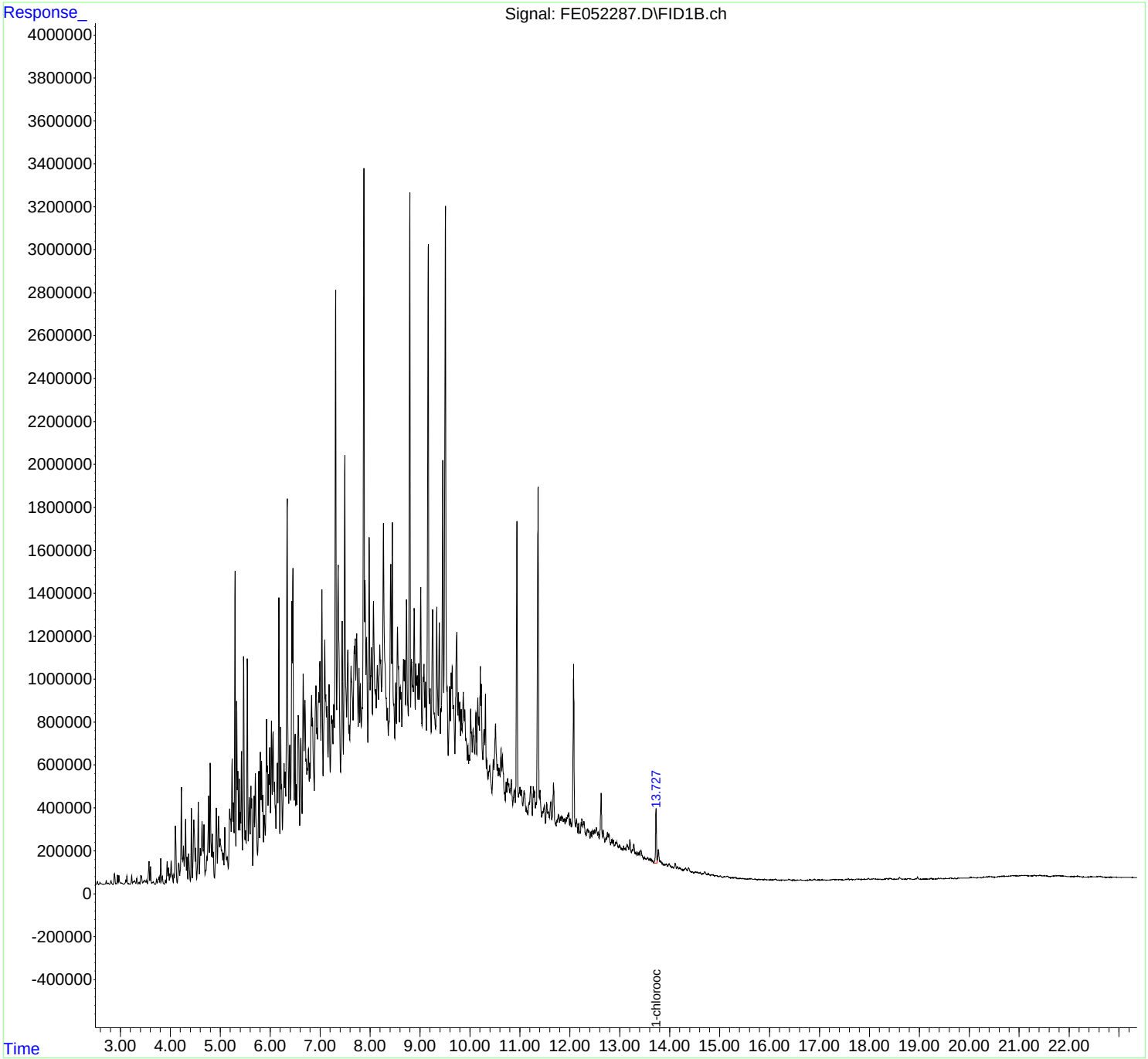
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7

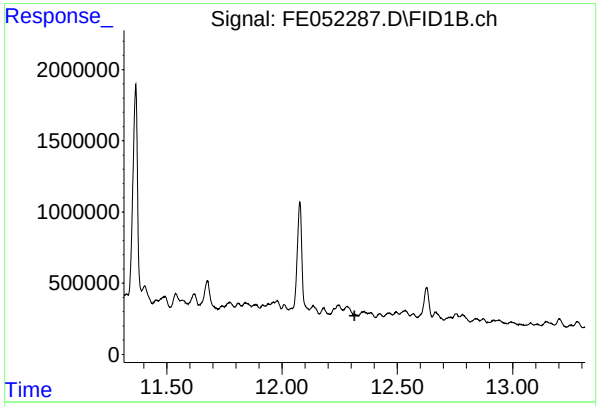
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:23:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





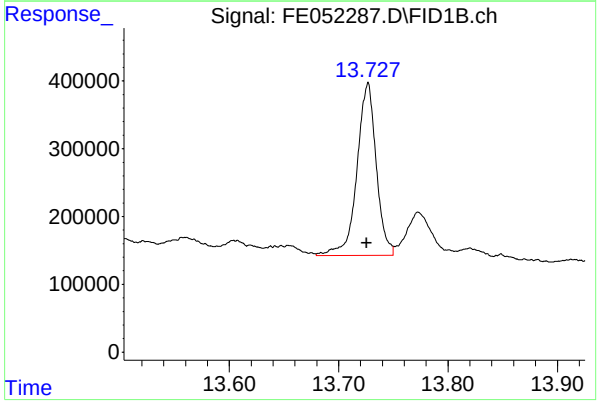
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7

Manual Integrations
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Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.727 min
Delta R.T.: 0.001 min
Response: 3117230
Conc: 31.59 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052287.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 12:56
Sample : Q1308-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.226	3.205	3.243	PV	37373	326717	0.40%	0.010%
2	3.287	3.243	3.311	PV	13352	251804	0.31%	0.008%
3	3.327	3.311	3.353	VV	23823	238902	0.29%	0.007%
4	3.375	3.353	3.390	VV	8611	87120	0.11%	0.003%
5	3.411	3.390	3.446	PV	37693	709858	0.87%	0.022%
6	3.489	3.446	3.512	VV	19711	476138	0.59%	0.014%
7	3.525	3.512	3.542	VV	15526	172897	0.21%	0.005%
8	3.573	3.542	3.589	VV	106359	1380542	1.70%	0.042%
9	3.603	3.589	3.627	VV	80970	873685	1.08%	0.027%
10	3.657	3.627	3.691	VV	11930	239344	0.29%	0.007%
11	3.724	3.691	3.740	PV	22794	239905	0.30%	0.007%
12	3.776	3.740	3.790	VV	35654	628305	0.77%	0.019%
13	3.809	3.790	3.828	VV	121030	1299029	1.60%	0.039%
14	3.840	3.828	3.880	VV	36205	453907	0.56%	0.014%
15	3.902	3.880	3.916	PV	19765	202272	0.25%	0.006%
16	3.937	3.916	3.953	VV	106197	1277014	1.57%	0.039%
17	3.964	3.953	3.980	VV	76599	812975	1.00%	0.025%
18	4.017	3.980	4.058	VV	109596	2279175	2.81%	0.069%
19	4.073	4.058	4.080	VV	44435	394300	0.49%	0.012%
20	4.102	4.080	4.137	VV	271435	4116447	5.07%	0.125%
21	4.168	4.137	4.188	VV	98467	1827424	2.25%	0.056%
22	4.221	4.188	4.250	VV	451112	6447408	7.94%	0.196%
23	4.264	4.250	4.278	VV	179657	2203821	2.71%	0.067%
24	4.306	4.278	4.323	VV	301397	4391057	5.40%	0.133%
25	4.334	4.323	4.350	VV	127234	1322870	1.63%	0.040%
26	4.367	4.350	4.401	VV	140503	2197470	2.70%	0.067%
27	4.423	4.401	4.442	VV	351868	3529084	4.34%	0.107%
28	4.471	4.442	4.497	VV	296334	5839007	7.19%	0.177%
29	4.507	4.497	4.528	VV	168406	1950511	2.40%	0.059%
30	4.560	4.528	4.582	VV	380702	5002093	6.16%	0.152%
31	4.601	4.582	4.612	VV	165796	2234758	2.75%	0.068%
32	4.636	4.612	4.658	VV	291358	5458256	6.72%	0.166%
33	4.675	4.658	4.696	VV	277555	3853641	4.74%	0.117%
34	4.768	4.696	4.783	VV	409945	8395813	10.33%	0.255%
35	4.800	4.783	4.827	VV	563238	8036474	9.89%	0.244%
36	4.841	4.827	4.884	VV	232984	4377641	5.39%	0.133%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7

Manual IntegrationsAPPROVED

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rteres

37	4.922	4.884	4.943	VV	354736	6427128	7.91%	0.195%
38	4.966	4.943	4.986	VV	316897	5763381		
39	4.998	4.986	5.051	VV	210475	6447494		
40	5.061	5.051	5.074	VV	144878	1666237		
41	5.092	5.074	5.125	VV	262377	5019333		
42	5.140	5.125	5.161	VV	126371	2343255		
43	5.189	5.161	5.219	VV	349866	8750346	10.77%	0.266%
44	5.237	5.219	5.252	VV	581385	7977020	9.82%	0.242%
45	5.263	5.252	5.276	VV	378887	4664988	5.74%	0.142%
46	5.296	5.276	5.313	VV	1473756	15866039	19.53%	0.482%
47	5.330	5.313	5.369	VV	846208	16675822	20.52%	0.507%
48	5.382	5.369	5.395	VV	488606	5608428	6.90%	0.170%
49	5.425	5.395	5.444	VV	615757	10679218	13.14%	0.324%
50	5.469	5.444	5.496	VV	1058427	15924861	19.60%	0.484%
51	5.506	5.496	5.517	VV	247669	2840145	3.50%	0.086%
52	5.543	5.517	5.563	VV	1047851	14181875	17.45%	0.431%
53	5.582	5.563	5.599	VV	401630	6820603	8.39%	0.207%
54	5.615	5.599	5.651	VV	453191	9513396	11.71%	0.289%
55	5.677	5.651	5.688	VV	409662	5718159	7.04%	0.174%
56	5.704	5.688	5.747	VV	511460	10662226	13.12%	0.324%
57	5.772	5.747	5.786	VV	525126	7107789	8.75%	0.216%
58	5.803	5.786	5.815	VV	613358	8103349	9.97%	0.246%
59	5.828	5.815	5.843	VV	571116	7662440	9.43%	0.233%
60	5.851	5.843	5.866	VV	416458	4623682	5.69%	0.140%
61	5.881	5.866	5.902	VV	320027	5781543	7.12%	0.176%
62	5.928	5.902	5.958	VV	763734	16785407	20.66%	0.510%
63	5.991	5.958	6.007	VV	635337	14140290	17.40%	0.430%
64	6.026	6.007	6.041	VV	758695	11319955	13.93%	0.344%
65	6.058	6.041	6.115	VV	708416	20976961	25.82%	0.637%
66	6.143	6.115	6.155	VV	561279	10470434	12.89%	0.318%
67	6.175	6.155	6.194	VV	1324094	16640615	20.48%	0.506%
68	6.211	6.194	6.246	VV	726536	14334905	17.64%	0.435%
69	6.279	6.246	6.290	VV	558265	11270567	13.87%	0.342%
70	6.300	6.290	6.311	VV	517868	5878974	7.24%	0.179%
71	6.340	6.311	6.373	VV	1797465	33861084	41.68%	1.029%
72	6.392	6.373	6.410	VV	646330	11705959	14.41%	0.356%
73	6.435	6.410	6.444	VV	1311569	17651199	21.72%	0.536%
74	6.455	6.444	6.483	VV	1458719	20459698	25.18%	0.622%
75	6.499	6.483	6.514	VV	688513	9657747	11.89%	0.293%
76	6.524	6.514	6.534	VV	459354	5004537	6.16%	0.152%
77	6.564	6.534	6.592	VV	779282	19883670	24.47%	0.604%
78	6.614	6.592	6.640	VV	677604	14065872	17.31%	0.427%
79	6.662	6.640	6.681	VV	972640	16948214	20.86%	0.515%
80	6.696	6.681	6.735	VV	851693	21993849	27.07%	0.668%
81	6.767	6.735	6.782	VV	629097	15570008	19.16%	0.473%
82	6.793	6.782	6.801	VV	558471	5978165	7.36%	0.182%
83	6.830	6.801	6.842	VV	877910	17996381	22.15%	0.547%
84	6.848	6.842	6.883	VV	771697	14891430	18.33%	0.452%
85	6.918	6.883	6.947	VV	915667	27704767	34.10%	0.842%
86	6.996	6.947	7.017	VV	1032200	36331802	44.72%	1.104%
87	7.037	7.017	7.060	VV	1365940	23287266	28.66%	0.707%
88	7.094	7.060	7.128	VV	1132177	34250822	42.16%	1.041%
89	7.137	7.128	7.160	VV	819381	14092451	17.34%	0.428%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

90	7.181	7.160	7.204	VV	926301	19151436	23.57%	0.582%
91	7.227	7.204	7.257	VV	778479	22090634	27	
92	7.272	7.257	7.284	VV	831747	12499793	15	
93	7.312	7.284	7.333	VV	2755101	44466599	54	
94	7.361	7.333	7.409	VV	1480640	46608671	57	
95	7.442	7.409	7.466	VV	1216201	28428597	34	
96	7.495	7.466	7.532	VV	1982767	43846550	53.97%	1.332%
97	7.556	7.532	7.593	VV	1083697	31705022	39.02%	0.963%
98	7.621	7.593	7.661	VV	1005403	35136973	43.25%	1.067%
99	7.701	7.661	7.716	VV	1135411	33087393	40.72%	1.005%
100	7.734	7.716	7.764	VV	1164528	28128161	34.62%	0.855%
101	7.780	7.764	7.794	VV	997742	15850641	19.51%	0.482%
102	7.807	7.794	7.825	VV	927932	14875330	18.31%	0.452%
103	7.878	7.825	7.918	VV	3318918	81248380	100.00%	2.468%
104	7.930	7.918	7.957	VV	1145518	22090984	27.19%	0.671%
105	7.984	7.957	8.005	VV	1608754	31492083	38.76%	0.957%
106	8.028	8.005	8.047	VV	1096529	24763599	30.48%	0.752%
107	8.070	8.047	8.125	VV	1307718	46317198	57.01%	1.407%
108	8.147	8.125	8.169	VV	1010682	24477229	30.13%	0.744%
109	8.197	8.169	8.231	VV	1102010	36789782	45.28%	1.118%
110	8.269	8.231	8.340	VV	1668785	70645060	86.95%	2.146%
111	8.350	8.340	8.367	VV	812882	12285777	15.12%	0.373%
112	8.415	8.367	8.432	VV	1483511	39479857	48.59%	1.199%
113	8.448	8.432	8.495	VV	1682417	39887022	49.09%	1.212%
114	8.516	8.495	8.530	VV	934266	16920767	20.83%	0.514%
115	8.551	8.530	8.589	VV	1191541	34592115	42.58%	1.051%
116	8.604	8.589	8.638	VV	910261	24641834	30.33%	0.749%
117	8.672	8.638	8.685	VV	1043021	25398331	31.26%	0.772%
118	8.696	8.685	8.711	VV	1032323	15480959	19.05%	0.470%
119	8.732	8.711	8.768	VV	1319517	33470942	41.20%	1.017%
120	8.797	8.768	8.816	VV	3233951	50574326	62.25%	1.536%
121	8.832	8.816	8.865	VV	1035656	27967590	34.42%	0.850%
122	8.886	8.865	8.906	VV	1275247	25935837	31.92%	0.788%
123	8.920	8.906	8.933	VV	1005177	14866476	18.30%	0.452%
124	8.946	8.933	8.961	VV	962576	15869416	19.53%	0.482%
125	8.977	8.961	8.994	VV	1019663	18394262	22.64%	0.559%
126	9.017	8.994	9.043	VV	1377026	29701413	36.56%	0.902%
127	9.081	9.043	9.098	VV	1015420	29798508	36.68%	0.905%
128	9.112	9.098	9.129	VV	935163	15523882	19.11%	0.472%
129	9.166	9.129	9.188	VV	2951566	55203755	67.94%	1.677%
130	9.204	9.188	9.226	VV	904482	18677111	22.99%	0.567%
131	9.255	9.226	9.311	VV	1263577	46242584	56.92%	1.405%
132	9.337	9.311	9.366	VV	1272992	31163417	38.36%	0.947%
133	9.389	9.366	9.409	VV	1213606	24590175	30.27%	0.747%
134	9.458	9.409	9.478	VV	1967328	46489549	57.22%	1.412%
135	9.510	9.478	9.567	VV	3174440	75401806	92.80%	2.291%
136	9.596	9.567	9.610	VV	909257	20036530	24.66%	0.609%
137	9.646	9.610	9.701	VV	1007938	45745805	56.30%	1.390%
138	9.737	9.701	9.758	VV	1166888	31284681	38.50%	0.950%
139	9.771	9.758	9.785	VV	881827	13693203	16.85%	0.416%
140	9.799	9.785	9.815	VV	839617	13879410	17.08%	0.422%
141	9.828	9.815	9.847	VV	805251	14199996	17.48%	0.431%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

142	9.868	9.847	9.890	VV	883435	20954060	25.79%	0.637%
143	9.900	9.890	9.949	VV	804011	24243613	29	
144	9.961	9.949	9.976	VV	636950	9636537	11	
145	10.017	9.976	10.049	VV	805168	28795796	35	
146	10.064	10.049	10.095	VV	710024	18124289	22	
147	10.121	10.095	10.139	VV	787688	18054789	22	
148	10.160	10.139	10.191	VV	854399	23661501	29.12%	0.719%
149	10.209	10.191	10.260	VV	998994	32708900	40.26%	0.994%
150	10.284	10.260	10.298	VV	709339	15331940	18.87%	0.466%
151	10.313	10.298	10.365	VV	877797	24361075	29.98%	0.740%
152	10.398	10.365	10.442	VV	542003	22717734	27.96%	0.690%
153	10.470	10.442	10.483	VV	568628	12318780	15.16%	0.374%
154	10.514	10.483	10.569	VV	738003	31022101	38.18%	0.942%
155	10.584	10.569	10.603	VV	532923	10455363	12.87%	0.318%
156	10.623	10.603	10.637	VV	620906	11347970	13.97%	0.345%
157	10.653	10.637	10.708	VV	589510	20675190	25.45%	0.628%
158	10.727	10.708	10.741	VV	465443	8401645	10.34%	0.255%
159	10.757	10.741	10.800	VV	482995	16029425	19.73%	0.487%
160	10.830	10.800	10.859	VV	478289	15227731	18.74%	0.463%
161	10.889	10.859	10.910	VV	428466	12016367	14.79%	0.365%
162	10.944	10.910	10.971	VV	1680322	30491272	37.53%	0.926%
163	11.004	10.971	11.018	VV	442660	11657555	14.35%	0.354%
164	11.030	11.018	11.060	VV	427860	10217588	12.58%	0.310%
165	11.086	11.060	11.123	VV	425956	14444494	17.78%	0.439%
166	11.134	11.123	11.157	VV	343989	6698652	8.24%	0.203%
167	11.218	11.157	11.251	VV	443003	21031637	25.89%	0.639%
168	11.271	11.251	11.282	VV	441217	7069481	8.70%	0.215%
169	11.292	11.282	11.310	VV	422912	6657866	8.19%	0.202%
170	11.365	11.310	11.392	VV	1824041	37631346	46.32%	1.143%
171	11.404	11.392	11.438	VV	426692	10322387	12.70%	0.314%
172	11.455	11.438	11.464	VV	327213	4840274	5.96%	0.147%
173	11.491	11.464	11.515	VV	350355	10081598	12.41%	0.306%
174	11.539	11.515	11.595	VV	373076	15388234	18.94%	0.467%
175	11.619	11.595	11.640	VV	369562	9059820	11.15%	0.275%
176	11.676	11.640	11.723	VV	462023	16571993	20.40%	0.503%
177	11.773	11.723	11.794	VV	310845	12406756	15.27%	0.377%
178	11.810	11.794	11.828	VV	301925	5890605	7.25%	0.179%
179	11.841	11.828	11.869	VV	306117	7253516	8.93%	0.220%
180	11.886	11.869	11.903	VV	292241	5940862	7.31%	0.180%
181	11.979	11.903	11.997	VV	321710	16693532	20.55%	0.507%
182	12.010	11.997	12.028	VV	293203	5126392	6.31%	0.156%
183	12.077	12.028	12.118	VV	1017915	24228702	29.82%	0.736%
184	12.135	12.118	12.162	VV	287387	6883281	8.47%	0.209%
185	12.181	12.162	12.208	VV	270548	6731808	8.29%	0.205%
186	12.245	12.208	12.264	VV	290447	8908600	10.96%	0.271%
187	12.282	12.264	12.330	VV	280113	9867547	12.14%	0.300%
188	12.355	12.330	12.371	VV	243701	5762986	7.09%	0.175%
189	12.385	12.371	12.406	VV	237011	4664124	5.74%	0.142%
190	12.424	12.406	12.440	VV	230128	4522068	5.57%	0.137%
191	12.465	12.440	12.480	VV	233762	5373784	6.61%	0.163%
192	12.495	12.480	12.508	VV	242048	3975389	4.89%	0.121%
193	12.533	12.508	12.555	VV	251898	6685722	8.23%	0.203%
194	12.569	12.555	12.587	VV	228581	4074995	5.02%	0.124%

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rteres

195	12.627	12.587	12.652	VV	412741	11040010	13.59%	0.335%
196	12.666	12.652	12.702	VV	240190	6461007	7	
197	12.727	12.702	12.738	VV	202924	4246757	5	
198	12.755	12.738	12.770	VV	228849	4209421	5	
199	12.783	12.770	12.816	VV	221819	5600360	6	
200	12.841	12.816	12.858	VV	195166	4676915	5	
201	12.873	12.858	12.900	VV	194361	4472565	5.50%	0.136%
202	12.918	12.900	12.977	VV	185436	7987337	9.83%	0.243%
203	12.993	12.977	13.055	VV	170605	7388276	9.09%	0.224%
204	13.078	13.055	13.093	VV	165391	3504748	4.31%	0.106%
205	13.108	13.093	13.123	VV	154736	2770671	3.41%	0.084%
206	13.147	13.123	13.181	VV	172687	5621257	6.92%	0.171%
207	13.203	13.181	13.233	VV	193749	5063794	6.23%	0.154%
208	13.252	13.233	13.262	VV	148200	2463397	3.03%	0.075%
209	13.281	13.262	13.305	VV	172645	3942702	4.85%	0.120%
210	13.314	13.305	13.327	VV	134496	1792922	2.21%	0.054%
211	13.347	13.327	13.365	VV	137378	2943629	3.62%	0.089%
212	13.386	13.365	13.405	VV	133765	3099328	3.81%	0.094%
213	13.424	13.405	13.486	VV	145264	6044095	7.44%	0.184%
214	13.498	13.486	13.535	VV	110825	3120790	3.84%	0.095%
215	13.559	13.535	13.587	VV	111428	3298187	4.06%	0.100%
216	13.605	13.587	13.631	VV	106612	2669858	3.29%	0.081%
217	13.654	13.631	13.680	VV	99544	2736901	3.37%	0.083%
218	13.726	13.680	13.752	VV	340725	6806094	8.38%	0.207%
219	13.773	13.752	13.807	VV	147208	3815370	4.70%	0.116%
220	13.820	13.807	13.895	VV	95188	4423838	5.44%	0.134%
221	13.914	13.895	13.924	VV	78207	1327382	1.63%	0.040%
222	13.935	13.924	13.965	VV	81239	1863088	2.29%	0.057%
223	13.991	13.965	14.040	VV	79076	3274836	4.03%	0.099%
224	14.054	14.040	14.081	VV	68209	1598434	1.97%	0.049%
225	14.111	14.081	14.135	VV	83795	2288563	2.82%	0.070%
226	14.156	14.135	14.178	VV	68658	1646407	2.03%	0.050%
227	14.200	14.178	14.248	VV	62160	2434918	3.00%	0.074%
228	14.255	14.248	14.271	VV	52155	708961	0.87%	0.022%
229	14.320	14.271	14.353	VV	59695	2676369	3.29%	0.081%
230	14.378	14.353	14.443	VV	61443	2711701	3.34%	0.082%
231	14.459	14.443	14.481	VV	44123	944090	1.16%	0.029%
232	14.512	14.481	14.541	VV	43817	1460430	1.80%	0.044%
233	14.554	14.541	14.581	VV	42538	965288	1.19%	0.029%
234	14.616	14.581	14.642	VV	38881	1311284	1.61%	0.040%
235	14.663	14.642	14.677	VV	34158	702190	0.86%	0.021%
236	14.702	14.677	14.735	VV	43787	1291245	1.59%	0.039%
237	14.765	14.735	14.820	VV	33549	1537233	1.89%	0.047%
238	14.850	14.820	14.908	VV	29859	1444028	1.78%	0.044%
239	14.919	14.908	14.991	VV	25302	1160219	1.43%	0.035%
240	15.010	14.991	15.065	VV	24337	885665	1.09%	0.027%
241	15.100	15.065	15.124	VV	20549	683060	0.84%	0.021%
242	15.154	15.124	15.216	VV	22641	1009261	1.24%	0.031%
243	15.231	15.216	15.241	VV	14793	214257	0.26%	0.007%
244	15.276	15.241	15.292	VV	14961	437157	0.54%	0.013%
245	15.313	15.292	15.361	VV	17729	589002	0.72%	0.018%
246	15.380	15.361	15.442	VV	11875	522402	0.64%	0.016%

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rteres

247	15.467	15.442	15.507	VV	11357	391345	0.48%	0.012%
248	15.519	15.507	15.548	VV	9259	205344		
249	15.561	15.548	15.580	VV	8594	156972		
250	15.624	15.580	15.669	VV	9788	445603		
251	15.680	15.669	15.688	VV	6744	72431		
252	15.709	15.688	15.755	VV	8177	256965		
253	15.777	15.755	15.793	VV	5603	122149	0.15%	0.004%
254	15.819	15.793	15.877	VV	6395	262590	0.32%	0.008%
255	15.915	15.877	15.944	VV	5980	198059	0.24%	0.006%
256	15.972	15.944	15.998	VV	4136	122357	0.15%	0.004%
257	16.030	15.998	16.049	VV	4225	116440	0.14%	0.004%
258	16.110	16.049	16.159	VV	6455	283479	0.35%	0.009%
259	16.167	16.159	16.210	VV	2873	64229	0.08%	0.002%
260	16.266	16.210	16.315	VV	3596	136031	0.17%	0.004%
261	16.334	16.315	16.358	VV	2989	58444	0.07%	0.002%
262	16.392	16.358	16.475	VV	4874	187407	0.23%	0.006%
263	16.481	16.475	16.494	VV	1430	15139	0.02%	0.000%
264	16.504	16.494	16.551	VV	1505	39708	0.05%	0.001%
265	16.577	16.551	16.598	VV	2303	43368	0.05%	0.001%
266	16.625	16.598	16.683	VV	3452	81779	0.10%	0.002%
267	16.695	16.683	16.718	VV	732	9365	0.01%	0.000%
268	16.748	16.718	16.777	PV	1366	28640	0.04%	0.001%
269	16.801	16.777	16.854	VV	3156	82133	0.10%	0.002%
270	16.899	16.854	16.932	VV	4537	128784	0.16%	0.004%
271	16.971	16.932	16.988	VV	2366	56095	0.07%	0.002%
272	16.998	16.988	17.031	VV	1841	38332	0.05%	0.001%
273	17.059	17.031	17.079	VV	2566	52299	0.06%	0.002%
274	17.098	17.079	17.145	VV	2021	38668	0.05%	0.001%
275	17.289	17.145	17.322	VV	3978	198626	0.24%	0.006%
276	17.361	17.322	17.378	VV	2457	69255	0.09%	0.002%
277	17.402	17.378	17.458	VV	2615	81584	0.10%	0.002%
278	17.469	17.458	17.481	VV	606	7033	0.01%	0.000%
279	17.496	17.481	17.505	VV	1157	12664	0.02%	0.000%
280	17.528	17.505	17.558	VV	2859	73422	0.09%	0.002%
281	17.579	17.558	17.605	VV	6194	103970	0.13%	0.003%
282	17.617	17.605	17.631	VV	2952	37774	0.05%	0.001%
283	17.650	17.631	17.675	VV	3413	58386	0.07%	0.002%
284	17.684	17.675	17.711	VV	1901	30070	0.04%	0.001%
285	17.749	17.711	17.798	VV	4418	169764	0.21%	0.005%
286	17.812	17.798	17.854	VV	4507	99831	0.12%	0.003%
287	17.876	17.854	17.888	VV	3177	55729	0.07%	0.002%
288	17.897	17.888	17.929	VV	3297	68051	0.08%	0.002%
289	17.949	17.929	17.962	VV	3802	58345	0.07%	0.002%
290	17.984	17.962	18.013	VV	6671	121012	0.15%	0.004%
291	18.041	18.013	18.059	VV	4532	80270	0.10%	0.002%
292	18.080	18.059	18.105	VV	5810	113282	0.14%	0.003%
293	18.124	18.105	18.154	VV	4230	92487	0.11%	0.003%
294	18.174	18.154	18.193	VV	2566	50769	0.06%	0.002%
295	18.211	18.193	18.235	VV	3568	61236	0.08%	0.002%
296	18.242	18.235	18.258	VV	2037	24566	0.03%	0.001%
297	18.306	18.258	18.315	VV	2779	69055	0.08%	0.002%
298	18.346	18.315	18.377	VV	6468	153177	0.19%	0.005%
299	18.410	18.377	18.481	VV	6523	228115	0.28%	0.007%

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rteres

300	18.492	18.481	18.511	VV	2072	33508	0.04%	0.001%
301	18.527	18.511	18.537	VV	1981	25247		
302	18.563	18.537	18.573	VV	2473	45505		
303	18.599	18.573	18.664	VV	10540	264380		
304	18.682	18.664	18.717	VV	2408	57670		
305	18.728	18.717	18.741	VV	1769	21567		
306	18.782	18.741	18.815	VV	4267	143084	0.18%	0.004%
307	18.827	18.815	18.868	VV	3423	54613	0.07%	0.002%
308	18.876	18.868	18.893	PV	395	5445	0.01%	0.000%
309	18.929	18.893	18.942	PV	3048	56097	0.07%	0.002%
310	18.964	18.942	19.012	VV	11831	185466	0.23%	0.006%
311	19.022	19.012	19.031	VV	865	8010	0.01%	0.000%
312	19.114	19.031	19.142	VV	1922	60097	0.07%	0.002%
313	19.154	19.142	19.167	VV	515	5528	0.01%	0.000%
314	19.237	19.167	19.281	PV	4546	105277	0.13%	0.003%
315	19.286	19.281	19.354	VV	1231	38563	0.05%	0.001%
316	19.383	19.354	19.408	VV	5596	85603	0.11%	0.003%
317	19.431	19.408	19.458	VV	5138	78262	0.10%	0.002%
318	19.521	19.458	19.545	VV	2784	84696	0.10%	0.003%
319	19.566	19.545	19.584	VV	2494	48431	0.06%	0.001%
320	19.631	19.584	19.687	VV	5504	177506	0.22%	0.005%
321	19.710	19.687	19.745	VV	4366	74747	0.09%	0.002%
322	19.779	19.745	19.797	VV	4354	80126	0.10%	0.002%
323	19.810	19.797	19.813	VV	3574	29501	0.04%	0.001%
324	19.824	19.813	19.839	VV	3875	54410	0.07%	0.002%
325	19.860	19.839	19.887	VV	3599	95342	0.12%	0.003%
326	19.920	19.887	19.950	VV	3380	117509	0.14%	0.004%
327	19.964	19.950	19.974	VV	3351	43658	0.05%	0.001%
328	19.982	19.974	19.992	VV	3285	31430	0.04%	0.001%
329	20.020	19.992	20.068	VV	7160	240271	0.30%	0.007%
330	20.087	20.068	20.131	VV	5800	166814	0.21%	0.005%
331	20.141	20.131	20.151	VV	3724	43228	0.05%	0.001%
332	20.183	20.151	20.235	VV	4861	205595	0.25%	0.006%
333	20.247	20.235	20.260	VV	4574	63949	0.08%	0.002%
334	20.298	20.260	20.316	VV	7126	199798	0.25%	0.006%
335	20.338	20.316	20.361	VV	7028	178772	0.22%	0.005%
336	20.393	20.361	20.468	VV	9350	497014	0.61%	0.015%
337	20.474	20.468	20.498	VV	6476	103799	0.13%	0.003%
338	20.592	20.498	20.618	VV	8919	495626	0.61%	0.015%
339	20.653	20.618	20.662	VV	9470	235712	0.29%	0.007%
340	20.676	20.662	20.688	VV	9516	145706	0.18%	0.004%
341	20.704	20.688	20.725	VV	9402	199246	0.25%	0.006%
342	20.756	20.725	20.772	VV	9797	251522	0.31%	0.008%
343	20.825	20.772	20.837	VV	10370	370436	0.46%	0.011%
344	20.868	20.837	20.888	VV	12005	338608	0.42%	0.010%
345	20.906	20.888	20.919	VV	11097	201606	0.25%	0.006%
346	20.929	20.919	20.984	VV	10971	400484	0.49%	0.012%
347	21.057	20.984	21.080	VV	11518	615024	0.76%	0.019%
348	21.102	21.080	21.116	VV	11422	236816	0.29%	0.007%
349	21.135	21.116	21.268	VV	11754	907355	1.12%	0.028%
350	21.302	21.268	21.331	VV	11809	392524	0.48%	0.012%
351	21.405	21.331	21.469	VV	10848	814265	1.00%	0.025%

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rteres

352	21.479	21.469	21.492	VV	8793	120742	0.15%	0.004%
353	21.506	21.492	21.614	VV	8881	542697		
354	21.705	21.614	21.721	VV	7748	429504		
355	21.774	21.721	21.983	VV	8758	1062226		
356	22.061	21.983	22.088	VV	4223	235163		
357	22.167	22.088	22.338	VV	4761	379064		

Sum of corrected areas: 3291731749

Aliphatic EPH 020325.M Sat Feb 08 03:57:56 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-7	SDG No.:	Q1308
Lab Sample ID:	Q1308-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FF015489.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	118	E	0.35	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	586	E	0.40	1.18	mg/kg
Aromatic C16-C21	Aromatic C16-C21	724	E	1.13	1.96	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.4		2.35	3.14	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	88.1		40 - 140	176%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	65.7		40 - 140	131%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	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:	Q1308-06	Acq On:	07 Feb 2025 13:02
Client Sample ID:	EX-11-TPH-7	Operator:	YP\AJ
Data file:	FF015489.D	Misc:	
Instrument:	FID_F	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	208683175	1510	200	ug/ml
Aromatic C12-C16	6.375	9.068	1003254262	7480	300	ug/ml
Aromatic C16-C21	9.069	13.385	1137682095	9230	500	ug/ml
Aromatic C21-C36	13.386	18.838	50122010	425.569	800	ug/ml
Aromatic EPH	4.505	18.838	2399741542	18600		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	10472023	88.11		ug/ml
2-Flurobiphenyl (SURR)	8.895	8.895	4987537	65.68		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	5130658	38.9		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015489.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:02
Operator : YP\AJ
Sample : Q1308-06
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 01:03:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-7

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	10472023	88.109 ug/mlm
Spiked Amount 50.000		Recovery = 176.22%	
6) S 2-Flurobiphenyl (SURR)	8.895	4987537	65.675 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 131.35%#	
11) S ortho-Terphenyl (SURR)	11.948	5130658	38.903 ug/mlm
Spiked Amount 50.000		Recovery = 77.81%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015489.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:02
Operator : YP\AJ
Sample : Q1308-06
Misc :
ALS Vial : 75 Sample Multiplier: 1

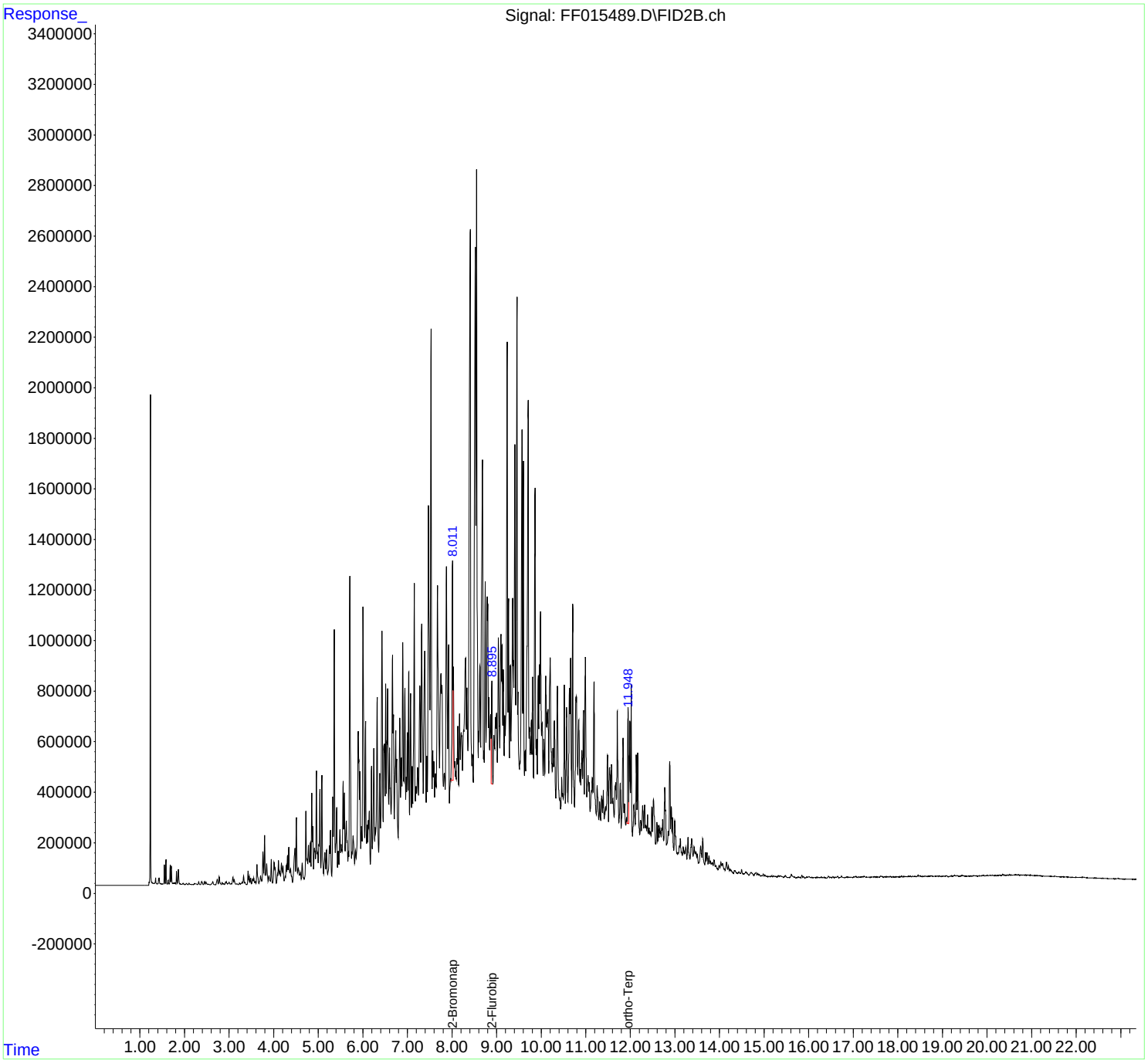
Integration File: autoint1.e
Quant Time: Feb 10 01:03:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

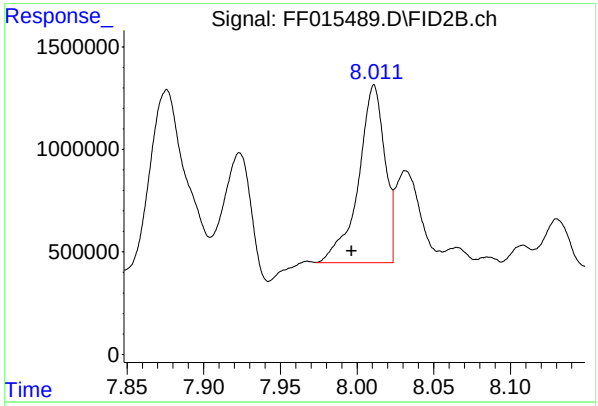
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
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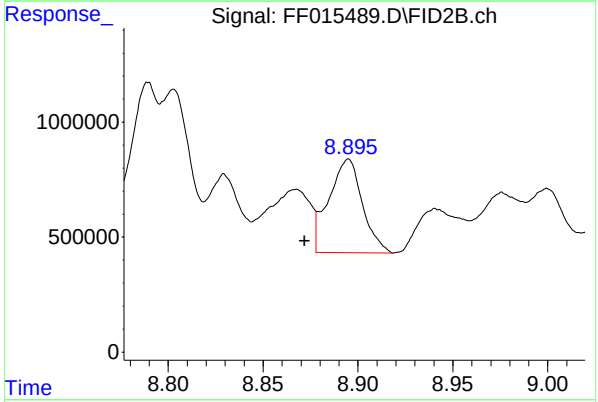
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: 0.014 min
Response: 10472023
Conc: 88.11 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7

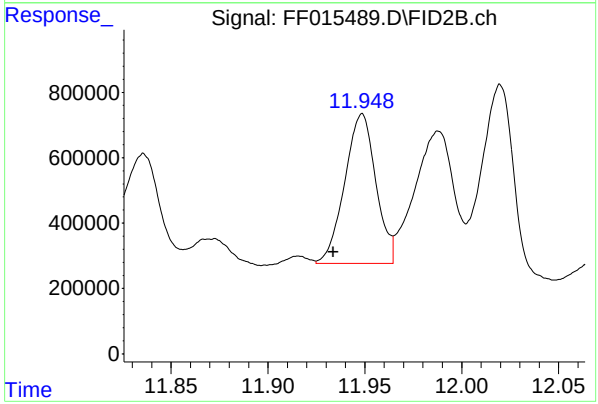
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.895 min
Delta R.T.: 0.023 min
Response: 4987537
Conc: 65.68 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.948 min
Delta R.T.: 0.015 min
Response: 5130658
Conc: 38.90 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015489.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:02
Sample : Q1308-06
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.477	4.401	4.491	BV	117277	1776156	2.69%	0.073%
2	4.509	4.491	4.536	VV	238843	2861582	4.33%	0.117%
3	4.552	4.536	4.577	VV	41240	727964	1.10%	0.030%
4	4.602	4.577	4.619	VV	25514	394607	0.60%	0.016%
5	4.640	4.619	4.685	PV	64537	904952	1.37%	0.037%
6	4.723	4.685	4.741	PV	271367	3171755	4.80%	0.130%
7	4.747	4.741	4.764	VV	82667	1047448	1.59%	0.043%
8	4.781	4.764	4.807	VV	136190	2433957	3.69%	0.100%
9	4.824	4.807	4.838	VV	146815	1831705	2.77%	0.075%
10	4.855	4.838	4.869	VV	342084	3880539	5.88%	0.159%
11	4.878	4.869	4.895	VV	209788	2193780	3.32%	0.090%
12	4.915	4.895	4.941	VV	124574	2705870	4.10%	0.111%
13	4.959	4.941	4.980	VV	429351	5302966	8.03%	0.218%
14	4.986	4.980	4.999	VV	104619	1016812	1.54%	0.042%
15	5.014	4.999	5.021	VV	139168	1500047	2.27%	0.062%
16	5.037	5.021	5.059	VV	357204	4477685	6.78%	0.184%
17	5.081	5.059	5.119	VV	411526	5606725	8.49%	0.230%
18	5.150	5.119	5.168	VV	106516	1950060	2.95%	0.080%
19	5.185	5.168	5.211	VV	117754	1713377	2.59%	0.070%
20	5.251	5.211	5.260	VV	133725	2017142	3.05%	0.083%
21	5.274	5.260	5.302	VV	194842	2626752	3.98%	0.108%
22	5.328	5.302	5.339	VV	327509	3665719	5.55%	0.150%
23	5.359	5.339	5.383	VV	986697	12142543	18.39%	0.498%
24	5.414	5.383	5.431	VV	285440	4661357	7.06%	0.191%
25	5.448	5.431	5.465	VV	112530	1665258	2.52%	0.068%
26	5.487	5.465	5.503	VV	197555	3188056	4.83%	0.131%
27	5.513	5.503	5.525	VV	139077	1639802	2.48%	0.067%
28	5.531	5.525	5.537	VV	115990	824667	1.25%	0.034%
29	5.558	5.537	5.572	VV	388458	5227500	7.92%	0.214%
30	5.586	5.572	5.603	VV	342553	4485015	6.79%	0.184%
31	5.630	5.603	5.644	VV	231211	4309630	6.53%	0.177%
32	5.649	5.644	5.666	VV	154113	1594823	2.41%	0.065%
33	5.678	5.666	5.685	VV	108693	1103501	1.67%	0.045%
34	5.708	5.685	5.746	VV	1197563	18004405	27.26%	0.739%
35	5.758	5.746	5.765	VV	109763	1141858	1.73%	0.047%
36	5.782	5.765	5.816	VV	172289	3920796	5.94%	0.161%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7

Manual IntegrationsAPPROVED

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rteres

37	5.837	5.816	5.851	VV	115300	1959061	2.97%	0.080%
38	5.896	5.851	5.925	VV	586039	14668818	22	
39	5.936	5.925	5.954	VV	427115	5009680	7	
40	5.972	5.954	5.983	VV	209357	3042196	4	
41	6.004	5.983	6.042	VV	1077040	19654941	29	
42	6.061	6.042	6.087	VV	625461	8447470	12	
43	6.100	6.087	6.111	VV	215404	2534373	3.84%	0.104%
44	6.124	6.111	6.133	VV	233924	2603850	3.94%	0.107%
45	6.144	6.133	6.170	VV	271105	3961153	6.00%	0.163%
46	6.194	6.170	6.212	VV	448355	5749231	8.71%	0.236%
47	6.248	6.212	6.266	VV	517541	9340644	14.14%	0.383%
48	6.277	6.266	6.287	VV	204754	2355569	3.57%	0.097%
49	6.321	6.287	6.356	VV	721060	13415534	20.31%	0.550%
50	6.379	6.356	6.396	VV	419256	6185942	9.37%	0.254%
51	6.430	6.396	6.456	VV	981718	18995057	28.76%	0.779%
52	6.471	6.456	6.478	VV	529499	5484299	8.30%	0.225%
53	6.485	6.478	6.499	VV	537352	6033089	9.14%	0.248%
54	6.514	6.499	6.527	VV	774182	9082912	13.75%	0.373%
55	6.557	6.527	6.583	VV	755566	16834938	25.49%	0.691%
56	6.600	6.583	6.634	VV	520915	11458951	17.35%	0.470%
57	6.665	6.634	6.680	VV	887670	15294709	23.16%	0.627%
58	6.687	6.680	6.706	VV	651280	7579308	11.48%	0.311%
59	6.739	6.706	6.750	VV	588817	11152744	16.89%	0.458%
60	6.759	6.750	6.792	VV	476087	8008851	12.13%	0.329%
61	6.831	6.792	6.847	VV	637677	13414706	20.31%	0.550%
62	6.865	6.847	6.878	VV	480242	7617629	11.54%	0.313%
63	6.896	6.878	6.922	VV	938088	16279756	24.65%	0.668%
64	6.944	6.922	6.963	VV	755733	13050069	19.76%	0.535%
65	6.973	6.963	6.983	VV	402713	4528078	6.86%	0.186%
66	7.000	6.983	7.013	VV	579974	8352301	12.65%	0.343%
67	7.029	7.013	7.048	VV	821118	11221988	16.99%	0.460%
68	7.072	7.048	7.093	VV	735022	12767465	19.33%	0.524%
69	7.108	7.093	7.119	VV	445915	5711405	8.65%	0.234%
70	7.155	7.119	7.178	VV	1171826	21003358	31.80%	0.862%
71	7.194	7.178	7.208	VV	367391	6283576	9.51%	0.258%
72	7.230	7.208	7.249	VV	440546	9497231	14.38%	0.390%
73	7.280	7.249	7.301	VV	765384	18014220	27.28%	0.739%
74	7.320	7.301	7.356	VV	1009710	21892015	33.15%	0.898%
75	7.390	7.356	7.421	VV	900782	24139504	36.55%	0.990%
76	7.436	7.421	7.449	VV	487910	6709512	10.16%	0.275%
77	7.474	7.449	7.506	VV	1474863	31773346	48.11%	1.303%
78	7.530	7.506	7.555	VV	2173625	33600976	50.88%	1.378%
79	7.571	7.555	7.584	VV	509250	7572464	11.47%	0.311%
80	7.595	7.584	7.610	VV	466457	6539002	9.90%	0.268%
81	7.629	7.610	7.645	VV	415521	8126108	12.31%	0.333%
82	7.676	7.645	7.722	VV	1161994	32024335	48.49%	1.314%
83	7.752	7.722	7.768	VV	811347	19306687	29.24%	0.792%
84	7.776	7.768	7.808	VV	764967	13849693	20.97%	0.568%
85	7.830	7.808	7.848	VV	418211	9604352	14.54%	0.394%
86	7.876	7.848	7.904	VV	1234915	26220721	39.70%	1.076%
87	7.923	7.904	7.943	VV	927314	14862338	22.51%	0.610%
88	7.968	7.943	7.974	VV	398177	6882095	10.42%	0.282%
89	8.011	7.974	8.024	VV	1258648	22228943	33.66%	0.912%

Instrument :
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ClientSampleId :
EX-11-TPH-7

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rteres

90	8.032	8.024	8.056	VV	839324	12416594	18.80%	0.509%
91	8.065	8.056	8.078	VV	465211	5814058	8	
92	8.085	8.078	8.094	VV	418660	4130720	6	
93	8.108	8.094	8.115	VV	476220	5533029	8	
94	8.130	8.115	8.149	VV	604418	10341446	15	
95	8.170	8.149	8.187	VV	654940	11899440	18	
96	8.206	8.187	8.236	VV	579519	15524817	23.51%	0.637%
97	8.306	8.236	8.323	VV	873378	34494238	52.23%	1.415%
98	8.336	8.323	8.357	VV	756506	13145722	19.91%	0.539%
99	8.409	8.357	8.447	VV	2565725	66038857	100.00%	2.709%
100	8.459	8.447	8.478	VV	490248	8248438	12.49%	0.338%
101	8.524	8.478	8.537	VV	2499593	52547413	79.57%	2.156%
102	8.554	8.537	8.589	VV	2809121	44597851	67.53%	1.830%
103	8.600	8.589	8.607	VV	586200	5894832	8.93%	0.242%
104	8.624	8.607	8.643	VV	840543	15078690	22.83%	0.619%
105	8.684	8.643	8.708	VV	1653782	41649403	63.07%	1.709%
106	8.714	8.708	8.724	VV	506260	4777213	7.23%	0.196%
107	8.746	8.724	8.764	VV	1175068	18990333	28.76%	0.779%
108	8.790	8.764	8.796	VV	1118109	15670254	23.73%	0.643%
109	8.803	8.796	8.819	VV	1087200	12425355	18.82%	0.510%
110	8.829	8.819	8.844	VV	718242	9531470	14.43%	0.391%
111	8.867	8.844	8.880	VV	651415	12534423	18.98%	0.514%
112	8.895	8.880	8.920	VV	784437	13846164	20.97%	0.568%
113	8.941	8.920	8.959	VV	567912	11754284	17.80%	0.482%
114	8.976	8.959	8.988	VV	638963	10438229	15.81%	0.428%
115	9.000	8.988	9.018	VV	655258	10145841	15.36%	0.416%
116	9.042	9.018	9.073	VV	952777	22675582	34.34%	0.930%
117	9.100	9.073	9.114	VV	967914	19685620	29.81%	0.808%
118	9.125	9.114	9.139	VV	927354	12039383	18.23%	0.494%
119	9.152	9.139	9.168	VV	828767	12082903	18.30%	0.496%
120	9.184	9.168	9.195	VV	646427	9222507	13.97%	0.378%
121	9.238	9.195	9.256	VV	2108085	40268246	60.98%	1.652%
122	9.269	9.256	9.289	VV	1108194	16124986	24.42%	0.662%
123	9.307	9.289	9.322	VV	846989	13135645	19.89%	0.539%
124	9.360	9.322	9.371	VV	1108484	23568060	35.69%	0.967%
125	9.376	9.371	9.389	VV	864516	8794145	13.32%	0.361%
126	9.412	9.389	9.430	VV	1717743	28279306	42.82%	1.160%
127	9.459	9.430	9.473	VV	2301254	34593199	52.38%	1.419%
128	9.479	9.473	9.512	VV	739018	13216408	20.01%	0.542%
129	9.570	9.512	9.585	VV	1778477	37942963	57.46%	1.557%
130	9.603	9.585	9.626	VV	1657732	22887211	34.66%	0.939%
131	9.640	9.626	9.654	VV	507556	7832072	11.86%	0.321%
132	9.709	9.654	9.728	VV	1894082	44796555	67.83%	1.838%
133	9.739	9.728	9.756	VV	598591	9131153	13.83%	0.375%
134	9.781	9.756	9.792	VV	628863	11974899	18.13%	0.491%
135	9.807	9.792	9.830	VV	801107	13364052	20.24%	0.548%
136	9.863	9.830	9.889	VV	1542222	30801779	46.64%	1.264%
137	9.901	9.889	9.915	VV	551892	7742600	11.72%	0.318%
138	9.935	9.915	9.947	VV	800986	12146207	18.39%	0.498%
139	9.961	9.947	9.972	VV	846876	11155647	16.89%	0.458%
140	9.986	9.972	10.010	VV	1057025	18069966	27.36%	0.741%
141	10.022	10.010	10.045	VV	618043	11645735	17.63%	0.478%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7

Manual IntegrationsAPPROVED

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rteres

142	10.062	10.045	10.081	VV	552965	10221977	15.48%	0.419%
143	10.104	10.081	10.124	VV	801228	16877913	25	
144	10.136	10.124	10.145	VV	656104	7779125	11	
145	10.154	10.145	10.171	VV	669854	9226151	13	
146	10.205	10.171	10.248	VV	874949	28371682	42	
147	10.265	10.248	10.277	VV	516012	8174557	12	
148	10.297	10.277	10.329	VV	624810	15185610	22.99%	0.623%
149	10.364	10.329	10.409	VV	761961	22762142	34.47%	0.934%
150	10.415	10.409	10.438	VV	320759	5230860	7.92%	0.215%
151	10.461	10.438	10.476	VV	401444	7899243	11.96%	0.324%
152	10.483	10.476	10.494	VV	336519	3639975	5.51%	0.149%
153	10.521	10.494	10.544	VV	766186	14108757	21.36%	0.579%
154	10.571	10.544	10.600	VV	677787	15388538	23.30%	0.631%
155	10.635	10.600	10.646	VV	754314	15032653	22.76%	0.617%
156	10.661	10.646	10.685	VV	872099	14716198	22.28%	0.604%
157	10.708	10.685	10.749	VV	1085028	20590278	31.18%	0.845%
158	10.781	10.749	10.821	VV	718356	23578840	35.70%	0.967%
159	10.843	10.821	10.868	VV	627837	14036218	21.25%	0.576%
160	10.878	10.868	10.890	VV	432849	5326759	8.07%	0.219%
161	10.914	10.890	10.929	VV	507390	10429782	15.79%	0.428%
162	10.949	10.929	10.966	VV	664957	11474758	17.38%	0.471%
163	10.991	10.966	11.022	VV	875014	19653912	29.76%	0.806%
164	11.052	11.022	11.071	VV	408798	10929706	16.55%	0.448%
165	11.081	11.071	11.097	VV	379872	5222155	7.91%	0.214%
166	11.128	11.097	11.133	VV	351056	6729865	10.19%	0.276%
167	11.147	11.133	11.162	VV	397348	6539146	9.90%	0.268%
168	11.186	11.162	11.237	VV	777766	18733220	28.37%	0.769%
169	11.256	11.237	11.292	VV	368878	9978549	15.11%	0.409%
170	11.313	11.292	11.335	VV	304822	6860696	10.39%	0.281%
171	11.356	11.335	11.374	VV	325576	6747385	10.22%	0.277%
172	11.394	11.374	11.414	VV	349718	6993608	10.59%	0.287%
173	11.450	11.414	11.462	VV	284380	7761931	11.75%	0.318%
174	11.489	11.462	11.510	VV	489297	10751512	16.28%	0.441%
175	11.535	11.510	11.559	VV	440914	10847592	16.43%	0.445%
176	11.577	11.559	11.601	VV	451080	9074213	13.74%	0.372%
177	11.608	11.601	11.637	VV	314749	6221613	9.42%	0.255%
178	11.676	11.637	11.688	VV	380805	10424973	15.79%	0.428%
179	11.708	11.688	11.744	VV	665077	13721235	20.78%	0.563%
180	11.774	11.744	11.796	VV	377163	8786914	13.31%	0.360%
181	11.836	11.796	11.857	VV	555614	12764410	19.33%	0.524%
182	11.872	11.857	11.897	VV	295228	6309520	9.55%	0.259%
183	11.916	11.897	11.926	VV	241016	3917310	5.93%	0.161%
184	11.949	11.926	11.965	VV	678178	10236123	15.50%	0.420%
185	11.988	11.965	12.002	VV	624240	10566998	16.00%	0.434%
186	12.020	12.002	12.048	VV	766103	11579877	17.53%	0.475%
187	12.080	12.048	12.110	VV	293405	8666658	13.12%	0.356%
188	12.133	12.110	12.149	VV	491367	8275731	12.53%	0.340%
189	12.166	12.149	12.210	VV	496838	11130834	16.85%	0.457%
190	12.230	12.210	12.248	VV	230516	4689143	7.10%	0.192%
191	12.273	12.248	12.299	VV	287678	7368163	11.16%	0.302%
192	12.320	12.299	12.339	VV	290921	5754482	8.71%	0.236%
193	12.352	12.339	12.369	VV	209963	3676764	5.57%	0.151%
194	12.384	12.369	12.404	VV	253530	4508544	6.83%	0.185%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

195	12.418	12.404	12.432	VV	201473	3264993	4.94%	0.134%
196	12.449	12.432	12.463	VV	186207	3340611	5	
197	12.483	12.463	12.497	VV	282447	4575990	6	
198	12.518	12.497	12.567	VV	312787	9577938	14	
199	12.596	12.567	12.613	VV	222958	4748338	7	
200	12.630	12.613	12.644	VV	211937	3415870	5	
201	12.660	12.644	12.689	VV	200042	4880884	7.39%	0.200%
202	12.703	12.689	12.709	VV	198565	2309479	3.50%	0.095%
203	12.724	12.709	12.748	VV	232557	4499008	6.81%	0.185%
204	12.772	12.748	12.813	VV	360824	9229128	13.98%	0.379%
205	12.848	12.813	12.860	VV	187838	4454228	6.74%	0.183%
206	12.884	12.860	12.903	VV	463528	7929457	12.01%	0.325%
207	12.918	12.903	12.934	VV	284279	4452815	6.74%	0.183%
208	12.945	12.934	12.972	VV	238986	4066978	6.16%	0.167%
209	12.995	12.972	13.042	VV	228827	6558837	9.93%	0.269%
210	13.048	13.042	13.060	VV	101805	1086533	1.65%	0.045%
211	13.073	13.060	13.079	VV	103180	1133542	1.72%	0.047%
212	13.120	13.079	13.167	VV	157763	6297947	9.54%	0.258%
213	13.186	13.167	13.203	VV	126342	2359555	3.57%	0.097%
214	13.209	13.203	13.222	VV	103358	1165275	1.76%	0.048%
215	13.243	13.222	13.267	VV	124605	2831629	4.29%	0.116%
216	13.291	13.267	13.336	VV	163266	4577884	6.93%	0.188%
217	13.374	13.336	13.408	VV	157419	4949131	7.49%	0.203%
218	13.428	13.408	13.452	VV	126329	2906320	4.40%	0.119%
219	13.466	13.452	13.487	VV	105639	2056152	3.11%	0.084%
220	13.500	13.487	13.523	VV	95414	1732115	2.62%	0.071%
221	13.575	13.523	13.604	VV	129659	4409354	6.68%	0.181%
222	13.623	13.604	13.666	VV	158318	3569130	5.40%	0.146%
223	13.687	13.666	13.701	VV	103313	1653358	2.50%	0.068%
224	13.720	13.701	13.741	VV	102872	2002507	3.03%	0.082%
225	13.763	13.741	13.780	VV	89368	1669235	2.53%	0.068%
226	13.795	13.780	13.827	VV	69394	1749487	2.65%	0.072%
227	13.841	13.827	13.856	VV	63047	1014482	1.54%	0.042%
228	13.878	13.856	13.904	VV	73451	1759229	2.66%	0.072%
229	13.922	13.904	13.941	VV	50896	1020665	1.55%	0.042%
230	13.951	13.941	13.962	VV	40267	499317	0.76%	0.020%
231	13.990	13.962	14.007	VV	52135	1182943	1.79%	0.049%
232	14.029	14.007	14.046	VV	64769	1297778	1.97%	0.053%
233	14.065	14.046	14.097	VV	59765	1551581	2.35%	0.064%
234	14.104	14.097	14.125	VV	38691	592824	0.90%	0.024%
235	14.155	14.125	14.181	VV	64646	1629265	2.47%	0.067%
236	14.197	14.181	14.219	VV	50475	939795	1.42%	0.039%
237	14.238	14.219	14.311	VV	35691	1589841	2.41%	0.065%
238	14.333	14.311	14.379	VV	31601	1086800	1.65%	0.045%
239	14.387	14.379	14.409	VV	21675	370897	0.56%	0.015%
240	14.438	14.409	14.457	VV	25872	653622	0.99%	0.027%
241	14.469	14.457	14.474	VV	20232	194719	0.29%	0.008%
242	14.495	14.474	14.519	VV	35381	694719	1.05%	0.029%
243	14.529	14.519	14.545	VV	18535	283944	0.43%	0.012%
244	14.593	14.545	14.664	VV	25198	1389107	2.10%	0.057%
245	14.701	14.664	14.706	VV	23194	469168	0.71%	0.019%
246	14.715	14.706	14.769	VV	23431	699692	1.06%	0.029%

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247	14.820	14.769	14.839	VV	23329	772356	1.17%	0.032%
248	14.857	14.839	14.875	VV	20459	351422		
249	14.892	14.875	14.923	VV	15619	359749		
250	14.945	14.923	14.958	VV	10734	210889		
251	14.979	14.958	15.002	VV	17158	343688		
252	15.018	15.002	15.041	VV	13277	250980		
253	15.052	15.041	15.097	VV	8735	246311	0.37%	0.010%
254	15.118	15.097	15.124	VV	7755	116547	0.18%	0.005%
255	15.128	15.124	15.140	VV	7377	68328	0.10%	0.003%
256	15.171	15.140	15.193	VV	10407	253357	0.38%	0.010%
257	15.212	15.193	15.243	VV	10562	236599	0.36%	0.010%
258	15.255	15.243	15.285	VV	8239	167992	0.25%	0.007%
259	15.291	15.285	15.294	VV	5233	25912	0.04%	0.001%
260	15.317	15.294	15.337	VV	10300	210123	0.32%	0.009%
261	15.376	15.337	15.401	VV	9679	319312	0.48%	0.013%
262	15.410	15.401	15.441	VV	6735	129738	0.20%	0.005%
263	15.475	15.441	15.518	VV	11307	308127	0.47%	0.013%
264	15.521	15.518	15.532	VV	3645	27707	0.04%	0.001%
265	15.544	15.532	15.552	VV	3560	38326	0.06%	0.002%
266	15.564	15.552	15.573	VV	3646	43123	0.07%	0.002%
267	15.610	15.573	15.669	VV	15694	469655	0.71%	0.019%
268	15.683	15.669	15.707	VV	6095	85932	0.13%	0.004%
269	15.741	15.707	15.746	VV	3389	55780	0.08%	0.002%
270	15.765	15.746	15.783	VV	6411	100188	0.15%	0.004%
271	15.797	15.783	15.819	VV	4235	69734	0.11%	0.003%
272	15.845	15.819	15.867	VV	12158	196314	0.30%	0.008%
273	15.883	15.867	15.916	VV	7048	115406	0.17%	0.005%
274	15.933	15.916	15.938	VV	2611	24626	0.04%	0.001%
275	15.960	15.938	15.976	VV	4786	83016	0.13%	0.003%
276	16.005	15.976	16.037	VV	6804	178854	0.27%	0.007%
277	16.043	16.037	16.054	VV	3134	29144	0.04%	0.001%
278	16.060	16.054	16.062	VV	2793	12966	0.02%	0.001%
279	16.076	16.062	16.099	VV	4246	63627	0.10%	0.003%
280	16.109	16.099	16.115	VV	2570	20168	0.03%	0.001%
281	16.134	16.115	16.154	VV	3359	68159	0.10%	0.003%
282	16.164	16.154	16.171	VV	2997	26466	0.04%	0.001%
283	16.175	16.171	16.187	VV	3160	26711	0.04%	0.001%
284	16.201	16.187	16.230	VV	4037	79649	0.12%	0.003%
285	16.237	16.230	16.244	VV	3147	23413	0.04%	0.001%
286	16.276	16.244	16.303	VV	4256	112652	0.17%	0.005%
287	16.319	16.303	16.328	VV	2569	33693	0.05%	0.001%
288	16.348	16.328	16.370	VV	3764	62523	0.09%	0.003%
289	16.375	16.370	16.396	VV	1803	15354	0.02%	0.001%
290	16.444	16.396	16.471	PV	7178	160040	0.24%	0.007%
291	16.485	16.471	16.511	VV	3835	70931	0.11%	0.003%
292	16.549	16.511	16.574	VV	5218	134050	0.20%	0.005%
293	16.594	16.574	16.614	VV	3460	64774	0.10%	0.003%
294	16.651	16.614	16.681	VV	6727	153989	0.23%	0.006%
295	16.737	16.681	16.762	VV	7493	160348	0.24%	0.007%
296	16.773	16.762	16.796	VV	2060	30392	0.05%	0.001%
297	16.806	16.796	16.812	VV	1656	11656	0.02%	0.000%
298	16.827	16.812	16.841	VV	2268	31861	0.05%	0.001%
299	16.872	16.841	16.892	VV	3880	81180	0.12%	0.003%

Instrument :
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Manual IntegrationsAPPROVED

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rteres

300	16.910	16.892	16.918	VV	2682	32464	0.05%	0.001%
301	16.922	16.918	16.935	VV	2451	22778		
302	16.957	16.935	16.984	VV	2758	57746		
303	17.021	16.984	17.027	VV	3613	64723		
304	17.032	17.027	17.042	VV	3639	30314		
305	17.058	17.042	17.098	VV	6057	113378		
306	17.120	17.098	17.142	VV	3688	69472	0.11%	0.003%
307	17.166	17.142	17.186	VV	3217	64350	0.10%	0.003%
308	17.203	17.186	17.230	VV	3890	87031	0.13%	0.004%
309	17.252	17.230	17.283	VV	4909	103054	0.16%	0.004%
310	17.293	17.283	17.309	VV	2427	28664	0.04%	0.001%
311	17.325	17.309	17.337	VV	1887	26033	0.04%	0.001%
312	17.357	17.337	17.382	VV	2207	39597	0.06%	0.002%
313	17.399	17.382	17.415	VV	1660	21954	0.03%	0.001%
314	17.447	17.415	17.464	VV	3090	60143	0.09%	0.002%
315	17.480	17.464	17.503	VV	2452	44479	0.07%	0.002%
316	17.515	17.503	17.541	VV	2893	42779	0.06%	0.002%
317	17.554	17.541	17.579	VV	1883	32700	0.05%	0.001%
318	17.611	17.579	17.627	VV	5175	92236	0.14%	0.004%
319	17.642	17.627	17.677	VV	4172	76193	0.12%	0.003%
320	17.702	17.677	17.708	VV	2270	26765	0.04%	0.001%
321	17.713	17.708	17.724	VV	1924	16230	0.02%	0.001%
322	17.729	17.724	17.747	VV	1894	23236	0.04%	0.001%
323	17.756	17.747	17.760	VV	1917	13232	0.02%	0.001%
324	17.779	17.760	17.807	VV	2970	48156	0.07%	0.002%
325	17.826	17.807	17.859	VV	3744	56510	0.09%	0.002%
326	17.878	17.859	17.886	VV	1237	13637	0.02%	0.001%
327	17.891	17.886	17.919	VV	1491	14093	0.02%	0.001%
328	17.927	17.919	17.946	VV	854	8692	0.01%	0.000%
329	17.963	17.946	17.968	VV	1121	9855	0.01%	0.000%
330	17.977	17.968	17.984	VV	1533	9376	0.01%	0.000%
331	18.002	17.984	18.013	VV	1531	19501	0.03%	0.001%
332	18.029	18.013	18.051	VV	1247	20419	0.03%	0.001%
333	18.068	18.051	18.072	VV	1872	18087	0.03%	0.001%
334	18.092	18.072	18.114	VV	3808	58361	0.09%	0.002%
335	18.154	18.114	18.170	VV	2315	50627	0.08%	0.002%
336	18.180	18.170	18.197	VV	2121	22982	0.03%	0.001%
337	18.233	18.197	18.255	VV	2488	50470	0.08%	0.002%
338	18.276	18.255	18.306	VV	3253	55419	0.08%	0.002%
339	18.333	18.306	18.357	VV	2806	50259	0.08%	0.002%
340	18.369	18.357	18.400	VV	2142	40455	0.06%	0.002%
341	18.454	18.400	18.477	VV	4856	114063	0.17%	0.005%
342	18.493	18.477	18.501	VV	3314	40086	0.06%	0.002%
343	18.504	18.501	18.549	VV	3085	44162	0.07%	0.002%
344	18.558	18.549	18.586	VV	1754	19793	0.03%	0.001%
345	18.611	18.586	18.637	PV	2748	45542	0.07%	0.002%
346	18.661	18.637	18.675	VV	1873	25852	0.04%	0.001%
347	18.695	18.675	18.711	VV	1417	21656	0.03%	0.001%
348	18.715	18.711	18.721	VV	872	4198	0.01%	0.000%
349	18.739	18.721	18.765	VV	3387	54643	0.08%	0.002%
350	18.774	18.765	18.794	VV	1595	13682	0.02%	0.001%

Sum of corrected areas: 2437592811

rteres

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7

Aromatic EPH 020525.M Fri Feb 07 13:13:46 2025

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-7DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-06DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FE052300.D	50	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	674		22.4	58.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1640	E	14.1	39.2	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	428		17.7	58.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	24.8	J	47.1	78.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	105	U	105	117	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.69		40 - 140	69%	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:	Q1308-06DL	Acq On:	07 Feb 2025 20:56
Client Sample ID:	EX-11-TPH-7DL	Operator:	YP\AJ
Data file:	FE052300.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	16541785	171.98	300	ug/ml
Aliphatic C12-C16	7.236	10.639	43673466	417.073	200	ug/ml
Aliphatic C16-C21	10.640	13.984	12328355	109.079	300	ug/ml
Aliphatic C21-C28	13.985	17.628	721395	6.328	400	ug/ml
Aliphatic C28-C40	17.629	22.712	172816	1.888	600	ug/ml
Aliphatic EPH	3.679	22.712	73437817	706.348		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.715	13.715	68583	0.69		ug/ml
Aliphatic C9-C28	3.679	17.628	73265001	704.46	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052300.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 20:56
Operator : YP\AJ
Sample : Q1308-06DL 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:27:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-7DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.715	68583	0.695 ug/mlm
Spiked Amount 50.000		Recovery =	1.39%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052300.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 20:56
Operator : YP\AJ
Sample : Q1308-06DL 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

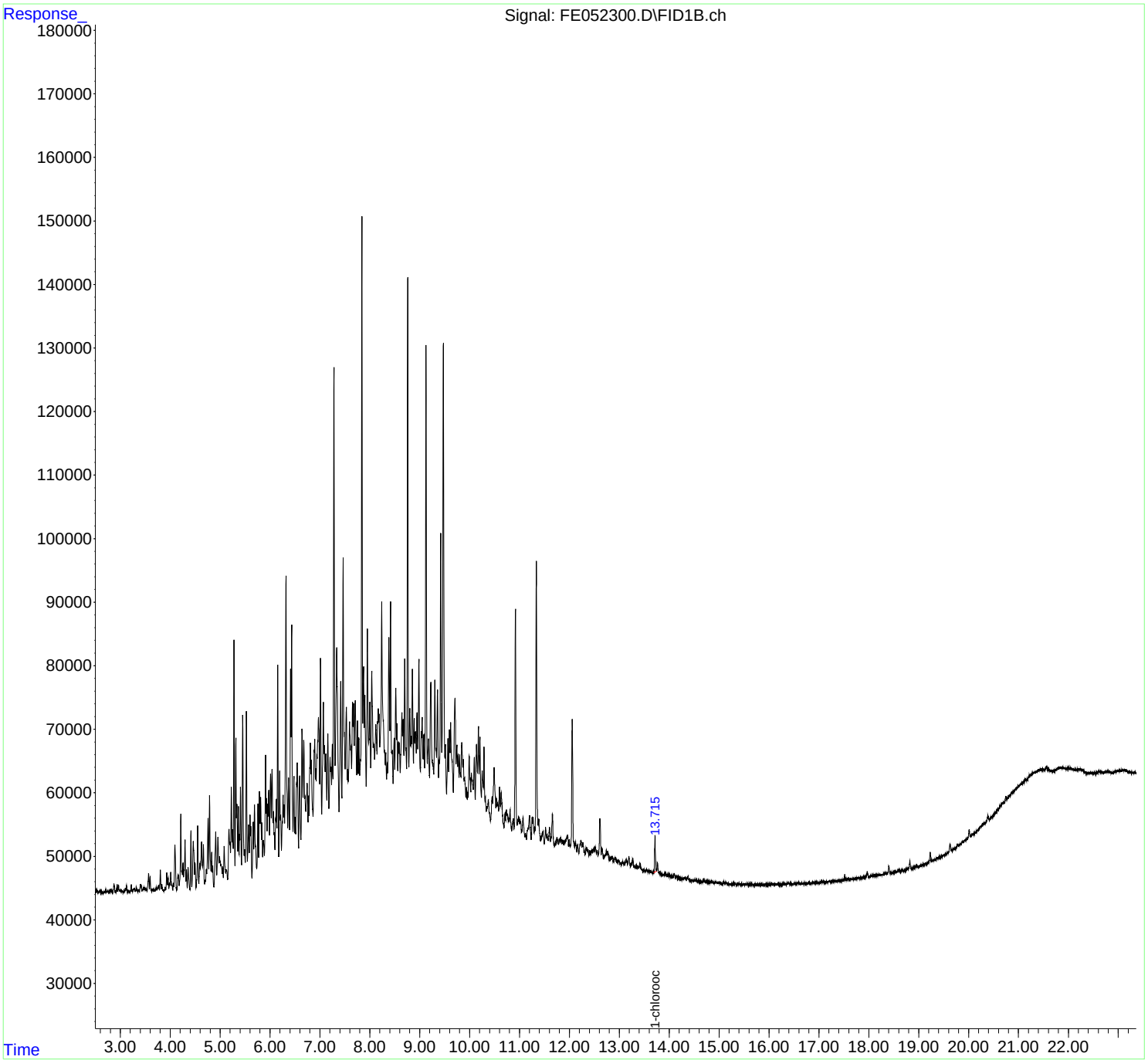
Integration File: autoint1.e
Quant Time: Feb 08 02:27:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

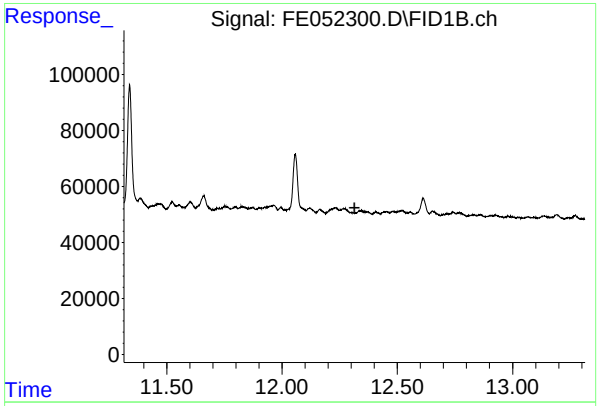
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
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ClientSampleId :
EX-11-TPH-7DL

Manual Integrations APPROVED

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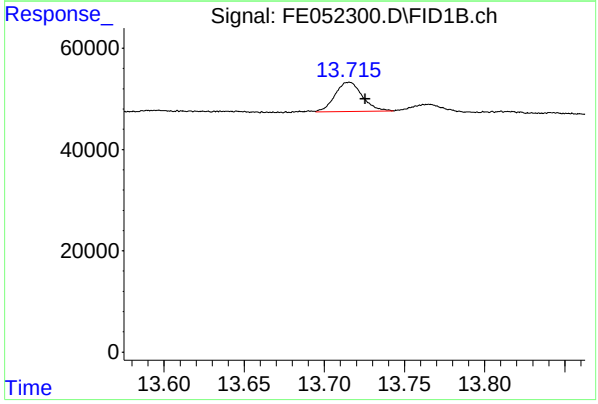
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7DL

Manual Integrations
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Reviewed By :Yogesh Patel 02/10/2025
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#12 1-chlorooctadecane (SURR)

R.T.: 13.715 min
Delta R.T.: -0.010 min
Response: 68583
Conc: 0.69 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052300.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 20:56
Sample : Q1308-06DL 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.219	3.205	3.236	PV	969	8085	0.50%	0.011%
2	3.281	3.236	3.303	PV	390	7067	0.44%	0.010%
3	3.320	3.303	3.351	VV	700	6976	0.43%	0.009%
4	3.369	3.351	3.383	VV	198	2200	0.14%	0.003%
5	3.405	3.383	3.445	PV	985	20506	1.27%	0.028%
6	3.459	3.445	3.475	VV	481	6565	0.41%	0.009%
7	3.483	3.475	3.506	VV	570	8034	0.50%	0.011%
8	3.518	3.506	3.535	VV	479	5286	0.33%	0.007%
9	3.567	3.535	3.583	VV	2820	37644	2.32%	0.051%
10	3.597	3.583	3.618	VV	2245	23413	1.45%	0.032%
11	3.629	3.618	3.637	VV	292	2522	0.16%	0.003%
12	3.650	3.637	3.694	VV	353	6307	0.39%	0.009%
13	3.718	3.694	3.733	VV	653	7353	0.45%	0.010%
14	3.770	3.733	3.784	VV	987	17702	1.09%	0.024%
15	3.803	3.784	3.821	VV	3247	34983	2.16%	0.047%
16	3.834	3.821	3.878	VV	1038	13346	0.82%	0.018%
17	3.897	3.878	3.911	VV	560	6256	0.39%	0.008%
18	3.931	3.911	3.946	VV	2897	34340	2.12%	0.047%
19	3.958	3.946	3.973	VV	2049	21577	1.33%	0.029%
20	3.986	3.973	3.993	VV	1329	11748	0.73%	0.016%
21	4.010	3.993	4.051	VV	2953	48980	3.02%	0.066%
22	4.065	4.051	4.073	VV	1199	10662	0.66%	0.014%
23	4.095	4.073	4.131	VV	7196	106733	6.59%	0.145%
24	4.160	4.131	4.181	VV	2594	47464	2.93%	0.064%
25	4.212	4.181	4.243	VV	12051	169554	10.47%	0.230%
26	4.256	4.243	4.269	VV	4457	52780	3.26%	0.072%
27	4.298	4.269	4.314	VV	8058	115220	7.11%	0.156%
28	4.326	4.314	4.341	VV	3315	34369	2.12%	0.047%
29	4.359	4.341	4.393	VV	3696	56419	3.48%	0.077%
30	4.415	4.393	4.434	VV	9454	90976	5.62%	0.123%
31	4.462	4.434	4.488	VV	7712	150080	9.26%	0.204%
32	4.498	4.488	4.519	VV	4401	50122	3.09%	0.068%
33	4.551	4.519	4.573	VV	10276	128908	7.96%	0.175%
34	4.593	4.573	4.603	VV	4269	57133	3.53%	0.077%
35	4.666	4.650	4.687	VV	7225	96235	5.94%	0.131%
36	4.723	4.687	4.731	VV	3298	54386	3.36%	0.074%

Instrument :
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EX-11-TPH-7DL

Manual IntegrationsAPPROVED

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rteres

37	4.758	4.731	4.772	VV	11337	160933	9.93%	0.218%
38	4.789	4.772	4.817	VV	14960	206476	12	
39	4.831	4.817	4.875	VV	6102	112886	6	
40	4.912	4.875	4.933	VV	9222	164447	10	
41	4.957	4.933	4.977	VV	8442	149208	9	
42	4.989	4.977	5.042	VV	5378	164623	10	
43	5.052	5.042	5.064	VV	3823	41808	2.58%	0.057%
44	5.082	5.064	5.114	VV	6958	127268	7.86%	0.173%
45	5.130	5.114	5.151	VV	3273	61655	3.81%	0.084%
46	5.178	5.151	5.209	VV	9562	228535	14.11%	0.310%
47	5.225	5.209	5.261	VV	16217	309119	19.08%	0.419%
48	5.316	5.298	5.330	VV	24049	272189	16.80%	0.369%
49	5.337	5.330	5.354	VV	13559	158393	9.78%	0.215%
50	5.367	5.354	5.380	VV	13176	146632	9.05%	0.199%
51	5.409	5.380	5.430	VV	16170	275495	17.01%	0.374%
52	5.491	5.482	5.503	VV	6474	73010	4.51%	0.099%
53	5.569	5.548	5.586	VV	10301	175127	10.81%	0.238%
54	5.601	5.586	5.638	VV	11788	242039	14.94%	0.328%
55	5.662	5.638	5.674	VV	10720	142301	8.78%	0.193%
56	5.758	5.734	5.772	VV	13618	178252	11.00%	0.242%
57	5.813	5.801	5.829	VV	14571	198743	12.27%	0.270%
58	5.838	5.829	5.852	VV	10551	117340	7.24%	0.159%
59	5.868	5.852	5.888	VV	7811	146375	9.04%	0.199%
60	5.912	5.888	5.942	VV	21211	424085	26.18%	0.575%
61	6.011	5.990	6.025	VV	18367	293213	18.10%	0.398%
62	6.041	6.025	6.098	VV	18975	534828	33.01%	0.725%
63	6.127	6.098	6.138	VV	14303	260169	16.06%	0.353%
64	6.194	6.176	6.230	VV	18619	368936	22.77%	0.500%
65	6.372	6.355	6.392	VV	17597	293055	18.09%	0.397%
66	6.434	6.392	6.462	VV	41691	970477	59.90%	1.316%
67	6.480	6.462	6.495	VV	17885	255506	15.77%	0.347%
68	6.503	6.495	6.514	VV	11410	118547	7.32%	0.161%
69	6.546	6.514	6.573	VV	19993	511511	31.57%	0.694%
70	6.594	6.573	6.620	VV	17942	354744	21.90%	0.481%
71	6.642	6.620	6.661	VV	25300	432403	26.69%	0.586%
72	6.678	6.661	6.716	VV	23428	569148	35.13%	0.772%
73	6.746	6.716	6.762	VV	16743	387354	23.91%	0.525%
74	6.811	6.762	6.822	VV	23023	603732	37.27%	0.819%
75	6.830	6.822	6.865	VV	20470	393255	24.27%	0.533%
76	6.897	6.865	6.927	VV	23680	704102	43.46%	0.955%
77	6.971	6.927	6.995	VV	27105	912848	56.35%	1.238%
78	7.013	6.995	7.037	VV	36350	597141	36.86%	0.810%
79	7.070	7.037	7.105	VV	29375	865792	53.44%	1.174%
80	7.118	7.105	7.139	VV	21333	384625	23.74%	0.522%
81	7.160	7.139	7.182	VV	24403	469857	29.00%	0.637%
82	7.205	7.182	7.235	VV	20572	566277	34.95%	0.768%
83	7.249	7.235	7.261	VV	22797	317091	19.57%	0.430%
84	7.282	7.261	7.305	VV	82169	1098703	67.82%	1.490%
85	7.337	7.305	7.385	VV	37901	1223100	75.50%	1.659%
86	7.418	7.385	7.441	VV	32704	729590	45.04%	0.990%
87	7.466	7.441	7.507	VV	51849	1124937	69.44%	1.526%
88	7.596	7.569	7.636	VV	26285	882208	54.46%	1.197%
89	7.655	7.636	7.665	VV	29402	448198	27.67%	0.608%

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EX-11-TPH-7DL

rteres

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90	7.675	7.665	7.689	VV	29139	376214	23.22%	0.510%
91	7.709	7.689	7.739	VV	29604	740371	45	
92	7.755	7.739	7.769	VV	26506	400750	24	
93	7.782	7.769	7.799	VV	23992	372726	23	
94	7.875	7.860	7.891	VV	34626	556350	34	
95	7.900	7.891	7.929	VV	30351	554733	34	
96	7.952	7.929	7.978	VV	40984	834825	51.53%	1.132%
97	8.000	7.978	8.019	VV	29388	611299	37.73%	0.829%
98	8.041	8.019	8.071	VV	33909	831841	51.35%	1.128%
99	8.080	8.071	8.096	VV	22832	334566	20.65%	0.454%
100	8.121	8.096	8.144	VV	25725	663053	40.93%	0.899%
101	8.171	8.144	8.202	VV	28398	894904	55.24%	1.214%
102	8.322	8.311	8.338	VV	21405	308923	19.07%	0.419%
103	8.384	8.338	8.402	VV	39377	1006829	62.15%	1.366%
104	8.417	8.402	8.468	VV	45046	1049946	64.81%	1.424%
105	8.489	8.468	8.502	VV	23651	426056	26.30%	0.578%
106	8.522	8.502	8.561	VV	31365	880908	54.38%	1.195%
107	8.576	8.561	8.585	VV	23070	311181	19.21%	0.422%
108	8.594	8.585	8.610	VV	22957	314945	19.44%	0.427%
109	8.645	8.610	8.658	VV	27765	671586	41.45%	0.911%
110	8.670	8.658	8.684	VV	26745	377470	23.30%	0.512%
111	8.701	8.684	8.738	VV	36184	835534	51.57%	1.133%
112	8.761	8.738	8.784	VV	96740	1287096	79.45%	1.746%
113	8.803	8.784	8.822	VV	28291	549459	33.92%	0.745%
114	8.890	8.876	8.902	VV	26701	378066	23.34%	0.513%
115	8.914	8.902	8.932	VV	24438	420242	25.94%	0.570%
116	8.946	8.932	8.963	VV	27468	448580	27.69%	0.608%
117	8.986	8.963	9.015	VV	36083	798361	49.28%	1.083%
118	9.051	9.015	9.069	VV	26941	753538	46.51%	1.022%
119	9.082	9.069	9.099	VV	24213	400613	24.73%	0.543%
120	9.128	9.099	9.154	VV	85393	1348964	83.27%	1.830%
121	9.174	9.154	9.197	VV	23468	549242	33.90%	0.745%
122	9.224	9.197	9.281	VV	32375	1168665	72.14%	1.585%
123	9.305	9.281	9.338	VV	32893	805707	49.73%	1.093%
124	9.358	9.338	9.379	VV	31291	616118	38.03%	0.836%
125	9.423	9.379	9.444	VV	55901	1139479	70.34%	1.545%
126	9.475	9.444	9.506	VV	85904	1620049	100.00%	2.197%
127	9.516	9.506	9.538	VV	22493	380462	23.48%	0.516%
128	9.567	9.538	9.581	VV	23508	497983	30.74%	0.675%
129	9.597	9.581	9.608	VV	24731	359636	22.20%	0.488%
130	9.621	9.608	9.674	VV	26023	827297	51.07%	1.122%
131	9.707	9.674	9.731	VV	29891	800927	49.44%	1.086%
132	9.746	9.731	9.789	VV	22339	705818	43.57%	0.957%
133	9.801	9.789	9.828	VV	20933	438546	27.07%	0.595%
134	9.844	9.828	9.865	VV	22841	458545	28.30%	0.622%
135	9.874	9.865	9.925	VV	20186	631532	38.98%	0.857%
136	9.937	9.925	9.951	VV	15897	235828	14.56%	0.320%
137	9.962	9.951	9.971	VV	14997	177318	10.95%	0.240%
138	9.993	9.971	10.025	VV	20589	561386	34.65%	0.761%
139	10.039	10.025	10.073	VV	18017	483597	29.85%	0.656%
140	10.096	10.073	10.114	VV	20615	432202	26.68%	0.586%
141	10.139	10.114	10.160	VV	22599	524455	32.37%	0.711%

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142	10.179	10.160	10.194	VV	25374	435261	26.87%	0.590%
143	10.208	10.194	10.237	VV	23732	487147	30	
144	10.255	10.237	10.275	VV	18251	382524	23	
145	10.291	10.275	10.342	VV	22184	625185	38	
146	10.376	10.342	10.419	VV	13870	571675	35	
147	10.451	10.419	10.463	VV	14296	329241	20	
148	10.494	10.463	10.527	VV	18807	603958	37.28%	0.819%
149	10.538	10.527	10.551	VV	13977	195435	12.06%	0.265%
150	10.565	10.551	10.582	VV	13386	242310	14.96%	0.329%
151	10.602	10.582	10.618	VV	15844	296878	18.33%	0.403%
152	10.634	10.618	10.689	VV	14981	525304	32.43%	0.712%
153	10.710	10.689	10.722	VV	11800	213259	13.16%	0.289%
154	10.740	10.722	10.781	VV	12213	402391	24.84%	0.546%
155	10.875	10.842	10.891	VV	10785	294064	18.15%	0.399%
156	10.920	10.891	10.954	VV	44006	795126	49.08%	1.078%
157	10.985	10.954	11.000	VV	11064	291173	17.97%	0.395%
158	11.011	11.000	11.042	VV	10721	252457	15.58%	0.342%
159	11.120	11.108	11.140	VV	8468	156571	9.66%	0.212%
160	11.202	11.140	11.234	VV	11292	529244	32.67%	0.718%
161	11.255	11.234	11.265	VV	11065	176879	10.92%	0.240%
162	11.274	11.265	11.292	VV	10959	165505	10.22%	0.224%
163	11.339	11.292	11.373	VV	50942	967353	59.71%	1.312%
164	11.387	11.373	11.421	VV	10782	266738	16.46%	0.362%
165	11.474	11.421	11.498	VV	8685	369269	22.79%	0.501%
166	11.524	11.498	11.542	VV	9468	218775	13.50%	0.297%
167	11.554	11.542	11.577	VV	8337	162193	10.01%	0.220%
168	11.603	11.577	11.624	VV	9342	237063	14.63%	0.322%
169	11.660	11.624	11.704	VV	11496	402603	24.85%	0.546%
170	11.754	11.704	11.778	VV	7765	319079	19.70%	0.433%
171	11.797	11.778	11.810	VV	7535	138051	8.52%	0.187%
172	11.825	11.810	11.851	VV	7629	180692	11.15%	0.245%
173	11.874	11.851	11.887	VV	7388	152503	9.41%	0.207%
174	11.964	11.911	11.983	VV	8179	320488	19.78%	0.435%
175	11.995	11.983	12.018	VV	7390	144448	8.92%	0.196%
176	12.058	12.018	12.104	VV	26416	602518	37.19%	0.817%
177	12.120	12.104	12.148	VV	7109	170027	10.50%	0.231%
178	12.165	12.148	12.191	VV	6659	155913	9.62%	0.211%
179	12.230	12.191	12.255	VV	7214	249228	15.38%	0.338%
180	12.268	12.255	12.316	VV	6927	226002	13.95%	0.307%
181	12.339	12.316	12.390	VV	6104	249690	15.41%	0.339%
182	12.407	12.390	12.426	VV	5567	118064	7.29%	0.160%
183	12.452	12.426	12.466	VV	5780	130990	8.09%	0.178%
184	12.482	12.466	12.493	VV	5937	92702	5.72%	0.126%
185	12.520	12.493	12.542	VV	6138	173822	10.73%	0.236%
186	12.556	12.542	12.575	VV	5664	104482	6.45%	0.142%
187	12.612	12.575	12.639	VV	10673	274224	16.93%	0.372%
188	12.652	12.639	12.686	VV	6079	151820	9.37%	0.206%
189	12.741	12.686	12.755	VV	5587	208086	12.84%	0.282%
190	12.769	12.755	12.802	VV	5468	139442	8.61%	0.189%
191	12.831	12.802	12.846	VV	4624	115627	7.14%	0.157%
192	12.860	12.846	12.882	VV	4706	95227	5.88%	0.129%
193	12.906	12.882	12.915	VV	4436	84174	5.20%	0.114%
194	12.926	12.915	12.965	VV	4481	123979	7.65%	0.168%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

195	12.979	12.965	13.014	VV	4095	115710	7.14%	0.157%
196	13.024	13.014	13.046	VV	3729	70473		
197	13.067	13.046	13.085	VV	3964	84897		
198	13.092	13.085	13.110	VV	3697	55693		
199	13.135	13.110	13.171	VV	4262	141414		
200	13.192	13.171	13.228	VV	4720	132315		
201	13.271	13.228	13.295	VV	4386	148401	9.16%	0.201%
202	13.303	13.295	13.318	VV	3304	43315	2.67%	0.059%
203	13.334	13.318	13.358	VV	3253	73425	4.53%	0.100%
204	13.373	13.358	13.395	VV	3177	67530	4.17%	0.092%
205	13.415	13.395	13.477	VV	3651	142780	8.81%	0.194%
206	13.489	13.477	13.526	VV	2625	74440	4.59%	0.101%
207	13.553	13.526	13.581	VV	2638	80835	4.99%	0.110%
208	13.594	13.581	13.631	VV	2449	69738	4.30%	0.095%
209	13.638	13.631	13.678	VV	2252	60365	3.73%	0.082%
210	13.715	13.678	13.744	VV	8016	157112	9.70%	0.213%
211	13.764	13.744	13.796	VV	3634	87344	5.39%	0.118%
212	13.813	13.796	13.863	VV	2199	79519	4.91%	0.108%
213	13.875	13.863	13.891	VV	1802	30229	1.87%	0.041%
214	13.926	13.891	13.964	VV	2073	80961	5.00%	0.110%
215	13.979	13.964	14.032	VV	1849	67030	4.14%	0.091%
216	14.047	14.032	14.068	VV	1561	31647	1.95%	0.043%
217	14.103	14.068	14.127	VV	1895	55748	3.44%	0.076%
218	14.148	14.127	14.173	VV	1556	38279	2.36%	0.052%
219	14.193	14.173	14.268	VV	1407	68899	4.25%	0.093%
220	14.313	14.268	14.344	VV	1360	53091	3.28%	0.072%
221	14.374	14.344	14.434	VV	1385	57585	3.55%	0.078%
222	14.456	14.434	14.481	VV	989	24375	1.50%	0.033%
223	14.500	14.481	14.518	VV	903	18123	1.12%	0.025%
224	14.545	14.518	14.581	VV	891	30210	1.86%	0.041%
225	14.607	14.581	14.637	VV	813	23639	1.46%	0.032%
226	14.697	14.637	14.731	VV	953	39596	2.44%	0.054%
227	14.760	14.731	14.809	VV	729	27520	1.70%	0.037%
228	14.856	14.809	14.889	VV	627	25988	1.60%	0.035%
229	14.901	14.889	14.919	VV	468	8236	0.51%	0.011%
230	14.935	14.919	14.963	VV	529	12488	0.77%	0.017%
231	14.998	14.963	15.073	VV	501	24756	1.53%	0.034%
232	15.091	15.073	15.125	VV	493	12856	0.79%	0.017%
233	15.145	15.125	15.199	VV	463	15356	0.95%	0.021%
234	15.261	15.199	15.286	VV	261	10589	0.65%	0.014%
235	15.305	15.286	15.353	VV	330	8496	0.52%	0.012%
236	15.374	15.353	15.389	VV	268	3847	0.24%	0.005%
237	15.399	15.389	15.438	VV	241	4916	0.30%	0.007%
238	15.444	15.438	15.462	VV	140	1958	0.12%	0.003%
239	15.467	15.462	15.477	VV	136	1078	0.07%	0.001%
240	15.519	15.477	15.539	VV	212	5198	0.32%	0.007%
241	15.558	15.539	15.585	VV	273	4880	0.30%	0.007%
242	15.591	15.585	15.601	VV	162	1376	0.08%	0.002%
243	15.619	15.601	15.641	VV	145	2900	0.18%	0.004%
244	15.660	15.641	15.686	VV	132	2286	0.14%	0.003%
245	15.695	15.686	15.747	VV	120	2506	0.15%	0.003%
246	15.821	15.747	15.884	PV	122	4304	0.27%	0.006%

Instrument :
FID_E
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EX-11-TPH-7DL

Manual IntegrationsAPPROVED

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					rteres			
247	15.915	15.884	15.929	PV	106	1897	0.12%	0.003%
248	15.961	15.929	15.984	VV	170	2582		
249	15.996	15.984	16.011	VV	131	1248		
250	16.031	16.011	16.061	VV	131	2330		
251	16.079	16.061	16.101	VV	203	3532		
252	16.106	16.101	16.155	VV	213	3572		
253	16.175	16.155	16.221	VV	119	2152	0.13%	0.003%
254	16.227	16.221	16.239	PV	58	484	0.03%	0.001%
255	16.255	16.239	16.272	VV	118	1274	0.08%	0.002%
256	16.281	16.272	16.318	VV	109	2130	0.13%	0.003%
257	16.333	16.318	16.345	VV	177	1974	0.12%	0.003%
258	16.352	16.345	16.370	VV	142	1963	0.12%	0.003%
259	16.394	16.370	16.479	VV	238	8032	0.50%	0.011%
260	16.493	16.479	16.507	PV	117	1063	0.07%	0.001%
261	16.574	16.507	16.598	VV	234	6709	0.41%	0.009%
262	16.617	16.598	16.632	VV	173	2556	0.16%	0.003%
263	16.638	16.632	16.667	VV	130	1482	0.09%	0.002%
264	16.715	16.667	16.725	PV	152	3206	0.20%	0.004%
265	16.740	16.725	16.783	VV	143	2956	0.18%	0.004%
266	16.796	16.783	16.851	VV	158	2995	0.18%	0.004%
267	16.895	16.851	16.918	PV	225	4757	0.29%	0.006%
268	16.928	16.918	16.937	VV	134	774	0.05%	0.001%
269	16.964	16.937	16.978	VV	117	1827	0.11%	0.002%
270	16.999	16.978	17.011	VV	56	936	0.06%	0.001%
271	17.056	17.011	17.151	PV	305	8044	0.50%	0.011%
272	17.213	17.151	17.238	VV	94	2542	0.16%	0.003%
273	17.264	17.238	17.312	VV	145	3904	0.24%	0.005%
274	17.321	17.312	17.331	VV	85	553	0.03%	0.001%
275	17.342	17.331	17.354	VV	114	844	0.05%	0.001%
276	17.400	17.354	17.424	VV	159	3536	0.22%	0.005%
277	17.434	17.424	17.448	PV	143	990	0.06%	0.001%
278	17.518	17.448	17.555	VV	780	11304	0.70%	0.015%
279	17.574	17.555	17.600	VV	246	3600	0.22%	0.005%
280	17.609	17.600	17.618	VV	121	921	0.06%	0.001%
281	17.634	17.618	17.658	VV	110	1588	0.10%	0.002%
282	17.672	17.658	17.694	VV	110	1431	0.09%	0.002%
283	17.705	17.694	17.715	PV	94	597	0.04%	0.001%
284	17.776	17.715	17.789	VV	147	5027	0.31%	0.007%
285	17.809	17.789	17.845	VV	150	3178	0.20%	0.004%
286	17.875	17.845	17.887	VV	162	2381	0.15%	0.003%
287	17.898	17.887	17.918	VV	134	1308	0.08%	0.002%
288	17.936	17.918	17.947	VV	184	2126	0.13%	0.003%
289	17.968	17.947	18.013	VV	913	13157	0.81%	0.018%
290	18.073	18.013	18.111	PV	242	7406	0.46%	0.010%
291	18.120	18.111	18.158	VV	149	2651	0.16%	0.004%
292	18.202	18.158	18.298	VV	132	4531	0.28%	0.006%
293	18.402	18.298	18.431	PV	1103	20148	1.24%	0.027%
294	18.440	18.431	18.468	VV	132	1145	0.07%	0.002%
295	18.590	18.468	18.701	VV	355	12997	0.80%	0.018%
296	18.823	18.701	18.864	PV	1289	25163	1.55%	0.034%
297	18.955	18.864	19.005	VV	336	8857	0.55%	0.012%
298	19.231	19.005	19.268	PV	1548	26737	1.65%	0.036%
299	19.425	19.268	19.441	PV	120	8192	0.51%	0.011%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7DL

rteres

300 19.626 19.441 19.665 PV 1246 24196 1.49% 0.033%

Sum of corrected areas: 737

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Aliphatic EPH 020325.M Mon Feb 10 03:11:45 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-7DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-06DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FF015501.D	10	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	132		3.53	7.85	mg/kg
Aromatic C12-C16	Aromatic C12-C16	625	E	4.00	11.8	mg/kg
Aromatic C16-C21	Aromatic C16-C21	760	E	11.3	19.6	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.0		23.5	31.4	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	8.74		40 - 140	175%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	6.19		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.21		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:	Q1308-06DL	Acq On:	08 Feb 2025 00:29
Client Sample ID:	EX-11-TPH-7DL	Operator:	YP\AJ
Data file:	FF015501.D	Misc:	
Instrument:	FID_F	ALS Vial:	85
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	23277274	168.526	200	ug/ml
Aromatic C12-C16	6.375	9.068	106841450	796.345	300	ug/ml
Aromatic C16-C21	9.069	13.385	119376786	968.963	500	ug/ml
Aromatic C21-C36	13.386	18.838	4951713	42.043	800	ug/ml
Aromatic EPH	4.505	18.838	254447223	1980		ug/ml
2-Bromonaphthalene (SURR)	7.994	7.994	1039239	8.74		ug/ml
2-Flurobiphenyl (SURR)	8.869	8.869	470219	6.19		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	554686	4.21		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015501.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:29
Operator : YP\AJ
Sample : Q1308-06DL 10X
Misc :
ALS Vial : 85 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-7DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.994	1039239	8.744 ug/mlm
Spiked Amount 50.000		Recovery =	17.49%
6) S 2-Flurobiphenyl (SURR)	8.869	470219	6.192 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	12.38%
11) S ortho-Terphenyl (SURR)	11.930	554686	4.206 ug/mlm
Spiked Amount 50.000		Recovery =	8.41%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015501.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:29
Operator : YP\AJ
Sample : Q1308-06DL 10X
Misc :
ALS Vial : 85 Sample Multiplier: 1

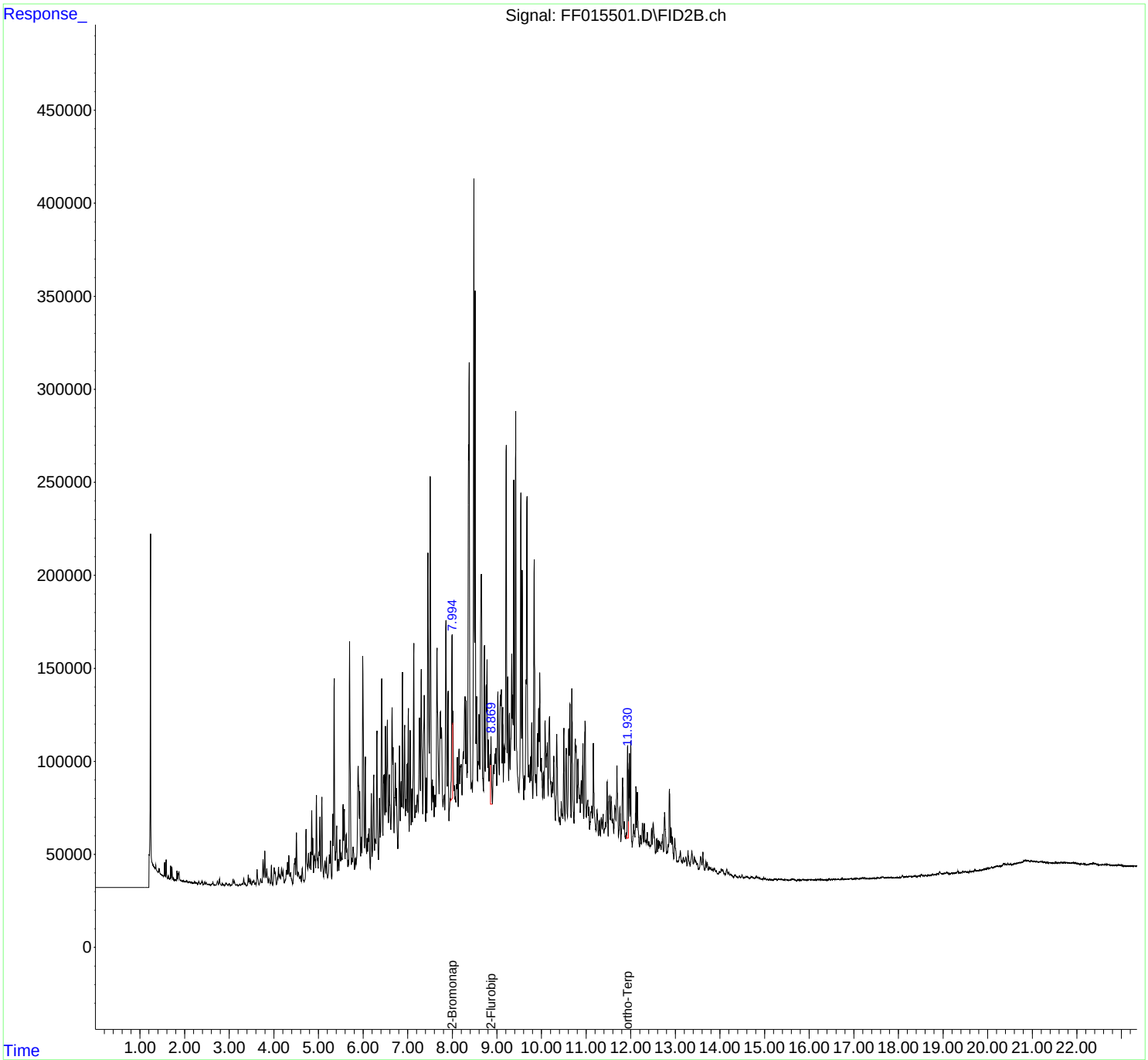
Integration File: autoint1.e
Quant Time: Feb 10 00:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

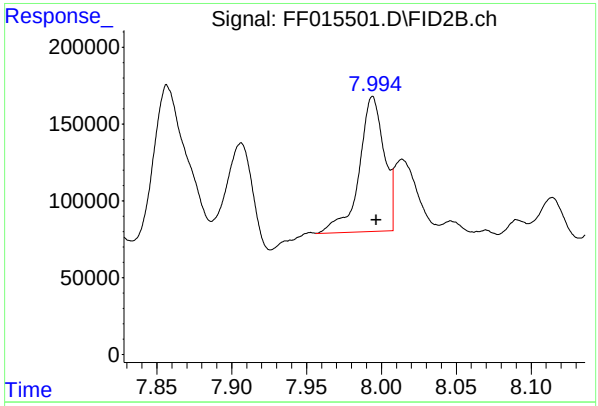
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





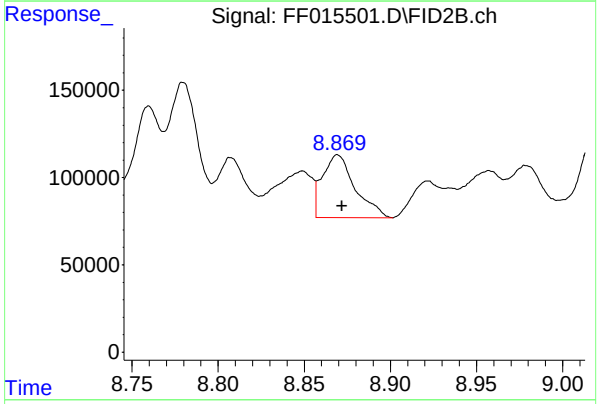
#4 2-Bromonaphthalene (SURR)

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 1039239
Conc: 8.74 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7DL

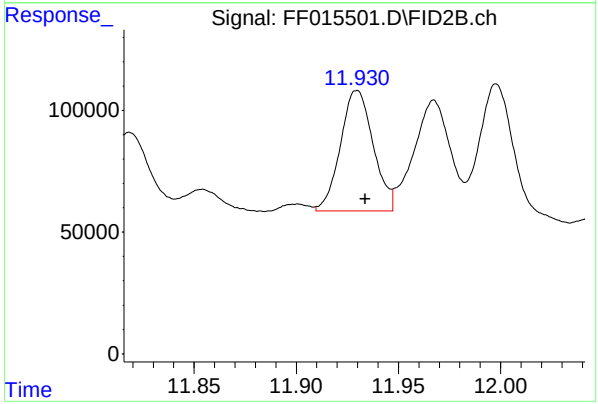
Manual Integrations
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Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.869 min
Delta R.T.: -0.003 min
Response: 470219
Conc: 6.19 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.004 min
Response: 554686
Conc: 4.21 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015501.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:29
Sample : Q1308-06DL 10X
Misc :
ALS Vial : 85 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.461	4.401	4.465	BV	8967	69726	1.27%	0.027%
2	4.475	4.465	4.490	VV	11781	125315	2.29%	0.048%
3	4.506	4.490	4.532	VV	25801	311023	5.68%	0.119%
4	4.548	4.532	4.575	VV	4611	83898	1.53%	0.032%
5	4.581	4.575	4.586	VV	1866	11482	0.21%	0.004%
6	4.599	4.586	4.616	VV	2747	31178	0.57%	0.012%
7	4.637	4.616	4.663	PV	7171	94352	1.72%	0.036%
8	4.668	4.663	4.680	VV	640	4355	0.08%	0.002%
9	4.722	4.680	4.760	PV	28247	440987	8.06%	0.169%
10	4.777	4.760	4.804	VV	15466	266206	4.86%	0.102%
11	4.821	4.804	4.833	VV	15906	197372	3.61%	0.076%
12	4.850	4.833	4.863	VV	38373	416632	7.61%	0.160%
13	4.873	4.863	4.890	VV	23435	246706	4.51%	0.095%
14	4.910	4.890	4.921	VV	13927	196652	3.59%	0.076%
15	4.925	4.921	4.938	VV	11964	108327	1.98%	0.042%
16	4.955	4.938	4.993	VV	46419	668411	12.21%	0.257%
17	5.008	4.993	5.015	VV	15710	168135	3.07%	0.065%
18	5.032	5.015	5.056	VV	34794	474975	8.68%	0.182%
19	5.077	5.056	5.114	VV	45633	609895	11.14%	0.234%
20	5.146	5.114	5.163	VV	11352	212536	3.88%	0.082%
21	5.180	5.163	5.205	VV	12895	185893	3.40%	0.071%
22	5.245	5.205	5.256	VV	14488	224875	4.11%	0.086%
23	5.270	5.256	5.297	VV	21913	274772	5.02%	0.106%
24	5.323	5.297	5.334	VV	36503	397264	7.26%	0.153%
25	5.352	5.334	5.378	VV	108862	1309843	23.93%	0.503%
26	5.408	5.378	5.426	VV	29914	501997	9.17%	0.193%
27	5.443	5.426	5.459	VV	12095	182239	3.33%	0.070%
28	5.481	5.459	5.496	VV	22625	342519	6.26%	0.132%
29	5.507	5.496	5.518	VV	15077	173034	3.16%	0.066%
30	5.524	5.518	5.531	VV	12415	97323	1.78%	0.037%
31	5.552	5.531	5.566	VV	41608	555467	10.15%	0.213%
32	5.580	5.566	5.596	VV	38883	491291	8.98%	0.189%
33	5.623	5.596	5.637	VV	25451	474378	8.67%	0.182%
34	5.643	5.637	5.659	VV	16753	168012	3.07%	0.065%
35	5.671	5.659	5.678	VV	11719	119891	2.19%	0.046%
36	5.698	5.678	5.738	VV	129038	1943902	35.52%	0.747%

Instrument :
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ClientSampleId :
EX-11-TPH-7DL

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rteres

37	5.750	5.738	5.759	VV	12526	142193	2.60%	0.055%
38	5.776	5.759	5.810	VV	18729	414566		
39	5.830	5.810	5.844	VV	12579	207776		
40	5.890	5.844	5.917	VV	61896	1575066		
41	5.927	5.917	5.946	VV	48497	557688		
42	5.963	5.946	5.975	VV	24074	338088		
43	5.995	5.975	6.033	VV	121203	2122611	38.78%	0.815%
44	6.051	6.033	6.080	VV	66888	934990	17.08%	0.359%
45	6.093	6.080	6.103	VV	23253	270259	4.94%	0.104%
46	6.116	6.103	6.125	VV	25545	280607	5.13%	0.108%
47	6.136	6.125	6.162	VV	28443	417644	7.63%	0.160%
48	6.186	6.162	6.204	VV	47434	626750	11.45%	0.241%
49	6.239	6.204	6.258	VV	57326	1015936	18.56%	0.390%
50	6.269	6.258	6.289	VV	22888	391309	7.15%	0.150%
51	6.311	6.289	6.346	VV	81041	1317835	24.08%	0.506%
52	6.370	6.346	6.386	VV	44907	678134	12.39%	0.260%
53	6.419	6.386	6.445	VV	109070	2063179	37.70%	0.792%
54	6.460	6.445	6.467	VV	56954	603327	11.02%	0.232%
55	6.475	6.467	6.488	VV	57544	639113	11.68%	0.245%
56	6.502	6.488	6.516	VV	83513	1000757	18.29%	0.384%
57	6.545	6.516	6.570	VV	86900	1799921	32.89%	0.691%
58	6.588	6.570	6.622	VV	57553	1276818	23.33%	0.490%
59	6.651	6.622	6.666	VV	93355	1594281	29.13%	0.612%
60	6.674	6.666	6.694	VV	72014	886490	16.20%	0.341%
61	6.726	6.694	6.739	VV	63853	1205871	22.03%	0.463%
62	6.749	6.739	6.781	VV	50045	877519	16.03%	0.337%
63	6.818	6.781	6.835	VV	73124	1437258	26.26%	0.552%
64	6.854	6.835	6.866	VV	53752	838756	15.33%	0.322%
65	6.883	6.866	6.904	VV	112214	1634510	29.86%	0.628%
66	6.932	6.904	6.949	VV	84126	1536978	28.08%	0.590%
67	6.959	6.949	6.969	VV	44360	479606	8.76%	0.184%
68	6.986	6.969	7.000	VV	63068	924175	16.89%	0.355%
69	7.015	7.000	7.035	VV	93059	1220550	22.30%	0.469%
70	7.057	7.035	7.080	VV	81296	1384183	25.29%	0.532%
71	7.094	7.080	7.106	VV	49912	623747	11.40%	0.240%
72	7.138	7.106	7.161	VV	128181	2181423	39.86%	0.838%
73	7.183	7.161	7.194	VV	40921	753111	13.76%	0.289%
74	7.215	7.194	7.237	VV	46457	1080742	19.75%	0.415%
75	7.265	7.237	7.286	VV	87632	1896199	34.65%	0.728%
76	7.305	7.286	7.340	VV	114119	2383256	43.55%	0.915%
77	7.373	7.340	7.404	VV	99948	2610067	47.69%	1.003%
78	7.418	7.404	7.432	VV	55378	740158	13.52%	0.284%
79	7.454	7.432	7.487	VV	176498	3418275	62.46%	1.313%
80	7.506	7.487	7.537	VV	217772	3619931	66.14%	1.390%
81	7.554	7.537	7.567	VV	54607	848989	15.51%	0.326%
82	7.578	7.567	7.594	VV	51307	721788	13.19%	0.277%
83	7.612	7.594	7.628	VV	46311	850776	15.54%	0.327%
84	7.658	7.628	7.706	VV	125308	3494535	63.85%	1.342%
85	7.734	7.706	7.748	VV	91300	1903699	34.78%	0.731%
86	7.760	7.748	7.792	VV	82639	1683795	30.77%	0.647%
87	7.818	7.792	7.834	VV	46063	1079624	19.73%	0.415%
88	7.857	7.834	7.887	VV	139234	2744160	50.14%	1.054%
89	7.906	7.887	7.926	VV	102021	1644802	30.05%	0.632%

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90	7.994	7.926	8.007	VV	132530	3056308	55.84%	1.174%
91	8.014	8.007	8.039	VV	91632	1361578	24	
92	8.046	8.039	8.062	VV	51372	671497	12	
93	8.070	8.062	8.078	VV	45443	430313	7	
94	8.091	8.078	8.098	VV	52162	593506	10	
95	8.114	8.098	8.132	VV	66654	1121321	20	
96	8.152	8.132	8.170	VV	70977	1289336	23.56%	0.495%
97	8.187	8.170	8.194	VV	62041	872135	15.94%	0.335%
98	8.199	8.194	8.220	VV	62949	864373	15.79%	0.332%
99	8.248	8.220	8.259	VV	69706	1448797	26.47%	0.556%
100	8.286	8.259	8.302	VV	99056	2184760	39.92%	0.839%
101	8.314	8.302	8.330	VV	96974	1289746	23.57%	0.495%
102	8.337	8.330	8.342	VV	59155	410481	7.50%	0.158%
103	8.365	8.342	8.369	VV	234741	2411527	44.06%	0.926%
104	8.379	8.369	8.422	VV	279198	4343106	79.35%	1.668%
105	8.439	8.422	8.452	VV	52866	943249	17.23%	0.362%
106	8.485	8.452	8.500	VV	376990	5101341	93.21%	1.959%
107	8.513	8.500	8.532	VV	316117	3651272	66.71%	1.402%
108	8.546	8.532	8.566	VV	99331	1632672	29.83%	0.627%
109	8.576	8.566	8.582	VV	64560	602145	11.00%	0.231%
110	8.599	8.582	8.618	VV	89275	1623034	29.66%	0.623%
111	8.652	8.618	8.699	VV	164560	4945448	90.36%	1.900%
112	8.720	8.699	8.740	VV	126969	2061894	37.67%	0.792%
113	8.760	8.740	8.769	VV	105392	1445850	26.42%	0.555%
114	8.780	8.769	8.797	VV	119302	1624419	29.68%	0.624%
115	8.807	8.797	8.825	VV	75891	1083055	19.79%	0.416%
116	8.849	8.825	8.858	VV	68308	1234403	22.55%	0.474%
117	8.869	8.858	8.901	VV	77597	1553840	28.39%	0.597%
118	8.922	8.901	8.939	VV	62545	1242454	22.70%	0.477%
119	8.957	8.939	8.967	VV	68454	1073476	19.61%	0.412%
120	8.979	8.967	8.998	VV	71216	1184651	21.65%	0.455%
121	9.022	8.998	9.053	VV	101876	2417242	44.17%	0.928%
122	9.081	9.053	9.091	VV	99785	1988474	36.33%	0.764%
123	9.100	9.091	9.117	VV	102929	1396053	25.51%	0.536%
124	9.131	9.117	9.147	VV	93434	1325468	24.22%	0.509%
125	9.161	9.147	9.173	VV	72577	1010291	18.46%	0.388%
126	9.209	9.173	9.229	VV	234514	4166995	76.14%	1.601%
127	9.244	9.229	9.265	VV	110029	1788733	32.68%	0.687%
128	9.281	9.265	9.298	VV	90188	1415684	25.87%	0.544%
129	9.334	9.298	9.346	VV	122102	2543818	46.48%	0.977%
130	9.355	9.346	9.364	VV	100376	966456	17.66%	0.371%
131	9.380	9.364	9.398	VV	215606	2779861	50.79%	1.068%
132	9.422	9.398	9.492	VV	252296	5473011	100.00%	2.102%
133	9.538	9.492	9.555	VV	209130	3748026	68.48%	1.440%
134	9.569	9.555	9.602	VV	166966	2635891	48.16%	1.012%
135	9.617	9.602	9.630	VV	56591	844239	15.43%	0.324%
136	9.674	9.630	9.706	VV	206639	4786782	87.46%	1.839%
137	9.719	9.706	9.737	VV	62225	1086902	19.86%	0.417%
138	9.756	9.737	9.768	VV	66838	1092552	19.96%	0.420%
139	9.782	9.768	9.807	VV	85187	1469258	26.85%	0.564%
140	9.836	9.807	9.867	VV	172771	3286311	60.05%	1.262%
141	9.877	9.867	9.891	VV	57235	771865	14.10%	0.296%

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142	9.910	9.891	9.923	VV	79266	1245653	22.76%	0.478%
143	9.938	9.923	9.949	VV	92842	1241639	22	
144	9.962	9.949	9.984	VV	111894	1804643	32	
145	9.999	9.984	10.024	VV	66024	1381882	25	
146	10.041	10.024	10.059	VV	58388	1094501	20	
147	10.081	10.059	10.103	VV	86222	1783785	32	
148	10.116	10.103	10.121	VV	68230	705892	12.90%	0.271%
149	10.131	10.121	10.149	VV	74558	1090002	19.92%	0.419%
150	10.180	10.149	10.225	VV	88642	2943865	53.79%	1.131%
151	10.244	10.225	10.256	VV	52863	915337	16.72%	0.352%
152	10.276	10.256	10.311	VV	67041	1666325	30.45%	0.640%
153	10.343	10.311	10.391	VV	78823	2388635	43.64%	0.917%
154	10.401	10.391	10.422	VV	33960	594558	10.86%	0.228%
155	10.444	10.422	10.459	VV	42874	833178	15.22%	0.320%
156	10.465	10.459	10.479	VV	35926	418383	7.64%	0.161%
157	10.502	10.479	10.528	VV	82449	1501095	27.43%	0.577%
158	10.553	10.528	10.581	VV	71210	1608032	29.38%	0.618%
159	10.611	10.581	10.623	VV	81883	1488086	27.19%	0.572%
160	10.637	10.623	10.662	VV	95149	1586690	28.99%	0.609%
161	10.682	10.662	10.728	VV	103272	2208180	40.35%	0.848%
162	10.757	10.728	10.767	VV	76416	1317403	24.07%	0.506%
163	10.773	10.767	10.798	VV	73130	1100744	20.11%	0.423%
164	10.819	10.798	10.847	VV	65548	1546832	28.26%	0.594%
165	10.854	10.847	10.869	VV	46377	556343	10.17%	0.214%
166	10.892	10.869	10.909	VV	53891	1109906	20.28%	0.426%
167	10.927	10.909	10.945	VV	73761	1198667	21.90%	0.460%
168	10.976	10.945	11.004	VV	85939	2089312	38.17%	0.803%
169	11.034	11.004	11.051	VV	43184	1127567	20.60%	0.433%
170	11.062	11.051	11.078	VV	39805	565871	10.34%	0.217%
171	11.125	11.078	11.142	VV	40287	1342410	24.53%	0.516%
172	11.164	11.142	11.224	VV	73997	2067579	37.78%	0.794%
173	11.244	11.224	11.277	VV	38167	1027119	18.77%	0.395%
174	11.300	11.277	11.321	VV	32309	736671	13.46%	0.283%
175	11.341	11.321	11.362	VV	34078	744085	13.60%	0.286%
176	11.379	11.362	11.398	VV	35809	678750	12.40%	0.261%
177	11.437	11.398	11.448	VV	31677	860975	15.73%	0.331%
178	11.471	11.448	11.493	VV	53267	1063147	19.43%	0.408%
179	11.519	11.493	11.542	VV	45369	1123838	20.53%	0.432%
180	11.558	11.542	11.582	VV	45209	948880	17.34%	0.364%
181	11.592	11.582	11.619	VV	33383	688372	12.58%	0.264%
182	11.640	11.619	11.669	VV	40093	1068420	19.52%	0.410%
183	11.690	11.669	11.727	VV	61837	1466320	26.79%	0.563%
184	11.758	11.727	11.780	VV	39577	938571	17.15%	0.361%
185	11.818	11.780	11.841	VV	55284	1326462	24.24%	0.510%
186	11.854	11.841	11.885	VV	31898	713084	13.03%	0.274%
187	11.901	11.885	11.909	VV	25894	356518	6.51%	0.137%
188	11.930	11.909	11.947	VV	72525	1089425	19.91%	0.418%
189	11.967	11.947	11.983	VV	68590	1044948	19.09%	0.401%
190	11.998	11.983	12.034	VV	75285	1248788	22.82%	0.480%
191	12.065	12.034	12.093	VV	30524	879492	16.07%	0.338%
192	12.115	12.093	12.132	VV	50755	850136	15.53%	0.327%
193	12.148	12.132	12.196	VV	47690	1195209	21.84%	0.459%
194	12.216	12.196	12.236	VV	24457	520396	9.51%	0.200%

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195	12.262	12.236	12.287	VV	30904	776868	14.19%	0.298%
196	12.305	12.287	12.327	VV	30856	613986	11	
197	12.335	12.327	12.351	VV	21783	295632	5	
198	12.368	12.351	12.389	VV	26326	510281	9	
199	12.406	12.389	12.430	VV	21189	488066	8	
200	12.441	12.430	12.451	VV	19204	236970	4	
201	12.469	12.451	12.484	VV	28027	457272	8.36%	0.176%
202	12.503	12.484	12.553	VV	30872	970196	17.73%	0.373%
203	12.584	12.553	12.602	VV	22633	528153	9.65%	0.203%
204	12.618	12.602	12.631	VV	21855	341722	6.24%	0.131%
205	12.646	12.631	12.678	VV	21138	531783	9.72%	0.204%
206	12.712	12.678	12.735	VV	25130	696253	12.72%	0.267%
207	12.759	12.735	12.801	VV	36747	948452	17.33%	0.364%
208	12.837	12.801	12.846	VV	19175	449458	8.21%	0.173%
209	12.868	12.846	12.888	VV	49555	813380	14.86%	0.312%
210	12.904	12.888	12.921	VV	28420	479755	8.77%	0.184%
211	12.932	12.921	12.964	VV	23568	465832	8.51%	0.179%
212	12.984	12.964	13.032	VV	23042	666057	12.17%	0.256%
213	13.038	13.032	13.052	VV	10781	127581	2.33%	0.049%
214	13.061	13.052	13.067	VV	10585	92979	1.70%	0.036%
215	13.111	13.067	13.136	VV	16366	527662	9.64%	0.203%
216	13.145	13.136	13.158	VV	10531	130546	2.39%	0.050%
217	13.179	13.158	13.196	VV	12485	255460	4.67%	0.098%
218	13.203	13.196	13.214	VV	10709	109152	1.99%	0.042%
219	13.234	13.214	13.259	VV	12784	298232	5.45%	0.115%
220	13.283	13.259	13.330	VV	16247	476379	8.70%	0.183%
221	13.368	13.330	13.402	VV	15836	508833	9.30%	0.195%
222	13.422	13.402	13.445	VV	12908	284802	5.20%	0.109%
223	13.454	13.445	13.479	VV	10634	207835	3.80%	0.080%
224	13.492	13.479	13.532	VV	9285	245770	4.49%	0.094%
225	13.567	13.532	13.596	VV	13045	383031	7.00%	0.147%
226	13.615	13.596	13.660	VV	15495	373682	6.83%	0.144%
227	13.680	13.660	13.695	VV	10308	169139	3.09%	0.065%
228	13.712	13.695	13.737	VV	9922	206251	3.77%	0.079%
229	13.758	13.737	13.775	VV	7478	154332	2.82%	0.059%
230	13.790	13.775	13.822	VV	7165	179963	3.29%	0.069%
231	13.837	13.822	13.851	VV	6185	100946	1.84%	0.039%
232	13.874	13.851	13.901	VV	6801	178915	3.27%	0.069%
233	13.915	13.901	13.939	VV	5346	107052	1.96%	0.041%
234	13.942	13.939	13.962	VV	4024	53029	0.97%	0.020%
235	13.987	13.962	14.009	VV	5054	125333	2.29%	0.048%
236	14.028	14.009	14.048	VV	6260	127904	2.34%	0.049%
237	14.062	14.048	14.119	VV	5889	195238	3.57%	0.075%
238	14.152	14.119	14.178	VV	6151	166088	3.03%	0.064%
239	14.195	14.178	14.218	VV	4768	94877	1.73%	0.036%
240	14.226	14.218	14.309	VV	3469	153300	2.80%	0.059%
241	14.332	14.309	14.375	VV	3075	100223	1.83%	0.038%
242	14.384	14.375	14.409	VV	2096	38732	0.71%	0.015%
243	14.437	14.409	14.455	VV	2457	57908	1.06%	0.022%
244	14.493	14.455	14.532	VV	3235	99492	1.82%	0.038%
245	14.543	14.532	14.561	VV	1783	29104	0.53%	0.011%
246	14.586	14.561	14.659	VV	2196	108505	1.98%	0.042%

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247	14.698	14.659	14.702	VV	2149	40352	0.74%	0.015%
248	14.714	14.702	14.770	VV	2176	70764		
249	14.820	14.770	14.844	VV	2288	76029		
250	14.859	14.844	14.881	VV	1924	33415		
251	14.893	14.881	14.924	VV	1469	27794		
252	14.942	14.924	14.956	VV	1056	16566		
253	14.978	14.956	15.007	VV	1471	31719	0.58%	0.012%
254	15.019	15.007	15.051	VV	1063	20953	0.38%	0.008%
255	15.064	15.051	15.101	VV	643	15597	0.28%	0.006%
256	15.109	15.101	15.140	VV	646	11982	0.22%	0.005%
257	15.159	15.140	15.177	VV	598	10013	0.18%	0.004%
258	15.189	15.177	15.195	VV	517	4828	0.09%	0.002%
259	15.229	15.195	15.245	VV	812	18996	0.35%	0.007%
260	15.256	15.245	15.294	VV	756	15615	0.29%	0.006%
261	15.317	15.294	15.338	VV	884	18114	0.33%	0.007%
262	15.363	15.338	15.380	VV	792	17211	0.31%	0.007%
263	15.386	15.380	15.389	VV	724	3508	0.06%	0.001%
264	15.396	15.389	15.444	VV	702	16056	0.29%	0.006%
265	15.480	15.444	15.512	VV	732	19220	0.35%	0.007%
266	15.517	15.512	15.542	VV	296	3936	0.07%	0.002%
267	15.555	15.542	15.566	VV	277	3141	0.06%	0.001%
268	15.571	15.566	15.576	VV	236	1241	0.02%	0.000%
269	15.610	15.576	15.626	VV	899	17618	0.32%	0.007%
270	15.642	15.626	15.677	VV	801	17665	0.32%	0.007%
271	15.684	15.677	15.722	VV	407	5928	0.11%	0.002%
272	15.761	15.722	15.791	PV	484	11207	0.20%	0.004%
273	15.803	15.791	15.824	VV	308	3974	0.07%	0.002%
274	15.856	15.824	15.878	PV	715	14734	0.27%	0.006%
275	15.886	15.878	15.912	VV	448	6718	0.12%	0.003%
276	15.925	15.912	15.937	VV	237	2504	0.05%	0.001%
277	15.944	15.937	15.949	VV	202	1371	0.03%	0.001%
278	15.957	15.949	15.963	VV	379	2324	0.04%	0.001%
279	15.966	15.963	15.972	VV	296	1424	0.03%	0.001%
280	16.009	15.972	16.040	VV	594	16065	0.29%	0.006%
281	16.049	16.040	16.054	VV	409	2777	0.05%	0.001%
282	16.079	16.054	16.111	VV	429	9422	0.17%	0.004%
283	16.118	16.111	16.126	VV	267	1758	0.03%	0.001%
284	16.147	16.126	16.158	VV	364	4958	0.09%	0.002%
285	16.208	16.158	16.238	VV	508	16958	0.31%	0.007%
286	16.251	16.238	16.269	VV	423	6784	0.12%	0.003%
287	16.275	16.269	16.297	VV	384	5955	0.11%	0.002%
288	16.300	16.297	16.336	VV	414	5483	0.10%	0.002%
289	16.347	16.336	16.386	VV	386	7959	0.15%	0.003%
290	16.390	16.386	16.402	VV	212	1346	0.02%	0.001%
291	16.456	16.402	16.476	PV	597	15267	0.28%	0.006%
292	16.497	16.476	16.517	VV	359	5961	0.11%	0.002%
293	16.557	16.517	16.584	VV	505	13157	0.24%	0.005%
294	16.602	16.584	16.619	VV	368	5388	0.10%	0.002%
295	16.648	16.619	16.678	VV	465	11159	0.20%	0.004%
296	16.705	16.678	16.719	VV	258	3542	0.06%	0.001%
297	16.742	16.719	16.821	VV	656	17780	0.32%	0.007%
298	16.830	16.821	16.839	VV	216	1703	0.03%	0.001%
299	16.875	16.839	16.887	VV	372	6922	0.13%	0.003%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	16.894	16.887	16.902	VV	288	2327	0.04%	0.001%
301	16.927	16.902	16.932	VV	450	6280		
302	16.939	16.932	16.989	VV	389	7874		
303	17.011	16.989	17.015	VV	322	3338		
304	17.019	17.015	17.023	VV	358	1374		
305	17.027	17.023	17.039	VV	314	2491		
306	17.066	17.039	17.077	VV	501	8033	0.15%	0.003%
307	17.084	17.077	17.117	VV	448	6096	0.11%	0.002%
308	17.161	17.117	17.176	VV	351	8785	0.16%	0.003%
309	17.205	17.176	17.233	VV	735	16513	0.30%	0.006%
310	17.249	17.233	17.277	VV	611	9835	0.18%	0.004%
311	17.303	17.284	17.314	VV	219	2836	0.05%	0.001%
312	17.370	17.343	17.381	VV	177	2112	0.04%	0.001%
313	17.446	17.381	17.461	VV	244	6819	0.12%	0.003%
314	17.485	17.461	17.498	VV	255	3781	0.07%	0.001%
315	17.510	17.498	17.517	VV	272	2408	0.04%	0.001%
316	17.521	17.517	17.537	VV	310	2747	0.05%	0.001%
317	17.554	17.537	17.564	VV	233	2697	0.05%	0.001%
318	17.618	17.564	17.632	VV	612	14473	0.26%	0.006%
319	17.652	17.632	17.714	VV	886	19092	0.35%	0.007%
320	17.725	17.714	17.732	VV	333	2904	0.05%	0.001%
321	17.743	17.732	17.773	VV	459	8503	0.16%	0.003%
322	17.777	17.773	17.806	VV	271	3833	0.07%	0.001%
323	17.831	17.815	17.836	VV	409	3837	0.07%	0.001%
324	17.839	17.836	17.854	VV	356	2221	0.04%	0.001%
325	17.890	17.869	17.901	VV	161	1908	0.03%	0.001%
326	17.921	17.901	17.938	PV	165	1519	0.03%	0.001%
327	17.967	17.953	17.990	VV	143	1905	0.03%	0.001%
328	18.089	18.057	18.121	VV	1213	19847	0.36%	0.008%
329	18.152	18.121	18.162	VV	320	5801	0.11%	0.002%
330	18.176	18.162	18.198	VV	444	5982	0.11%	0.002%
331	18.240	18.198	18.246	VV	414	8724	0.16%	0.003%
332	18.273	18.246	18.314	VV	580	13261	0.24%	0.005%
333	18.366	18.314	18.402	VV	583	17710	0.32%	0.007%
334	18.405	18.402	18.424	VV	265	2150	0.04%	0.001%
335	18.443	18.424	18.447	PV	401	4240	0.08%	0.002%
336	18.454	18.447	18.484	VV	513	8641	0.16%	0.003%
337	18.515	18.484	18.541	VV	1163	22131	0.40%	0.009%
338	18.546	18.541	18.549	VV	335	1330	0.02%	0.001%
339	18.555	18.549	18.596	VV	369	7070	0.13%	0.003%
340	18.606	18.596	18.622	VV	390	4504	0.08%	0.002%
341	18.667	18.637	18.684	PV	212	2729	0.05%	0.001%
342	18.763	18.726	18.770	VV	273	3830	0.07%	0.001%
343	18.776	18.770	18.801	VBA	264	2910	0.05%	0.001%

Sum of corrected areas: 260341838

Aromatic EPH 020525.M Mon Feb 10 01:52:42 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-7DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-06DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FE052301.D	200	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		893		89.5	235	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1720		56.5	156	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		467		70.6	235	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		188	U	188	313	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		423	U	423	470	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-06DL2	Acq On:	07 Feb 2025 21:26
Client Sample ID:	EX-11-TPH-7DL2	Operator:	YP\AJ
Data file:	FE052301.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	200	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	5472923	56.9	300	ug/ml
Aliphatic C12-C16	7.236	10.639	11495803	109.783	200	ug/ml
Aliphatic C16-C21	10.640	13.984	3365820	29.78	300	ug/ml
Aliphatic C21-C28	13.985	17.628	265179	2.326	400	ug/ml
Aliphatic C28-C40	17.629	22.712	55789	0.609	600	ug/ml
Aliphatic EPH	3.679	22.712	20655514	199.399		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	3.679	17.628	20599725	198.789	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052301.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 21:26
Operator : YP\AJ
Sample : Q1308-06DL2 200X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7DL2

Integration File: autoint1.e
Quant Time: Feb 10 09:06:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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

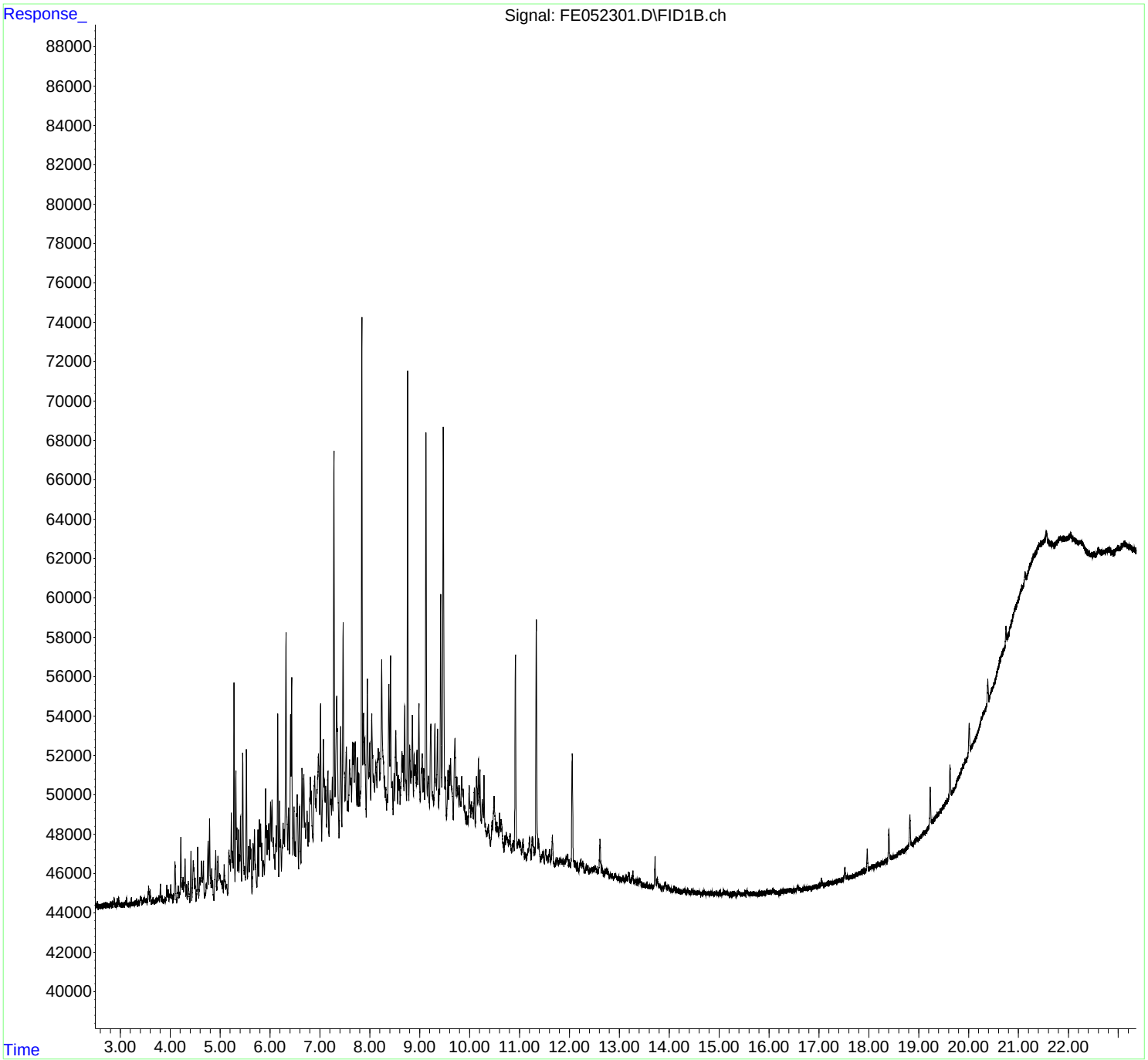
(f)=RT Delta > 1/2 Window (m)=manual int.

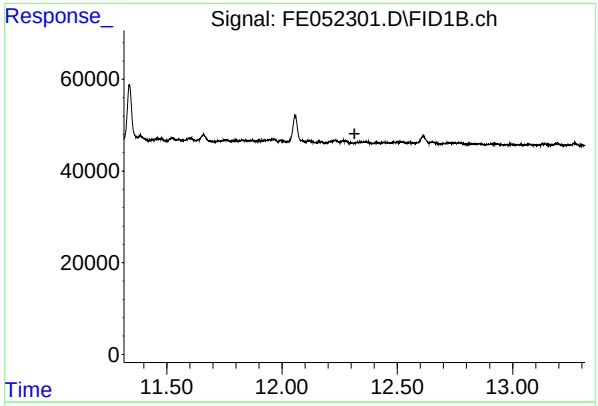
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052301.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 21:26
Operator : YP\AJ
Sample : Q1308-06DL2 200X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7DL2

Integration File: autoint1.e
Quant Time: Feb 10 09:06:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

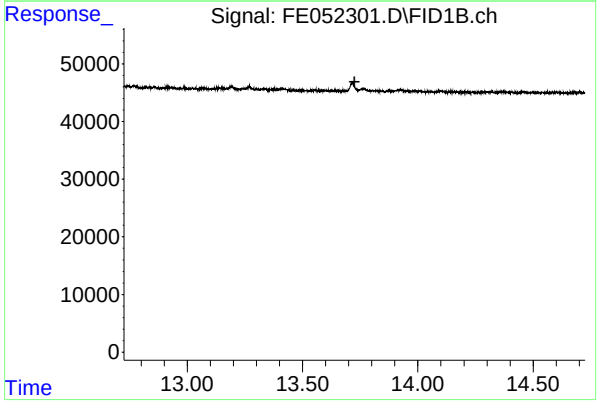




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-7DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.726 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052301.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 21:26
Sample : Q1308-06DL2 200X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.204	3.238	BV	311	3530	0.78%	0.017%
2	3.248	3.238	3.258	VV	110	1062	0.23%	0.005%
3	3.268	3.258	3.308	VV	126	3025	0.67%	0.015%
4	3.321	3.308	3.351	VV	276	4098	0.90%	0.020%
5	3.370	3.351	3.381	VV	161	1982	0.44%	0.010%
6	3.408	3.381	3.450	VV	387	9550	2.11%	0.046%
7	3.485	3.450	3.514	VV	318	9288	2.05%	0.045%
8	3.521	3.514	3.534	VV	243	2626	0.58%	0.013%
9	3.568	3.534	3.584	VV	945	14423	3.18%	0.070%
10	3.598	3.584	3.624	VV	756	8859	1.96%	0.043%
11	3.654	3.624	3.669	VV	294	5287	1.17%	0.026%
12	3.673	3.669	3.682	VV	202	1248	0.28%	0.006%
13	3.718	3.682	3.732	VV	289	6248	1.38%	0.030%
14	3.771	3.732	3.783	VV	444	9373	2.07%	0.045%
15	3.803	3.783	3.821	VV	1013	12883	2.84%	0.062%
16	3.837	3.821	3.874	VV	431	8658	1.91%	0.042%
17	3.898	3.874	3.914	VV	263	5760	1.27%	0.028%
18	3.932	3.914	3.948	VV	934	12127	2.68%	0.059%
19	3.960	3.948	3.975	VV	723	8112	1.79%	0.039%
20	3.986	3.975	3.994	VV	500	4694	1.04%	0.023%
21	4.011	3.994	4.054	VV	951	17621	3.89%	0.085%
22	4.163	4.130	4.182	VV	853	17445	3.85%	0.084%
23	4.213	4.182	4.243	VV	3353	51643	11.40%	0.249%
24	4.257	4.243	4.270	VV	1370	16631	3.67%	0.080%
25	4.327	4.315	4.341	VV	985	10601	2.34%	0.051%
26	4.360	4.341	4.395	VV	1092	19099	4.22%	0.092%
27	4.416	4.395	4.434	VV	2666	27062	5.97%	0.131%
28	4.463	4.434	4.488	VV	2223	44246	9.77%	0.214%
29	4.499	4.488	4.520	VV	1299	15731	3.47%	0.076%
30	4.593	4.573	4.603	VV	1263	17575	3.88%	0.085%
31	4.628	4.603	4.651	VV	2128	42984	9.49%	0.207%
32	4.666	4.651	4.694	VV	2113	29336	6.48%	0.142%
33	4.789	4.773	4.817	VV	4275	59374	13.11%	0.287%
34	4.831	4.817	4.875	VV	1819	33706	7.44%	0.163%
35	4.913	4.875	4.933	VV	2656	47663	10.52%	0.230%
36	4.988	4.977	5.042	VV	1537	47593	10.51%	0.230%

37	5.052	5.042	5.064	VV	1115	12302	2.72%	0.059%
38	5.082	5.064	5.114	VV	1977	37379	8.25%	0.180%
39	5.132	5.114	5.150	VV	946	17100	3.78%	0.083%
40	5.178	5.150	5.210	VV	2688	65285	14.41%	0.315%
41	5.226	5.210	5.240	VV	4509	56328	12.44%	0.272%
42	5.250	5.240	5.261	VV	2685	30114	6.65%	0.145%
43	5.279	5.261	5.298	VV	11098	116182	25.65%	0.561%
44	5.316	5.298	5.354	VV	6665	120318	26.56%	0.581%
45	5.367	5.354	5.380	VV	3779	41412	9.14%	0.200%
46	5.409	5.380	5.430	VV	4450	77978	17.22%	0.376%
47	5.453	5.430	5.482	VV	7649	114196	25.21%	0.551%
48	5.491	5.482	5.504	VV	1862	21696	4.79%	0.105%
49	5.528	5.504	5.549	VV	7848	100251	22.13%	0.484%
50	5.569	5.549	5.586	VV	2869	47944	10.59%	0.231%
51	5.601	5.586	5.638	VV	3209	66885	14.77%	0.323%
52	5.663	5.638	5.674	VV	2959	38593	8.52%	0.186%
53	5.690	5.674	5.736	VV	3714	76598	16.91%	0.370%
54	5.759	5.736	5.772	VV	3716	47964	10.59%	0.231%
55	5.789	5.772	5.801	VV	4261	55672	12.29%	0.269%
56	5.813	5.801	5.829	VV	3984	54658	12.07%	0.264%
57	5.838	5.829	5.853	VV	2935	32142	7.10%	0.155%
58	5.868	5.853	5.888	VV	2124	39625	8.75%	0.191%
59	5.912	5.888	5.943	VV	5789	116516	25.72%	0.562%
60	5.954	5.943	5.964	VV	3631	40718	8.99%	0.197%
61	5.974	5.964	5.990	VV	3991	50565	11.16%	0.244%
62	6.011	5.990	6.025	VV	5094	80491	17.77%	0.388%
63	6.041	6.025	6.099	VV	5220	147051	32.47%	0.710%
64	6.127	6.099	6.138	VV	3924	70467	15.56%	0.340%
65	6.156	6.138	6.176	VV	9562	116964	25.82%	0.564%
66	6.194	6.176	6.230	VV	5168	99799	22.03%	0.482%
67	6.262	6.230	6.293	VV	4032	116118	25.64%	0.560%
68	6.320	6.293	6.355	VV	13742	238073	52.56%	1.149%
69	6.372	6.355	6.391	VV	4819	79771	17.61%	0.385%
70	6.412	6.391	6.422	VV	9505	115323	25.46%	0.557%
71	6.434	6.422	6.462	VV	11490	150752	33.28%	0.728%
72	6.480	6.462	6.494	VV	4816	69453	15.33%	0.335%
73	6.503	6.494	6.514	VV	3098	32264	7.12%	0.156%
74	6.546	6.514	6.572	VV	5445	137985	30.46%	0.666%
75	6.594	6.572	6.620	VV	4883	96306	21.26%	0.465%
76	6.642	6.620	6.661	VV	6822	117232	25.88%	0.566%
77	6.678	6.661	6.716	VV	6489	154729	34.16%	0.747%
78	6.745	6.716	6.762	VV	4594	104826	23.14%	0.506%
79	6.811	6.762	6.822	VV	6328	165041	36.44%	0.797%
80	6.829	6.822	6.862	VV	5633	103583	22.87%	0.500%
81	6.896	6.862	6.926	VV	6429	196376	43.36%	0.948%
82	6.971	6.926	6.995	VV	7547	250405	55.29%	1.208%
83	7.013	6.995	7.037	VV	10102	163310	36.06%	0.788%
84	7.070	7.037	7.104	VV	8146	234588	51.79%	1.132%
85	7.116	7.104	7.138	VV	5876	105866	23.37%	0.511%
86	7.160	7.138	7.182	VV	6678	130494	28.81%	0.630%
87	7.205	7.182	7.216	VV	5661	96833	21.38%	0.467%
88	7.222	7.216	7.234	VV	5199	54237	11.97%	0.262%
89	7.249	7.234	7.261	VV	6344	88764	19.60%	0.428%

90	7.282	7.261	7.305	VV	22869	302059	66.69%	1.458%
91	7.337	7.305	7.384	VV	10312	334961	73.95%	1.617%
92	7.418	7.384	7.440	VV	8912	199300	44.00%	0.962%
93	7.466	7.440	7.505	VV	14182	306485	67.67%	1.479%
94	7.530	7.505	7.568	VV	7858	223000	49.23%	1.076%
95	7.595	7.568	7.635	VV	7211	241889	53.40%	1.167%
96	7.655	7.635	7.665	VV	8100	121338	26.79%	0.586%
97	7.674	7.665	7.688	VV	8079	103840	22.93%	0.501%
98	7.707	7.688	7.738	VV	8073	204409	45.13%	0.987%
99	7.754	7.738	7.769	VV	7269	109251	24.12%	0.527%
100	7.782	7.769	7.798	VV	6505	101047	22.31%	0.488%
101	7.841	7.798	7.859	VV	29584	420934	92.93%	2.031%
102	7.875	7.859	7.890	VV	9548	155178	34.26%	0.749%
103	7.900	7.890	7.928	VV	8278	151093	33.36%	0.729%
104	7.952	7.928	7.977	VV	11283	228531	50.46%	1.103%
105	7.999	7.977	8.019	VV	8067	169433	37.41%	0.818%
106	8.041	8.019	8.096	VV	9437	322511	71.20%	1.556%
107	8.120	8.096	8.143	VV	6956	179176	39.56%	0.865%
108	8.170	8.143	8.201	VV	7723	244547	53.99%	1.180%
109	8.383	8.338	8.402	VV	10896	275940	60.92%	1.332%
110	8.416	8.402	8.438	VV	12359	189647	41.87%	0.915%
111	8.448	8.438	8.467	VV	5995	97617	21.55%	0.471%
112	8.488	8.467	8.501	VV	6506	116045	25.62%	0.560%
113	8.575	8.560	8.586	VV	6301	89149	19.68%	0.430%
114	8.594	8.586	8.609	VV	6168	78559	17.34%	0.379%
115	8.644	8.609	8.657	VV	7534	185534	40.96%	0.895%
116	8.669	8.657	8.683	VV	7305	105377	23.27%	0.509%
117	8.701	8.683	8.737	VV	9910	227741	50.28%	1.099%
118	8.802	8.783	8.821	VV	7848	152360	33.64%	0.735%
119	8.889	8.875	8.903	VV	7447	109341	24.14%	0.528%
120	8.915	8.903	8.931	VV	6834	110217	24.33%	0.532%
121	8.946	8.931	8.962	VV	7627	124327	27.45%	0.600%
122	8.986	8.962	9.011	VV	9949	212403	46.89%	1.025%
123	9.051	9.011	9.068	VV	7466	214821	47.43%	1.037%
124	9.081	9.068	9.099	VV	6625	114708	25.33%	0.554%
125	9.174	9.153	9.197	VV	6331	149941	33.10%	0.724%
126	9.224	9.197	9.279	VV	8923	314115	69.35%	1.516%
127	9.304	9.279	9.337	VV	8933	228263	50.40%	1.102%
128	9.357	9.337	9.379	VV	8649	169867	37.50%	0.820%
129	9.422	9.379	9.444	VV	15507	314097	69.35%	1.516%
130	9.474	9.444	9.506	VV	23909	452935	100.00%	2.186%
131	9.515	9.506	9.538	VV	6196	103896	22.94%	0.501%
132	9.567	9.538	9.581	VV	6530	138086	30.49%	0.666%
133	9.621	9.607	9.674	VV	7187	228212	50.39%	1.101%
134	9.707	9.674	9.731	VV	8156	220970	48.79%	1.066%
135	9.745	9.731	9.759	VV	6231	99380	21.94%	0.480%
136	9.772	9.759	9.788	VV	5770	93833	20.72%	0.453%
137	9.801	9.788	9.823	VV	5753	108807	24.02%	0.525%
138	9.844	9.823	9.868	VV	6197	150094	33.14%	0.724%
139	9.874	9.868	9.924	VV	5589	159726	35.26%	0.771%
140	9.936	9.924	9.950	VV	4372	66668	14.72%	0.322%
141	9.961	9.950	9.971	VV	4205	49472	10.92%	0.239%

142	9.993	9.971	10.024	VV	5669	154212	34.05%	0.744%
143	10.039	10.024	10.078	VV	4865	145953	32.22%	0.704%
144	10.096	10.078	10.114	VV	5670	103736	22.90%	0.501%
145	10.138	10.114	10.158	VV	6214	141134	31.16%	0.681%
146	10.178	10.158	10.193	VV	7176	121476	26.82%	0.586%
147	10.208	10.193	10.236	VV	6597	133300	29.43%	0.643%
148	10.254	10.236	10.278	VV	5049	115526	25.51%	0.558%
149	10.291	10.278	10.341	VV	6219	161864	35.74%	0.781%
150	10.376	10.341	10.418	VV	3813	155605	34.35%	0.751%
151	10.450	10.418	10.463	VV	3975	92661	20.46%	0.447%
152	10.493	10.463	10.525	VV	5150	159936	35.31%	0.772%
153	10.536	10.525	10.584	VV	3854	128524	28.38%	0.620%
154	10.601	10.584	10.617	VV	4347	74635	16.48%	0.360%
155	10.633	10.617	10.691	VV	4003	147347	32.53%	0.711%
156	10.709	10.691	10.721	VV	3205	53778	11.87%	0.260%
157	10.738	10.721	10.778	VV	3321	103381	22.82%	0.499%
158	10.811	10.778	10.839	VV	3303	107158	23.66%	0.517%
159	10.875	10.839	10.894	VV	2902	89097	19.67%	0.430%
160	10.919	10.894	10.952	VV	12256	210473	46.47%	1.016%
161	10.985	10.952	10.998	VV	2953	78259	17.28%	0.378%
162	11.010	10.998	11.041	VV	2881	68449	15.11%	0.330%
163	11.070	11.041	11.102	VV	3001	95292	21.04%	0.460%
164	11.114	11.102	11.139	VV	2297	48138	10.63%	0.232%
165	11.200	11.139	11.234	VV	3085	142510	31.46%	0.688%
166	11.253	11.234	11.264	VV	2945	47924	10.58%	0.231%
167	11.272	11.264	11.291	VV	2993	43008	9.50%	0.208%
168	11.338	11.291	11.372	VV	14197	265127	58.54%	1.280%
169	11.385	11.372	11.421	VV	3024	73700	16.27%	0.356%
170	11.474	11.421	11.500	VV	2324	100892	22.28%	0.487%
171	11.524	11.500	11.571	VV	2450	92051	20.32%	0.444%
172	11.601	11.571	11.624	VV	2464	68747	15.18%	0.332%
173	11.660	11.624	11.714	VV	3168	118083	26.07%	0.570%
174	11.722	11.714	11.738	VV	1863	25109	5.54%	0.121%
175	11.758	11.738	11.778	VV	2011	46441	10.25%	0.224%
176	11.797	11.778	11.811	VV	1980	37217	8.22%	0.180%
177	11.828	11.811	11.851	VV	2030	46339	10.23%	0.224%
178	11.872	11.851	11.888	VV	2017	41505	9.16%	0.200%
179	11.963	11.888	11.982	VV	2196	110654	24.43%	0.534%
180	11.994	11.982	12.015	VV	1947	35821	7.91%	0.173%
181	12.057	12.015	12.103	VV	7302	164545	36.33%	0.794%
182	12.119	12.103	12.147	VV	1832	45249	9.99%	0.218%
183	12.162	12.147	12.188	VV	1776	37662	8.32%	0.182%
184	12.230	12.188	12.250	VV	1979	63175	13.95%	0.305%
185	12.267	12.250	12.316	VV	1809	62766	13.86%	0.303%
186	12.339	12.316	12.349	VV	1661	29383	6.49%	0.142%
187	12.356	12.349	12.393	VV	1570	39029	8.62%	0.188%
188	12.524	12.464	12.543	VV	1601	69885	15.43%	0.337%
189	12.555	12.543	12.577	VV	1531	28188	6.22%	0.136%
190	12.612	12.577	12.638	VV	2906	71374	15.76%	0.344%
191	12.651	12.638	12.694	VV	1616	46193	10.20%	0.223%
192	12.741	12.694	12.755	VV	1423	47529	10.49%	0.229%
193	12.766	12.755	12.802	VV	1416	35470	7.83%	0.171%
194	12.823	12.802	12.845	VV	1192	29502	6.51%	0.142%

195	12.923	12.881	12.963	VV	1164	52518	11.60%	0.253%
196	12.991	12.963	13.044	VV	1100	47149	10.41%	0.228%
197	13.068	13.044	13.108	VV	1039	36024	7.95%	0.174%
198	13.135	13.108	13.164	VV	1094	33377	7.37%	0.161%
199	13.189	13.164	13.231	VV	1256	39683	8.76%	0.192%
200	13.269	13.231	13.316	VV	1282	47578	10.50%	0.230%
201	13.336	13.316	13.358	VV	869	19537	4.31%	0.094%
202	13.385	13.358	13.394	VV	843	17067	3.77%	0.082%
203	13.416	13.394	13.449	VV	908	26112	5.77%	0.126%
204	13.458	13.449	13.474	VV	709	9482	2.09%	0.046%
205	13.492	13.474	13.531	VV	662	20210	4.46%	0.098%
206	13.556	13.531	13.579	VV	681	17421	3.85%	0.084%
207	13.596	13.579	13.624	VV	612	15204	3.36%	0.073%
208	13.641	13.624	13.667	VV	613	14100	3.11%	0.068%
209	13.762	13.744	13.791	VV	956	21274	4.70%	0.103%
210	13.815	13.791	13.857	VV	580	20531	4.53%	0.099%
211	13.872	13.857	13.891	VV	521	9450	2.09%	0.046%
212	14.057	14.051	14.068	VV	377	3447	0.76%	0.017%
213	14.103	14.068	14.128	VV	530	14146	3.12%	0.068%
214	14.198	14.181	14.231	VV	347	8753	1.93%	0.042%
215	14.238	14.231	14.254	VV	277	3734	0.82%	0.018%
216	14.265	14.254	14.274	VV	276	2910	0.64%	0.014%
217	14.298	14.274	14.308	VV	347	6136	1.35%	0.030%
218	14.314	14.308	14.348	VV	352	6531	1.44%	0.032%
219	14.370	14.348	14.437	VV	328	13666	3.02%	0.066%
220	14.455	14.437	14.478	VV	327	6156	1.36%	0.030%
221	14.485	14.478	14.492	VV	247	1854	0.41%	0.009%
222	14.499	14.492	14.511	VV	257	2279	0.50%	0.011%
223	14.524	14.511	14.558	VV	245	5426	1.20%	0.026%
224	14.572	14.558	14.581	VV	219	2884	0.64%	0.014%
225	14.597	14.581	14.629	VV	234	5606	1.24%	0.027%
226	14.644	14.629	14.660	VV	162	2684	0.59%	0.013%
227	14.700	14.660	14.755	VV	314	10610	2.34%	0.051%
228	14.774	14.755	14.805	VV	207	4472	0.99%	0.022%
229	14.843	14.805	14.921	VV	204	9408	2.08%	0.045%
230	14.938	14.921	14.978	VV	215	5372	1.19%	0.026%
231	14.988	14.978	14.997	VV	152	1363	0.30%	0.007%
232	15.024	14.997	15.048	VV	151	4484	0.99%	0.022%
233	15.090	15.048	15.210	VV	256	14762	3.26%	0.071%
234	15.232	15.210	15.256	PV	121	2096	0.46%	0.010%
235	15.304	15.256	15.360	VV	186	5556	1.23%	0.027%
236	15.386	15.360	15.461	VV	219	7001	1.55%	0.034%
237	15.479	15.461	15.503	VV	95	1931	0.43%	0.009%
238	15.516	15.503	15.540	VV	136	2377	0.52%	0.011%
239	15.560	15.540	15.608	VV	267	5491	1.21%	0.026%
240	15.612	15.608	15.634	VV	109	1225	0.27%	0.006%
241	15.642	15.634	15.651	VV	107	856	0.19%	0.004%
242	15.663	15.651	15.751	VV	96	4404	0.97%	0.021%
243	15.773	15.751	15.784	PV	70	1166	0.26%	0.006%
244	15.809	15.784	15.846	VV	170	2471	0.55%	0.012%
245	15.862	15.846	15.871	VV	108	1138	0.25%	0.005%
246	15.912	15.871	15.928	VV	143	3224	0.71%	0.016%

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247	15.935	15.928	15.942	VV	131	854	0.19%	0.004%
248	15.964	15.942	16.008	VV	178	4910	1.08%	0.024%
249	16.037	16.008	16.054	VV	222	3572	0.79%	0.017%
250	16.079	16.054	16.128	VV	257	7212	1.59%	0.035%
251	16.136	16.128	16.149	VV	97	971	0.21%	0.005%
252	16.159	16.149	16.168	VV	124	829	0.18%	0.004%
253	16.171	16.168	16.194	VV	124	952	0.21%	0.005%
254	16.201	16.194	16.214	VV	113	612	0.14%	0.003%
255	16.223	16.214	16.230	PV	113	729	0.16%	0.004%
256	16.242	16.230	16.268	VV	145	2247	0.50%	0.011%
257	16.293	16.268	16.311	VV	147	2729	0.60%	0.013%
258	16.333	16.311	16.346	VV	128	2157	0.48%	0.010%
259	16.365	16.346	16.378	VV	136	1828	0.40%	0.009%
260	16.413	16.378	16.425	VV	153	2944	0.65%	0.014%
261	16.435	16.425	16.476	VV	108	2124	0.47%	0.010%
262	16.486	16.476	16.514	VV	101	1503	0.33%	0.007%
263	16.525	16.514	16.545	VV	83	1251	0.28%	0.006%
264	16.575	16.545	16.598	VV	260	4420	0.98%	0.021%
265	16.606	16.598	16.634	VV	119	1883	0.42%	0.009%
266	16.649	16.634	16.672	PV	101	1130	0.25%	0.005%
267	16.755	16.672	16.768	VV	116	3546	0.78%	0.017%
268	16.820	16.768	16.878	VV	116	3104	0.69%	0.015%
269	16.902	16.878	16.912	VV	86	1369	0.30%	0.007%
270	16.919	16.912	16.932	VV	75	722	0.16%	0.003%
271	16.941	16.932	16.949	VV	113	645	0.14%	0.003%
272	17.055	16.949	17.076	PV	370	8701	1.92%	0.042%
273	17.084	17.076	17.107	VV	82	1229	0.27%	0.006%
274	17.117	17.107	17.142	VV	78	868	0.19%	0.004%
275	17.151	17.142	17.181	VV	106	1556	0.34%	0.008%
276	17.190	17.181	17.222	VV	110	1458	0.32%	0.007%
277	17.241	17.222	17.282	VV	101	1837	0.41%	0.009%
278	17.409	17.282	17.421	VV	124	4258	0.94%	0.021%
279	17.441	17.421	17.460	VV	84	1574	0.35%	0.008%
280	17.519	17.460	17.555	PV	616	11072	2.44%	0.053%
281	17.571	17.555	17.611	VV	124	2313	0.51%	0.011%
282	17.621	17.611	17.630	VV	54	451	0.10%	0.002%
283	17.675	17.630	17.711	PV	136	1847	0.41%	0.009%
284	17.807	17.711	17.836	PV	67	3095	0.68%	0.015%
285	17.872	17.836	17.894	VV	134	2058	0.45%	0.010%
286	17.969	17.894	18.004	VV	1034	14047	3.10%	0.068%
287	18.094	18.004	18.108	VV	87	3696	0.82%	0.018%
288	18.134	18.108	18.161	VV	87	1644	0.36%	0.008%
289	18.185	18.161	18.204	PV	98	1170	0.26%	0.006%
290	18.248	18.204	18.292	VV	102	2565	0.57%	0.012%
291	18.402	18.292	18.430	PV	1472	22474	4.96%	0.108%
292	18.443	18.430	18.474	VV	100	1656	0.37%	0.008%
293	18.498	18.474	18.508	VV	98	1254	0.28%	0.006%
294	18.511	18.508	18.521	VV	63	283	0.06%	0.001%

Sum of corrected areas: 20720497

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-7DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-06DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FF015502.D	50	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	138		17.7	39.2	mg/kg
Aromatic C12-C16	Aromatic C12-C16	672		20.0	58.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	795		56.5	98.1	mg/kg
Aromatic C21-C36	Aromatic C21-C36	117	U	117	156	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	1.60		40 - 140	160%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	0.78		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.84		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:	Q1308-06DL2	Acq On:	08 Feb 2025 00:57
Client Sample ID:	EX-11-TPH-7DL2	Operator:	YP\AJ
Data file:	FF015502.D	Misc:	
Instrument:	FID_F	ALS Vial:	86
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	4860228	35.188	200	ug/ml
Aromatic C12-C16	6.375	9.068	22979946	171.281	300	ug/ml
Aromatic C16-C21	9.069	13.385	24981048	202.767	500	ug/ml
Aromatic C21-C36	13.386	18.838	1153637	9.795	800	ug/ml
Aromatic EPH	4.505	18.838	53974859	419.032		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	110214	0.84		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	189903	1.6		ug/ml
2-Flurobiphenyl (SURR)	8.874	8.874	58926	0.78		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015502.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:57
Operator : YP\AJ
Sample : Q1308-06DL2 50X
Misc :
ALS Vial : 86 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:39:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-7DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.996	189903	1.598 ug/mlm
Spiked Amount 50.000		Recovery =	3.20%
6) S 2-Flurobiphenyl (SURR)	8.874	58926	0.776 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	1.55%
11) S ortho-Terphenyl (SURR)	11.931	110214	0.836 ug/mlm
Spiked Amount 50.000		Recovery =	1.67%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015502.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:57
Operator : YP\AJ
Sample : Q1308-06DL2 50X
Misc :
ALS Vial : 86 Sample Multiplier: 1

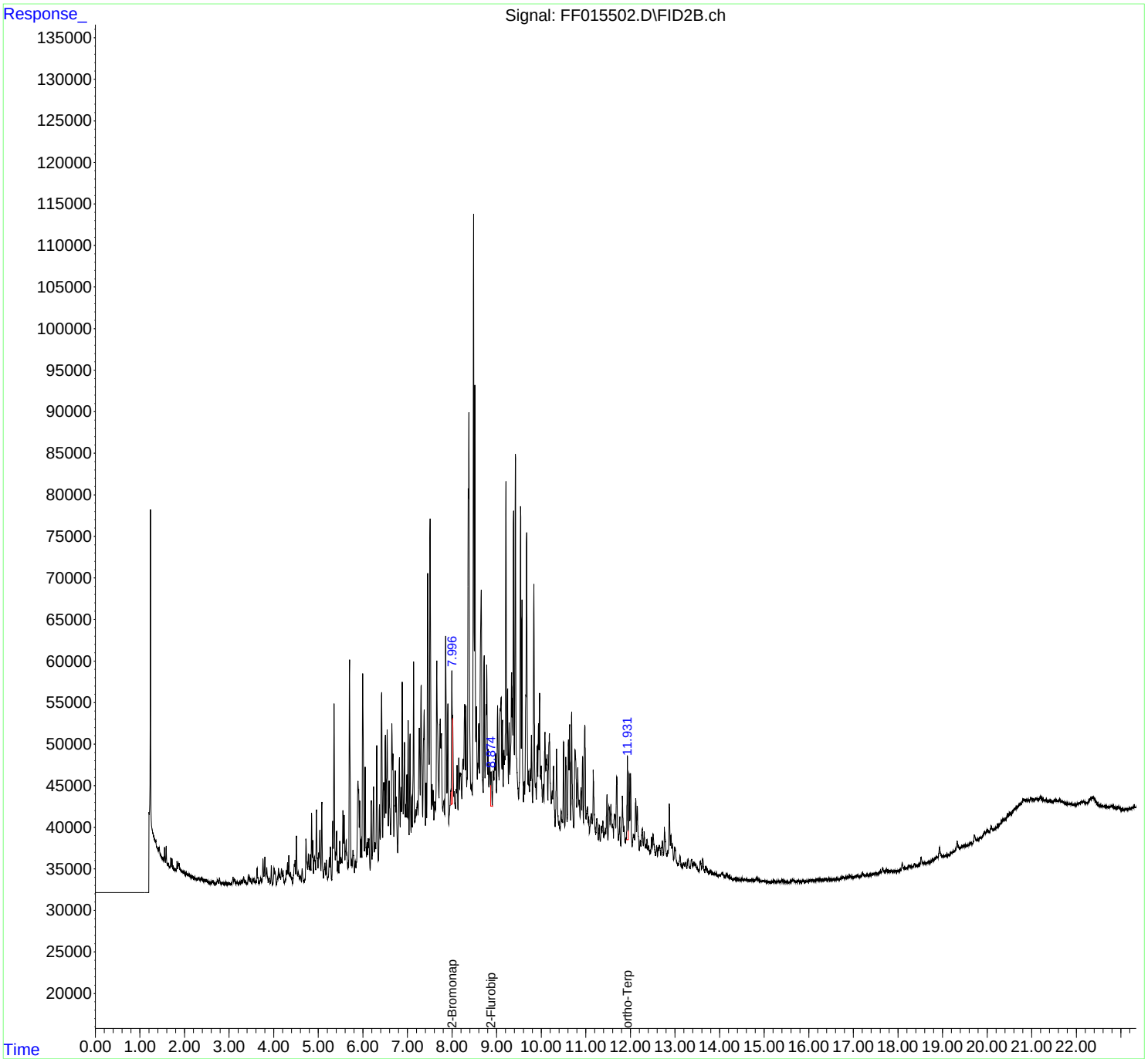
Integration File: autoint1.e
Quant Time: Feb 10 00:39:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

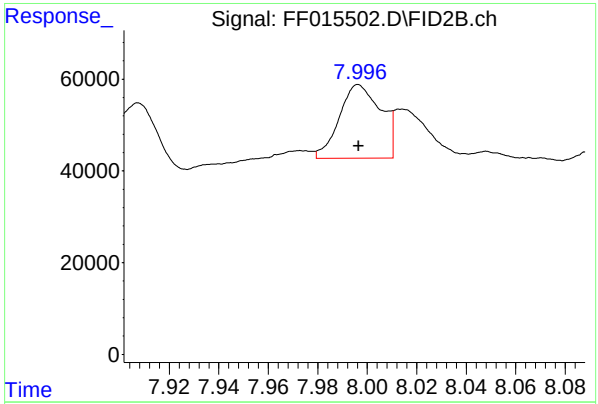
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7DL2

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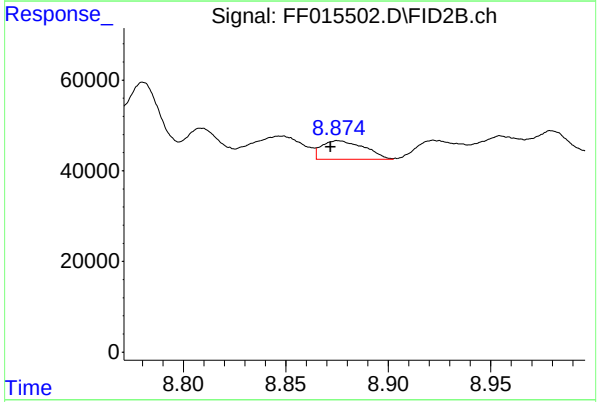
#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.000 mi
Response: 189903
Conc: 1.60 ug/m

Instrument :
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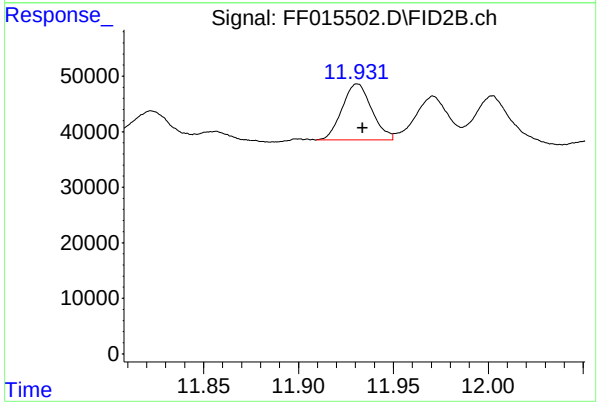
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.874 min
Delta R.T.: 0.003 min
Response: 58926
Conc: 0.78 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.003 min
Response: 110214
Conc: 0.84 ug/ml m

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rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015502.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 00:57
Sample : Q1308-06DL2 50X
Misc :
ALS Vial : 86 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.462	4.400	4.469	BV	1920	14972	0.99%	0.027%
2	4.479	4.469	4.492	VV	2343	24333	1.60%	0.044%
3	4.509	4.492	4.535	VV	5321	66040	4.36%	0.120%
4	4.550	4.535	4.590	VV	1073	22535	1.49%	0.041%
5	4.601	4.590	4.618	VV	648	7009	0.46%	0.013%
6	4.638	4.618	4.682	VV	1633	22836	1.51%	0.042%
7	4.701	4.682	4.705	PV	352	2878	0.19%	0.005%
8	4.725	4.705	4.763	VV	5247	89666	5.91%	0.163%
9	4.780	4.763	4.807	VV	3429	59705	3.94%	0.109%
10	4.823	4.807	4.836	VV	3328	41190	2.72%	0.075%
11	4.852	4.836	4.865	VV	8298	89556	5.91%	0.163%
12	4.876	4.865	4.892	VV	5056	53787	3.55%	0.098%
13	4.912	4.892	4.941	VV	3002	68005	4.48%	0.124%
14	4.958	4.941	4.995	VV	8767	138632	9.14%	0.253%
15	5.009	4.995	5.018	VV	3569	40166	2.65%	0.073%
16	5.035	5.018	5.059	VV	6325	95126	6.27%	0.173%
17	5.079	5.059	5.117	VV	9658	133255	8.79%	0.243%
18	5.148	5.117	5.167	VV	2355	45305	2.99%	0.083%
19	5.182	5.167	5.209	VV	2648	37615	2.48%	0.069%
20	5.247	5.209	5.260	VV	2986	45466	3.00%	0.083%
21	5.274	5.260	5.300	VV	4294	52986	3.49%	0.097%
22	5.326	5.300	5.337	VV	7359	81224	5.36%	0.148%
23	5.355	5.337	5.381	VV	21509	268390	17.70%	0.489%
24	5.411	5.381	5.429	VV	6141	107958	7.12%	0.197%
25	5.445	5.429	5.462	VV	2539	37689	2.49%	0.069%
26	5.482	5.462	5.498	VV	4942	69723	4.60%	0.127%
27	5.509	5.498	5.520	VV	3084	36088	2.38%	0.066%
28	5.526	5.520	5.533	VV	2567	19099	1.26%	0.035%
29	5.554	5.533	5.568	VV	8583	115954	7.65%	0.211%
30	5.582	5.568	5.598	VV	8112	102453	6.76%	0.187%
31	5.626	5.598	5.639	VV	5096	97991	6.46%	0.179%
32	5.645	5.639	5.661	VV	3425	34553	2.28%	0.063%
33	5.672	5.661	5.681	VV	2378	24348	1.61%	0.044%
34	5.700	5.681	5.740	VV	26736	407564	26.88%	0.743%
35	5.750	5.740	5.762	VV	2622	30471	2.01%	0.056%
36	5.778	5.762	5.812	VV	3892	83484	5.51%	0.152%

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37	5.831	5.812	5.845	VV	2537	40933	2.70%	0.075%
38	5.890	5.845	5.920	VV	12183	328108	21	
39	5.930	5.920	5.949	VV	9773	114300	7	
40	5.965	5.949	5.978	VV	5219	70911	4	
41	5.997	5.978	6.035	VV	25082	448133	29	
42	6.052	6.035	6.082	VV	13918	195322	12	
43	6.094	6.082	6.105	VV	4799	55294	3.65%	0.101%
44	6.117	6.105	6.128	VV	5280	62223	4.10%	0.113%
45	6.138	6.128	6.164	VV	5178	77337	5.10%	0.141%
46	6.188	6.164	6.206	VV	9850	128948	8.50%	0.235%
47	6.241	6.206	6.259	VV	11554	210179	13.86%	0.383%
48	6.271	6.259	6.290	VV	4802	82517	5.44%	0.150%
49	6.312	6.290	6.348	VV	16493	275812	18.19%	0.503%
50	6.372	6.348	6.388	VV	9336	141464	9.33%	0.258%
51	6.421	6.388	6.446	VV	22866	437691	28.86%	0.797%
52	6.462	6.446	6.469	VV	11984	129363	8.53%	0.236%
53	6.476	6.469	6.490	VV	12022	134404	8.86%	0.245%
54	6.504	6.490	6.518	VV	17743	213278	14.07%	0.389%
55	6.546	6.518	6.572	VV	18354	386854	25.51%	0.705%
56	6.589	6.572	6.623	VV	12192	266503	17.58%	0.486%
57	6.652	6.623	6.667	VV	19056	327174	21.58%	0.596%
58	6.675	6.667	6.696	VV	15443	198658	13.10%	0.362%
59	6.728	6.696	6.740	VV	13440	254303	16.77%	0.463%
60	6.750	6.740	6.782	VV	10277	180485	11.90%	0.329%
61	6.819	6.782	6.837	VV	14935	304581	20.09%	0.555%
62	6.856	6.837	6.867	VV	11390	171491	11.31%	0.312%
63	6.884	6.867	6.905	VV	24079	346928	22.88%	0.632%
64	6.934	6.905	6.951	VV	16878	323398	21.33%	0.589%
65	6.960	6.951	6.970	VV	9400	97373	6.42%	0.177%
66	6.987	6.970	7.001	VV	12994	199095	13.13%	0.363%
67	7.017	7.001	7.037	VV	19436	256179	16.89%	0.467%
68	7.058	7.037	7.081	VV	17852	291210	19.20%	0.531%
69	7.096	7.081	7.107	VV	10297	129632	8.55%	0.236%
70	7.140	7.107	7.170	VV	26683	493303	32.53%	0.899%
71	7.185	7.170	7.195	VV	8768	122029	8.05%	0.222%
72	7.220	7.195	7.238	VV	9597	228071	15.04%	0.416%
73	7.267	7.238	7.287	VV	18563	400354	26.40%	0.729%
74	7.306	7.287	7.341	VV	23684	509212	33.58%	0.928%
75	7.375	7.341	7.405	VV	20762	554203	36.55%	1.010%
76	7.420	7.405	7.433	VV	11985	156365	10.31%	0.285%
77	7.455	7.433	7.489	VV	37244	739877	48.79%	1.348%
78	7.508	7.489	7.539	VV	43730	751528	49.56%	1.369%
79	7.554	7.539	7.567	VV	11802	178202	11.75%	0.325%
80	7.579	7.567	7.594	VV	11018	153044	10.09%	0.279%
81	7.612	7.594	7.630	VV	9669	195740	12.91%	0.357%
82	7.658	7.630	7.707	VV	26625	737628	48.65%	1.344%
83	7.735	7.707	7.749	VV	19669	407864	26.90%	0.743%
84	7.761	7.749	7.795	VV	17952	363021	23.94%	0.661%
85	7.819	7.795	7.834	VV	9796	215658	14.22%	0.393%
86	7.858	7.834	7.888	VV	29704	592654	39.08%	1.080%
87	7.907	7.888	7.927	VV	21521	343559	22.66%	0.626%
88	7.996	7.927	8.009	VV	25480	631425	41.64%	1.150%
89	8.014	8.009	8.042	VV	20104	305818	20.17%	0.557%

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90	8.048	8.042	8.078	VV	10963	215441	14.21%	0.393%
91	8.092	8.078	8.099	VV	11201	129659	8	
92	8.114	8.099	8.133	VV	14083	238742	15	
93	8.152	8.133	8.170	VV	14994	272468	17	
94	8.194	8.170	8.219	VV	13106	362910	23	
95	8.249	8.219	8.259	VV	14867	317523	20	
96	8.287	8.259	8.302	VV	21447	457727	30.19%	0.834%
97	8.314	8.302	8.330	VV	21116	269392	17.77%	0.491%
98	8.379	8.330	8.425	VV	56331	1516340	100.00%	2.763%
99	8.439	8.425	8.453	VV	11727	185724	12.25%	0.338%
100	8.484	8.453	8.499	VV	80363	1060362	69.93%	1.932%
101	8.512	8.499	8.533	VV	59895	787937	51.96%	1.436%
102	8.547	8.533	8.567	VV	21155	355178	23.42%	0.647%
103	8.577	8.567	8.582	VV	14340	123778	8.16%	0.226%
104	8.599	8.582	8.618	VV	19094	358307	23.63%	0.653%
105	8.655	8.618	8.699	VV	35165	1049262	69.20%	1.912%
106	8.720	8.699	8.740	VV	27319	447491	29.51%	0.815%
107	8.762	8.740	8.768	VV	21395	285052	18.80%	0.519%
108	8.780	8.768	8.798	VV	26195	374765	24.72%	0.683%
109	8.809	8.798	8.825	VV	16036	228906	15.10%	0.417%
110	8.847	8.825	8.864	VV	14311	303011	19.98%	0.552%
111	8.876	8.864	8.903	VV	13311	273946	18.07%	0.499%
112	8.922	8.903	8.939	VV	13385	264637	17.45%	0.482%
113	8.955	8.939	8.967	VV	14353	223109	14.71%	0.406%
114	8.980	8.967	8.999	VV	15468	261655	17.26%	0.477%
115	9.023	8.999	9.055	VV	21249	519894	34.29%	0.947%
116	9.100	9.055	9.118	VV	22260	708696	46.74%	1.291%
117	9.132	9.118	9.148	VV	19546	283835	18.72%	0.517%
118	9.162	9.148	9.172	VV	15910	204044	13.46%	0.372%
119	9.182	9.172	9.188	VV	15217	141046	9.30%	0.257%
120	9.210	9.188	9.231	VV	48236	742773	48.98%	1.353%
121	9.246	9.231	9.266	VV	23291	381044	25.13%	0.694%
122	9.282	9.266	9.298	VV	19192	294027	19.39%	0.536%
123	9.335	9.298	9.346	VV	25170	529792	34.94%	0.965%
124	9.354	9.346	9.364	VV	22166	226001	14.90%	0.412%
125	9.380	9.364	9.398	VV	44598	584744	38.56%	1.065%
126	9.421	9.398	9.492	VV	51543	1171159	77.24%	2.134%
127	9.537	9.492	9.555	VV	45160	799542	52.73%	1.457%
128	9.569	9.555	9.603	VV	34058	559700	36.91%	1.020%
129	9.617	9.603	9.632	VV	12095	191230	12.61%	0.348%
130	9.674	9.632	9.706	VV	42126	993474	65.52%	1.810%
131	9.718	9.706	9.735	VV	13334	221244	14.59%	0.403%
132	9.758	9.735	9.767	VV	13498	236611	15.60%	0.431%
133	9.782	9.767	9.808	VV	17684	325972	21.50%	0.594%
134	9.837	9.808	9.871	VV	35882	718079	47.36%	1.308%
135	9.878	9.871	9.891	VV	11822	137969	9.10%	0.251%
136	9.911	9.891	9.925	VV	16359	272414	17.97%	0.496%
137	9.940	9.925	9.950	VV	19098	255187	16.83%	0.465%
138	9.963	9.950	9.987	VV	22831	386123	25.46%	0.703%
139	10.000	9.987	10.025	VV	14038	281833	18.59%	0.513%
140	10.045	10.025	10.061	VV	11809	229056	15.11%	0.417%
141	10.084	10.061	10.103	VV	18089	373336	24.62%	0.680%

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142	10.115	10.103	10.122	VV	14829	157396	10.38%	0.287%
143	10.132	10.122	10.150	VV	15359	225842	14	
144	10.182	10.150	10.226	VV	17897	623206	41	
145	10.247	10.226	10.257	VV	11042	192653	12	
146	10.277	10.257	10.312	VV	13952	349581	23	
147	10.343	10.312	10.391	VV	16097	495641	32	
148	10.401	10.391	10.424	VV	7290	134129	8.85%	0.244%
149	10.446	10.424	10.460	VV	8602	165076	10.89%	0.301%
150	10.467	10.460	10.480	VV	7509	89221	5.88%	0.163%
151	10.503	10.480	10.528	VV	16849	306845	20.24%	0.559%
152	10.553	10.528	10.581	VV	15101	340174	22.43%	0.620%
153	10.610	10.581	10.624	VV	17113	309263	20.40%	0.563%
154	10.638	10.624	10.664	VV	18989	333840	22.02%	0.608%
155	10.683	10.664	10.729	VV	20489	459599	30.31%	0.837%
156	10.757	10.729	10.799	VV	15972	506338	33.39%	0.923%
157	10.820	10.799	10.850	VV	13813	340106	22.43%	0.620%
158	10.855	10.850	10.871	VV	9915	109941	7.25%	0.200%
159	10.893	10.871	10.910	VV	11412	235160	15.51%	0.428%
160	10.928	10.910	10.948	VV	15202	252108	16.63%	0.459%
161	10.978	10.948	11.006	VV	18865	434065	28.63%	0.791%
162	11.035	11.006	11.055	VV	9109	244117	16.10%	0.445%
163	11.064	11.055	11.080	VV	7878	107054	7.06%	0.195%
164	11.123	11.080	11.144	VV	8271	277953	18.33%	0.506%
165	11.168	11.144	11.222	VV	13513	407189	26.85%	0.742%
166	11.246	11.222	11.280	VV	7666	228209	15.05%	0.416%
167	11.300	11.280	11.325	VV	6924	159774	10.54%	0.291%
168	11.344	11.325	11.362	VV	6770	135313	8.92%	0.247%
169	11.382	11.362	11.402	VV	7420	154744	10.21%	0.282%
170	11.438	11.402	11.449	VV	6520	169323	11.17%	0.308%
171	11.474	11.449	11.495	VV	10591	220209	14.52%	0.401%
172	11.516	11.495	11.544	VV	9197	232849	15.36%	0.424%
173	11.561	11.544	11.587	VV	9410	209670	13.83%	0.382%
174	11.594	11.587	11.621	VV	7043	133322	8.79%	0.243%
175	11.641	11.621	11.671	VV	8189	222547	14.68%	0.405%
176	11.694	11.671	11.728	VV	12742	299844	19.77%	0.546%
177	11.761	11.728	11.783	VV	7908	201503	13.29%	0.367%
178	11.823	11.783	11.847	VV	10434	275558	18.17%	0.502%
179	11.856	11.847	11.885	VV	6695	132478	8.74%	0.241%
180	11.900	11.885	11.909	VV	5363	71189	4.69%	0.130%
181	11.931	11.909	11.951	VV	15310	241322	15.91%	0.440%
182	11.971	11.951	11.986	VV	13097	205094	13.53%	0.374%
183	12.002	11.986	12.038	VV	13133	254908	16.81%	0.464%
184	12.073	12.038	12.096	VV	5764	183480	12.10%	0.334%
185	12.119	12.096	12.135	VV	10123	175248	11.56%	0.319%
186	12.152	12.135	12.200	VV	9210	248307	16.38%	0.452%
187	12.219	12.200	12.237	VV	5064	102074	6.73%	0.186%
188	12.263	12.237	12.290	VV	6358	169532	11.18%	0.309%
189	12.308	12.290	12.330	VV	6130	127181	8.39%	0.232%
190	12.339	12.330	12.357	VV	4499	68835	4.54%	0.125%
191	12.372	12.357	12.395	VV	5221	106011	6.99%	0.193%
192	12.408	12.395	12.423	VV	4395	68474	4.52%	0.125%
193	12.427	12.423	12.442	VV	3880	43238	2.85%	0.079%
194	12.473	12.442	12.488	VV	5433	121517	8.01%	0.221%

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195	12.508	12.488	12.564	VV	5870	204628	13.49%	0.373%
196	12.589	12.564	12.607	VV	4426	99514	6	
197	12.622	12.607	12.634	VV	4229	61807	4	
198	12.650	12.634	12.684	VV	4503	120867	7	
199	12.717	12.684	12.742	VV	5030	144033	9	
200	12.763	12.742	12.817	VV	6674	208179	13	
201	12.872	12.817	12.894	VV	9489	239621	15.80%	0.437%
202	12.908	12.894	12.925	VV	5705	95078	6.27%	0.173%
203	12.939	12.925	12.967	VV	4712	96101	6.34%	0.175%
204	12.991	12.967	13.055	VV	4280	169500	11.18%	0.309%
205	13.062	13.055	13.079	VV	2285	30782	2.03%	0.056%
206	13.112	13.079	13.156	VV	3209	114452	7.55%	0.209%
207	13.185	13.156	13.219	VV	2416	79308	5.23%	0.144%
208	13.239	13.219	13.267	VV	2444	62896	4.15%	0.115%
209	13.293	13.267	13.339	VV	2867	95416	6.29%	0.174%
210	13.370	13.339	13.405	VV	2821	93007	6.13%	0.169%
211	13.422	13.405	13.444	VV	2427	52076	3.43%	0.095%
212	13.459	13.444	13.485	VV	2243	51475	3.39%	0.094%
213	13.490	13.485	13.530	VV	1895	42735	2.82%	0.078%
214	13.535	13.530	13.543	VV	1427	11407	0.75%	0.021%
215	13.570	13.543	13.601	VV	2604	70141	4.63%	0.128%
216	13.621	13.601	13.669	VV	2889	80100	5.28%	0.146%
217	13.685	13.669	13.700	VV	1965	30704	2.02%	0.056%
218	13.715	13.700	13.751	VV	1780	46106	3.04%	0.084%
219	13.759	13.751	13.775	VV	1371	19279	1.27%	0.035%
220	13.793	13.775	13.832	VV	1509	44341	2.92%	0.081%
221	13.837	13.832	13.857	VV	1147	15874	1.05%	0.029%
222	13.874	13.857	13.909	VV	1146	33243	2.19%	0.061%
223	13.918	13.909	13.967	VV	1133	32358	2.13%	0.059%
224	13.984	13.967	14.005	VV	1025	20426	1.35%	0.037%
225	14.012	14.005	14.018	VV	861	6383	0.42%	0.012%
226	14.038	14.018	14.057	VV	1176	23782	1.57%	0.043%
227	14.067	14.057	14.125	VV	1193	36785	2.43%	0.067%
228	14.165	14.125	14.189	VV	1051	33312	2.20%	0.061%
229	14.200	14.189	14.225	VV	891	16343	1.08%	0.030%
230	14.229	14.225	14.251	VV	704	10032	0.66%	0.018%
231	14.255	14.251	14.304	VV	619	15627	1.03%	0.028%
232	14.352	14.304	14.405	VV	619	26782	1.77%	0.049%
233	14.412	14.405	14.418	VV	379	2580	0.17%	0.005%
234	14.441	14.418	14.462	VV	465	9334	0.62%	0.017%
235	14.498	14.462	14.535	VV	599	16312	1.08%	0.030%
236	14.557	14.535	14.570	VV	487	7863	0.52%	0.014%
237	14.585	14.570	14.676	VV	437	19475	1.28%	0.035%
238	14.695	14.676	14.724	VV	322	8459	0.56%	0.015%
239	14.738	14.724	14.770	VV	381	8750	0.58%	0.016%
240	14.839	14.770	14.889	VV	605	27389	1.81%	0.050%
241	14.902	14.889	14.938	VV	325	6999	0.46%	0.013%
242	14.957	14.938	14.967	VV	265	3323	0.22%	0.006%
243	14.986	14.967	15.017	VV	284	6412	0.42%	0.012%
244	15.029	15.017	15.102	VV	214	6829	0.45%	0.012%
245	15.117	15.102	15.145	VV	159	2197	0.14%	0.004%
246	15.227	15.171	15.255	VV	228	7344	0.48%	0.013%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-7DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	15.270	15.255	15.302	VV	198	3669	0.24%	0.007%
248	15.325	15.302	15.345	VV	259	4494		
249	15.399	15.345	15.470	VV	295	13023		
250	15.485	15.470	15.497	VV	158	1691		
251	15.506	15.497	15.575	VV	117	3332		
252	15.606	15.575	15.615	PV	240	3372		
253	15.646	15.615	15.726	VV	364	12328	0.81%	0.022%
254	15.770	15.726	15.804	VV	213	5000	0.33%	0.009%
255	15.872	15.822	15.934	VV	185	5492	0.36%	0.010%
256	15.966	15.934	15.977	PV	136	1795	0.12%	0.003%
257	16.025	15.977	16.034	VV	190	3818	0.25%	0.007%
258	16.042	16.034	16.055	VV	175	1795	0.12%	0.003%
259	16.074	16.055	16.107	VV	189	4115	0.27%	0.007%
260	16.133	16.107	16.155	VV	157	3012	0.20%	0.005%
261	16.181	16.155	16.235	VV	282	8296	0.55%	0.015%
262	16.257	16.235	16.269	VV	241	3759	0.25%	0.007%
263	16.276	16.269	16.319	VV	174	3472	0.23%	0.006%
264	16.360	16.337	16.371	VV	217	2804	0.18%	0.005%
265	16.388	16.371	16.419	VV	181	3507	0.23%	0.006%
266	16.455	16.419	16.492	VV	178	4605	0.30%	0.008%
267	16.562	16.525	16.594	VV	131	2327	0.15%	0.004%
268	16.624	16.594	16.675	VV	99	2539	0.17%	0.005%
269	16.742	16.675	16.765	VV	257	6409	0.42%	0.012%
270	16.775	16.765	16.820	VV	195	4811	0.32%	0.009%
271	16.832	16.820	16.850	VV	119	2269	0.15%	0.004%
272	16.869	16.850	16.877	VV	181	2281	0.15%	0.004%
273	16.917	16.877	16.993	VV	335	11934	0.79%	0.022%
274	17.037	16.993	17.045	PV	145	2907	0.19%	0.005%
275	17.092	17.045	17.135	VV	271	7715	0.51%	0.014%
276	17.207	17.135	17.282	PV	463	14627	0.96%	0.027%
277	17.301	17.282	17.349	VV	166	3339	0.22%	0.006%
278	17.517	17.349	17.535	VV	153	9050	0.60%	0.016%
279	17.600	17.535	17.634	VV	336	11028	0.73%	0.020%
280	17.659	17.634	17.716	VV	704	18082	1.19%	0.033%
281	17.755	17.716	17.784	VV	419	10578	0.70%	0.019%
282	17.827	17.784	17.877	VV	238	8821	0.58%	0.016%
283	17.888	17.877	17.924	VV	105	2091	0.14%	0.004%
284	17.955	17.924	17.982	VV	168	2571	0.17%	0.005%
285	18.095	17.982	18.127	PV	878	17568	1.16%	0.032%
286	18.149	18.127	18.162	VV	209	3738	0.25%	0.007%
287	18.255	18.162	18.309	VV	381	17022	1.12%	0.031%
288	18.369	18.309	18.405	VV	440	10608	0.70%	0.019%
289	18.416	18.405	18.435	VV	152	1643	0.11%	0.003%
290	18.467	18.435	18.495	PV	167	3807	0.25%	0.007%
291	18.519	18.495	18.564	VV	953	19748	1.30%	0.036%
292	18.576	18.564	18.637	VV	233	5728	0.38%	0.010%
293	18.690	18.637	18.703	VV	128	3300	0.22%	0.006%
294	18.721	18.703	18.732	PV	101	1140	0.08%	0.002%

Sum of corrected areas: 54886904

Aromatic EPH 020525.M Mon Feb 10 01:52:57 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-8	SDG No.:	Q1308
Lab Sample ID:	Q1308-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 22:27	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	303		50	20.3	53.4	mg/kg	FE052303.D
Aliphatic C12-C16	Aliphatic C12-C16	444		50	12.8	35.6	mg/kg	FE052303.D
Aliphatic C16-C21	Aliphatic C16-C21	143		50	16.0	53.4	mg/kg	FE052303.D
Aliphatic C21-C28	Aliphatic C21-C28	14.8		1	0.85	1.42	mg/kg	FE052288.D
Aliphatic C28-C40	Aliphatic C28-C40	14.3		1	1.92	2.13	mg/kg	FE052288.D
Aromatic C10-C12	Aromatic C10-C12	39.9		10	3.20	7.12	mg/kg	FF015503.D
Aromatic C12-C16	Aromatic C12-C16	169		10	3.63	10.7	mg/kg	FF015503.D
Aromatic C16-C21	Aromatic C16-C21	186		10	10.2	17.8	mg/kg	FF015503.D
Aromatic C21-C36	Aromatic C21-C36	17.1		1	2.13	2.85	mg/kg	FF015490.D
Total AliphaticEPH	Total AliphaticEPH	919			51.9	146	mg/kg	
Total AromaticEPH	Total AromaticEPH	412			19.2	38.5	mg/kg	
Total EPH	Total EPH	1330			71.0	184	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-8	SDG No.:	Q1308
Lab Sample ID:	Q1308-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052288.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	258	E	0.41	1.07	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	455	E	0.26	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	130	E	0.32	1.07	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.8		0.85	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.3		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.7		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:	Q1308-07	Acq On:	07 Feb 2025 13:27
Client Sample ID:	EX-11-TPH-8	Operator:	YP\AJ
Data file:	FE052288.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	349486064	3630	300	ug/ml
Aliphatic C12-C16	7.236	10.639	669636249	6390	200	ug/ml
Aliphatic C16-C21	10.640	13.984	206659311	1830	300	ug/ml
Aliphatic C21-C28	13.985	17.628	23719200	208.065	400	ug/ml
Aliphatic C28-C40	17.629	22.712	18377160	200.726	600	ug/ml
Aliphatic EPH	3.679	22.712	1267877984	12300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.723	13.723	3227545	32.7		ug/ml
Aliphatic C9-C28	3.679	17.628	1249500824	12100	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052288.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 13:27
Operator : YP\AJ
Sample : Q1308-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:23:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-8

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.723	3227545	32.704 ug/mlm
Spiked Amount 50.000		Recovery = 65.41%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052288.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 13:27
Operator : YP\AJ
Sample : Q1308-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

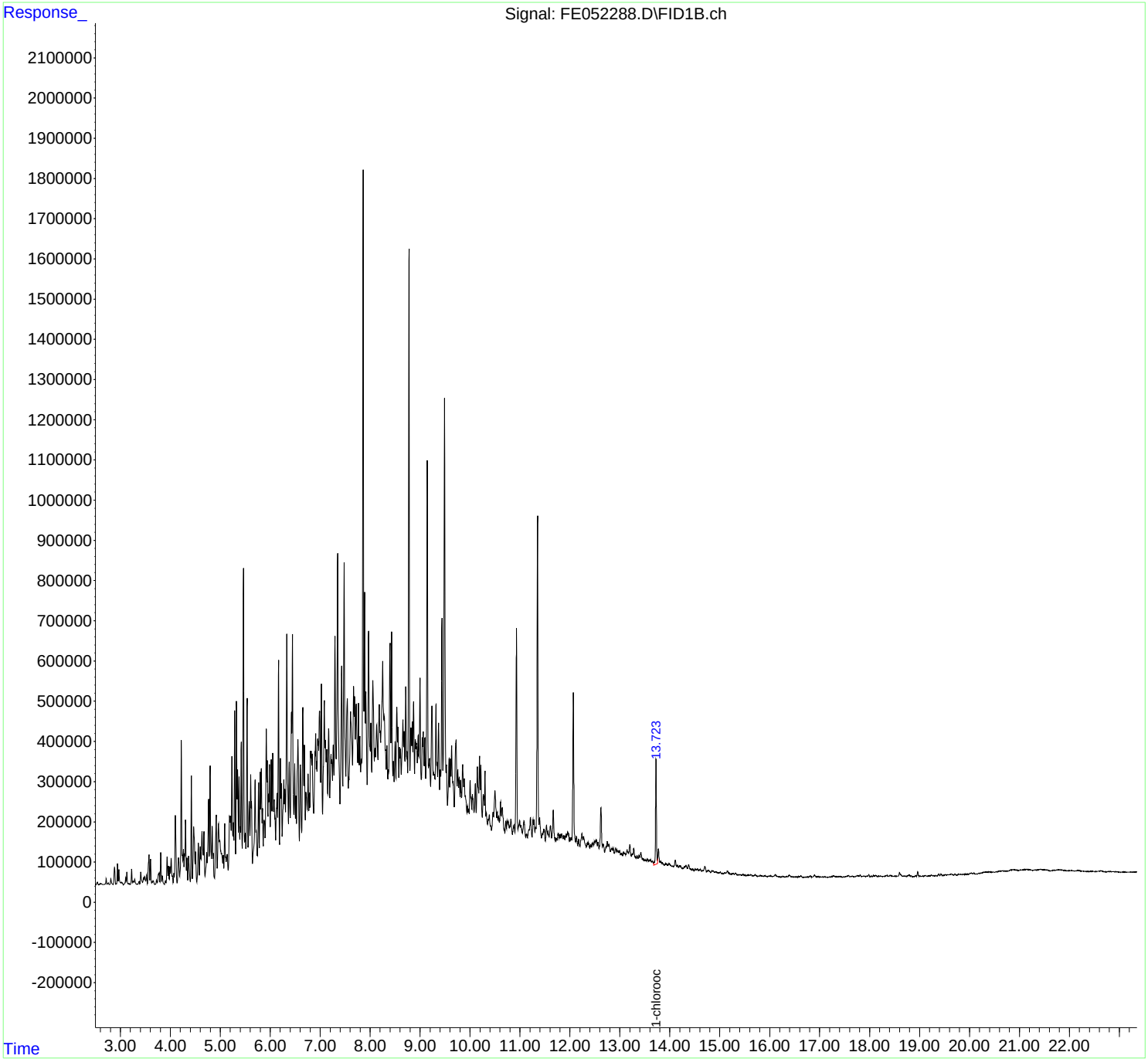
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8

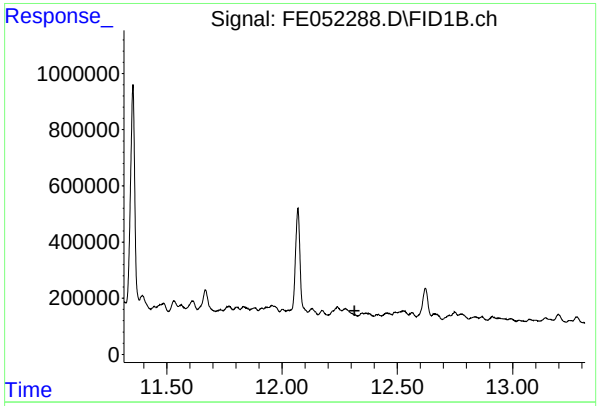
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:23:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





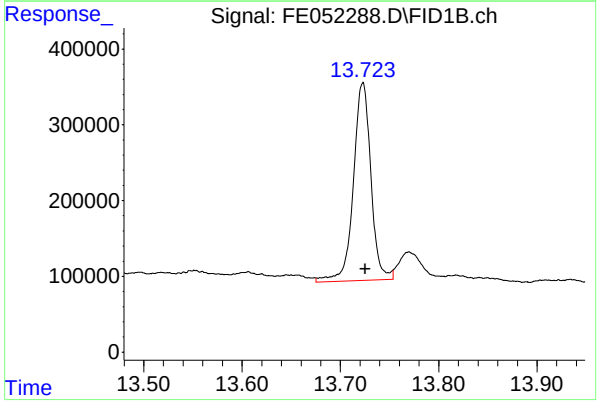
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.723 min
Delta R.T.: -0.003 min
Response: 3227545
Conc: 32.70 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052288.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 13:27
Sample : Q1308-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.225	3.204	3.242	PH	6197	-363562	-1.34%	-0.029%
2	3.256	3.242	3.270	PV	-10749	-198860	-0.73%	-0.016%
3	3.286	3.270	3.341	PV	8819	58766	0.22%	0.005%
4	3.374	3.341	3.388	PV	7749	89312	0.33%	0.007%
5	3.408	3.388	3.442	VV	31104	423711	1.56%	0.033%
6	3.464	3.442	3.475	VV	16461	219271	0.81%	0.017%
7	3.488	3.475	3.506	VV	19105	254334	0.94%	0.020%
8	3.523	3.506	3.541	VV	23504	280213	1.03%	0.022%
9	3.572	3.541	3.588	VV	73313	1088590	4.01%	0.085%
10	3.603	3.588	3.625	VV	62044	676591	2.49%	0.053%
11	3.636	3.625	3.644	VV	6895	62504	0.23%	0.005%
12	3.656	3.644	3.691	VV	9503	132389	0.49%	0.010%
13	3.723	3.691	3.738	PV	11016	116989	0.43%	0.009%
14	3.774	3.738	3.790	VV	28938	557162	2.05%	0.044%
15	3.808	3.790	3.827	VV	79329	848778	3.13%	0.067%
16	3.840	3.827	3.881	VV	21110	260350	0.96%	0.020%
17	3.901	3.881	3.913	PV	8577	91992	0.34%	0.007%
18	3.935	3.913	3.952	VV	68367	806277	2.97%	0.063%
19	3.963	3.952	3.978	VV	45327	467982	1.72%	0.037%
20	3.992	3.978	4.002	VV	43832	439860	1.62%	0.034%
21	4.016	4.002	4.056	VV	65662	1014449	3.74%	0.080%
22	4.100	4.056	4.135	VV	168956	2761659	10.17%	0.217%
23	4.164	4.135	4.187	VV	65219	1136209	4.18%	0.089%
24	4.219	4.187	4.250	VV	356394	4593765	16.92%	0.360%
25	4.262	4.250	4.274	VV	87215	994484	3.66%	0.078%
26	4.304	4.274	4.321	VV	159912	2454792	9.04%	0.192%
27	4.332	4.321	4.348	VV	65168	662716	2.44%	0.052%
28	4.366	4.348	4.401	VV	69945	1067261	3.93%	0.084%
29	4.421	4.401	4.441	VV	269311	2593318	9.55%	0.203%
30	4.468	4.441	4.495	VV	142200	2745206	10.11%	0.215%
31	4.505	4.495	4.529	VV	80278	918401	3.38%	0.072%
32	4.561	4.529	4.580	VV	102368	1513115	5.57%	0.119%
33	4.599	4.580	4.612	VV	92575	1263518	4.65%	0.099%
34	4.633	4.612	4.657	VV	130647	2521037	9.29%	0.198%
35	4.672	4.657	4.694	VV	129744	1694167	6.24%	0.133%
36	4.727	4.694	4.739	VV	77989	1290190	4.75%	0.101%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

37	4.765	4.739	4.779	VV	209100	2987076	11.00%	0.234%
38	4.796	4.779	4.822	VV	293465	3904399	14	
39	4.838	4.822	4.883	VV	143005	2560568	9	
40	4.918	4.883	4.938	VV	170656	2884459	10	
41	4.964	4.938	5.048	VV	148707	6038064	22	
42	5.059	5.048	5.071	VV	70616	789065	2	
43	5.088	5.071	5.119	VV	149374	2396931	8.83%	0.188%
44	5.138	5.119	5.158	VV	73356	1359240	5.01%	0.107%
45	5.187	5.158	5.197	VV	167262	2639599	9.72%	0.207%
46	5.206	5.197	5.217	VV	168915	1818768	6.70%	0.143%
47	5.233	5.217	5.251	VV	315242	4255273	15.67%	0.334%
48	5.262	5.251	5.271	VV	152049	1634741	6.02%	0.128%
49	5.289	5.271	5.306	VV	430257	4900654	18.05%	0.384%
50	5.325	5.306	5.338	VV	452803	5079200	18.71%	0.398%
51	5.347	5.338	5.363	VV	283220	3407980	12.55%	0.267%
52	5.376	5.363	5.404	VV	263966	4121795	15.18%	0.323%
53	5.419	5.404	5.439	VV	350922	4343802	16.00%	0.341%
54	5.464	5.439	5.488	VV	785214	9955834	36.67%	0.781%
55	5.500	5.488	5.512	VV	125979	1597316	5.88%	0.125%
56	5.537	5.512	5.557	VV	462203	6264240	23.07%	0.491%
57	5.578	5.557	5.594	VV	203142	3382858	12.46%	0.265%
58	5.609	5.594	5.645	VV	266258	5179948	19.08%	0.406%
59	5.697	5.645	5.741	VV	256921	6936918	25.55%	0.544%
60	5.766	5.741	5.781	VV	250125	3502614	12.90%	0.275%
61	5.798	5.781	5.809	VV	276303	3412817	12.57%	0.268%
62	5.821	5.809	5.860	VV	285533	5859063	21.58%	0.459%
63	5.877	5.860	5.898	VV	153717	3145252	11.58%	0.247%
64	5.921	5.898	5.954	VV	382274	8525065	31.40%	0.668%
65	5.984	5.954	6.001	VV	296729	6107512	22.50%	0.479%
66	6.020	6.001	6.034	VV	307936	4565697	16.82%	0.358%
67	6.051	6.034	6.069	VV	322710	5298326	19.51%	0.415%
68	6.078	6.069	6.108	VV	207653	3973868	14.64%	0.312%
69	6.136	6.108	6.147	VV	224982	4191825	15.44%	0.329%
70	6.167	6.147	6.186	VV	556104	6984904	25.73%	0.548%
71	6.204	6.186	6.215	VV	307359	3796557	13.98%	0.298%
72	6.223	6.215	6.240	VV	246815	2875017	10.59%	0.225%
73	6.272	6.240	6.284	VV	256744	5134085	18.91%	0.403%
74	6.293	6.284	6.305	VV	232664	2700983	9.95%	0.212%
75	6.332	6.305	6.364	VV	618946	11404669	42.01%	0.894%
76	6.380	6.364	6.401	VV	299651	4837326	17.82%	0.379%
77	6.445	6.401	6.473	VV	616844	14641967	53.93%	1.148%
78	6.491	6.473	6.504	VV	296678	4152530	15.29%	0.326%
79	6.514	6.504	6.526	VV	216542	2421040	8.92%	0.190%
80	6.555	6.526	6.583	VV	356844	8414133	30.99%	0.660%
81	6.604	6.583	6.630	VV	292698	5771461	21.26%	0.453%
82	6.653	6.630	6.672	VV	436218	7470097	27.51%	0.586%
83	6.684	6.672	6.702	VV	343672	4699439	17.31%	0.368%
84	6.716	6.702	6.740	VV	224921	4621307	17.02%	0.362%
85	6.759	6.740	6.774	VV	270875	4457484	16.42%	0.349%
86	6.784	6.774	6.792	VV	223735	2280554	8.40%	0.179%
87	6.820	6.792	6.831	VV	327108	6776758	24.96%	0.531%
88	6.839	6.831	6.871	VV	318534	5825394	21.46%	0.457%
89	6.910	6.871	6.937	VV	371186	11383924	41.93%	0.893%

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90	6.951	6.937	6.970	VV	353393	6681317	24.61%	0.524%
91	6.987	6.970	7.007	VV	421307	8207723	30	
92	7.025	7.007	7.048	VV	494322	8073255	29	
93	7.083	7.048	7.119	VV	450291	13834555	50	
94	7.132	7.119	7.150	VV	330495	5540747	20	
95	7.170	7.150	7.192	VV	383205	7473803	27	
96	7.216	7.192	7.247	VV	316008	9190591	33.85%	0.721%
97	7.262	7.247	7.276	VV	342711	5409918	19.93%	0.424%
98	7.297	7.276	7.320	VV	607493	10746002	39.58%	0.843%
99	7.350	7.320	7.397	VV	820942	19583833	72.13%	1.535%
100	7.430	7.397	7.452	VV	538697	11661206	42.95%	0.914%
101	7.480	7.452	7.514	VV	798188	16583008	61.08%	1.300%
102	7.543	7.514	7.564	VV	458019	11005884	40.54%	0.863%
103	7.609	7.564	7.648	VV	423863	16637129	61.28%	1.304%
104	7.670	7.648	7.681	VV	486484	8030221	29.58%	0.630%
105	7.689	7.681	7.704	VV	460178	5699094	20.99%	0.447%
106	7.722	7.704	7.752	VV	442764	10928758	40.25%	0.857%
107	7.767	7.752	7.783	VV	446338	6787497	25.00%	0.532%
108	7.795	7.783	7.811	VV	363267	5421117	19.97%	0.425%
109	7.861	7.811	7.877	VV	1772778	26592728	97.95%	2.085%
110	7.890	7.877	7.906	VV	722230	9858792	36.31%	0.773%
111	7.915	7.906	7.941	VV	472078	8019314	29.54%	0.629%
112	7.969	7.941	8.001	VV	624714	14699510	54.14%	1.153%
113	8.015	8.001	8.032	VV	396582	6460471	23.80%	0.507%
114	8.056	8.032	8.085	VV	500830	12460941	45.90%	0.977%
115	8.098	8.085	8.109	VV	332499	4639891	17.09%	0.364%
116	8.131	8.109	8.156	VV	390479	9847342	36.27%	0.772%
117	8.184	8.156	8.211	VV	442752	12541616	46.19%	0.983%
118	8.252	8.211	8.324	VV	546122	27150223	100.00%	2.129%
119	8.337	8.324	8.355	VV	338294	5579913	20.55%	0.437%
120	8.398	8.355	8.417	VV	593006	14640102	53.92%	1.148%
121	8.432	8.417	8.456	VV	622798	10045872	37.00%	0.788%
122	8.467	8.456	8.481	VV	298007	4156388	15.31%	0.326%
123	8.501	8.481	8.516	VV	350071	6288876	23.16%	0.493%
124	8.536	8.516	8.575	VV	435042	12620059	46.48%	0.989%
125	8.590	8.575	8.623	VV	334789	8912827	32.83%	0.699%
126	8.658	8.623	8.672	VV	401270	9760902	35.95%	0.765%
127	8.683	8.672	8.697	VV	373072	5178213	19.07%	0.406%
128	8.714	8.697	8.753	VV	484129	12021920	44.28%	0.943%
129	8.779	8.753	8.799	VV	1559357	20316014	74.83%	1.593%
130	8.819	8.799	8.832	VV	382155	6744211	24.84%	0.529%
131	8.844	8.832	8.855	VV	397859	5121671	18.86%	0.402%
132	8.871	8.855	8.890	VV	449172	7792708	28.70%	0.611%
133	8.905	8.890	8.914	VV	351761	4650561	17.13%	0.365%
134	8.923	8.914	8.946	VV	341587	6204254	22.85%	0.486%
135	8.962	8.946	8.977	VV	363250	6270670	23.10%	0.492%
136	9.000	8.977	9.024	VV	503929	10251442	37.76%	0.804%
137	9.064	9.024	9.081	VV	373014	10864864	40.02%	0.852%
138	9.095	9.081	9.113	VV	358499	6110346	22.51%	0.479%
139	9.145	9.113	9.171	VV	1042076	17831327	65.68%	1.398%
140	9.189	9.171	9.211	VV	305837	6763605	24.91%	0.530%
141	9.238	9.211	9.297	VV	436253	16100613	59.30%	1.262%

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142	9.319	9.297	9.352	VV	442112	10378749	38.23%	0.814%
143	9.371	9.352	9.392	VV	394551	7547801	27	
144	9.438	9.392	9.459	VV	652666	14425682	53	
145	9.491	9.459	9.550	VV	1205178	26125258	96	
146	9.580	9.550	9.594	VV	305385	6457082	23	
147	9.609	9.594	9.619	VV	305011	4209749	15	
148	9.633	9.619	9.686	VV	337563	10306976	37.96%	0.808%
149	9.720	9.686	9.742	VV	351134	9525872	35.09%	0.747%
150	9.756	9.742	9.771	VV	276524	4495952	16.56%	0.353%
151	9.784	9.771	9.801	VV	257252	4305873	15.86%	0.338%
152	9.813	9.801	9.834	VV	249167	4532469	16.69%	0.355%
153	9.853	9.834	9.874	VV	286878	6109985	22.50%	0.479%
154	9.886	9.874	9.937	VV	254646	8087424	29.79%	0.634%
155	9.950	9.937	9.962	VV	187870	2649140	9.76%	0.208%
156	9.972	9.962	9.984	VV	179935	2355790	8.68%	0.185%
157	10.003	9.984	10.036	VV	248948	6517162	24.00%	0.511%
158	10.051	10.036	10.083	VV	214475	5518388	20.33%	0.433%
159	10.107	10.083	10.125	VV	243041	5131816	18.90%	0.402%
160	10.148	10.125	10.174	VV	282282	6906580	25.44%	0.542%
161	10.192	10.174	10.205	VV	310179	4863321	17.91%	0.381%
162	10.218	10.205	10.246	VV	289009	5444497	20.05%	0.427%
163	10.268	10.246	10.286	VV	214981	4731097	17.43%	0.371%
164	10.301	10.286	10.352	VV	271744	7281131	26.82%	0.571%
165	10.386	10.352	10.430	VV	164185	6831330	25.16%	0.536%
166	10.461	10.430	10.472	VV	169856	3787423	13.95%	0.297%
167	10.501	10.472	10.535	VV	223983	7117439	26.22%	0.558%
168	10.545	10.535	10.561	VV	170855	2509540	9.24%	0.197%
169	10.573	10.561	10.589	VV	161099	2658290	9.79%	0.208%
170	10.612	10.589	10.627	VV	196218	3832580	14.12%	0.300%
171	10.644	10.627	10.699	VV	181504	6531340	24.06%	0.512%
172	10.717	10.699	10.731	VV	146776	2675556	9.85%	0.210%
173	10.748	10.731	10.786	VV	148683	4646722	17.11%	0.364%
174	10.821	10.786	10.850	VV	153138	5233493	19.28%	0.410%
175	10.881	10.850	10.901	VV	136936	3932838	14.49%	0.308%
176	10.931	10.901	10.962	VV	628043	10897503	40.14%	0.854%
177	10.994	10.962	11.049	VV	148389	7070824	26.04%	0.554%
178	11.080	11.049	11.114	VV	148252	5081240	18.72%	0.398%
179	11.130	11.114	11.148	VV	114937	2284501	8.41%	0.179%
180	11.210	11.148	11.242	VV	155869	7170455	26.41%	0.562%
181	11.263	11.242	11.274	VV	152296	2541669	9.36%	0.199%
182	11.284	11.274	11.301	VV	149677	2264956	8.34%	0.178%
183	11.353	11.301	11.382	VV	910375	15867707	58.44%	1.244%
184	11.394	11.382	11.430	VV	156054	3879036	14.29%	0.304%
185	11.486	11.430	11.508	VV	126568	5383232	19.83%	0.422%
186	11.532	11.508	11.551	VV	136545	3110728	11.46%	0.244%
187	11.562	11.551	11.582	VV	121894	2212771	8.15%	0.173%
188	11.612	11.582	11.633	VV	135650	3687417	13.58%	0.289%
189	11.668	11.633	11.712	VV	175349	5910873	21.77%	0.463%
190	11.733	11.712	11.745	VV	104193	2013381	7.42%	0.158%
191	11.770	11.745	11.788	VV	116728	2833860	10.44%	0.222%
192	11.804	11.788	11.818	VV	113782	2017445	7.43%	0.158%
193	11.833	11.818	11.861	VV	115337	2826899	10.41%	0.222%
194	11.882	11.861	11.897	VV	110880	2332722	8.59%	0.183%

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195	11.913	11.897	11.920	VV	109973	1468279	5.41%	0.115%
196	11.956	11.920	11.990	VV	119364	4682684	17	
197	12.003	11.990	12.016	VV	105809	1585847	5	
198	12.069	12.016	12.112	VV	462749	10573004	38	
199	12.130	12.112	12.156	VV	108141	2623764	9	
200	12.174	12.156	12.200	VV	100941	2411658	8	
201	12.240	12.200	12.260	VV	114407	3616456	13.32%	0.284%
202	12.275	12.260	12.328	VV	108098	3896260	14.35%	0.305%
203	12.364	12.328	12.401	VV	91970	3847032	14.17%	0.302%
204	12.415	12.401	12.431	VV	86623	1495649	5.51%	0.117%
205	12.454	12.431	12.476	VV	91479	2401025	8.84%	0.188%
206	12.491	12.476	12.500	VV	94640	1291624	4.76%	0.101%
207	12.526	12.500	12.549	VV	99850	2827713	10.42%	0.222%
208	12.564	12.549	12.582	VV	93339	1734014	6.39%	0.136%
209	12.622	12.582	12.648	VV	179918	4650564	17.13%	0.365%
210	12.662	12.648	12.695	VV	88371	2310142	8.51%	0.181%
211	12.749	12.695	12.764	VV	95316	3414979	12.58%	0.268%
212	12.776	12.764	12.811	VV	87381	2262341	8.33%	0.177%
213	12.837	12.811	12.854	VV	78127	1961152	7.22%	0.154%
214	12.867	12.854	12.891	VV	78680	1587034	5.85%	0.124%
215	12.912	12.891	12.934	VV	78583	1915397	7.05%	0.150%
216	12.940	12.934	12.978	VV	72866	1845212	6.80%	0.145%
217	12.991	12.978	13.018	VV	70699	1609018	5.93%	0.126%
218	13.029	13.018	13.054	VV	65624	1391481	5.13%	0.109%
219	13.074	13.054	13.118	VV	68938	2460193	9.06%	0.193%
220	13.143	13.118	13.176	VV	74587	2366119	8.71%	0.186%
221	13.199	13.176	13.231	VV	85920	2395577	8.82%	0.188%
222	13.248	13.231	13.261	VV	63966	1106446	4.08%	0.087%
223	13.278	13.261	13.324	VV	76418	2378266	8.76%	0.186%
224	13.345	13.324	13.361	VV	58695	1242154	4.58%	0.097%
225	13.382	13.361	13.401	VV	59958	1354112	4.99%	0.106%
226	13.420	13.401	13.459	VV	66714	2019236	7.44%	0.158%
227	13.468	13.459	13.483	VV	50368	697849	2.57%	0.055%
228	13.496	13.483	13.508	VV	48526	702055	2.59%	0.055%
229	13.519	13.508	13.532	VV	48249	695111	2.56%	0.055%
230	13.551	13.532	13.586	VV	50744	1555514	5.73%	0.122%
231	13.605	13.586	13.634	VV	48482	1327535	4.89%	0.104%
232	13.653	13.634	13.676	VV	44417	1078558	3.97%	0.085%
233	13.723	13.676	13.749	VV	298970	4817592	17.74%	0.378%
234	13.770	13.749	13.804	VV	74623	1899821	7.00%	0.149%
235	13.817	13.804	13.894	VV	44482	2145609	7.90%	0.168%
236	13.909	13.894	13.924	VV	37690	656062	2.42%	0.051%
237	13.934	13.924	13.959	VV	38499	769597	2.83%	0.060%
238	13.985	13.959	14.041	VV	39505	1743294	6.42%	0.137%
239	14.052	14.041	14.074	VV	32881	628233	2.31%	0.049%
240	14.107	14.074	14.134	VV	47131	1356746	5.00%	0.106%
241	14.150	14.134	14.177	VV	34569	836005	3.08%	0.066%
242	14.202	14.177	14.268	VV	32903	1592961	5.87%	0.125%
243	14.321	14.268	14.352	VV	33031	1495510	5.51%	0.117%
244	14.376	14.352	14.442	VV	35441	1477335	5.44%	0.116%
245	14.458	14.442	14.481	VV	25289	548628	2.02%	0.043%
246	14.509	14.481	14.541	VV	24736	818720	3.02%	0.064%

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247	14.553	14.541	14.575	VV	25392	470681	1.73%	0.037%
248	14.613	14.575	14.640	VV	23378	833983	3	
249	14.700	14.640	14.738	VV	29888	1328860	4	
250	14.767	14.738	14.818	VV	20806	900641	3	
251	14.848	14.818	14.895	VV	19962	828587	3	
252	14.910	14.895	14.991	VV	17034	892079	3	
253	15.009	14.991	15.051	VV	16581	507867	1.87%	0.040%
254	15.064	15.051	15.073	VV	12478	166246	0.61%	0.013%
255	15.093	15.073	15.116	VV	14604	344420	1.27%	0.027%
256	15.154	15.116	15.217	VV	19156	858846	3.16%	0.067%
257	15.267	15.217	15.294	VV	12218	523882	1.93%	0.041%
258	15.313	15.294	15.361	VV	13552	432824	1.59%	0.034%
259	15.404	15.361	15.447	VV	9674	453124	1.67%	0.036%
260	15.465	15.447	15.506	VV	9721	308854	1.14%	0.024%
261	15.519	15.506	15.534	VV	7755	122775	0.45%	0.010%
262	15.596	15.534	15.606	VV	8009	317298	1.17%	0.025%
263	15.625	15.606	15.675	VV	9029	305881	1.13%	0.024%
264	15.707	15.675	15.748	VV	8365	291667	1.07%	0.023%
265	15.764	15.748	15.791	VV	5606	135636	0.50%	0.011%
266	15.821	15.791	15.870	VV	6860	270533	1.00%	0.021%
267	15.898	15.870	15.958	VV	6027	260140	0.96%	0.020%
268	15.975	15.958	15.995	VV	4749	98408	0.36%	0.008%
269	16.006	15.995	16.057	VV	4892	165532	0.61%	0.013%
270	16.108	16.057	16.203	VV	7956	417007	1.54%	0.033%
271	16.224	16.203	16.236	VV	2853	51564	0.19%	0.004%
272	16.261	16.236	16.313	VV	4620	145655	0.54%	0.011%
273	16.336	16.313	16.358	VV	3685	87374	0.32%	0.007%
274	16.393	16.358	16.443	VV	7041	227284	0.84%	0.018%
275	16.464	16.443	16.488	VV	2890	69877	0.26%	0.005%
276	16.495	16.488	16.508	VV	2512	28499	0.10%	0.002%
277	16.530	16.508	16.557	VV	2448	66306	0.24%	0.005%
278	16.580	16.557	16.597	VV	3081	62946	0.23%	0.005%
279	16.624	16.597	16.669	VV	4527	122876	0.45%	0.010%
280	16.697	16.669	16.718	VV	1751	39653	0.15%	0.003%
281	16.748	16.718	16.774	VV	2089	54539	0.20%	0.004%
282	16.815	16.774	16.845	VV	4351	120176	0.44%	0.009%
283	16.899	16.845	16.941	VV	5771	174033	0.64%	0.014%
284	16.970	16.941	16.991	VV	3121	66765	0.25%	0.005%
285	17.004	16.991	17.031	VV	1952	38745	0.14%	0.003%
286	17.058	17.031	17.078	VV	2394	45300	0.17%	0.004%
287	17.098	17.078	17.145	VV	2119	48041	0.18%	0.004%
288	17.278	17.145	17.331	VV	3645	208007	0.77%	0.016%
289	17.339	17.331	17.371	VV	2091	44187	0.16%	0.003%
290	17.407	17.371	17.458	VV	2580	84851	0.31%	0.007%
291	17.579	17.458	17.601	VV	4678	169336	0.62%	0.013%
292	17.619	17.601	17.630	VV	2182	29983	0.11%	0.002%
293	17.653	17.630	17.711	VV	2831	92393	0.34%	0.007%
294	17.749	17.711	17.791	VV	3888	140025	0.52%	0.011%
295	17.812	17.791	17.858	VV	5240	115632	0.43%	0.009%
296	17.871	17.858	17.924	VV	2623	86543	0.32%	0.007%
297	17.945	17.924	17.960	VV	2756	42468	0.16%	0.003%
298	17.984	17.960	18.011	VV	6004	97416	0.36%	0.008%
299	18.038	18.011	18.057	VV	2548	45812	0.17%	0.004%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	18.081	18.057	18.107	VV	3758	85929	0.32%	0.007%
301	18.127	18.107	18.158	VV	3713	77739		
302	18.178	18.158	18.191	VV	1981	31094		
303	18.209	18.191	18.225	VV	2442	37645		
304	18.239	18.225	18.256	VV	1661	26992		
305	18.273	18.256	18.284	VV	1559	23106		
306	18.302	18.284	18.314	VV	2064	30933	0.11%	0.002%
307	18.344	18.314	18.378	VV	4337	106909	0.39%	0.008%
308	18.412	18.378	18.477	VV	4221	133423	0.49%	0.010%
309	18.498	18.477	18.509	VV	1853	27228	0.10%	0.002%
310	18.516	18.509	18.522	VV	1513	11094	0.04%	0.001%
311	18.527	18.522	18.534	VV	1493	10713	0.04%	0.001%
312	18.598	18.534	18.663	VV	10818	288644	1.06%	0.023%
313	18.686	18.663	18.714	VV	2125	51496	0.19%	0.004%
314	18.728	18.714	18.745	VV	1275	19991	0.07%	0.002%
315	18.795	18.745	18.813	VV	3611	104185	0.38%	0.008%
316	18.827	18.813	18.874	VV	2501	36516	0.13%	0.003%
317	18.963	18.874	19.047	PV	12140	230108	0.85%	0.018%
318	19.059	19.047	19.076	VV	801	9335	0.03%	0.001%
319	19.117	19.076	19.154	VV	2749	64676	0.24%	0.005%
320	19.238	19.154	19.298	VV	3419	137147	0.51%	0.011%
321	19.312	19.298	19.328	VV	1367	23109	0.09%	0.002%
322	19.335	19.328	19.347	VV	1344	14921	0.05%	0.001%
323	19.382	19.347	19.404	VV	5665	101756	0.37%	0.008%
324	19.429	19.404	19.460	VV	5649	110291	0.41%	0.009%
325	19.471	19.460	19.483	VV	2235	27046	0.10%	0.002%
326	19.518	19.483	19.541	VV	3516	97422	0.36%	0.008%
327	19.567	19.541	19.582	VV	3919	85890	0.32%	0.007%
328	19.633	19.582	19.685	VV	5438	247911	0.91%	0.019%
329	19.711	19.685	19.751	VV	5268	134223	0.49%	0.011%
330	19.779	19.751	19.803	VV	4748	116266	0.43%	0.009%
331	19.821	19.803	19.857	VV	4393	126860	0.47%	0.010%
332	19.886	19.857	19.894	VV	4149	89610	0.33%	0.007%
333	19.923	19.894	19.961	VV	4392	166184	0.61%	0.013%
334	20.026	19.961	20.074	VV	6790	373423	1.38%	0.029%
335	20.086	20.074	20.113	VV	6394	126672	0.47%	0.010%
336	20.136	20.113	20.151	VV	4940	108722	0.40%	0.009%
337	20.189	20.151	20.201	VV	6332	167030	0.62%	0.013%
338	20.325	20.201	20.369	VV	9276	800660	2.95%	0.063%
339	20.388	20.369	20.419	VV	9308	268435	0.99%	0.021%
340	20.428	20.419	20.458	VV	9172	203765	0.75%	0.016%
341	20.476	20.458	20.495	VV	9223	192399	0.71%	0.015%
342	20.620	20.495	20.645	VV	11320	896322	3.30%	0.070%
343	20.665	20.645	20.734	VV	11859	590300	2.17%	0.046%
344	20.759	20.734	20.770	VV	11027	234779	0.86%	0.018%
345	20.826	20.770	20.837	VV	13151	485061	1.79%	0.038%
346	20.872	20.837	20.920	VV	14253	672751	2.48%	0.053%
347	20.931	20.920	20.980	VV	13207	451079	1.66%	0.035%
348	21.144	20.980	21.168	VV	14440	1504001	5.54%	0.118%
349	21.183	21.168	21.267	VV	13934	779169	2.87%	0.061%
350	21.302	21.267	21.331	VV	12876	470911	1.73%	0.037%
351	21.413	21.331	21.471	VV	14071	1109006	4.08%	0.087%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

352	21.508	21.471	21.622	VV	13053	1056548	3.89%	0.083%
353	21.678	21.622	21.714	VV	11172	598205		
354	21.781	21.714	21.974	VV	12547	1739013		
355	22.044	21.974	22.108	VV	10021	760723		
356	22.181	22.108	22.351	VBA	10133	1281505		

Sum of corrected areas: 12754

Aliphatic EPH 020325.M Sat Feb 08 03:58:22 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-8	SDG No.:	Q1308
Lab Sample ID:	Q1308-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015490.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	39.3	E	0.32	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	165	E	0.36	1.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	194	E	1.02	1.78	mg/kg
Aromatic C21-C36	Aromatic C21-C36	17.1		2.13	2.85	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.8		40 - 140	124%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	52.9		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	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:	Q1308-07	Acq On:	07 Feb 2025 13:31
Client Sample ID:	EX-11-TPH-8	Operator:	YP\AJ
Data file:	FF015490.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	76366050	552.887	200	ug/ml
Aromatic C12-C16	6.375	9.068	312502265	2330	300	ug/ml
Aromatic C16-C21	9.069	13.385	337246394	2740	500	ug/ml
Aromatic C21-C36	13.386	18.838	28284943	240.158	800	ug/ml
Aromatic EPH	4.505	18.838	754399652	5860		ug/ml
2-Bromonaphthalene (SURR)	8.002	8.002	7348189	61.83		ug/ml
2-Flurobiphenyl (SURR)	8.879	8.879	4013977	52.86		ug/ml
ortho-Terphenyl (SURR)	11.938	11.938	4694316	35.59		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015490.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:31
Operator : YP\AJ
Sample : Q1308-07
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:34:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-8

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.002	7348189	61.826 ug/mlm
Spiked Amount 50.000		Recovery = 123.65%	
6) S 2-Flurobiphenyl (SURR)	8.879	4013977	52.856 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 105.71%	
11) S ortho-Terphenyl (SURR)	11.938	4694316	35.595 ug/mlm
Spiked Amount 50.000		Recovery = 71.19%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015490.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:31
Operator : YP\AJ
Sample : Q1308-07
Misc :
ALS Vial : 76 Sample Multiplier: 1

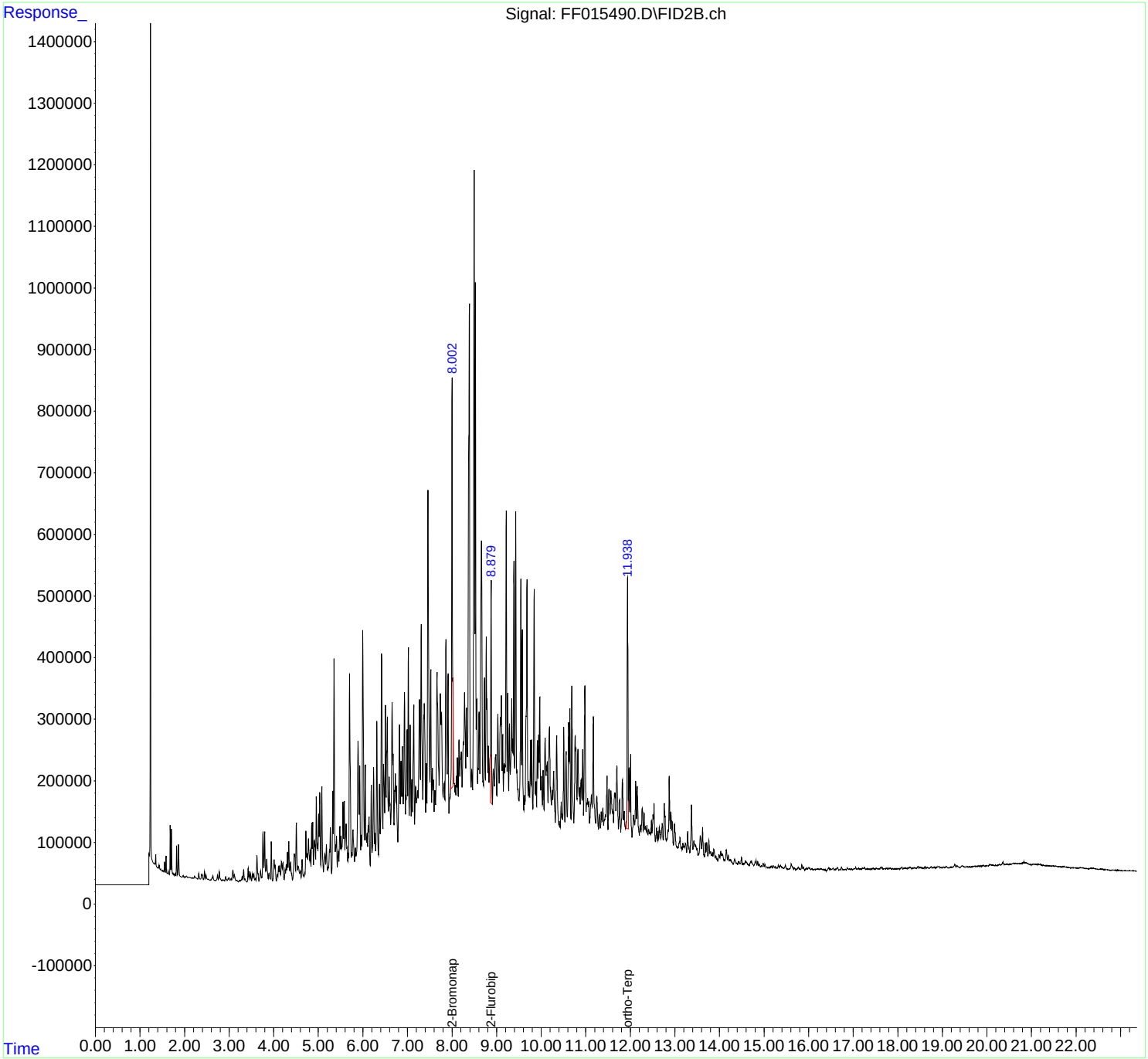
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-8

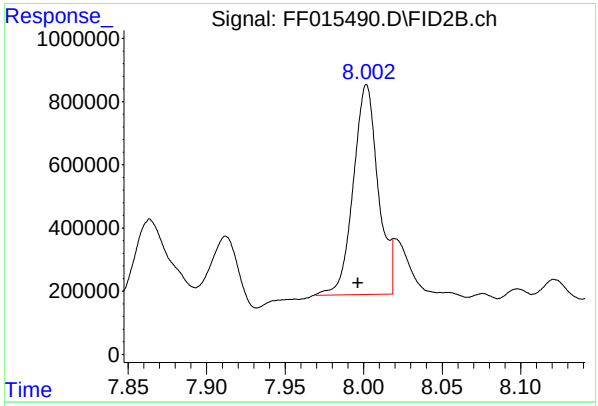
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:34:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





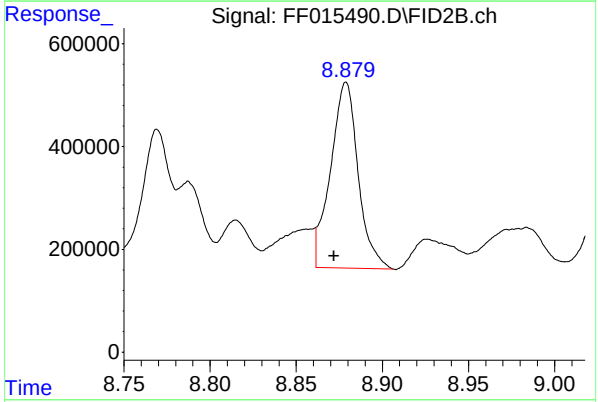
#4 2-Bromonaphthalene (SURR)

R.T.: 8.002 min
Delta R.T.: 0.005 min
Response: 7348189
Conc: 61.83 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-8

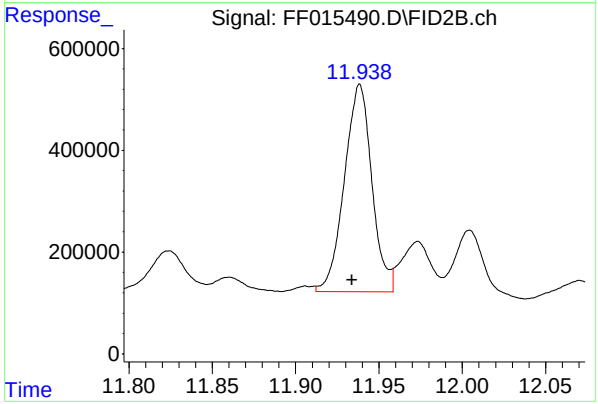
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.879 min
Delta R.T.: 0.007 min
Response: 4013977
Conc: 52.86 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.004 min
Response: 4694316
Conc: 35.59 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-8

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015490.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 13:31
Sample : Q1308-07
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.462	4.400	4.470	BV	34603	284800	1.40%	0.036%
2	4.475	4.470	4.490	VV	32056	273626	1.34%	0.035%
3	4.507	4.490	4.535	VV	86027	1107519	5.43%	0.141%
4	4.550	4.535	4.578	VV	16775	323212	1.58%	0.041%
5	4.583	4.578	4.589	VV	7006	45926	0.23%	0.006%
6	4.600	4.589	4.616	VV	10559	108891	0.53%	0.014%
7	4.637	4.616	4.662	PV	29923	391222	1.92%	0.050%
8	4.671	4.662	4.682	VV	3933	34683	0.17%	0.004%
9	4.698	4.682	4.703	VV	7493	63934	0.31%	0.008%
10	4.722	4.703	4.737	VV	75599	841541	4.13%	0.107%
11	4.747	4.737	4.762	VV	38609	521658	2.56%	0.066%
12	4.779	4.762	4.810	VV	63255	1230528	6.03%	0.157%
13	4.823	4.810	4.836	VV	44960	530868	2.60%	0.068%
14	4.852	4.836	4.864	VV	88847	959846	4.71%	0.122%
15	4.875	4.864	4.892	VV	90008	1000366	4.91%	0.127%
16	4.912	4.892	4.941	VV	59993	1329824	6.52%	0.169%
17	4.956	4.941	4.975	VV	130466	1634166	8.01%	0.208%
18	4.984	4.975	4.994	VV	53402	538147	2.64%	0.069%
19	5.008	4.994	5.020	VV	103217	1209148	5.93%	0.154%
20	5.033	5.020	5.058	VV	137979	1755123	8.61%	0.224%
21	5.079	5.058	5.117	VV	147429	2055492	10.08%	0.262%
22	5.148	5.117	5.166	VV	38663	813266	3.99%	0.104%
23	5.183	5.166	5.207	VV	53432	780795	3.83%	0.099%
24	5.251	5.207	5.257	VV	45155	714479	3.50%	0.091%
25	5.272	5.257	5.299	VV	80894	1037580	5.09%	0.132%
26	5.325	5.299	5.337	VV	139857	1547623	7.59%	0.197%
27	5.354	5.337	5.381	VV	355164	4400285	21.58%	0.560%
28	5.393	5.381	5.398	VV	52507	501370	2.46%	0.064%
29	5.410	5.398	5.427	VV	67228	804480	3.94%	0.102%
30	5.447	5.427	5.463	VV	41939	700900	3.44%	0.089%
31	5.484	5.463	5.498	VV	82738	1226200	6.01%	0.156%
32	5.509	5.498	5.522	VV	67097	794278	3.89%	0.101%
33	5.554	5.522	5.569	VV	122206	2076143	10.18%	0.264%
34	5.583	5.569	5.599	VV	123560	1558448	7.64%	0.198%
35	5.626	5.599	5.661	VV	86287	2106005	10.33%	0.268%
36	5.674	5.661	5.682	VV	39418	420917	2.06%	0.054%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

37	5.702	5.682	5.741	VV	330247	5472942	26.84%	0.697%
38	5.751	5.741	5.760	VV	39781	418168		
39	5.777	5.760	5.814	VV	76606	1658898		
40	5.835	5.814	5.849	VV	47128	779176		
41	5.893	5.849	5.918	VV	219877	4763913		
42	5.931	5.918	5.951	VV	180214	2241326		
43	5.967	5.951	5.978	VV	68252	913455	4.48%	0.116%
44	5.998	5.978	6.036	VV	400010	7030429	34.47%	0.895%
45	6.054	6.036	6.070	VV	181464	2173285	10.66%	0.277%
46	6.076	6.070	6.085	VV	63535	543576	2.67%	0.069%
47	6.095	6.085	6.106	VV	70800	777278	3.81%	0.099%
48	6.119	6.106	6.127	VV	83808	916186	4.49%	0.117%
49	6.139	6.127	6.165	VV	97277	1373846	6.74%	0.175%
50	6.189	6.165	6.207	VV	148598	1917725	9.40%	0.244%
51	6.242	6.207	6.261	VV	177612	3024620	14.83%	0.385%
52	6.271	6.261	6.287	VV	70504	897919	4.40%	0.114%
53	6.314	6.287	6.350	VV	252645	4194325	20.57%	0.534%
54	6.373	6.350	6.389	VV	149915	2104120	10.32%	0.268%
55	6.421	6.389	6.449	VV	361900	6909417	33.88%	0.880%
56	6.464	6.449	6.490	VV	182562	3465923	16.99%	0.441%
57	6.506	6.490	6.520	VV	278001	3397983	16.66%	0.433%
58	6.549	6.520	6.575	VV	259304	5815860	28.52%	0.741%
59	6.592	6.575	6.625	VV	161568	3653619	17.91%	0.465%
60	6.656	6.625	6.673	VV	282785	5118058	25.10%	0.652%
61	6.679	6.673	6.699	VV	198884	2346080	11.50%	0.299%
62	6.730	6.699	6.742	VV	166516	3447580	16.90%	0.439%
63	6.753	6.742	6.786	VV	146921	2745040	13.46%	0.350%
64	6.823	6.786	6.840	VV	246121	4954675	24.29%	0.631%
65	6.858	6.840	6.872	VV	187497	3069392	15.05%	0.391%
66	6.886	6.872	6.906	VV	210596	3338225	16.37%	0.425%
67	6.936	6.906	6.955	VV	298776	5673039	27.82%	0.722%
68	6.966	6.955	6.973	VV	131619	1315113	6.45%	0.167%
69	6.992	6.973	7.005	VV	237402	3479510	17.06%	0.443%
70	7.021	7.005	7.040	VV	371233	4693477	23.01%	0.598%
71	7.062	7.040	7.086	VV	245506	4379158	21.47%	0.558%
72	7.099	7.086	7.111	VV	156985	1913102	9.38%	0.244%
73	7.142	7.111	7.161	VV	278015	5381304	26.39%	0.685%
74	7.184	7.161	7.200	VV	144382	2828107	13.87%	0.360%
75	7.228	7.200	7.241	VV	138228	3245272	15.91%	0.413%
76	7.271	7.241	7.291	VV	286579	6287363	30.83%	0.801%
77	7.310	7.291	7.346	VV	408475	8132896	39.88%	1.036%
78	7.366	7.346	7.371	VV	261943	2997328	14.70%	0.382%
79	7.379	7.371	7.410	VV	280346	5023678	24.63%	0.640%
80	7.424	7.410	7.438	VV	182922	2461759	12.07%	0.313%
81	7.461	7.438	7.504	VV	625407	12948981	63.49%	1.649%
82	7.524	7.504	7.544	VV	334648	5335174	26.16%	0.679%
83	7.561	7.544	7.574	VV	175115	2760935	13.54%	0.352%
84	7.584	7.574	7.599	VV	155830	2079775	10.20%	0.265%
85	7.616	7.599	7.631	VV	138403	2362279	11.58%	0.301%
86	7.664	7.631	7.712	VV	329523	10445228	51.22%	1.330%
87	7.739	7.712	7.754	VV	295491	6022627	29.53%	0.767%
88	7.766	7.754	7.800	VV	265982	5522146	27.08%	0.703%
89	7.824	7.800	7.840	VV	150128	3312198	16.24%	0.422%

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rteres

90	7.864	7.840	7.893	VV	382813	7835966	38.42%	0.998%
91	7.912	7.893	7.932	VV	328096	5202485	25	
92	8.002	7.932	8.066	VV	808325	19720368	96	
93	8.076	8.066	8.086	VV	146811	1621313	7	
94	8.098	8.086	8.108	VV	161332	1973957	9	
95	8.122	8.108	8.139	VV	190616	3059372	15	
96	8.158	8.139	8.176	VV	220237	3999578	19.61%	0.509%
97	8.210	8.176	8.227	VV	200752	5511750	27.03%	0.702%
98	8.258	8.227	8.265	VV	217260	4382173	21.49%	0.558%
99	8.283	8.265	8.309	VV	296933	6313649	30.96%	0.804%
100	8.323	8.309	8.337	VV	271795	3855032	18.90%	0.491%
101	8.344	8.337	8.352	VV	204919	1726221	8.46%	0.220%
102	8.389	8.352	8.428	VV	925083	20394425	100.00%	2.597%
103	8.443	8.428	8.462	VV	172279	3207898	15.73%	0.409%
104	8.499	8.462	8.513	VV	1144879	17221980	84.44%	2.193%
105	8.527	8.513	8.543	VV	963756	10771370	52.82%	1.372%
106	8.555	8.543	8.575	VV	285806	4411670	21.63%	0.562%
107	8.608	8.575	8.627	VV	265735	6340397	31.09%	0.807%
108	8.661	8.627	8.707	VV	542388	15021923	73.66%	1.913%
109	8.729	8.707	8.749	VV	320336	5568440	27.30%	0.709%
110	8.769	8.749	8.781	VV	387264	5404496	26.50%	0.688%
111	8.787	8.781	8.804	VV	285573	3200959	15.70%	0.408%
112	8.815	8.804	8.830	VV	210128	2944854	14.44%	0.375%
113	8.879	8.830	8.908	VV	478701	10587845	51.92%	1.348%
114	8.926	8.908	8.950	VV	172623	3876403	19.01%	0.494%
115	8.984	8.950	9.006	VV	195946	5689973	27.90%	0.725%
116	9.029	9.006	9.060	VV	261016	6103680	29.93%	0.777%
117	9.090	9.060	9.098	VV	255471	4974706	24.39%	0.634%
118	9.109	9.098	9.125	VV	291461	4049382	19.86%	0.516%
119	9.138	9.125	9.154	VV	228642	3229767	15.84%	0.411%
120	9.167	9.154	9.181	VV	180973	2659041	13.04%	0.339%
121	9.217	9.181	9.237	VV	588777	10275247	50.38%	1.309%
122	9.252	9.237	9.272	VV	295255	4588548	22.50%	0.584%
123	9.290	9.272	9.308	VV	245285	4106451	20.14%	0.523%
124	9.341	9.308	9.355	VV	283653	6004224	29.44%	0.765%
125	9.363	9.355	9.371	VV	220923	2040251	10.00%	0.260%
126	9.389	9.371	9.406	VV	508400	6844354	33.56%	0.872%
127	9.431	9.406	9.450	VV	590020	8835716	43.32%	1.125%
128	9.455	9.450	9.500	VV	170611	4178567	20.49%	0.532%
129	9.546	9.500	9.563	VV	478895	9004458	44.15%	1.147%
130	9.578	9.563	9.610	VV	397301	6212373	30.46%	0.791%
131	9.623	9.610	9.636	VV	128678	1848735	9.06%	0.235%
132	9.683	9.636	9.710	VV	478819	11008519	53.98%	1.402%
133	9.725	9.710	9.742	VV	151887	2672350	13.10%	0.340%
134	9.763	9.742	9.776	VV	217691	3433520	16.84%	0.437%
135	9.789	9.776	9.814	VV	219014	3657408	17.93%	0.466%
136	9.844	9.814	9.871	VV	462555	8162425	40.02%	1.039%
137	9.884	9.871	9.898	VV	150655	2131603	10.45%	0.271%
138	9.916	9.898	9.930	VV	217588	3308369	16.22%	0.421%
139	9.944	9.930	9.955	VV	226330	2946058	14.45%	0.375%
140	9.969	9.955	9.992	VV	287828	4703668	23.06%	0.599%
141	10.006	9.992	10.028	VV	159364	3064774	15.03%	0.390%

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142	10.044	10.028	10.065	VV	169083	3008374	14.75%	0.383%
143	10.089	10.065	10.110	VV	221829	4731169	23	
144	10.120	10.110	10.127	VV	175212	1731219	8	
145	10.137	10.127	10.155	VV	182742	2645363	12	
146	10.187	10.155	10.231	VV	239818	7618148	37	
147	10.250	10.231	10.263	VV	135810	2409851	11	
148	10.282	10.263	10.317	VV	167326	4212629	20.66%	0.536%
149	10.349	10.317	10.397	VV	224781	6364350	31.21%	0.810%
150	10.407	10.397	10.426	VV	86199	1461118	7.16%	0.186%
151	10.450	10.426	10.464	VV	117269	2197958	10.78%	0.280%
152	10.471	10.464	10.484	VV	95788	1092282	5.36%	0.139%
153	10.507	10.484	10.534	VV	238306	4290594	21.04%	0.546%
154	10.560	10.534	10.586	VV	198595	4274723	20.96%	0.544%
155	10.618	10.586	10.631	VV	243850	4448455	21.81%	0.566%
156	10.644	10.631	10.669	VV	268647	4298201	21.08%	0.547%
157	10.689	10.669	10.734	VV	305546	6204047	30.42%	0.790%
158	10.763	10.734	10.774	VV	223703	3844992	18.85%	0.490%
159	10.779	10.774	10.804	VV	204550	3037366	14.89%	0.387%
160	10.826	10.804	10.852	VV	201562	4446708	21.80%	0.566%
161	10.863	10.852	10.876	VV	139727	1868202	9.16%	0.238%
162	10.898	10.876	10.915	VV	152958	3256835	15.97%	0.415%
163	10.934	10.915	10.952	VV	202150	3305310	16.21%	0.421%
164	10.982	10.952	11.010	VV	305394	6737280	33.03%	0.858%
165	11.044	11.010	11.059	VV	122173	3350977	16.43%	0.427%
166	11.068	11.059	11.085	VV	117133	1630392	7.99%	0.208%
167	11.130	11.085	11.144	VV	128348	3866139	18.96%	0.492%
168	11.170	11.144	11.226	VV	255038	6572471	32.23%	0.837%
169	11.248	11.226	11.284	VV	125820	3493920	17.13%	0.445%
170	11.303	11.284	11.327	VV	95706	2175716	10.67%	0.277%
171	11.350	11.327	11.365	VV	100366	2052440	10.06%	0.261%
172	11.384	11.365	11.402	VV	105939	2066396	10.13%	0.263%
173	11.445	11.402	11.454	VV	95239	2726473	13.37%	0.347%
174	11.477	11.454	11.499	VV	158142	3268162	16.02%	0.416%
175	11.520	11.499	11.547	VV	136776	3312639	16.24%	0.422%
176	11.564	11.547	11.604	VV	134368	3857468	18.91%	0.491%
177	11.611	11.604	11.625	VV	99638	1227377	6.02%	0.156%
178	11.646	11.625	11.652	VV	130631	1811977	8.88%	0.231%
179	11.659	11.652	11.677	VV	130443	1773159	8.69%	0.226%
180	11.697	11.677	11.733	VV	174577	4274471	20.96%	0.544%
181	11.762	11.733	11.784	VV	119902	2886411	14.15%	0.368%
182	11.824	11.784	11.847	VV	152281	3924489	19.24%	0.500%
183	11.860	11.847	11.891	VV	100894	2277281	11.17%	0.290%
184	11.939	11.891	11.957	VV	480263	7589214	37.21%	0.966%
185	11.973	11.957	11.988	VV	171396	2561027	12.56%	0.326%
186	12.004	11.988	12.038	VV	193031	3423270	16.79%	0.436%
187	12.071	12.038	12.100	VV	94472	2928072	14.36%	0.373%
188	12.121	12.100	12.137	VV	149337	2537063	12.44%	0.323%
189	12.154	12.137	12.203	VV	140091	3705486	18.17%	0.472%
190	12.223	12.203	12.239	VV	77785	1522749	7.47%	0.194%
191	12.268	12.239	12.290	VV	105371	2652008	13.00%	0.338%
192	12.309	12.290	12.327	VV	97228	1777921	8.72%	0.226%
193	12.339	12.327	12.358	VV	76076	1334894	6.55%	0.170%
194	12.374	12.358	12.395	VV	77812	1559350	7.65%	0.199%

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195	12.413	12.395	12.424	VV	70464	1151451	5.65%	0.147%
196	12.435	12.424	12.457	VV	65545	1281076		
197	12.474	12.457	12.487	VV	84762	1349000		
198	12.509	12.487	12.518	VV	94720	1556311		
199	12.532	12.518	12.562	VV	111968	2109444		
200	12.588	12.562	12.606	VV	72720	1648774		
201	12.622	12.606	12.635	VV	67236	1026665	5.03%	0.131%
202	12.651	12.635	12.684	VV	74122	1952217	9.57%	0.249%
203	12.716	12.684	12.741	VV	80099	2247325	11.02%	0.286%
204	12.763	12.741	12.804	VV	111989	2999560	14.71%	0.382%
205	12.844	12.804	12.851	VV	69451	1666886	8.17%	0.212%
206	12.874	12.851	12.893	VV	156155	2707616	13.28%	0.345%
207	12.909	12.893	12.925	VV	97985	1600135	7.85%	0.204%
208	12.936	12.925	12.967	VV	83138	1663527	8.16%	0.212%
209	12.989	12.967	13.033	VV	78937	2332011	11.43%	0.297%
210	13.045	13.033	13.062	VV	42852	729064	3.57%	0.093%
211	13.113	13.062	13.136	VV	56556	2046830	10.04%	0.261%
212	13.146	13.136	13.161	VV	40809	607446	2.98%	0.077%
213	13.180	13.161	13.196	VV	47911	887397	4.35%	0.113%
214	13.204	13.196	13.217	VV	42730	539552	2.65%	0.069%
215	13.235	13.217	13.261	VV	47634	1121794	5.50%	0.143%
216	13.286	13.261	13.335	VV	66731	1999355	9.80%	0.255%
217	13.371	13.335	13.403	VV	108994	2457858	12.05%	0.313%
218	13.424	13.403	13.448	VV	51405	1248693	6.12%	0.159%
219	13.458	13.448	13.484	VV	44361	881936	4.32%	0.112%
220	13.496	13.484	13.522	VV	38635	780417	3.83%	0.099%
221	13.569	13.522	13.597	VV	58908	1919212	9.41%	0.244%
222	13.620	13.597	13.664	VV	73024	1731144	8.49%	0.220%
223	13.682	13.664	13.697	VV	47306	732357	3.59%	0.093%
224	13.715	13.697	13.739	VV	48220	980929	4.81%	0.125%
225	13.762	13.739	13.784	VV	51739	1009221	4.95%	0.129%
226	13.795	13.784	13.818	VV	32820	617562	3.03%	0.079%
227	13.839	13.818	13.853	VV	31789	609704	2.99%	0.078%
228	13.873	13.853	13.899	VV	36959	843317	4.14%	0.107%
229	13.919	13.899	13.938	VV	26031	550749	2.70%	0.070%
230	13.948	13.938	13.962	VV	21256	280508	1.38%	0.036%
231	13.989	13.962	14.009	VV	27797	674475	3.31%	0.086%
232	14.026	14.009	14.044	VV	32957	608479	2.98%	0.077%
233	14.062	14.044	14.122	VV	28750	1107339	5.43%	0.141%
234	14.153	14.122	14.179	VV	35922	901192	4.42%	0.115%
235	14.195	14.179	14.220	VV	26946	540989	2.65%	0.069%
236	14.236	14.220	14.310	VV	20119	895230	4.39%	0.114%
237	14.332	14.310	14.345	VV	19409	354078	1.74%	0.045%
238	14.350	14.345	14.380	VV	19285	337552	1.66%	0.043%
239	14.385	14.380	14.404	VV	13987	187293	0.92%	0.024%
240	14.438	14.404	14.454	VV	16400	430423	2.11%	0.055%
241	14.494	14.454	14.523	VV	23241	643472	3.16%	0.082%
242	14.528	14.523	14.532	VV	12603	65414	0.32%	0.008%
243	14.544	14.532	14.559	VV	13014	203927	1.00%	0.026%
244	14.588	14.559	14.662	VV	17324	847029	4.15%	0.108%
245	14.666	14.662	14.669	VV	10473	40352	0.20%	0.005%
246	14.714	14.669	14.769	VV	15882	786093	3.85%	0.100%

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247	14.818	14.769	14.839	VV	17981	566499	2.78%	0.072%
248	14.857	14.839	14.874	VV	16138	274827		
249	14.890	14.874	14.916	VV	11881	252665		
250	14.943	14.916	14.959	VV	8741	206912		
251	14.978	14.959	15.001	VV	13028	270574		
252	15.018	15.001	15.040	VV	11308	214460		
253	15.050	15.040	15.089	VV	7167	190135	0.93%	0.024%
254	15.120	15.089	15.136	VV	7025	178436	0.87%	0.023%
255	15.171	15.136	15.194	VV	8405	244969	1.20%	0.031%
256	15.213	15.194	15.243	VV	9021	213944	1.05%	0.027%
257	15.258	15.243	15.284	VV	7522	150592	0.74%	0.019%
258	15.319	15.284	15.340	VV	9032	229888	1.13%	0.029%
259	15.369	15.340	15.399	VV	8863	265849	1.30%	0.034%
260	15.412	15.399	15.434	VV	6275	114099	0.56%	0.015%
261	15.478	15.434	15.529	VV	9378	311580	1.53%	0.040%
262	15.533	15.529	15.554	VV	3330	47637	0.23%	0.006%
263	15.569	15.554	15.574	VV	3589	40702	0.20%	0.005%
264	15.609	15.574	15.669	VV	11557	374599	1.84%	0.048%
265	15.684	15.669	15.715	VV	5311	96551	0.47%	0.012%
266	15.766	15.715	15.790	VV	6224	170019	0.83%	0.022%
267	15.801	15.790	15.822	VV	3806	57822	0.28%	0.007%
268	15.845	15.822	15.867	VV	9741	156769	0.77%	0.020%
269	15.883	15.867	15.914	VV	6166	107982	0.53%	0.014%
270	15.932	15.914	15.938	VV	2478	29647	0.15%	0.004%
271	15.957	15.938	15.975	VV	4000	70743	0.35%	0.009%
272	16.008	15.975	16.040	VV	5183	155366	0.76%	0.020%
273	16.045	16.040	16.057	VV	2659	23823	0.12%	0.003%
274	16.077	16.057	16.102	VV	3582	71864	0.35%	0.009%
275	16.112	16.102	16.117	VV	2153	18233	0.09%	0.002%
276	16.138	16.117	16.161	VV	2939	63735	0.31%	0.008%
277	16.177	16.161	16.190	VV	2651	39007	0.19%	0.005%
278	16.205	16.190	16.223	VV	3844	56772	0.28%	0.007%
279	16.242	16.223	16.252	VV	2262	35987	0.18%	0.005%
280	16.274	16.252	16.308	VV	2793	78117	0.38%	0.010%
281	16.316	16.308	16.329	VV	2229	20128	0.10%	0.003%
282	16.348	16.329	16.405	VV	2388	45635	0.22%	0.006%
283	16.444	16.405	16.474	PV	4492	101467	0.50%	0.013%
284	16.488	16.474	16.510	VV	2743	41253	0.20%	0.005%
285	16.550	16.510	16.570	VV	3740	85984	0.42%	0.011%
286	16.596	16.570	16.604	VV	2313	33556	0.16%	0.004%
287	16.646	16.604	16.677	VV	4571	107810	0.53%	0.014%
288	16.699	16.677	16.708	VV	1337	14516	0.07%	0.002%
289	16.735	16.708	16.779	VV	5263	102617	0.50%	0.013%
290	16.781	16.779	16.800	VV	1226	10432	0.05%	0.001%
291	16.832	16.800	16.844	VV	1437	26064	0.13%	0.003%
292	16.867	16.844	16.892	VV	3263	57176	0.28%	0.007%
293	16.909	16.892	16.939	VV	1806	41270	0.20%	0.005%
294	16.944	16.939	16.947	VV	1476	6209	0.03%	0.001%
295	16.957	16.947	16.984	VV	1884	27931	0.14%	0.004%
296	17.025	16.984	17.037	VV	2607	51547	0.25%	0.007%
297	17.055	17.037	17.085	VV	4327	70026	0.34%	0.009%
298	17.118	17.085	17.140	VV	2943	59942	0.29%	0.008%
299	17.146	17.140	17.152	VV	1268	8236	0.04%	0.001%

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300	17.161	17.152	17.178	VV	1897	24112	0.12%	0.003%
301	17.185	17.178	17.190	VV	1469	8813		
302	17.207	17.190	17.235	VV	2449	55158		
303	17.252	17.235	17.284	VV	4014	66599		
304	17.299	17.284	17.314	VV	1190	18223		
305	17.321	17.314	17.325	VV	1294	7364		
306	17.331	17.325	17.338	VV	1144	7614	0.04%	0.001%
307	17.344	17.338	17.354	VV	1128	8523	0.04%	0.001%
308	17.358	17.354	17.382	VV	1089	14377	0.07%	0.002%
309	17.395	17.382	17.403	VV	907	8767	0.04%	0.001%
310	17.448	17.403	17.464	VV	2757	56865	0.28%	0.007%
311	17.469	17.464	17.476	VV	1435	9408	0.05%	0.001%
312	17.480	17.476	17.494	VV	1421	11426	0.06%	0.001%
313	17.515	17.494	17.536	VV	2411	40905	0.20%	0.005%
314	17.551	17.536	17.565	VV	1385	18441	0.09%	0.002%
315	17.575	17.565	17.582	VV	1154	10425	0.05%	0.001%
316	17.615	17.582	17.635	VV	3514	71150	0.35%	0.009%
317	17.642	17.635	17.671	VV	2937	39679	0.19%	0.005%
318	17.675	17.671	17.679	VV	635	2714	0.01%	0.000%
319	17.699	17.679	17.724	VV	1254	25374	0.12%	0.003%
320	17.734	17.724	17.744	VV	1385	13265	0.07%	0.002%
321	17.751	17.744	17.765	VV	1413	15428	0.08%	0.002%
322	17.781	17.765	17.805	VV	2125	30115	0.15%	0.004%
323	17.827	17.805	17.860	VV	2002	38656	0.19%	0.005%
324	17.886	17.860	17.910	VV	936	13511	0.07%	0.002%
325	17.929	17.910	17.937	VV	685	6746	0.03%	0.001%
326	17.941	17.937	17.945	VV	655	1863	0.01%	0.000%
327	17.955	17.945	17.972	VV	588	5260	0.03%	0.001%
328	17.992	17.972	18.017	VV	866	16787	0.08%	0.002%
329	18.022	18.017	18.049	VV	815	7543	0.04%	0.001%
330	18.063	18.049	18.070	PV	1454	13092	0.06%	0.002%
331	18.091	18.070	18.120	VV	3344	49894	0.24%	0.006%
332	18.130	18.120	18.137	VV	1025	7794	0.04%	0.001%
333	18.152	18.137	18.170	VV	1501	24555	0.12%	0.003%
334	18.174	18.170	18.211	VV	1531	20757	0.10%	0.003%
335	18.240	18.211	18.252	VV	2068	34564	0.17%	0.004%
336	18.272	18.252	18.307	VV	2621	52704	0.26%	0.007%
337	18.345	18.307	18.359	VV	1723	32012	0.16%	0.004%
338	18.378	18.359	18.402	VV	1614	26154	0.13%	0.003%
339	18.451	18.402	18.482	VV	3899	77796	0.38%	0.010%
340	18.497	18.482	18.540	VV	2218	51812	0.25%	0.007%
341	18.544	18.540	18.547	VV	561	1901	0.01%	0.000%
342	18.555	18.547	18.564	VV	646	4384	0.02%	0.001%
343	18.578	18.564	18.584	VV	535	4147	0.02%	0.001%
344	18.610	18.584	18.633	VV	2791	40775	0.20%	0.005%
345	18.669	18.633	18.680	VV	1192	23782	0.12%	0.003%
346	18.690	18.680	18.707	VV	786	7608	0.04%	0.001%
347	18.745	18.707	18.777	PV	2390	46544	0.23%	0.006%
348	18.784	18.777	18.800	VBA	515	7868	0.04%	0.001%

Sum of corrected areas: 785266291

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-8DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-07DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052303.D	50	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		303		20.3	53.4	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		444		12.8	35.6	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		143		16.0	53.4	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		42.7	U	42.7	71.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		96.1	U	96.1	106	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.67		40 - 140	67%	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:	Q1308-07DL	Acq On:	07 Feb 2025 22:27
Client Sample ID:	EX-11-TPH-8DL	Operator:	YP\AJ
Data file:	FE052303.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	8206358	85.319	300	ug/ml
Aliphatic C12-C16	7.236	10.639	13074948	124.863	200	ug/ml
Aliphatic C16-C21	10.640	13.984	4554080	40.294	300	ug/ml
Aliphatic C21-C28	13.985	17.628	451158	3.958	400	ug/ml
Aliphatic C28-C40	17.629	22.712	404497	4.418	600	ug/ml
Aliphatic EPH	3.679	22.712	26691041	258.852		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.715	13.715	66559	0.67		ug/ml
Aliphatic C9-C28	3.679	17.628	26286544	254.434	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052303.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 22:27
Operator : YP\AJ
Sample : Q1308-07DL 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:28:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-8DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.715	66559	0.674 ug/mlm
Spiked Amount 50.000		Recovery =	1.35%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052303.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 22:27
Operator : YP\AJ
Sample : Q1308-07DL 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

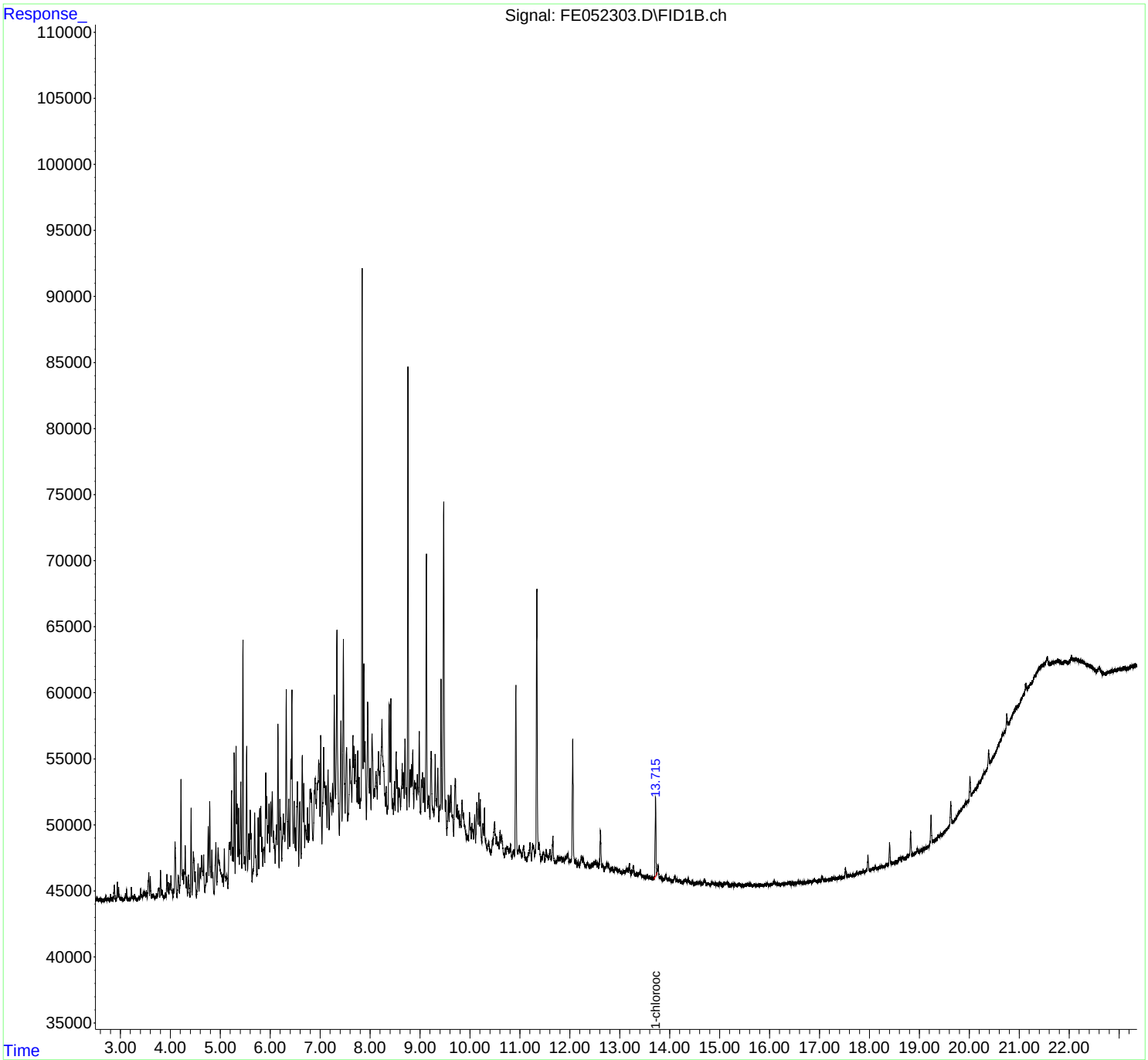
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8DL

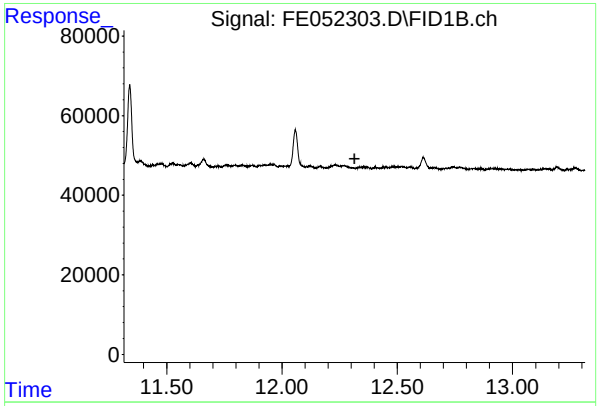
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:28:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





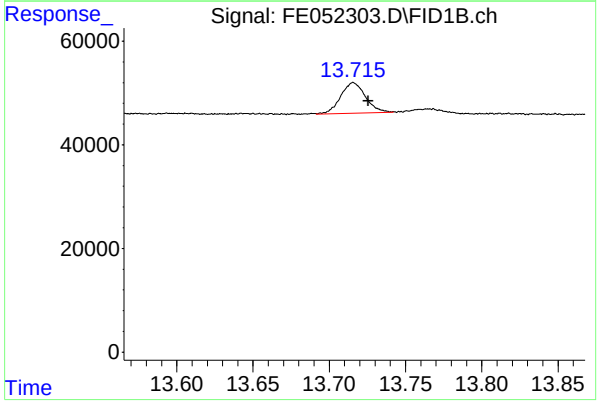
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.715 min
Delta R.T.: -0.010 min
Response: 66559
Conc: 0.67 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel
02/10/2025

Supervised By :Ankita Jodhani
02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052303.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 22:27
Sample : Q1308-07DL 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.204	3.238	BV	852	7384	1.15%	0.028%
2	3.250	3.238	3.267	VV	167	2461	0.38%	0.009%
3	3.283	3.267	3.343	VV	361	4933	0.77%	0.018%
4	3.371	3.343	3.382	PV	244	2648	0.41%	0.010%
5	3.404	3.382	3.439	VV	800	12427	1.94%	0.046%
6	3.484	3.439	3.504	VV	614	16251	2.54%	0.061%
7	3.520	3.504	3.537	VV	673	8565	1.34%	0.032%
8	3.568	3.537	3.584	VV	2010	30570	4.78%	0.114%
9	3.599	3.584	3.624	VV	1693	19620	3.07%	0.073%
10	3.632	3.624	3.704	VV	296	10722	1.68%	0.040%
11	3.719	3.704	3.735	VV	442	5433	0.85%	0.020%
12	3.770	3.735	3.785	VV	844	17338	2.71%	0.065%
13	3.804	3.785	3.822	VV	2147	23990	3.75%	0.089%
14	3.835	3.822	3.873	VV	698	10813	1.69%	0.040%
15	3.897	3.873	3.910	VV	389	5147	0.80%	0.019%
16	3.932	3.910	3.947	VV	1851	23016	3.60%	0.086%
17	3.959	3.947	3.973	VV	1241	13378	2.09%	0.050%
18	3.988	3.973	3.997	VV	1192	12447	1.95%	0.046%
19	4.012	3.997	4.051	VV	1737	28253	4.42%	0.105%
20	4.095	4.051	4.130	VV	4326	72600	11.35%	0.271%
21	4.158	4.130	4.181	VV	1737	30504	4.77%	0.114%
22	4.213	4.181	4.244	VV	9018	117744	18.40%	0.439%
23	4.257	4.244	4.268	VV	2208	25186	3.94%	0.094%
24	4.298	4.268	4.315	VV	4013	62974	9.84%	0.235%
25	4.326	4.315	4.343	VV	1681	17701	2.77%	0.066%
26	4.360	4.343	4.398	VV	1812	28751	4.49%	0.107%
27	4.416	4.398	4.436	VV	6780	65607	10.25%	0.245%
28	4.463	4.436	4.489	VV	3526	69265	10.83%	0.258%
29	4.499	4.489	4.524	VV	2027	23738	3.71%	0.089%
30	4.555	4.524	4.574	VV	2654	38463	6.01%	0.143%
31	4.628	4.607	4.652	VV	3199	62791	9.81%	0.234%
32	4.667	4.652	4.689	VV	3297	41829	6.54%	0.156%
33	4.722	4.689	4.734	VV	1910	32588	5.09%	0.122%
34	4.832	4.816	4.877	VV	3558	64564	10.09%	0.241%
35	4.912	4.877	4.932	VV	4190	72314	11.30%	0.270%
36	5.053	5.043	5.065	VV	1824	18999	2.97%	0.071%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel
02/10/2025
Supervised By :Ankita Jadhani
02/10/2025

rteres

37	5.082	5.065	5.113	VV	3701	59519	9.30%	0.222%
38	5.131	5.113	5.152	VV	1830	33449	5	
39	5.179	5.152	5.190	VV	4162	65121	10	
40	5.200	5.190	5.210	VV	4191	45956	7	
41	5.225	5.210	5.243	VV	8054	103451	16	
42	5.254	5.243	5.263	VV	3813	39741	6	
43	5.279	5.263	5.298	VV	10733	122200	19.10%	0.456%
44	5.316	5.298	5.329	VV	11289	127874	19.99%	0.477%
45	5.338	5.329	5.354	VV	7096	82881	12.95%	0.309%
46	5.367	5.354	5.381	VV	6769	75272	11.77%	0.281%
47	5.410	5.381	5.430	VV	8586	136147	21.28%	0.508%
48	5.454	5.430	5.479	VV	19442	247171	38.63%	0.922%
49	5.491	5.479	5.503	VV	3100	39832	6.23%	0.149%
50	5.528	5.503	5.548	VV	11394	153619	24.01%	0.573%
51	5.570	5.548	5.586	VV	4860	82642	12.92%	0.308%
52	5.601	5.586	5.613	VV	6589	78923	12.34%	0.294%
53	5.616	5.613	5.638	VV	4915	47705	7.46%	0.178%
54	5.689	5.638	5.733	VV	6310	168517	26.34%	0.629%
55	5.758	5.733	5.773	VV	6025	83863	13.11%	0.313%
56	5.790	5.773	5.800	VV	6644	81478	12.74%	0.304%
57	5.813	5.800	5.829	VV	6919	94347	14.75%	0.352%
58	5.838	5.829	5.852	VV	4556	49369	7.72%	0.184%
59	5.874	5.852	5.889	VV	3790	75428	11.79%	0.281%
60	5.912	5.889	5.944	VV	9414	206661	32.30%	0.771%
61	5.955	5.944	5.961	VV	5395	51012	7.97%	0.190%
62	5.975	5.961	5.991	VV	7052	97864	15.30%	0.365%
63	6.010	5.991	6.024	VV	7180	109478	17.11%	0.408%
64	6.042	6.024	6.099	VV	7963	225418	35.23%	0.841%
65	6.127	6.099	6.138	VV	5434	99206	15.51%	0.370%
66	6.156	6.138	6.177	VV	13143	170232	26.61%	0.635%
67	6.195	6.177	6.231	VV	7370	161669	25.27%	0.603%
68	6.263	6.231	6.275	VV	6260	123906	19.37%	0.462%
69	6.283	6.275	6.295	VV	5603	62109	9.71%	0.232%
70	6.321	6.295	6.355	VV	15597	277629	43.40%	1.036%
71	6.371	6.355	6.391	VV	7412	115696	18.08%	0.432%
72	6.434	6.391	6.462	VV	15527	354277	55.38%	1.322%
73	6.480	6.462	6.494	VV	7205	101601	15.88%	0.379%
74	6.504	6.494	6.515	VV	5185	56199	8.78%	0.210%
75	6.545	6.515	6.573	VV	8686	204085	31.90%	0.761%
76	6.594	6.573	6.620	VV	7172	138426	21.64%	0.516%
77	6.642	6.620	6.662	VV	10628	180608	28.23%	0.674%
78	6.674	6.662	6.692	VV	8576	113981	17.82%	0.425%
79	6.705	6.692	6.731	VV	5297	112686	17.61%	0.420%
80	6.748	6.731	6.763	VV	6721	103716	16.21%	0.387%
81	6.773	6.763	6.782	VV	5404	55098	8.61%	0.206%
82	6.811	6.782	6.820	VV	8067	163270	25.52%	0.609%
83	6.829	6.820	6.861	VV	7771	142847	22.33%	0.533%
84	6.898	6.861	6.928	VV	8941	281191	43.95%	1.049%
85	6.972	6.928	6.996	VV	10276	353371	55.23%	1.318%
86	7.013	6.996	7.036	VV	12228	196055	30.65%	0.731%
87	7.071	7.036	7.107	VV	11156	329540	51.51%	1.229%
88	7.121	7.107	7.139	VV	8310	139175	21.75%	0.519%
89	7.159	7.139	7.181	VV	9545	180548	28.22%	0.674%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8DL

rteres

90	7.205	7.181	7.234	VV	7778	218866	34.21%	0.816%
91	7.250	7.234	7.264	VV	8490	129543	20	
92	7.284	7.264	7.308	VV	15173	266107	41	
93	7.336	7.308	7.385	VV	20121	476210	74	
94	7.417	7.385	7.439	VV	13198	281961	44	
95	7.466	7.439	7.501	VV	19239	402365	62	
96	7.529	7.501	7.551	VV	11194	265853	41.56%	0.992%
97	7.596	7.551	7.635	VV	10182	404663	63.25%	1.510%
98	7.655	7.635	7.689	VV	12013	325745	50.92%	1.215%
99	7.709	7.689	7.739	VV	10654	270944	42.35%	1.011%
100	7.754	7.739	7.769	VV	10881	164169	25.66%	0.612%
101	7.782	7.769	7.798	VV	8851	130857	20.45%	0.488%
102	7.842	7.798	7.860	VV	47235	639762	100.00%	2.387%
103	7.876	7.860	7.892	VV	17526	258150	40.35%	0.963%
104	7.900	7.892	7.927	VV	11579	191538	29.94%	0.715%
105	7.953	7.927	7.987	VV	14510	359410	56.18%	1.341%
106	8.000	7.987	8.018	VV	9604	157154	24.56%	0.586%
107	8.041	8.018	8.070	VV	12045	298921	46.72%	1.115%
108	8.083	8.070	8.095	VV	7993	112614	17.60%	0.420%
109	8.119	8.095	8.143	VV	9352	244811	38.27%	0.913%
110	8.170	8.143	8.198	VV	10807	302365	47.26%	1.128%
111	8.323	8.309	8.341	VV	8174	138718	21.68%	0.517%
112	8.383	8.341	8.403	VV	14212	351683	54.97%	1.312%
113	8.417	8.403	8.443	VV	14705	245083	38.31%	0.914%
114	8.454	8.443	8.468	VV	7267	103584	16.19%	0.386%
115	8.489	8.468	8.502	VV	8491	148438	23.20%	0.554%
116	8.522	8.502	8.562	VV	10751	308140	48.16%	1.149%
117	8.576	8.562	8.611	VV	7945	216316	33.81%	0.807%
118	8.644	8.611	8.659	VV	9839	236212	36.92%	0.881%
119	8.670	8.659	8.683	VV	9101	123827	19.36%	0.462%
120	8.804	8.784	8.818	VV	9354	167623	26.20%	0.625%
121	8.830	8.818	8.841	VV	9798	123139	19.25%	0.459%
122	8.855	8.841	8.876	VV	10876	189410	29.61%	0.707%
123	8.891	8.876	8.900	VV	8539	112179	17.53%	0.418%
124	8.910	8.900	8.933	VV	8369	156946	24.53%	0.585%
125	8.947	8.933	8.964	VV	8980	149937	23.44%	0.559%
126	8.986	8.964	9.012	VV	12252	251420	39.30%	0.938%
127	9.082	9.067	9.100	VV	8728	148989	23.29%	0.556%
128	9.175	9.154	9.198	VV	7376	176470	27.58%	0.658%
129	9.225	9.198	9.281	VV	10674	373402	58.37%	1.393%
130	9.358	9.339	9.379	VV	9471	182651	28.55%	0.681%
131	9.423	9.379	9.444	VV	16187	343215	53.65%	1.280%
132	9.567	9.538	9.581	VV	7410	154934	24.22%	0.578%
133	9.596	9.581	9.607	VV	7276	102999	16.10%	0.384%
134	9.707	9.674	9.730	VV	8545	229257	35.83%	0.855%
135	9.746	9.730	9.760	VV	6579	110426	17.26%	0.412%
136	9.773	9.760	9.789	VV	6164	99403	15.54%	0.371%
137	9.801	9.789	9.822	VV	5948	106579	16.66%	0.398%
138	9.843	9.822	9.868	VV	7003	166665	26.05%	0.622%
139	9.874	9.868	9.927	VV	5922	178512	27.90%	0.666%
140	9.939	9.927	9.954	VV	4406	70129	10.96%	0.262%
141	9.961	9.954	9.971	VV	4231	40817	6.38%	0.152%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel
02/10/2025

Supervised By :Ankita Jadhani
02/10/2025

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-8DL

Manual IntegrationsAPPROVED

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02/10/2025

rteres

142	9.993	9.971	10.025	VV	5987	160896	25.15%	0.600%
143	10.040	10.025	10.072	VV	5125	130981	20	
144	10.096	10.072	10.114	VV	5872	121698	19	
145	10.138	10.114	10.160	VV	6808	154715	24	
146	10.179	10.160	10.194	VV	7487	123818	19	
147	10.208	10.194	10.236	VV	6984	135343	21	
148	10.257	10.236	10.276	VV	5198	110021	17.20%	0.410%
149	10.292	10.276	10.341	VV	6382	170234	26.61%	0.635%
150	10.376	10.341	10.419	VV	3839	157867	24.68%	0.589%
151	10.452	10.419	10.463	VV	3955	90919	14.21%	0.339%
152	10.493	10.463	10.525	VV	5299	165643	25.89%	0.618%
153	10.536	10.525	10.552	VV	4137	62059	9.70%	0.232%
154	10.565	10.552	10.581	VV	3703	63325	9.90%	0.236%
155	10.604	10.581	10.618	VV	4650	87232	13.64%	0.325%
156	10.635	10.618	10.689	VV	4306	149952	23.44%	0.559%
157	10.710	10.689	10.723	VV	3368	61620	9.63%	0.230%
158	10.739	10.723	10.784	VV	3397	117224	18.32%	0.437%
159	10.812	10.784	10.844	VV	3573	110456	17.27%	0.412%
160	10.869	10.844	10.890	VV	3079	79229	12.38%	0.296%
161	10.921	10.890	10.958	VV	15607	276742	43.26%	1.032%
162	10.986	10.958	11.038	VV	3439	147626	23.08%	0.551%
163	11.073	11.038	11.108	VV	3452	123067	19.24%	0.459%
164	11.117	11.108	11.141	VV	2571	49306	7.71%	0.184%
165	11.202	11.141	11.238	VV	3587	166953	26.10%	0.623%
166	11.254	11.238	11.263	VV	3574	48761	7.62%	0.182%
167	11.273	11.263	11.292	VV	3479	54142	8.46%	0.202%
168	11.340	11.292	11.373	VV	22820	387216	60.53%	1.444%
169	11.385	11.373	11.420	VV	3626	87387	13.66%	0.326%
170	11.439	11.420	11.448	VV	2624	40731	6.37%	0.152%
171	11.477	11.448	11.501	VV	2907	85199	13.32%	0.318%
172	11.525	11.501	11.544	VV	3117	70932	11.09%	0.265%
173	11.554	11.544	11.574	VV	2750	46872	7.33%	0.175%
174	11.604	11.574	11.625	VV	3118	83598	13.07%	0.312%
175	11.661	11.625	11.701	VV	4048	128520	20.09%	0.479%
176	11.723	11.701	11.734	VV	2228	44251	6.92%	0.165%
177	11.759	11.734	11.779	VV	2588	64252	10.04%	0.240%
178	11.795	11.779	11.811	VV	2486	46289	7.24%	0.173%
179	11.828	11.811	11.849	VV	2553	54709	8.55%	0.204%
180	11.874	11.849	11.891	VV	2490	59218	9.26%	0.221%
181	11.905	11.891	11.913	VV	2526	32126	5.02%	0.120%
182	11.951	11.913	11.982	VV	2750	104261	16.30%	0.389%
183	12.058	11.982	12.103	VV	11377	281286	43.97%	1.049%
184	12.121	12.103	12.147	VV	2382	56741	8.87%	0.212%
185	12.167	12.147	12.191	VV	2245	52070	8.14%	0.194%
186	12.230	12.191	12.250	VV	2545	79259	12.39%	0.296%
187	12.267	12.250	12.318	VV	2395	84387	13.19%	0.315%
188	12.352	12.318	12.389	VV	2011	80382	12.56%	0.300%
189	12.405	12.389	12.423	VV	1922	36692	5.74%	0.137%
190	12.441	12.423	12.467	VV	1974	49903	7.80%	0.186%
191	12.481	12.467	12.504	VV	2082	43701	6.83%	0.163%
192	12.521	12.504	12.541	VV	2148	45959	7.18%	0.171%
193	12.555	12.541	12.575	VV	2028	37830	5.91%	0.141%
194	12.613	12.575	12.644	VV	4356	108850	17.01%	0.406%

Instrument :
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EX-11-TPH-8DL

Manual IntegrationsAPPROVED

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rteres

195	12.659	12.644	12.687	VV	1852	43817	6.85%	0.163%
196	12.743	12.687	12.757	VV	2024	73343	11	
197	12.770	12.757	12.807	VV	1934	50936	7	
198	12.831	12.807	12.847	VV	1645	37622	5	
199	12.863	12.847	12.880	VV	1614	30157	4	
200	12.901	12.880	12.918	VV	1606	33456	5	
201	12.921	12.918	12.969	VV	1594	45871	7.17%	0.171%
202	12.980	12.969	13.018	VV	1427	39163	6.12%	0.146%
203	13.030	13.018	13.047	VV	1306	22580	3.53%	0.084%
204	13.065	13.047	13.081	VV	1457	26913	4.21%	0.100%
205	13.137	13.081	13.171	VV	1502	73696	11.52%	0.275%
206	13.192	13.171	13.224	VV	1900	48060	7.51%	0.179%
207	13.271	13.224	13.317	VV	1762	73837	11.54%	0.275%
208	13.335	13.317	13.360	VV	1212	28101	4.39%	0.105%
209	13.382	13.360	13.395	VV	1233	24472	3.83%	0.091%
210	13.414	13.395	13.481	VV	1439	55194	8.63%	0.206%
211	13.491	13.481	13.527	VV	941	24993	3.91%	0.093%
212	13.546	13.527	13.581	VV	1023	29454	4.60%	0.110%
213	13.596	13.581	13.633	VV	897	26167	4.09%	0.098%
214	13.643	13.633	13.680	VV	864	22637	3.54%	0.084%
215	13.716	13.680	13.744	VV	6756	102276	15.99%	0.382%
216	13.765	13.744	13.801	VV	1758	42478	6.64%	0.158%
217	13.816	13.801	13.861	VV	910	27967	4.37%	0.104%
218	13.877	13.861	13.898	VV	707	15551	2.43%	0.058%
219	13.921	13.898	13.954	VV	1010	27592	4.31%	0.103%
220	13.987	13.954	14.034	VV	741	31719	4.96%	0.118%
221	14.048	14.034	14.067	VV	636	10774	1.68%	0.040%
222	14.103	14.067	14.126	VV	980	25691	4.02%	0.096%
223	14.146	14.126	14.177	VV	623	17559	2.74%	0.066%
224	14.194	14.177	14.264	VV	615	25623	4.01%	0.096%
225	14.294	14.264	14.303	VV	544	11368	1.78%	0.042%
226	14.317	14.303	14.351	VV	655	15309	2.39%	0.057%
227	14.369	14.351	14.440	VV	672	24762	3.87%	0.092%
228	14.458	14.440	14.483	VV	529	10068	1.57%	0.038%
229	14.506	14.483	14.518	VV	405	7420	1.16%	0.028%
230	14.530	14.518	14.561	VV	422	9541	1.49%	0.036%
231	14.584	14.561	14.635	VV	410	15637	2.44%	0.058%
232	14.644	14.635	14.661	VV	337	4628	0.72%	0.017%
233	14.696	14.661	14.737	VV	619	18642	2.91%	0.070%
234	14.765	14.737	14.808	VV	340	11647	1.82%	0.043%
235	14.845	14.808	14.898	VV	358	14974	2.34%	0.056%
236	14.906	14.898	14.918	VV	234	2761	0.43%	0.010%
237	14.949	14.918	15.052	VV	281	17380	2.72%	0.065%
238	15.102	15.052	15.118	VV	335	8768	1.37%	0.033%
239	15.148	15.118	15.204	VV	374	11785	1.84%	0.044%
240	15.262	15.204	15.285	VV	199	6403	1.00%	0.024%
241	15.317	15.285	15.331	VV	201	3736	0.58%	0.014%
242	15.337	15.331	15.357	VV	94	1358	0.21%	0.005%
243	15.378	15.357	15.394	PV	213	3113	0.49%	0.012%
244	15.401	15.394	15.440	VV	181	2833	0.44%	0.011%
245	15.464	15.440	15.480	VV	150	2116	0.33%	0.008%
246	15.500	15.480	15.536	VV	161	3029	0.47%	0.011%

Instrument :
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EX-11-TPH-8DL

Manual IntegrationsAPPROVED

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02/10/2025

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247	15.562	15.536	15.674	VV	211	9667	1.51%	0.036%
248	15.708	15.674	15.724	VV	132	3041		
249	15.734	15.724	15.784	VV	150	2203		
250	15.856	15.784	15.872	VV	149	4237		
251	15.891	15.872	15.948	PV	147	3723		
252	15.959	15.948	15.994	VV	187	3319		
253	16.012	15.994	16.022	VV	123	1840	0.29%	0.007%
254	16.039	16.022	16.057	VV	163	2532	0.40%	0.009%
255	16.084	16.057	16.158	VV	260	10466	1.64%	0.039%
256	16.191	16.158	16.220	VV	182	3674	0.57%	0.014%
257	16.254	16.220	16.277	PV	162	3330	0.52%	0.012%
258	16.288	16.277	16.307	VV	131	1858	0.29%	0.007%
259	16.384	16.307	16.448	VV	251	11578	1.81%	0.043%
260	16.472	16.448	16.488	VV	136	2387	0.37%	0.009%
261	16.575	16.488	16.598	VV	326	8506	1.33%	0.032%
262	16.617	16.598	16.680	VV	154	4740	0.74%	0.018%
263	16.695	16.680	16.720	PV	114	2000	0.31%	0.007%
264	16.755	16.720	16.783	VV	113	2733	0.43%	0.010%
265	16.820	16.783	16.840	VV	160	3286	0.51%	0.012%
266	16.903	16.840	16.950	PV	199	7053	1.10%	0.026%
267	16.961	16.950	16.975	VV	105	1086	0.17%	0.004%
268	17.054	16.975	17.144	VV	358	10666	1.67%	0.040%
269	17.199	17.144	17.214	VV	105	2358	0.37%	0.009%
270	17.231	17.214	17.238	VV	113	922	0.14%	0.003%
271	17.287	17.238	17.328	VV	149	3339	0.52%	0.012%
272	17.335	17.328	17.345	VV	87	481	0.08%	0.002%
273	17.403	17.345	17.414	PV	109	2827	0.44%	0.011%
274	17.426	17.414	17.461	VV	106	1481	0.23%	0.006%
275	17.520	17.461	17.561	VV	721	12611	1.97%	0.047%
276	17.573	17.561	17.592	VV	169	2066	0.32%	0.008%
277	17.610	17.592	17.644	PV	124	2504	0.39%	0.009%
278	17.678	17.644	17.698	VV	93	1962	0.31%	0.007%
279	17.748	17.698	17.762	VV	195	2846	0.44%	0.011%
280	17.771	17.762	17.781	VV	90	826	0.13%	0.003%
281	17.842	17.781	17.854	VV	124	3976	0.62%	0.015%
282	17.871	17.854	17.898	VV	217	2529	0.40%	0.009%
283	17.969	17.898	18.014	VV	1219	18775	2.93%	0.070%
284	18.062	18.014	18.090	VV	144	3866	0.60%	0.014%
285	18.111	18.090	18.144	VV	208	3238	0.51%	0.012%
286	18.261	18.144	18.271	PV	107	2801	0.44%	0.010%
287	18.293	18.271	18.298	VV	81	626	0.10%	0.002%
288	18.340	18.298	18.364	VV	153	2839	0.44%	0.011%
289	18.403	18.364	18.475	VV	1598	26548	4.15%	0.099%
290	18.544	18.475	18.558	PV	124	3721	0.58%	0.014%
291	18.594	18.558	18.643	PV	304	8599	1.34%	0.032%
292	18.679	18.643	18.734	VV	173	5243	0.82%	0.020%
293	18.824	18.734	18.861	VV	1897	29712	4.64%	0.111%
294	18.957	18.861	18.995	PV	402	9168	1.43%	0.034%
295	19.091	18.995	19.107	PV	108	3585	0.56%	0.013%
296	19.232	19.107	19.268	PV	2145	28947	4.52%	0.108%
297	19.377	19.268	19.397	VV	216	4977	0.78%	0.019%
298	19.430	19.397	19.446	VV	169	2437	0.38%	0.009%
299	19.628	19.446	19.652	PV	1805	30936	4.84%	0.115%

Instrument :
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EX-11-TPH-8DL

rteres

300	19.876	19.652	19.887	VV	472	38626	6.04%	0.144%
301	19.928	19.887	19.938	VV	563	15103	2	
302	20.294	20.044	20.311	VV	1424	152611	23	
			Sum of corrected areas:			268		

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel
02/10/2025

Supervised By :Ankita Jodhani
02/10/2025

Aliphatic EPH 020325.M Mon Feb 10 03:30:28 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-8DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-07DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015503.D	10	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	39.9		3.20	7.12	mg/kg
Aromatic C12-C16	Aromatic C12-C16	169		3.63	10.7	mg/kg
Aromatic C16-C21	Aromatic C16-C21	186		10.2	17.8	mg/kg
Aromatic C21-C36	Aromatic C21-C36	15.6	J	21.3	28.5	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	6.92		40 - 140	138%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	5.33		40 - 140	107%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.86		40 - 140	77%	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:	Q1308-07DL	Acq On:	08 Feb 2025 01:26
Client Sample ID:	EX-11-TPH-8DL	Operator:	YP\AJ
Data file:	FF015503.D	Misc:	
Instrument:	FID_F	ALS Vial:	87
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	7746930	56.087	200	ug/ml
Aromatic C12-C16	6.375	9.068	32024208	238.693	300	ug/ml
Aromatic C16-C21	9.069	13.385	32266021	261.898	500	ug/ml
Aromatic C21-C36	13.386	18.838	2575796	21.87	800	ug/ml
Aromatic EPH	4.505	18.838	74612955	578.549		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	508425	3.86		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	822111	6.92		ug/ml
2-Flurobiphenyl (SURR)	8.872	8.872	404512	5.33		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015503.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 01:26
Operator : YP\AJ
Sample : Q1308-07DL 10X
Misc :
ALS Vial : 87 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:39:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-8DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.996	822111	6.917 ug/mlm
Spiked Amount 50.000		Recovery =	13.83%
6) S 2-Flurobiphenyl (SURR)	8.872	404512	5.327 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.65%
11) S ortho-Terphenyl (SURR)	11.932	508425	3.855 ug/ml
Spiked Amount 50.000		Recovery =	7.71%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015503.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 01:26
Operator : YP\AJ
Sample : Q1308-07DL 10X
Misc :
ALS Vial : 87 Sample Multiplier: 1

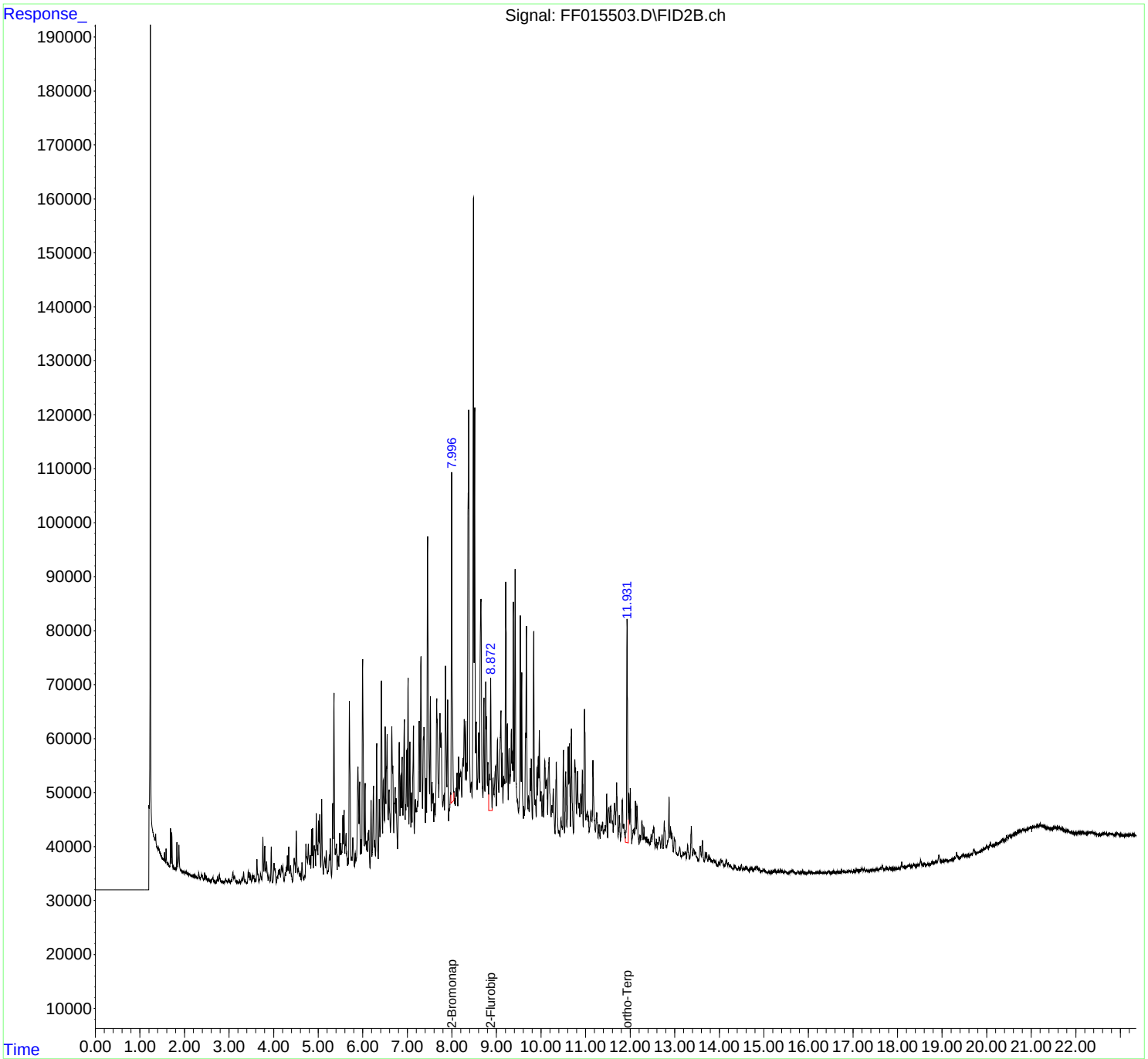
Integration File: autoint1.e
Quant Time: Feb 10 00:39:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

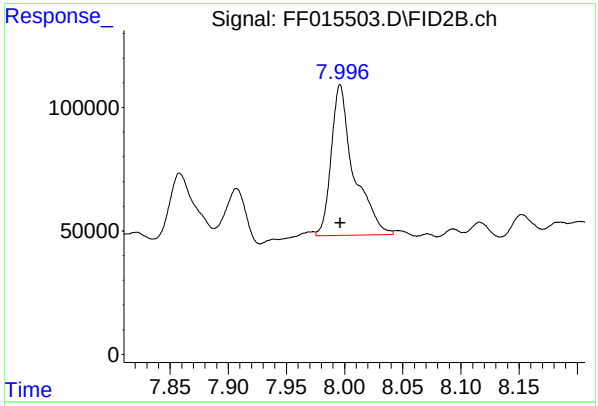
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-8DL

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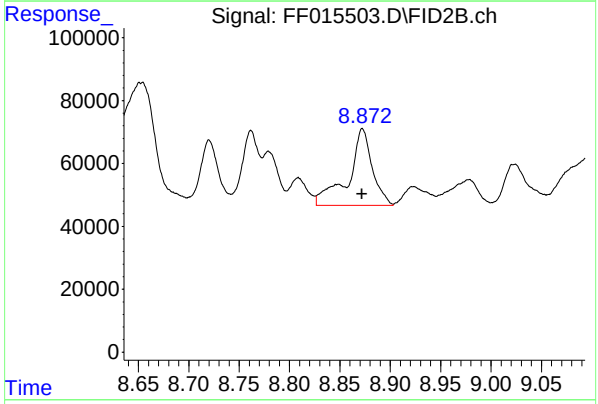
#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.000 mi
Response: 822111
Conc: 6.92 ug/m

Instrument :
FID_F
ClientSampleId :
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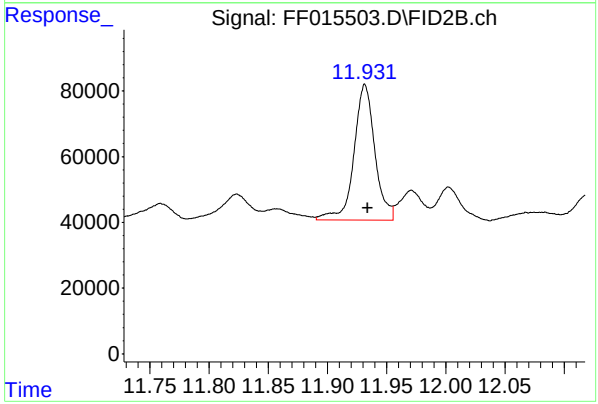
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 404512
Conc: 5.33 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.002 min
Response: 508425
Conc: 3.86 ug/ml

Instrument :
FID_F
ClientSampleId :
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rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015503.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 01:26
Sample : Q1308-07DL 10X
Misc :
ALS Vial : 87 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.462	4.400	4.491	BV	3535	55265	2.79%	0.071%
2	4.509	4.491	4.536	VV	8690	114459	5.78%	0.147%
3	4.550	4.536	4.589	VV	1851	39265	1.98%	0.050%
4	4.601	4.589	4.617	VV	1157	11863	0.60%	0.015%
5	4.637	4.617	4.667	PV	3174	41364	2.09%	0.053%
6	4.671	4.667	4.682	VV	372	2433	0.12%	0.003%
7	4.698	4.682	4.706	VV	732	6985	0.35%	0.009%
8	4.726	4.706	4.762	VV	6601	131507	6.64%	0.169%
9	4.780	4.762	4.812	VV	6636	130545	6.59%	0.167%
10	4.825	4.812	4.836	VV	4555	51237	2.59%	0.066%
11	4.852	4.836	4.864	VV	9306	99346	5.01%	0.127%
12	4.876	4.864	4.892	VV	9525	104898	5.29%	0.134%
13	4.913	4.892	4.942	VV	6321	140199	7.07%	0.180%
14	4.959	4.942	4.976	VV	12257	160465	8.10%	0.206%
15	4.983	4.976	4.993	VV	6008	56560	2.85%	0.072%
16	5.008	4.993	5.020	VV	10868	129846	6.55%	0.166%
17	5.033	5.020	5.059	VV	12070	171804	8.67%	0.220%
18	5.080	5.059	5.117	VV	14874	215175	10.86%	0.276%
19	5.147	5.117	5.166	VV	4026	83814	4.23%	0.107%
20	5.182	5.166	5.209	VV	5393	79412	4.01%	0.102%
21	5.251	5.209	5.259	VV	4547	74239	3.75%	0.095%
22	5.273	5.259	5.299	VV	7626	96032	4.85%	0.123%
23	5.326	5.299	5.338	VV	14113	156669	7.90%	0.201%
24	5.355	5.338	5.382	VV	34348	439823	22.19%	0.564%
25	5.392	5.382	5.400	VV	5397	56833	2.87%	0.073%
26	5.410	5.400	5.427	VV	6615	77339	3.90%	0.099%
27	5.446	5.427	5.463	VV	4311	71981	3.63%	0.092%
28	5.483	5.463	5.498	VV	8525	123746	6.24%	0.159%
29	5.509	5.498	5.521	VV	6700	77439	3.91%	0.099%
30	5.554	5.521	5.568	VV	11931	210538	10.62%	0.270%
31	5.582	5.568	5.598	VV	12789	159702	8.06%	0.205%
32	5.626	5.598	5.660	VV	8526	213733	10.78%	0.274%
33	5.673	5.660	5.682	VV	3870	42461	2.14%	0.054%
34	5.701	5.682	5.740	VV	33013	556493	28.08%	0.713%
35	5.750	5.740	5.760	VV	4104	44006	2.22%	0.056%
36	5.778	5.760	5.814	VV	7715	165493	8.35%	0.212%

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Manual IntegrationsAPPROVED

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rteres

37	5.833	5.814	5.847	VV	4834	75621	3.82%	0.097%
38	5.892	5.847	5.918	VV	20800	481047	24	
39	5.930	5.918	5.951	VV	18062	227308	11	
40	5.966	5.951	5.977	VV	7379	94676	4	
41	5.997	5.977	6.035	VV	40671	716452	36	
42	6.053	6.035	6.069	VV	17675	219396	11	
43	6.073	6.069	6.084	VV	6811	58270	2.94%	0.075%
44	6.094	6.084	6.105	VV	7096	77734	3.92%	0.100%
45	6.118	6.105	6.127	VV	8490	95606	4.82%	0.123%
46	6.138	6.127	6.164	VV	9001	128968	6.51%	0.165%
47	6.188	6.164	6.206	VV	14601	194942	9.84%	0.250%
48	6.241	6.206	6.260	VV	17206	307596	15.52%	0.394%
49	6.269	6.260	6.287	VV	7140	96055	4.85%	0.123%
50	6.313	6.287	6.348	VV	25146	420290	21.21%	0.539%
51	6.371	6.348	6.387	VV	14705	215265	10.86%	0.276%
52	6.419	6.387	6.447	VV	36709	711030	35.88%	0.911%
53	6.462	6.447	6.489	VV	18342	356379	17.98%	0.457%
54	6.505	6.489	6.518	VV	28190	350067	17.66%	0.449%
55	6.547	6.518	6.573	VV	26796	599080	30.23%	0.768%
56	6.590	6.573	6.622	VV	16529	371128	18.73%	0.476%
57	6.653	6.622	6.669	VV	28053	508844	25.67%	0.652%
58	6.675	6.669	6.696	VV	20937	257857	13.01%	0.330%
59	6.727	6.696	6.739	VV	16859	345789	17.45%	0.443%
60	6.750	6.739	6.782	VV	14856	278387	14.05%	0.357%
61	6.820	6.782	6.837	VV	25252	507417	25.60%	0.650%
62	6.856	6.837	6.869	VV	19141	306789	15.48%	0.393%
63	6.884	6.869	6.903	VV	22548	344381	17.38%	0.441%
64	6.933	6.903	6.952	VV	29491	573580	28.94%	0.735%
65	6.962	6.952	6.970	VV	13653	133948	6.76%	0.172%
66	6.988	6.970	7.002	VV	23792	352159	17.77%	0.451%
67	7.018	7.002	7.037	VV	37154	479257	24.18%	0.614%
68	7.059	7.037	7.083	VV	25371	446541	22.53%	0.572%
69	7.096	7.083	7.108	VV	15865	193605	9.77%	0.248%
70	7.139	7.108	7.158	VV	28255	540439	27.27%	0.693%
71	7.183	7.158	7.197	VV	14668	287066	14.48%	0.368%
72	7.204	7.197	7.213	VV	12752	123888	6.25%	0.159%
73	7.228	7.213	7.238	VV	14287	199779	10.08%	0.256%
74	7.267	7.238	7.287	VV	29186	638247	32.20%	0.818%
75	7.306	7.287	7.342	VV	41094	829579	41.86%	1.063%
76	7.362	7.342	7.367	VV	26230	309702	15.63%	0.397%
77	7.375	7.367	7.406	VV	28015	510600	25.76%	0.654%
78	7.421	7.406	7.434	VV	18621	243681	12.30%	0.312%
79	7.456	7.434	7.500	VV	63419	1331614	67.19%	1.707%
80	7.519	7.500	7.539	VV	33649	534610	26.97%	0.685%
81	7.556	7.539	7.570	VV	17809	289971	14.63%	0.372%
82	7.580	7.570	7.596	VV	15668	208787	10.53%	0.268%
83	7.611	7.596	7.627	VV	13717	236224	11.92%	0.303%
84	7.660	7.627	7.708	VV	33223	1057088	53.34%	1.355%
85	7.735	7.708	7.749	VV	30504	595717	30.06%	0.763%
86	7.763	7.749	7.797	VV	26854	582634	29.40%	0.747%
87	7.821	7.797	7.835	VV	15413	326707	16.48%	0.419%
88	7.858	7.835	7.888	VV	39107	791034	39.91%	1.014%
89	7.907	7.888	7.928	VV	33024	532168	26.85%	0.682%

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Manual IntegrationsAPPROVED

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rteres

90	7.996	7.928	8.062	VV	75161	1950630	98.42%	2.500%
91	8.071	8.062	8.080	VV	14690	152920	7	
92	8.093	8.080	8.104	VV	16667	218636	11	
93	8.116	8.104	8.134	VV	19402	302379	15	
94	8.153	8.134	8.171	VV	22480	404958	20	
95	8.185	8.171	8.192	VV	19373	242669	12	
96	8.203	8.192	8.223	VV	19686	329361	16.62%	0.422%
97	8.251	8.223	8.261	VV	22148	459163	23.17%	0.588%
98	8.279	8.261	8.302	VV	29355	605533	30.55%	0.776%
99	8.315	8.302	8.329	VV	29039	381053	19.23%	0.488%
100	8.339	8.329	8.345	VV	21236	194744	9.83%	0.250%
101	8.380	8.345	8.418	VV	86301	1981898	100.00%	2.540%
102	8.435	8.418	8.454	VV	17682	355451	17.93%	0.456%
103	8.484	8.454	8.500	VV	125898	1654213	83.47%	2.120%
104	8.513	8.500	8.534	VV	86898	1105594	55.78%	1.417%
105	8.548	8.534	8.567	VV	28797	476799	24.06%	0.611%
106	8.600	8.567	8.619	VV	26906	658643	33.23%	0.844%
107	8.653	8.619	8.698	VV	51583	1497553	75.56%	1.919%
108	8.720	8.698	8.742	VV	33200	589542	29.75%	0.756%
109	8.762	8.742	8.773	VV	36265	505368	25.50%	0.648%
110	8.779	8.773	8.797	VV	29722	358201	18.07%	0.459%
111	8.809	8.797	8.825	VV	21316	314673	15.88%	0.403%
112	8.848	8.825	8.856	VV	19187	329849	16.64%	0.423%
113	8.872	8.856	8.903	VV	36927	656080	33.10%	0.841%
114	8.923	8.903	8.946	VV	18432	417194	21.05%	0.535%
115	8.978	8.946	9.000	VV	20673	569433	28.73%	0.730%
116	9.023	9.000	9.055	VV	25487	632608	31.92%	0.811%
117	9.101	9.055	9.120	VV	30713	897478	45.28%	1.150%
118	9.132	9.120	9.148	VV	23121	322409	16.27%	0.413%
119	9.163	9.148	9.175	VV	18853	275875	13.92%	0.354%
120	9.181	9.175	9.188	VV	17917	139067	7.02%	0.178%
121	9.211	9.188	9.231	VV	54708	872946	44.05%	1.119%
122	9.246	9.231	9.266	VV	28453	459213	23.17%	0.589%
123	9.284	9.266	9.303	VV	23805	432859	21.84%	0.555%
124	9.335	9.303	9.348	VV	27413	571946	28.86%	0.733%
125	9.355	9.348	9.364	VV	23075	217446	10.97%	0.279%
126	9.380	9.364	9.398	VV	50954	670275	33.82%	0.859%
127	9.421	9.398	9.494	VV	56888	1328854	67.05%	1.703%
128	9.538	9.494	9.555	VV	48514	881209	44.46%	1.129%
129	9.569	9.555	9.604	VV	37819	628139	31.69%	0.805%
130	9.617	9.604	9.630	VV	13129	190620	9.62%	0.244%
131	9.674	9.630	9.705	VV	46528	1096397	55.32%	1.405%
132	9.720	9.705	9.737	VV	15081	260104	13.12%	0.333%
133	9.759	9.737	9.770	VV	20171	324965	16.40%	0.416%
134	9.782	9.770	9.807	VV	21854	364738	18.40%	0.467%
135	9.838	9.807	9.866	VV	45476	818650	41.31%	1.049%
136	9.878	9.866	9.892	VV	14356	210033	10.60%	0.269%
137	9.911	9.892	9.926	VV	20237	331623	16.73%	0.425%
138	9.940	9.926	9.950	VV	22257	288595	14.56%	0.370%
139	9.964	9.950	9.987	VV	27149	453444	22.88%	0.581%
140	10.002	9.987	10.025	VV	15794	319724	16.13%	0.410%
141	10.043	10.025	10.061	VV	15129	285500	14.41%	0.366%

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rteres

142	10.085	10.061	10.105	VV	21428	458854	23.15%	0.588%
143	10.116	10.105	10.124	VV	17642	191987	9	
144	10.132	10.124	10.150	VV	18080	249371	12	
145	10.182	10.150	10.227	VV	22102	757370	38	
146	10.247	10.227	10.259	VV	13263	232285	11	
147	10.278	10.259	10.314	VV	16360	418769	21	
148	10.343	10.314	10.392	VV	21173	618550	31.21%	0.793%
149	10.401	10.392	10.425	VV	8561	158524	8.00%	0.203%
150	10.448	10.425	10.462	VV	10937	210298	10.61%	0.270%
151	10.467	10.462	10.480	VV	9374	98592	4.97%	0.126%
152	10.504	10.480	10.529	VV	23445	417518	21.07%	0.535%
153	10.556	10.529	10.581	VV	19468	425466	21.47%	0.545%
154	10.610	10.581	10.624	VV	23979	418004	21.09%	0.536%
155	10.638	10.624	10.664	VV	24659	428886	21.64%	0.550%
156	10.683	10.664	10.729	VV	27455	607958	30.68%	0.779%
157	10.758	10.729	10.769	VV	21657	376171	18.98%	0.482%
158	10.776	10.769	10.798	VV	20111	289938	14.63%	0.372%
159	10.820	10.798	10.847	VV	19529	443989	22.40%	0.569%
160	10.857	10.847	10.871	VV	13607	183092	9.24%	0.235%
161	10.893	10.871	10.911	VV	15341	327222	16.51%	0.419%
162	10.929	10.911	10.948	VV	19675	320003	16.15%	0.410%
163	10.978	10.948	11.007	VV	31047	665175	33.56%	0.852%
164	11.039	11.007	11.055	VV	12040	321239	16.21%	0.412%
165	11.064	11.055	11.083	VV	11092	166958	8.42%	0.214%
166	11.121	11.083	11.144	VV	12162	383293	19.34%	0.491%
167	11.167	11.144	11.221	VV	21494	600157	30.28%	0.769%
168	11.250	11.221	11.282	VV	11785	353104	17.82%	0.453%
169	11.301	11.282	11.325	VV	9567	213658	10.78%	0.274%
170	11.347	11.325	11.361	VV	9459	184470	9.31%	0.236%
171	11.382	11.361	11.400	VV	9967	209211	10.56%	0.268%
172	11.439	11.400	11.452	VV	9437	269220	13.58%	0.345%
173	11.474	11.452	11.496	VV	15196	301990	15.24%	0.387%
174	11.523	11.496	11.545	VV	12572	323241	16.31%	0.414%
175	11.562	11.545	11.622	VV	13020	494989	24.98%	0.634%
176	11.647	11.622	11.674	VV	13281	354170	17.87%	0.454%
177	11.697	11.674	11.729	VV	17333	409894	20.68%	0.525%
178	11.759	11.729	11.781	VV	11282	282858	14.27%	0.363%
179	11.823	11.781	11.845	VV	14125	375497	18.95%	0.481%
180	11.857	11.845	11.889	VV	9580	223340	11.27%	0.286%
181	11.932	11.889	11.955	VV	47526	753971	38.04%	0.966%
182	11.971	11.955	11.987	VV	15235	240915	12.16%	0.309%
183	12.002	11.987	12.037	VV	16275	321098	16.20%	0.412%
184	12.083	12.037	12.097	VV	8590	278030	14.03%	0.356%
185	12.119	12.097	12.136	VV	13839	248274	12.53%	0.318%
186	12.153	12.136	12.199	VV	12891	347188	17.52%	0.445%
187	12.220	12.199	12.236	VV	7454	152954	7.72%	0.196%
188	12.264	12.236	12.291	VV	10220	270312	13.64%	0.346%
189	12.309	12.291	12.329	VV	8985	176174	8.89%	0.226%
190	12.341	12.329	12.360	VV	7175	128823	6.50%	0.165%
191	12.374	12.360	12.398	VV	7281	152952	7.72%	0.196%
192	12.409	12.398	12.441	VV	6755	160496	8.10%	0.206%
193	12.471	12.441	12.488	VV	7680	187632	9.47%	0.240%
194	12.509	12.488	12.517	VV	8396	133136	6.72%	0.171%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

02/10/2025

Supervised By :Ankita Jadhani

02/10/2025

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rteres

195	12.530	12.517	12.564	VV	9009	198788	10.03%	0.255%
196	12.585	12.564	12.607	VV	6698	155212	7	
197	12.623	12.607	12.633	VV	6108	92164	4	
198	12.652	12.633	12.685	VV	7159	195626	9	
199	12.717	12.685	12.742	VV	7507	212909	10	
200	12.764	12.742	12.822	VV	10149	338043	17	
201	12.871	12.822	12.893	VV	14526	361914	18.26%	0.464%
202	12.907	12.893	12.925	VV	9073	155209	7.83%	0.199%
203	12.936	12.925	12.969	VV	7807	161862	8.17%	0.207%
204	12.990	12.969	13.072	VV	6995	314688	15.88%	0.403%
205	13.112	13.072	13.145	VV	5214	186307	9.40%	0.239%
206	13.158	13.145	13.163	VV	3620	38530	1.94%	0.049%
207	13.183	13.163	13.200	VV	4320	87001	4.39%	0.111%
208	13.207	13.200	13.220	VV	4002	46907	2.37%	0.060%
209	13.234	13.220	13.262	VV	4321	98464	4.97%	0.126%
210	13.289	13.262	13.335	VV	5653	186414	9.41%	0.239%
211	13.371	13.335	13.407	VV	9105	230579	11.63%	0.296%
212	13.425	13.407	13.450	VV	4780	114497	5.78%	0.147%
213	13.462	13.450	13.524	VV	4281	154731	7.81%	0.198%
214	13.569	13.524	13.599	VV	5432	179771	9.07%	0.230%
215	13.621	13.599	13.665	VV	6425	162302	8.19%	0.208%
216	13.684	13.665	13.698	VV	4221	67541	3.41%	0.087%
217	13.714	13.698	13.742	VV	4213	90932	4.59%	0.117%
218	13.765	13.742	13.780	VV	3771	70790	3.57%	0.091%
219	13.793	13.780	13.828	VV	3184	81640	4.12%	0.105%
220	13.839	13.828	13.857	VV	2722	44784	2.26%	0.057%
221	13.878	13.857	13.904	VV	2892	73021	3.68%	0.094%
222	13.918	13.904	13.942	VV	2565	52020	2.62%	0.067%
223	13.947	13.942	13.960	VV	1894	19994	1.01%	0.026%
224	13.991	13.960	14.016	VV	2438	70266	3.55%	0.090%
225	14.035	14.016	14.054	VV	2921	58610	2.96%	0.075%
226	14.068	14.054	14.124	VV	2676	88131	4.45%	0.113%
227	14.156	14.124	14.185	VV	2875	81753	4.12%	0.105%
228	14.201	14.185	14.220	VV	2283	41559	2.10%	0.053%
229	14.238	14.220	14.312	VV	1771	79989	4.04%	0.103%
230	14.353	14.312	14.406	VV	1681	73516	3.71%	0.094%
231	14.438	14.406	14.459	VV	1415	36467	1.84%	0.047%
232	14.497	14.459	14.532	VV	1957	54665	2.76%	0.070%
233	14.557	14.532	14.567	VV	1125	21691	1.09%	0.028%
234	14.588	14.567	14.666	VV	1387	64884	3.27%	0.083%
235	14.704	14.666	14.711	VV	1213	26264	1.33%	0.034%
236	14.716	14.711	14.775	VV	1210	38492	1.94%	0.049%
237	14.825	14.775	14.845	VV	1527	48150	2.43%	0.062%
238	14.865	14.845	14.883	VV	1280	24255	1.22%	0.031%
239	14.898	14.883	14.930	VV	1034	22048	1.11%	0.028%
240	14.941	14.930	14.945	VV	716	5565	0.28%	0.007%
241	14.949	14.945	14.964	VV	696	6884	0.35%	0.009%
242	14.980	14.964	15.010	VV	988	20938	1.06%	0.027%
243	15.026	15.010	15.065	VV	784	19246	0.97%	0.025%
244	15.070	15.065	15.075	VV	473	2780	0.14%	0.004%
245	15.082	15.075	15.102	VV	462	6187	0.31%	0.008%
246	15.115	15.102	15.154	VV	525	12305	0.62%	0.016%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

02/10/2025

Supervised By :Ankita Jadhani

02/10/2025

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-8DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

02/10/2025

Supervised By :Ankita Jobhani

25/10/2025

rteres

247	15.160	15.154	15.201	VV	519	10999	0.55%	0.014%
248	15.229	15.201	15.234	VV	723	11305		
249	15.237	15.234	15.290	VV	696	17241		
250	15.321	15.290	15.340	VV	732	15580		
251	15.369	15.340	15.379	VV	692	13231		
252	15.384	15.379	15.406	VV	601	9395		
253	15.411	15.406	15.419	VV	573	3944	0.20%	0.005%
254	15.420	15.419	15.447	VV	534	6533	0.33%	0.008%
255	15.478	15.447	15.524	VV	591	17792	0.90%	0.023%
256	15.537	15.524	15.547	VV	270	2883	0.15%	0.004%
257	15.559	15.554	15.564	VV	264	1131	0.06%	0.001%
258	15.568	15.564	15.577	VV	218	1535	0.08%	0.002%
259	15.588	15.577	15.593	VV	348	2756	0.14%	0.004%
260	15.615	15.593	15.635	VV	688	13625	0.69%	0.017%
261	15.644	15.635	15.685	VV	681	14638	0.74%	0.019%
262	15.691	15.685	15.724	VV	419	5012	0.25%	0.006%
263	15.769	15.724	15.797	VV	624	12420	0.63%	0.016%
264	15.804	15.797	15.835	VV	286	3636	0.18%	0.005%
265	15.857	15.835	15.922	VV	518	15596	0.79%	0.020%
266	15.931	15.922	15.945	VV	171	1803	0.09%	0.002%
267	15.961	15.945	15.985	VV	260	4724	0.24%	0.006%
268	15.999	15.985	16.015	VV	350	5455	0.28%	0.007%
269	16.020	16.015	16.052	VV	368	6161	0.31%	0.008%
270	16.075	16.052	16.102	VV	361	7415	0.37%	0.010%
271	16.115	16.102	16.135	VV	183	2750	0.14%	0.004%
272	16.142	16.135	16.154	VV	193	1485	0.07%	0.002%
273	16.177	16.154	16.200	VV	297	6387	0.32%	0.008%
274	16.213	16.200	16.230	VV	325	4125	0.21%	0.005%
275	16.252	16.230	16.270	VV	367	5714	0.29%	0.007%
276	16.281	16.270	16.291	VV	293	2772	0.14%	0.004%
277	16.294	16.291	16.312	VV	235	2213	0.11%	0.003%
278	16.317	16.312	16.331	VV	218	1851	0.09%	0.002%
279	16.354	16.340	16.377	VV	231	3911	0.20%	0.005%
280	16.389	16.377	16.408	VV	195	2350	0.12%	0.003%
281	16.460	16.408	16.490	PV	450	10999	0.55%	0.014%
282	16.502	16.490	16.521	VV	232	2856	0.14%	0.004%
283	16.557	16.521	16.586	VV	406	10059	0.51%	0.013%
284	16.597	16.586	16.602	VV	252	1508	0.08%	0.002%
285	16.612	16.602	16.629	VV	262	3168	0.16%	0.004%
286	16.655	16.629	16.686	VV	397	8287	0.42%	0.011%
287	16.702	16.697	16.712	VV	203	1393	0.07%	0.002%
288	16.735	16.712	16.770	VV	456	10494	0.53%	0.013%
289	16.776	16.770	16.798	VV	390	4441	0.22%	0.006%
290	16.811	16.804	16.820	VV	219	1811	0.09%	0.002%
291	16.827	16.820	16.848	VV	175	2460	0.12%	0.003%
292	16.869	16.848	16.889	VV	273	4654	0.23%	0.006%
293	16.912	16.889	16.955	VV	390	11674	0.59%	0.015%
294	16.965	16.955	16.970	VV	260	1926	0.10%	0.002%
295	16.976	16.970	16.993	VV	178	1576	0.08%	0.002%
296	17.021	16.993	17.052	PV	285	6564	0.33%	0.008%
297	17.080	17.052	17.123	VV	467	11862	0.60%	0.015%
298	17.168	17.134	17.175	VV	368	6488	0.33%	0.008%
299	17.204	17.175	17.231	VV	743	15324	0.77%	0.020%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-8DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

02/10/2025
Supervised By : Ankita Jadhani

rteres

300	17.251	17.231	17.280	VV	583	9589	0.48%	0.012%
301	17.299	17.280	17.312	VV	204	2547		
302	17.322	17.312	17.345	VV	131	1854		
303	17.359	17.345	17.367	VV	151	1108		
304	17.390	17.367	17.425	VV	199	3445		
305	17.445	17.425	17.467	VV	275	3889		
306	17.475	17.467	17.500	VV	222	3023	0.15%	0.004%
307	17.515	17.500	17.540	VV	288	4774	0.24%	0.006%
308	17.546	17.540	17.567	VV	220	3289	0.17%	0.004%
309	17.574	17.567	17.583	VV	219	1983	0.10%	0.003%
310	17.625	17.583	17.633	VV	471	9934	0.50%	0.013%
311	17.654	17.633	17.715	VV	898	20517	1.04%	0.026%
312	17.749	17.715	17.764	VV	452	8391	0.42%	0.011%
313	17.767	17.764	17.777	VV	289	2111	0.11%	0.003%
314	17.789	17.777	17.805	VV	221	2948	0.15%	0.004%
315	17.835	17.805	17.859	VV	422	7505	0.38%	0.010%
316	17.867	17.859	17.900	VV	217	3034	0.15%	0.004%
317	17.910	17.900	17.918	VV	135	1154	0.06%	0.001%
318	17.936	17.929	17.947	VV	141	1021	0.05%	0.001%
319	17.981	17.965	17.993	VV	144	1528	0.08%	0.002%
320	18.024	18.005	18.039	PV	160	1628	0.08%	0.002%
321	18.092	18.059	18.121	PV	1173	19818	1.00%	0.025%
322	18.179	18.121	18.196	VV	272	7864	0.40%	0.010%
323	18.242	18.196	18.252	VV	425	9344	0.47%	0.012%
324	18.261	18.252	18.310	VV	434	9681	0.49%	0.012%
325	18.366	18.310	18.399	PV	539	13094	0.66%	0.017%
326	18.406	18.399	18.425	VV	153	1913	0.10%	0.002%
327	18.455	18.425	18.490	VV	270	7517	0.38%	0.010%
328	18.516	18.490	18.560	VV	1184	21118	1.07%	0.027%
329	18.575	18.560	18.587	VV	195	2609	0.13%	0.003%
330	18.608	18.587	18.650	VV	281	5705	0.29%	0.007%
331	18.683	18.650	18.709	VV	172	3357	0.17%	0.004%
332	18.782	18.732	18.794	PV	304	5924	0.30%	0.008%

Sum of corrected areas: 78028893

Aromatic EPH 020525.M Mon Feb 10 01:53:13 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-9	SDG No.:	Q1308
Lab Sample ID:	Q1308-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
02/06/25 14:20	02/07/25 23:27	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	702		100	42.0	110	mg/kg	FE052305.D
Aliphatic C12-C16	Aliphatic C12-C16	1260		100	26.5	73.7	mg/kg	FE052305.D
Aliphatic C16-C21	Aliphatic C16-C21	445		100	33.2	110	mg/kg	FE052305.D
Aliphatic C21-C28	Aliphatic C21-C28	83.8		5	4.42	7.37	mg/kg	FE052304.D
Aliphatic C28-C40	Aliphatic C28-C40	47.3		5	9.95	11.1	mg/kg	FE052304.D
Aromatic C10-C12	Aromatic C10-C12	182		25	8.29	18.4	mg/kg	FF015505.D
Aromatic C12-C16	Aromatic C12-C16	548		25	9.40	27.6	mg/kg	FF015505.D
Aromatic C16-C21	Aromatic C16-C21	660		25	26.5	46.1	mg/kg	FF015505.D
Aromatic C21-C36	Aromatic C21-C36	63.2		5	11.1	14.7	mg/kg	FF015504.D
Total AliphaticEPH	Total AliphaticEPH	2540			116	312	mg/kg	
Total AromaticEPH	Total AromaticEPH	1450			55.3	107	mg/kg	
Total EPH	Total EPH	3990			171	419	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-9	SDG No.:	Q1308
Lab Sample ID:	Q1308-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
FE052289.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	595	E	0.42	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1180	E	0.27	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	411	E	0.33	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	86.7	E	0.89	1.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	45.1	E	1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.3		40 - 140	80%	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:	Q1308-08	Acq On:	07 Feb 2025 13:57
Client Sample ID:	EX-11-TPH-9	Operator:	YP\AJ
Data file:	FE052289.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	777492568	8080	300	ug/ml
Aliphatic C12-C16	7.236	10.639	1669143311	15900	200	ug/ml
Aliphatic C16-C21	10.640	13.984	630579755	5580	300	ug/ml
Aliphatic C21-C28	13.985	17.628	134025001	1180	400	ug/ml
Aliphatic C28-C40	17.629	22.712	56019819	611.88	600	ug/ml
Aliphatic EPH	3.679	22.712	3267260454	31400		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.728	13.728	3972766	40.25		ug/ml
Aliphatic C9-C28	3.679	17.628	3211240635	30800	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052289.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 13:57
Operator : YP\AJ
Sample : Q1308-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:24:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-9

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.728	3972766	40.255 ug/mlm
Spiked Amount 50.000		Recovery = 80.51%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052289.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 13:57
Operator : YP\AJ
Sample : Q1308-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

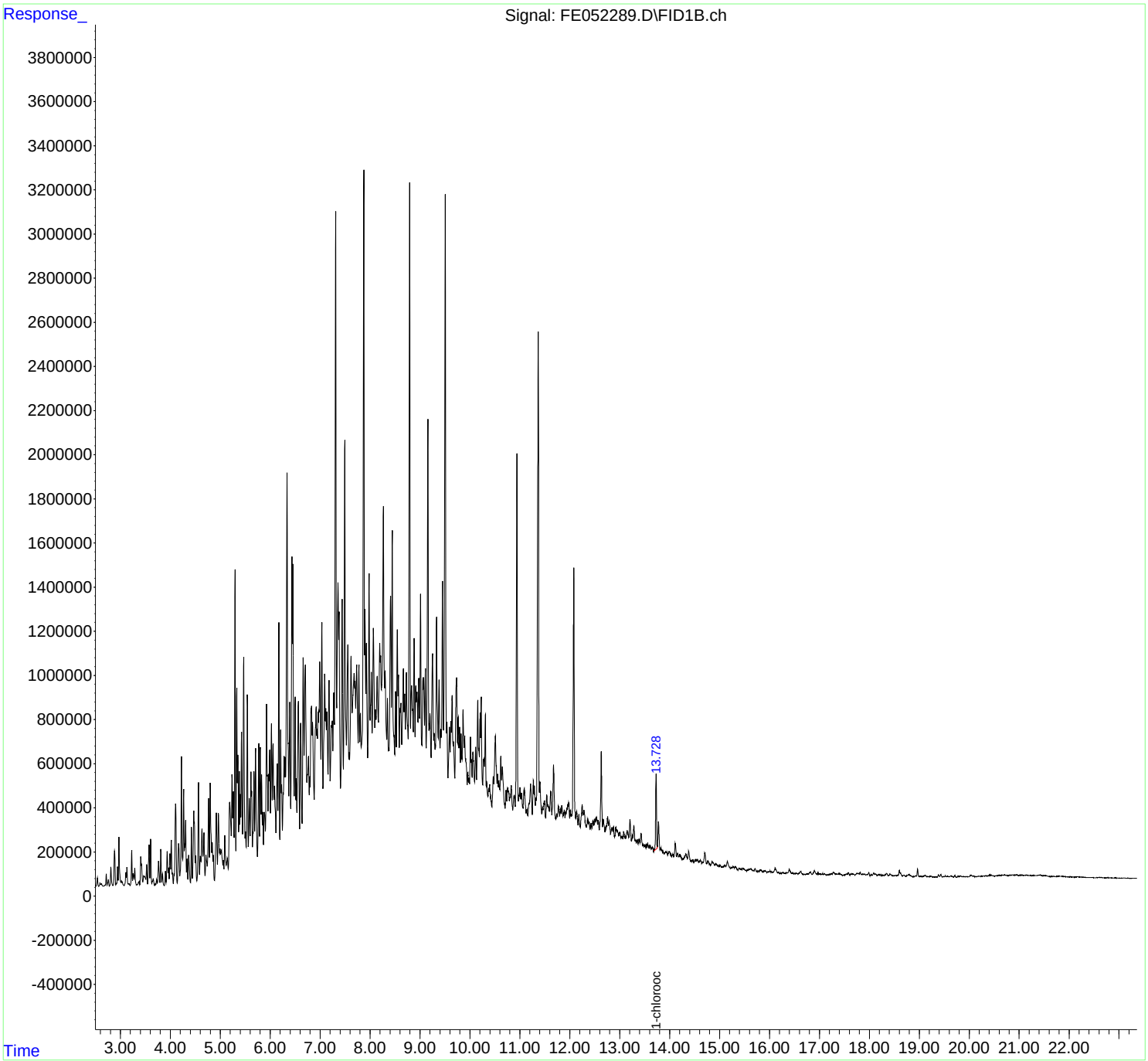
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9

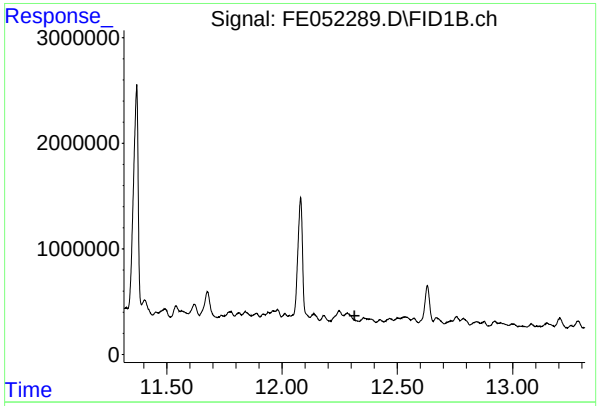
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:24:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





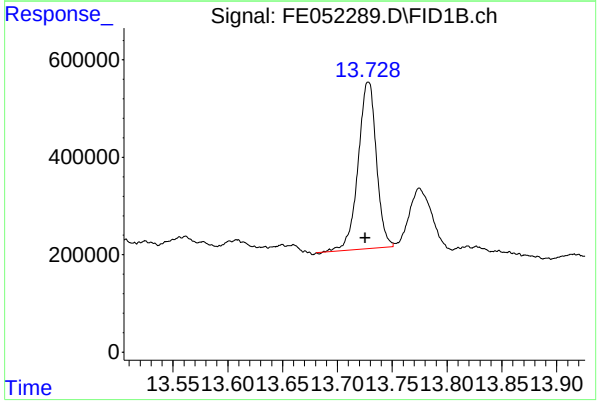
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.728 min
Delta R.T.: 0.002 min
Response: 3972766
Conc: 40.25 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052289.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 13:57
Sample : Q1308-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.226	3.204	3.242	PH	121443	725209	1.00%	0.022%
2	3.256	3.242	3.272	PV	22878	188295	0.26%	0.006%
3	3.288	3.272	3.337	VV	59304	451728	0.62%	0.014%
4	3.375	3.337	3.388	PV	16996	227006	0.31%	0.007%
5	3.408	3.388	3.448	VV	128539	2243750	3.10%	0.068%
6	3.468	3.448	3.507	VV	42020	1173255	1.62%	0.036%
7	3.526	3.507	3.544	VV	94203	1061814	1.47%	0.032%
8	3.574	3.544	3.590	VV	183751	2532550	3.50%	0.077%
9	3.606	3.590	3.628	VV	210398	2311086	3.19%	0.070%
10	3.658	3.628	3.685	VV	31151	575267	0.79%	0.017%
11	3.725	3.685	3.740	PV	28354	392818	0.54%	0.012%
12	3.764	3.740	3.791	VV	111656	1685264	2.33%	0.051%
13	3.809	3.791	3.828	VV	165131	1766822	2.44%	0.054%
14	3.843	3.828	3.878	VV	53866	669274	0.92%	0.020%
15	3.902	3.878	3.917	PV	66259	656415	0.91%	0.020%
16	3.937	3.917	3.956	VV	154876	2093372	2.89%	0.064%
17	3.964	3.956	3.977	VV	81914	811889	1.12%	0.025%
18	3.993	3.977	4.004	VV	142925	1485244	2.05%	0.045%
19	4.019	4.004	4.059	VV	206450	3113864	4.30%	0.095%
20	4.106	4.059	4.138	VV	370861	6686452	9.24%	0.203%
21	4.166	4.138	4.191	VV	191278	3385680	4.68%	0.103%
22	4.223	4.191	4.247	VV	584864	7548551	10.43%	0.230%
23	4.267	4.247	4.281	VV	436120	5047406	6.97%	0.153%
24	4.306	4.281	4.324	VV	296812	4702496	6.50%	0.143%
25	4.335	4.324	4.350	VV	121526	1275792	1.76%	0.039%
26	4.368	4.350	4.403	VV	137750	2287785	3.16%	0.070%
27	4.423	4.403	4.441	VV	262860	2660014	3.67%	0.081%
28	4.470	4.441	4.499	VV	333938	6867553	9.49%	0.209%
29	4.507	4.499	4.531	VV	136123	1559912	2.16%	0.047%
30	4.564	4.531	4.585	VV	467796	5982507	8.27%	0.182%
31	4.602	4.585	4.612	VV	133050	1703147	2.35%	0.052%
32	4.634	4.612	4.654	VV	256059	4532665	6.26%	0.138%
33	4.673	4.654	4.696	VV	240143	3688128	5.10%	0.112%
34	4.715	4.696	4.740	VV	137114	2630813	3.63%	0.080%
35	4.768	4.740	4.783	VV	396200	5762579	7.96%	0.175%
36	4.799	4.783	4.829	VV	462536	7621492	10.53%	0.232%

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37	4.840	4.829	4.884	VV	196902	3792157	5.24%	0.115%
38	4.921	4.884	4.943	VV	328873	6088657	8	
39	4.964	4.943	4.986	VV	324742	5494867	7	
40	4.997	4.986	5.008	VV	166509	2056020	2	
41	5.024	5.008	5.052	VV	157132	3536778	4	
42	5.061	5.052	5.073	VV	113846	1234388	1	
43	5.091	5.073	5.121	VV	226606	3889494	5.37%	0.118%
44	5.142	5.121	5.160	VV	123882	2435436	3.36%	0.074%
45	5.188	5.160	5.220	VV	375093	9491876	13.11%	0.289%
46	5.237	5.220	5.250	VV	500086	6694486	9.25%	0.204%
47	5.261	5.250	5.276	VV	424608	5394720	7.45%	0.164%
48	5.296	5.276	5.313	VV	1441562	15438696	21.33%	0.469%
49	5.330	5.313	5.344	VV	890450	10729000	14.82%	0.326%
50	5.353	5.344	5.369	VV	592348	7094900	9.80%	0.216%
51	5.382	5.369	5.394	VV	515996	5635774	7.79%	0.171%
52	5.425	5.394	5.447	VV	692685	13204655	18.24%	0.402%
53	5.469	5.447	5.517	VV	1032686	18739540	25.89%	0.570%
54	5.543	5.517	5.562	VV	864678	11866599	16.39%	0.361%
55	5.582	5.562	5.598	VV	394533	6271471	8.66%	0.191%
56	5.615	5.598	5.646	VV	512731	10295076	14.22%	0.313%
57	5.676	5.646	5.690	VV	511493	8273393	11.43%	0.252%
58	5.707	5.690	5.744	VV	620154	11308175	15.62%	0.344%
59	5.771	5.744	5.786	VV	642969	8941391	12.35%	0.272%
60	5.801	5.786	5.816	VV	623846	8192728	11.32%	0.249%
61	5.828	5.816	5.865	VV	500933	10032571	13.86%	0.305%
62	5.883	5.865	5.904	VV	327069	6685915	9.24%	0.203%
63	5.928	5.904	5.958	VV	817460	16370023	22.62%	0.498%
64	5.990	5.958	6.005	VV	616457	13568355	18.75%	0.413%
65	6.025	6.005	6.041	VV	731694	11393608	15.74%	0.346%
66	6.058	6.041	6.075	VV	639446	10383569	14.35%	0.316%
67	6.085	6.075	6.115	VV	448715	8731289	12.06%	0.265%
68	6.142	6.115	6.155	VV	550097	10096777	13.95%	0.307%
69	6.174	6.155	6.193	VV	1190018	14565965	20.12%	0.443%
70	6.210	6.193	6.245	VV	703480	13890033	19.19%	0.422%
71	6.280	6.245	6.290	VV	577398	11713872	16.18%	0.356%
72	6.301	6.290	6.310	VV	577230	6382951	8.82%	0.194%
73	6.338	6.310	6.372	VV	1866262	35926699	49.64%	1.092%
74	6.394	6.372	6.411	VV	832626	13757165	19.01%	0.418%
75	6.436	6.411	6.446	VV	1480440	19585667	27.06%	0.596%
76	6.455	6.446	6.482	VV	1447277	19275721	26.63%	0.586%
77	6.500	6.482	6.535	VV	851505	16745305	23.13%	0.509%
78	6.564	6.535	6.591	VV	830288	18597840	25.69%	0.565%
79	6.610	6.591	6.639	VV	725399	14090037	19.47%	0.428%
80	6.661	6.639	6.680	VV	1026796	17205874	23.77%	0.523%
81	6.703	6.680	6.734	VV	997902	24599290	33.99%	0.748%
82	6.766	6.734	6.782	VV	580800	14501990	20.04%	0.441%
83	6.828	6.782	6.881	VV	807829	36180203	49.99%	1.100%
84	6.920	6.881	6.933	VV	806721	20032706	27.68%	0.609%
85	6.939	6.933	6.947	VV	703817	5713137	7.89%	0.174%
86	6.959	6.947	6.965	VV	779902	8323672	11.50%	0.253%
87	6.993	6.965	7.016	VV	1010301	24658439	34.07%	0.750%
88	7.035	7.016	7.058	VV	1181701	20158868	27.85%	0.613%
89	7.092	7.058	7.106	VV	952804	20591381	28.45%	0.626%

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90	7.114	7.106	7.125	VV	800047	8741957	12.08%	0.266%
91	7.136	7.125	7.158	VV	779384	13617790	18	
92	7.179	7.158	7.202	VV	926109	18655688	25	
93	7.242	7.202	7.256	VV	737188	20903161	28	
94	7.273	7.256	7.285	VV	870948	13719763	18	
95	7.312	7.285	7.332	VV	3038624	47030273	64	
96	7.360	7.332	7.372	VV	1371924	27224848	37.61%	0.828%
97	7.379	7.372	7.410	VV	1228312	19175552	26.49%	0.583%
98	7.442	7.410	7.465	VV	1292605	27149675	37.51%	0.826%
99	7.494	7.465	7.527	VV	2017388	38498072	53.19%	1.171%
100	7.556	7.527	7.591	VV	1077683	29716720	41.06%	0.904%
101	7.620	7.591	7.643	VV	1022338	25340347	35.01%	0.771%
102	7.681	7.643	7.713	VV	955418	37239073	51.45%	1.132%
103	7.733	7.713	7.762	VV	992998	24650152	34.06%	0.750%
104	7.778	7.762	7.794	VV	993025	15807728	21.84%	0.481%
105	7.806	7.794	7.825	VV	777460	12594976	17.40%	0.383%
106	7.876	7.825	7.915	VV	3185930	72381541	100.00%	2.201%
107	7.927	7.915	7.954	VV	1092721	19644766	27.14%	0.597%
108	7.981	7.954	8.001	VV	1406094	26900870	37.17%	0.818%
109	8.026	8.001	8.043	VV	947511	20815109	28.76%	0.633%
110	8.068	8.043	8.096	VV	1158160	29053872	40.14%	0.883%
111	8.111	8.096	8.121	VV	790431	11252532	15.55%	0.342%
112	8.142	8.121	8.166	VV	940500	22668353	31.32%	0.689%
113	8.196	8.166	8.228	VV	1092614	34999968	48.35%	1.064%
114	8.267	8.228	8.292	VV	1714537	44292439	61.19%	1.347%
115	8.303	8.292	8.334	VV	968896	21012046	29.03%	0.639%
116	8.350	8.334	8.380	VV	839439	19197294	26.52%	0.584%
117	8.412	8.380	8.429	VV	1301689	28469729	39.33%	0.866%
118	8.446	8.429	8.493	VV	1600094	34981786	48.33%	1.064%
119	8.513	8.493	8.528	VV	873438	15022387	20.75%	0.457%
120	8.547	8.528	8.562	VV	1146028	18993954	26.24%	0.578%
121	8.570	8.562	8.587	VV	949685	12357395	17.07%	0.376%
122	8.617	8.587	8.636	VV	821343	21744748	30.04%	0.661%
123	8.668	8.636	8.683	VV	976188	22602014	31.23%	0.687%
124	8.694	8.683	8.709	VV	858801	12738279	17.60%	0.387%
125	8.728	8.709	8.764	VV	958772	25702213	35.51%	0.782%
126	8.794	8.764	8.813	VV	3194455	48227480	66.63%	1.466%
127	8.833	8.813	8.866	VV	893049	25493500	35.22%	0.775%
128	8.885	8.866	8.903	VV	1113581	19874548	27.46%	0.604%
129	8.918	8.903	8.929	VV	892969	12800882	17.69%	0.389%
130	8.941	8.929	8.958	VV	869414	14194274	19.61%	0.432%
131	8.974	8.958	8.990	VV	930251	16102317	22.25%	0.490%
132	9.013	8.990	9.037	VV	1312479	25693483	35.50%	0.781%
133	9.076	9.037	9.093	VV	936875	27658902	38.21%	0.841%
134	9.108	9.093	9.125	VV	969101	15725246	21.73%	0.478%
135	9.160	9.125	9.181	VV	2108988	38932365	53.79%	1.184%
136	9.202	9.181	9.224	VV	772445	17720764	24.48%	0.539%
137	9.252	9.224	9.303	VV	1042428	36323895	50.18%	1.104%
138	9.333	9.303	9.364	VV	1206753	30181984	41.70%	0.918%
139	9.384	9.364	9.403	VV	921540	17975261	24.83%	0.547%
140	9.417	9.403	9.427	VV	697308	9382081	12.96%	0.285%
141	9.452	9.427	9.472	VV	1360445	25397707	35.09%	0.772%

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142	9.508	9.472	9.562	VV	3142892	66765706	92.24%	2.030%
143	9.592	9.562	9.605	VV	707780	15733390	21	
144	9.622	9.605	9.630	VV	734194	10092685	13	
145	9.644	9.630	9.698	VV	854632	26613678	36	
146	9.733	9.698	9.753	VV	932122	24889370	34	
147	9.767	9.753	9.782	VV	754705	11940643	16	
148	9.795	9.782	9.811	VV	708844	11624796	16.06%	0.353%
149	9.824	9.811	9.843	VV	677494	11703797	16.17%	0.356%
150	9.864	9.843	9.885	VV	788505	16938884	23.40%	0.515%
151	9.897	9.885	9.947	VV	669737	20912426	28.89%	0.636%
152	9.959	9.947	9.973	VV	503233	7674106	10.60%	0.233%
153	9.984	9.973	9.994	VV	478240	5939949	8.21%	0.181%
154	10.013	9.994	10.045	VV	661691	16818330	23.24%	0.511%
155	10.061	10.045	10.094	VV	592016	15905923	21.98%	0.484%
156	10.117	10.094	10.134	VV	616757	12834887	17.73%	0.390%
157	10.159	10.134	10.188	VV	834026	20757452	28.68%	0.631%
158	10.205	10.188	10.215	VV	772401	11118350	15.36%	0.338%
159	10.227	10.215	10.256	VV	845302	15810896	21.84%	0.481%
160	10.283	10.256	10.294	VV	562872	12162975	16.80%	0.370%
161	10.310	10.294	10.364	VV	769544	21474531	29.67%	0.653%
162	10.395	10.364	10.441	VV	445233	18541499	25.62%	0.564%
163	10.469	10.441	10.481	VV	480793	10110608	13.97%	0.307%
164	10.510	10.481	10.544	VV	668761	21043607	29.07%	0.640%
165	10.554	10.544	10.569	VV	493851	6994138	9.66%	0.213%
166	10.581	10.569	10.601	VV	465970	8578910	11.85%	0.261%
167	10.620	10.601	10.636	VV	572799	10595451	14.64%	0.322%
168	10.651	10.636	10.706	VV	529139	18221687	25.17%	0.554%
169	10.725	10.706	10.739	VV	420851	7671261	10.60%	0.233%
170	10.755	10.739	10.794	VV	431106	13368775	18.47%	0.406%
171	10.829	10.794	10.859	VV	442856	15296645	21.13%	0.465%
172	10.889	10.859	10.908	VV	397588	10868673	15.02%	0.330%
173	10.944	10.908	10.971	VV	1950632	34152948	47.18%	1.038%
174	11.003	10.971	11.018	VV	433529	11329715	15.65%	0.344%
175	11.032	11.018	11.061	VV	404073	9696119	13.40%	0.295%
176	11.086	11.061	11.124	VV	424421	14183746	19.60%	0.431%
177	11.140	11.124	11.158	VV	329991	6635737	9.17%	0.202%
178	11.217	11.158	11.249	VV	448076	20337411	28.10%	0.618%
179	11.270	11.249	11.282	VV	466349	7920141	10.94%	0.241%
180	11.291	11.282	11.309	VV	436883	6373563	8.81%	0.194%
181	11.369	11.309	11.391	VV	2444124	48100768	66.45%	1.463%
182	11.404	11.391	11.439	VV	457818	11258683	15.55%	0.342%
183	11.491	11.439	11.516	VV	371657	15703089	21.69%	0.477%
184	11.540	11.516	11.594	VV	399638	16400646	22.66%	0.499%
185	11.620	11.594	11.642	VV	414575	10361622	14.32%	0.315%
186	11.676	11.642	11.720	VV	534678	17911718	24.75%	0.545%
187	11.738	11.720	11.748	VV	310405	5057380	6.99%	0.154%
188	11.775	11.748	11.795	VV	345017	9055873	12.51%	0.275%
189	11.813	11.795	11.825	VV	334812	5963429	8.24%	0.181%
190	11.841	11.825	11.868	VV	349878	8312520	11.48%	0.253%
191	11.889	11.868	11.905	VV	330160	6939036	9.59%	0.211%
192	11.919	11.905	11.926	VV	322268	4091395	5.65%	0.124%
193	11.981	11.926	11.998	VV	363848	14645405	20.23%	0.445%
194	12.012	11.998	12.037	VV	327014	7219383	9.97%	0.220%

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195	12.080	12.037	12.121	VV	1433818	30526020	42.17%	0.928%
196	12.137	12.121	12.164	VV	321999	7763124	10	
197	12.181	12.164	12.208	VV	308149	7370654	10	
198	12.248	12.208	12.268	VV	353164	11107107	15	
199	12.283	12.268	12.334	VV	328471	11577451	16	
200	12.355	12.334	12.408	VV	287169	11985214	16	
201	12.425	12.408	12.442	VV	268929	5237831	7.24%	0.159%
202	12.467	12.442	12.484	VV	279556	6725657	9.29%	0.205%
203	12.502	12.484	12.510	VV	284693	4377478	6.05%	0.133%
204	12.534	12.510	12.559	VV	296035	8317841	11.49%	0.253%
205	12.572	12.559	12.591	VV	282532	5111325	7.06%	0.155%
206	12.630	12.591	12.656	VV	591100	14299009	19.76%	0.435%
207	12.669	12.656	12.704	VV	287572	7600021	10.50%	0.231%
208	12.757	12.704	12.773	VV	298755	10845336	14.98%	0.330%
209	12.786	12.773	12.816	VV	277867	6483222	8.96%	0.197%
210	12.845	12.816	12.861	VV	248853	6505677	8.99%	0.198%
211	12.876	12.861	12.896	VV	250778	4842494	6.69%	0.147%
212	12.923	12.896	12.941	VV	252682	6321850	8.73%	0.192%
213	12.948	12.941	12.983	VV	237969	5756027	7.95%	0.175%
214	12.998	12.983	13.024	VV	226863	5374440	7.43%	0.163%
215	13.038	13.024	13.061	VV	206354	4465003	6.17%	0.136%
216	13.081	13.061	13.098	VV	226457	4700516	6.49%	0.143%
217	13.107	13.098	13.122	VV	207994	2974736	4.11%	0.090%
218	13.149	13.122	13.180	VV	236120	7604542	10.51%	0.231%
219	13.205	13.180	13.234	VV	283630	7627056	10.54%	0.232%
220	13.253	13.234	13.264	VV	211737	3640650	5.03%	0.111%
221	13.284	13.264	13.331	VV	255281	8418126	11.63%	0.256%
222	13.351	13.331	13.367	VV	194434	4005315	5.53%	0.122%
223	13.385	13.367	13.406	VV	196062	4369482	6.04%	0.133%
224	13.425	13.406	13.461	VV	221588	6492211	8.97%	0.197%
225	13.471	13.461	13.486	VV	172262	2515169	3.47%	0.076%
226	13.503	13.486	13.518	VV	168843	3120088	4.31%	0.095%
227	13.524	13.518	13.537	VV	165992	1863793	2.57%	0.057%
228	13.560	13.537	13.590	VV	176263	5264248	7.27%	0.160%
229	13.608	13.590	13.637	VV	168248	4490210	6.20%	0.137%
230	13.651	13.637	13.684	VV	156997	4269588	5.90%	0.130%
231	13.728	13.684	13.753	VV	493840	10024772	13.85%	0.305%
232	13.775	13.753	13.806	VV	273882	6528828	9.02%	0.199%
233	13.819	13.806	13.894	VV	154241	7537393	10.41%	0.229%
234	13.916	13.894	13.928	VV	137979	2757834	3.81%	0.084%
235	13.938	13.928	13.962	VV	136735	2729821	3.77%	0.083%
236	13.993	13.962	14.040	VV	138732	6095707	8.42%	0.185%
237	14.056	14.040	14.084	VV	125351	3204330	4.43%	0.097%
238	14.112	14.084	14.138	VV	174633	4659143	6.44%	0.142%
239	14.159	14.138	14.181	VV	130766	3152608	4.36%	0.096%
240	14.203	14.181	14.246	VV	124456	4514479	6.24%	0.137%
241	14.255	14.246	14.268	VV	107247	1407758	1.94%	0.043%
242	14.324	14.268	14.356	VV	124929	6026781	8.33%	0.183%
243	14.379	14.356	14.424	VV	140163	4725215	6.53%	0.144%
244	14.438	14.424	14.447	VV	96558	1314732	1.82%	0.040%
245	14.462	14.447	14.488	VV	101013	2314380	3.20%	0.070%
246	14.512	14.488	14.524	VV	101570	2076832	2.87%	0.063%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	14.556	14.524	14.580	VV	101596	3254598	4.50%	0.099%
248	14.615	14.580	14.641	VV	97842	3417784		
249	14.656	14.641	14.670	VV	89391	1484879		
250	14.704	14.670	14.741	VV	127417	4443763		
251	14.770	14.741	14.818	VV	93879	3933152		
252	14.848	14.818	14.896	VV	92806	3969290		
253	14.920	14.896	14.991	VV	82317	4301706	5.94%	0.131%
254	15.011	14.991	15.071	VV	76453	3349871	4.63%	0.102%
255	15.102	15.071	15.123	VV	75101	2236377	3.09%	0.068%
256	15.155	15.123	15.218	VV	92241	4254728	5.88%	0.129%
257	15.272	15.218	15.294	VV	68999	2964915	4.10%	0.090%
258	15.315	15.294	15.366	VV	69922	2699328	3.73%	0.082%
259	15.389	15.366	15.398	VV	60225	1091972	1.51%	0.033%
260	15.405	15.398	15.444	VV	59882	1569144	2.17%	0.048%
261	15.471	15.444	15.548	VV	60110	3415166	4.72%	0.104%
262	15.628	15.548	15.664	VV	59564	3784972	5.23%	0.115%
263	15.708	15.664	15.747	VV	58324	2521208	3.48%	0.077%
264	15.778	15.747	15.792	VV	47800	1263853	1.75%	0.038%
265	15.818	15.792	15.871	VV	52808	2316780	3.20%	0.070%
266	15.904	15.871	15.951	VV	49465	2190499	3.03%	0.067%
267	16.010	15.951	16.051	VV	46992	2629583	3.63%	0.080%
268	16.112	16.051	16.214	VV	59470	4370893	6.04%	0.133%
269	16.232	16.214	16.244	VV	37765	672957	0.93%	0.020%
270	16.262	16.244	16.298	VV	40713	1258244	1.74%	0.038%
271	16.338	16.298	16.368	VV	40482	1580886	2.18%	0.048%
272	16.394	16.368	16.452	VV	53402	2219136	3.07%	0.067%
273	16.469	16.452	16.491	VV	37520	837909	1.16%	0.025%
274	16.501	16.491	16.511	VV	36064	422900	0.58%	0.013%
275	16.551	16.511	16.562	VV	36135	1076205	1.49%	0.033%
276	16.624	16.562	16.678	VV	44062	2547097	3.52%	0.077%
277	16.689	16.678	16.728	VV	31953	943404	1.30%	0.029%
278	16.758	16.728	16.777	VV	34646	968091	1.34%	0.029%
279	16.818	16.777	16.852	VV	41960	1630744	2.25%	0.050%
280	16.900	16.852	16.937	VV	47147	1967717	2.72%	0.060%
281	16.969	16.937	16.990	VV	37000	1081379	1.49%	0.033%
282	17.014	16.990	17.038	VV	33723	907957	1.25%	0.028%
283	17.060	17.038	17.078	VV	32757	757741	1.05%	0.023%
284	17.098	17.078	17.141	VV	33382	1149582	1.59%	0.035%
285	17.239	17.141	17.254	VV	33836	2047707	2.83%	0.062%
286	17.287	17.254	17.318	VV	39103	1350031	1.87%	0.041%
287	17.329	17.318	17.352	VV	32764	664916	0.92%	0.020%
288	17.401	17.352	17.478	VV	33163	2257172	3.12%	0.069%
289	17.580	17.478	17.605	VV	37035	2310363	3.19%	0.070%
290	17.619	17.605	17.629	VV	29941	416437	0.58%	0.013%
291	17.652	17.629	17.711	VV	32581	1470283	2.03%	0.045%
292	17.752	17.711	17.791	VV	35189	1536954	2.12%	0.047%
293	17.816	17.791	17.848	VV	37728	1117143	1.54%	0.034%
294	17.870	17.848	17.888	VV	30677	691763	0.96%	0.021%
295	17.899	17.888	17.930	VV	30271	725544	1.00%	0.022%
296	17.950	17.930	17.964	VV	29272	578502	0.80%	0.018%
297	17.987	17.964	18.011	VV	38326	869226	1.20%	0.026%
298	18.040	18.011	18.058	VV	28961	738261	1.02%	0.022%
299	18.088	18.058	18.115	VV	32992	1023653	1.41%	0.031%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	18.125	18.115	18.158	VV	31024	723444	1.00%	0.022%
301	18.183	18.158	18.194	VV	26363	553904		
302	18.215	18.194	18.231	VV	27465	567904		
303	18.243	18.231	18.258	VV	25990	393714		
304	18.277	18.258	18.288	VV	25225	447333		
305	18.345	18.288	18.380	VV	33280	1487010		
306	18.415	18.380	18.478	VV	29492	1473274	2.04%	0.045%
307	18.496	18.478	18.509	VV	23372	410600	0.57%	0.012%
308	18.528	18.509	18.548	VV	23920	540149	0.75%	0.016%
309	18.567	18.548	18.577	VV	24031	406304	0.56%	0.012%
310	18.600	18.577	18.661	VV	47543	1584139	2.19%	0.048%
311	18.697	18.661	18.734	VV	24811	958766	1.32%	0.029%
312	18.796	18.734	18.868	VV	27754	1785685	2.47%	0.054%
313	18.878	18.868	18.895	VV	17856	287022	0.40%	0.009%
314	18.930	18.895	18.941	VV	21163	542150	0.75%	0.016%
315	18.965	18.941	19.014	VV	51554	1203208	1.66%	0.037%
316	19.033	19.014	19.064	VV	18678	529062	0.73%	0.016%
317	19.116	19.064	19.165	VV	23690	1161228	1.60%	0.035%
318	19.184	19.165	19.198	VV	17492	334302	0.46%	0.010%
319	19.208	19.198	19.218	VV	17856	211346	0.29%	0.006%
320	19.239	19.218	19.351	VV	19043	1304163	1.80%	0.040%
321	19.384	19.351	19.405	VV	25606	626783	0.87%	0.019%
322	19.431	19.405	19.465	VV	26488	715024	0.99%	0.022%
323	19.520	19.465	19.544	VV	19165	798323	1.10%	0.024%
324	19.565	19.544	19.588	VV	18806	447596	0.62%	0.014%
325	19.598	19.588	19.605	VV	16762	170335	0.24%	0.005%
326	19.635	19.605	19.684	VV	20743	822426	1.14%	0.025%
327	19.712	19.684	19.747	VV	20655	609424	0.84%	0.019%
328	19.778	19.747	19.795	VV	18123	450770	0.62%	0.014%
329	19.826	19.795	19.861	VV	19016	682808	0.94%	0.021%
330	19.869	19.861	19.901	VV	15815	364580	0.50%	0.011%
331	19.924	19.901	19.945	VV	16155	409999	0.57%	0.012%
332	19.959	19.945	19.984	VV	15803	362464	0.50%	0.011%
333	20.043	19.984	20.073	VV	21727	991164	1.37%	0.030%
334	20.089	20.073	20.134	VV	18590	603395	0.83%	0.018%
335	20.183	20.134	20.231	VV	17487	946668	1.31%	0.029%
336	20.247	20.231	20.271	VV	17668	411498	0.57%	0.013%
337	20.329	20.271	20.365	VV	19948	1043586	1.44%	0.032%
338	20.409	20.365	20.466	VV	22327	1225677	1.69%	0.037%
339	20.477	20.466	20.501	VV	19691	386454	0.53%	0.012%
340	20.536	20.501	20.550	VV	18731	524852	0.73%	0.016%
341	20.589	20.550	20.627	VV	21028	927702	1.28%	0.028%
342	20.670	20.627	20.683	VV	21849	703815	0.97%	0.021%
343	20.704	20.683	20.771	VV	22199	1097400	1.52%	0.033%
344	20.806	20.771	20.814	VV	20769	504074	0.70%	0.015%
345	20.839	20.814	20.847	VV	21150	414858	0.57%	0.013%
346	20.867	20.847	20.888	VV	22871	528578	0.73%	0.016%
347	20.899	20.888	20.917	VV	21190	369079	0.51%	0.011%
348	20.940	20.917	20.987	VV	22520	884810	1.22%	0.027%
349	21.020	20.987	21.033	VV	21135	548066	0.76%	0.017%
350	21.055	21.033	21.091	VV	20870	711551	0.98%	0.022%
351	21.131	21.091	21.202	VV	20474	1310271	1.81%	0.040%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

352	21.216	21.202	21.258	VV	19267	631681	0.87%	0.019%
353	21.300	21.258	21.348	VV	19498	1012250	1	
354	21.416	21.348	21.473	VV	21065	1447034	2	
355	21.484	21.473	21.511	VV	17824	398026	0	
356	21.518	21.511	21.611	VV	17736	944631	1	
357	21.661	21.611	21.676	VV	14747	548482	0	
358	21.687	21.676	21.725	VV	14571	403997	0.56%	0.012%
359	21.803	21.725	21.826	VV	15119	868759	1.20%	0.026%
360	21.833	21.826	21.876	VV	14378	419203	0.58%	0.013%
361	21.881	21.876	21.992	VV	13664	860553	1.19%	0.026%
362	22.001	21.992	22.009	VV	11140	113281	0.16%	0.003%
363	22.019	22.009	22.045	VV	11452	237103	0.33%	0.007%
364	22.052	22.045	22.059	VV	11042	94255	0.13%	0.003%
365	22.063	22.059	22.122	VV	10919	390876	0.54%	0.012%
366	22.177	22.122	22.284	VV	11623	1020183	1.41%	0.031%
367	22.297	22.284	22.351	VBA	9600	379439	0.52%	0.012%

Sum of corrected areas: 3288775190

Aliphatic EPH 020325.M Sat Feb 08 03:59:23 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-9DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-08DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
FE052304.D	5	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		595	E	2.10	5.53	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1200	E	1.33	3.69	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		412	E	1.66	5.53	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		83.8		4.42	7.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		47.3		9.95	11.1	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		9.01		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:	Q1308-08DL	Acq On:	07 Feb 2025 22:57
Client Sample ID:	EX-11-TPH-9DL	Operator:	YP\AJ
Data file:	FE052304.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	155396184	1620	300	ug/ml
Aliphatic C12-C16	7.236	10.639	339562146	3240	200	ug/ml
Aliphatic C16-C21	10.640	13.984	126418532	1120	300	ug/ml
Aliphatic C21-C28	13.985	17.628	25920866	227.378	400	ug/ml
Aliphatic C28-C40	17.629	22.712	11737052	128.199	600	ug/ml
Aliphatic EPH	3.679	22.712	659034780	6330		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.715	13.715	889344	9.01		ug/ml
Aliphatic C9-C28	3.679	17.628	647297728	6200	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052304.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 22:57
Operator : YP\AJ
Sample : Q1308-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:28:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-9DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.715	889344	9.011 ug/mlm
Spiked Amount 50.000		Recovery = 18.02%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052304.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 22:57
Operator : YP\AJ
Sample : Q1308-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

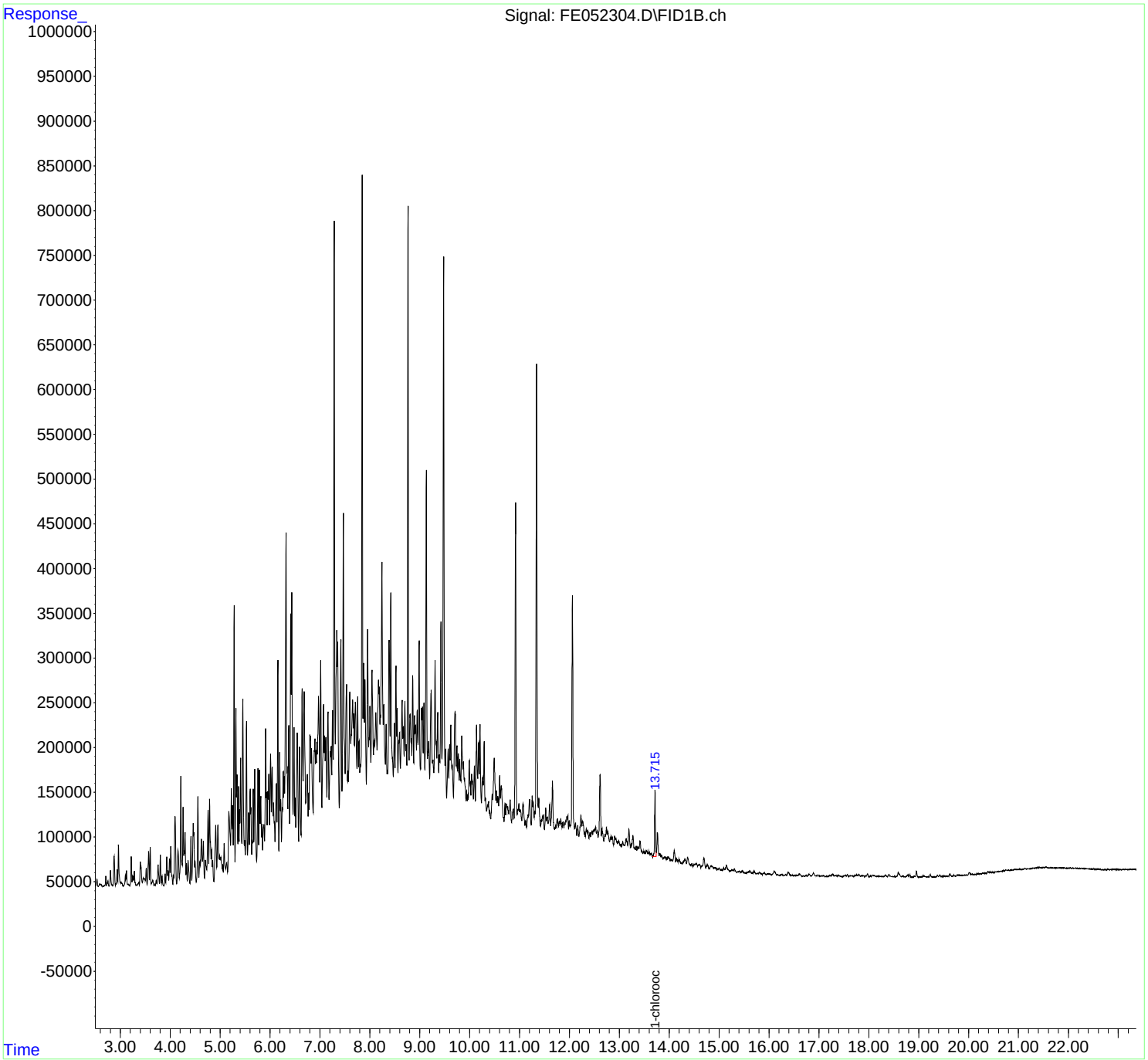
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9DL

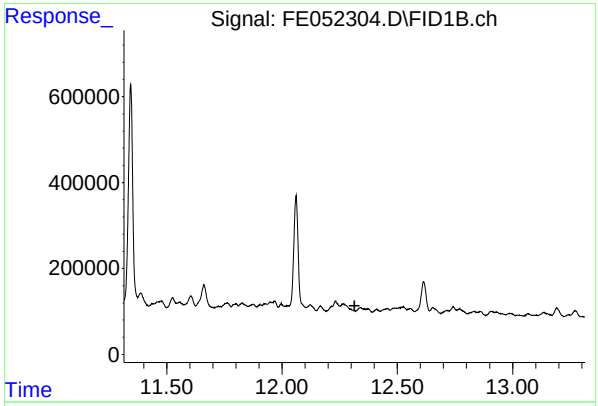
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:28:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





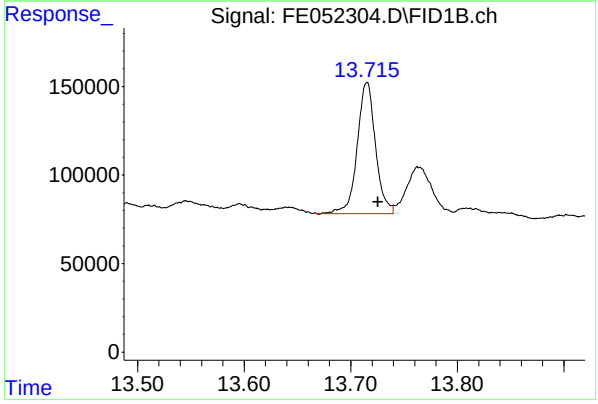
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.715 min
Delta R.T.: -0.010 min
Response: 889344
Conc: 9.01 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052304.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 22:57
Sample : Q1308-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.204	3.236	PH	28518	231728	2.00%	0.035%
2	3.250	3.236	3.266	PV	6894	76256	0.66%	0.012%
3	3.281	3.266	3.329	VV	12342	45529	0.39%	0.007%
4	3.368	3.329	3.381	PV	-221	-68493	-0.59%	-0.010%
5	3.402	3.381	3.441	PV	22643	323880	2.79%	0.049%
6	3.461	3.441	3.500	PV	4607	102621	0.88%	0.015%
7	3.519	3.500	3.537	VV	15526	131110	1.13%	0.020%
8	3.567	3.537	3.583	PV	34440	408238	3.52%	0.062%
9	3.599	3.583	3.621	VV	38879	379568	3.27%	0.057%
10	3.651	3.621	3.678	PV	2265	-25849	-0.22%	-0.004%
11	3.694	3.678	3.703	PV	-2164	-47397	-0.41%	-0.007%
12	3.718	3.703	3.733	PV	1728	-13382	-0.12%	-0.002%
13	3.757	3.733	3.784	PV	19110	214342	1.85%	0.032%
14	3.802	3.784	3.821	PV	30182	263584	2.27%	0.040%
15	3.836	3.821	3.871	PV	6752	7349	0.06%	0.001%
16	3.896	3.871	3.910	PV	9130	31960	0.28%	0.005%
17	3.930	3.910	3.948	PV	28006	329619	2.84%	0.050%
18	3.957	3.948	3.970	VV	12637	109207	0.94%	0.016%
19	3.986	3.970	3.997	VV	25871	236516	2.04%	0.036%
20	4.012	3.997	4.051	VV	39714	492393	4.24%	0.074%
21	4.097	4.051	4.130	PV	73497	1166375	10.04%	0.176%
22	4.157	4.130	4.182	PV	35458	555511	4.78%	0.084%
23	4.213	4.182	4.240	VV	117242	1429503	12.31%	0.216%
24	4.258	4.240	4.283	VV	83494	1115430	9.61%	0.168%
25	4.297	4.283	4.315	VV	55639	659321	5.68%	0.099%
26	4.326	4.315	4.342	VV	20632	192628	1.66%	0.029%
27	4.359	4.342	4.394	VV	24149	333231	2.87%	0.050%
28	4.415	4.394	4.433	PV	50876	446361	3.84%	0.067%
29	4.461	4.433	4.522	VV	65295	1499742	12.91%	0.226%
30	4.555	4.522	4.576	PV	95400	1087406	9.36%	0.164%
31	4.593	4.576	4.603	VV	22862	282278	2.43%	0.043%
32	4.625	4.603	4.646	VV	48296	828217	7.13%	0.125%
33	4.664	4.646	4.687	VV	45792	643039	5.54%	0.097%
34	4.706	4.687	4.731	VV	24784	430785	3.71%	0.065%
35	4.758	4.731	4.773	VV	79945	1073898	9.25%	0.162%
36	4.790	4.773	4.819	VV	92263	1437879	12.38%	0.217%

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37	4.830	4.819	4.875	VV	36477	646366	5.57%	0.098%
38	4.912	4.875	4.934	VV	63331	1101759	9	
39	4.955	4.934	4.977	VV	63706	1027764	8	
40	4.988	4.977	5.000	VV	29810	370460	3	
41	5.015	5.000	5.064	VV	27908	807283	6	
42	5.081	5.064	5.111	VV	42962	675011	5	
43	5.132	5.111	5.151	VV	21478	411998	3.55%	0.062%
44	5.177	5.151	5.210	VV	77773	1819544	15.67%	0.275%
45	5.226	5.210	5.238	VV	104791	1259001	10.84%	0.190%
46	5.249	5.238	5.263	VV	86116	1028964	8.86%	0.155%
47	5.281	5.263	5.299	VV	308572	3085929	26.57%	0.466%
48	5.317	5.299	5.355	VV	193094	3513591	30.26%	0.530%
49	5.368	5.355	5.381	VV	107011	1117202	9.62%	0.169%
50	5.391	5.381	5.397	VV	80775	680896	5.86%	0.103%
51	5.411	5.397	5.434	VV	138498	1916506	16.50%	0.289%
52	5.455	5.434	5.505	VV	204281	3673502	31.63%	0.554%
53	5.529	5.505	5.549	VV	179693	2299558	19.80%	0.347%
54	5.571	5.549	5.586	VV	77498	1203880	10.37%	0.182%
55	5.602	5.586	5.613	VV	103674	1227066	10.57%	0.185%
56	5.617	5.613	5.634	VV	84369	773570	6.66%	0.117%
57	5.663	5.634	5.677	VV	104043	1577797	13.59%	0.238%
58	5.694	5.677	5.732	VV	126192	2202949	18.97%	0.332%
59	5.759	5.732	5.773	VV	126423	1743825	15.02%	0.263%
60	5.788	5.773	5.803	VV	125377	1603298	13.81%	0.242%
61	5.815	5.803	5.852	VV	95415	1933550	16.65%	0.292%
62	5.876	5.852	5.891	VV	64626	1293721	11.14%	0.195%
63	5.914	5.891	5.943	VV	171210	3216088	27.69%	0.485%
64	5.976	5.943	5.991	VV	120222	2660708	22.91%	0.401%
65	6.012	5.991	6.027	VV	142914	2283136	19.66%	0.345%
66	6.043	6.027	6.061	VV	129379	2066487	17.79%	0.312%
67	6.071	6.061	6.101	VV	88849	1677573	14.45%	0.253%
68	6.127	6.101	6.140	VV	110332	1949701	16.79%	0.294%
69	6.158	6.140	6.178	VV	247505	2912655	25.08%	0.440%
70	6.195	6.178	6.231	VV	144857	2748961	23.67%	0.415%
71	6.265	6.231	6.275	VV	123608	2328910	20.05%	0.351%
72	6.285	6.275	6.294	VV	117716	1202150	10.35%	0.181%
73	6.321	6.294	6.356	VV	390176	7250735	62.44%	1.094%
74	6.375	6.356	6.394	VV	173094	2698817	23.24%	0.407%
75	6.416	6.394	6.426	VV	298759	3686224	31.74%	0.556%
76	6.437	6.426	6.463	VV	323930	4121430	35.49%	0.622%
77	6.482	6.463	6.517	VV	172506	3360013	28.93%	0.507%
78	6.547	6.517	6.574	VV	166471	3723798	32.07%	0.562%
79	6.593	6.574	6.622	VV	149635	2778599	23.93%	0.419%
80	6.643	6.622	6.663	VV	213195	3427109	29.51%	0.517%
81	6.686	6.663	6.718	VV	210339	4977903	42.87%	0.751%
82	6.747	6.718	6.765	VV	120032	2840462	24.46%	0.429%
83	6.775	6.765	6.783	VV	99216	1008556	8.68%	0.152%
84	6.810	6.783	6.864	VV	163660	6229911	53.65%	0.940%
85	6.900	6.864	6.913	VV	159874	3762808	32.40%	0.568%
86	6.973	6.913	6.997	VV	206538	7997886	68.87%	1.207%
87	7.016	6.997	7.040	VV	248391	4037409	34.77%	0.609%
88	7.073	7.040	7.086	VV	196753	4017316	34.59%	0.606%
89	7.095	7.086	7.107	VV	162904	1934960	16.66%	0.292%

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90	7.120	7.107	7.141	VV	161576	2771956	23.87%	0.418%
91	7.162	7.141	7.184	VV	189889	3651595	31	
92	7.225	7.184	7.238	VV	151101	4271543	36	
93	7.254	7.238	7.266	VV	191870	2757242	23	
94	7.287	7.266	7.310	VV	739752	9317767	80	
95	7.340	7.310	7.389	VV	280896	9583352	82	
96	7.420	7.389	7.444	VV	270409	5515612	47.50%	0.832%
97	7.471	7.444	7.507	VV	411682	7874083	67.80%	1.188%
98	7.534	7.507	7.571	VV	219301	6034686	51.97%	0.911%
99	7.599	7.571	7.620	VV	212300	4866001	41.90%	0.734%
100	7.657	7.620	7.691	VV	203745	7576077	65.24%	1.143%
101	7.712	7.691	7.741	VV	200688	5122237	44.11%	0.773%
102	7.758	7.741	7.774	VV	206201	3159524	27.21%	0.477%
103	7.786	7.774	7.802	VV	157327	2386645	20.55%	0.360%
104	7.848	7.802	7.864	VV	788948	11172903	96.21%	1.686%
105	7.877	7.864	7.893	VV	242994	3784466	32.59%	0.571%
106	7.905	7.893	7.931	VV	225847	3937776	33.91%	0.594%
107	7.957	7.931	7.978	VV	281128	5368780	46.23%	0.810%
108	8.003	7.978	8.022	VV	196062	4358422	37.53%	0.658%
109	8.045	8.022	8.074	VV	236897	5835674	50.25%	0.881%
110	8.089	8.074	8.100	VV	157958	2307560	19.87%	0.348%
111	8.122	8.100	8.146	VV	188920	4659593	40.12%	0.703%
112	8.175	8.146	8.204	VV	225721	6899132	59.41%	1.041%
113	8.244	8.204	8.269	VV	358015	9185363	79.10%	1.386%
114	8.282	8.269	8.312	VV	198499	4251242	36.61%	0.641%
115	8.328	8.312	8.360	VV	176641	4062968	34.99%	0.613%
116	8.387	8.360	8.407	VV	270110	5608784	48.30%	0.846%
117	8.422	8.407	8.471	VV	322522	7180222	61.83%	1.083%
118	8.493	8.471	8.506	VV	178008	3095311	26.65%	0.467%
119	8.525	8.506	8.565	VV	240853	6360457	54.77%	0.960%
120	8.596	8.565	8.615	VV	168543	4385737	37.77%	0.662%
121	8.647	8.615	8.663	VV	202915	4813491	41.45%	0.726%
122	8.674	8.663	8.688	VV	173772	2397336	20.64%	0.362%
123	8.704	8.688	8.743	VV	200958	5302586	45.66%	0.800%
124	8.767	8.743	8.789	VV	756630	9675493	83.32%	1.460%
125	8.808	8.789	8.843	VV	186672	5328292	45.88%	0.804%
126	8.861	8.843	8.880	VV	230472	4040446	34.79%	0.610%
127	8.895	8.880	8.907	VV	185653	2657748	22.89%	0.401%
128	8.918	8.907	8.936	VV	175172	2913375	25.09%	0.440%
129	8.951	8.936	8.967	VV	191699	3195232	27.51%	0.482%
130	8.990	8.967	9.014	VV	270427	5333646	45.93%	0.805%
131	9.054	9.014	9.071	VV	196055	5669315	48.82%	0.855%
132	9.086	9.071	9.104	VV	198512	3313380	28.53%	0.500%
133	9.133	9.104	9.158	VV	459161	7774988	66.95%	1.173%
134	9.179	9.158	9.201	VV	156826	3722099	32.05%	0.562%
135	9.229	9.201	9.284	VV	212986	7613607	65.56%	1.149%
136	9.309	9.284	9.344	VV	246615	6041843	52.03%	0.912%
137	9.362	9.344	9.382	VV	188126	3587368	30.89%	0.541%
138	9.395	9.382	9.404	VV	142101	1819459	15.67%	0.275%
139	9.427	9.404	9.447	VV	290821	5038486	43.39%	0.760%
140	9.480	9.447	9.509	VV	698337	11612852	100.00%	1.752%
141	9.520	9.509	9.541	VV	148886	2437808	20.99%	0.368%

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142	9.570	9.541	9.584	VV	147549	3142179	27.06%	0.474%
143	9.600	9.584	9.610	VV	152271	2156263	18	
144	9.624	9.610	9.677	VV	175687	5399317	46	
145	9.711	9.677	9.733	VV	190675	5080033	43	
146	9.748	9.733	9.762	VV	152574	2495178	21	
147	9.776	9.762	9.792	VV	143177	2349565	20	
148	9.804	9.792	9.828	VV	137252	2631105	22.66%	0.397%
149	9.845	9.828	9.867	VV	162748	3306563	28.47%	0.499%
150	9.877	9.867	9.928	VV	133873	4188299	36.07%	0.632%
151	9.940	9.928	9.953	VV	101913	1460602	12.58%	0.220%
152	9.964	9.953	9.973	VV	97532	1146211	9.87%	0.173%
153	9.995	9.973	10.027	VV	135785	3613431	31.12%	0.545%
154	10.042	10.027	10.076	VV	120719	3233624	27.85%	0.488%
155	10.098	10.076	10.116	VV	129021	2582793	22.24%	0.390%
156	10.140	10.116	10.164	VV	173428	3879732	33.41%	0.585%
157	10.182	10.164	10.195	VV	155798	2517357	21.68%	0.380%
158	10.210	10.195	10.239	VV	175968	3365747	28.98%	0.508%
159	10.258	10.239	10.276	VV	116116	2427568	20.90%	0.366%
160	10.294	10.276	10.343	VV	157067	4250517	36.60%	0.641%
161	10.378	10.343	10.423	VV	89796	3901038	33.59%	0.589%
162	10.453	10.423	10.465	VV	96615	2121489	18.27%	0.320%
163	10.494	10.465	10.527	VV	138375	4267913	36.75%	0.644%
164	10.538	10.527	10.553	VV	102125	1476557	12.71%	0.223%
165	10.567	10.553	10.583	VV	95689	1655320	14.25%	0.250%
166	10.604	10.583	10.619	VV	118774	2157773	18.58%	0.326%
167	10.635	10.619	10.690	VV	107520	3819506	32.89%	0.576%
168	10.710	10.690	10.724	VV	87854	1609291	13.86%	0.243%
169	10.743	10.724	10.779	VV	87178	2709825	23.33%	0.409%
170	10.814	10.779	10.842	VV	91845	2982213	25.68%	0.450%
171	10.875	10.842	10.891	VV	81202	2249147	19.37%	0.339%
172	10.923	10.891	10.954	VV	423539	7052913	60.73%	1.064%
173	10.988	10.954	11.002	VV	87409	2366301	20.38%	0.357%
174	11.012	11.002	11.046	VV	80324	2011225	17.32%	0.303%
175	11.071	11.046	11.106	VV	86824	2761417	23.78%	0.417%
176	11.123	11.106	11.141	VV	68490	1365319	11.76%	0.206%
177	11.202	11.141	11.235	VV	92194	4240393	36.51%	0.640%
178	11.255	11.235	11.294	VV	96078	2904227	25.01%	0.438%
179	11.344	11.294	11.375	VV	577218	10002717	86.13%	1.509%
180	11.387	11.375	11.422	VV	93394	2256595	19.43%	0.341%
181	11.477	11.422	11.500	VV	75025	3204175	27.59%	0.483%
182	11.525	11.500	11.543	VV	82386	1864454	16.06%	0.281%
183	11.555	11.543	11.575	VV	72421	1317492	11.35%	0.199%
184	11.605	11.575	11.626	VV	86471	2250620	19.38%	0.340%
185	11.661	11.626	11.705	VV	112895	3695612	31.82%	0.558%
186	11.725	11.705	11.738	VV	62871	1207857	10.40%	0.182%
187	11.762	11.738	11.780	VV	70291	1686271	14.52%	0.254%
188	11.800	11.780	11.811	VV	68469	1228417	10.58%	0.185%
189	11.827	11.811	11.853	VV	70240	1637765	14.10%	0.247%
190	11.874	11.853	11.890	VV	67121	1442906	12.43%	0.218%
191	11.949	11.890	11.956	VV	72610	2665191	22.95%	0.402%
192	11.967	11.956	11.984	VV	74422	1154336	9.94%	0.174%
193	11.997	11.984	12.016	VV	67324	1247530	10.74%	0.188%
194	12.061	12.016	12.104	VV	319122	6545021	56.36%	0.988%

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195	12.122	12.104	12.148	VV	66022	1598351	13.76%	0.241%
196	12.167	12.148	12.191	VV	62760	1454388	12	
197	12.232	12.191	12.251	VV	74319	2255090	19	
198	12.265	12.251	12.317	VV	67590	2365494	20	
199	12.340	12.317	12.364	VV	59650	1589001	13	
200	12.372	12.364	12.392	VV	56466	885938	7	
201	12.410	12.392	12.425	VV	55317	1041798	8.97%	0.157%
202	12.456	12.425	12.468	VV	57255	1407331	12.12%	0.212%
203	12.486	12.468	12.501	VV	58127	1126268	9.70%	0.170%
204	12.526	12.501	12.543	VV	60898	1482274	12.76%	0.224%
205	12.556	12.543	12.575	VV	57420	1030413	8.87%	0.155%
206	12.614	12.575	12.641	VV	119582	3010325	25.92%	0.454%
207	12.654	12.641	12.690	VV	59410	1551347	13.36%	0.234%
208	12.743	12.690	12.758	VV	61269	2172706	18.71%	0.328%
209	12.770	12.758	12.804	VV	56864	1426760	12.29%	0.215%
210	12.834	12.804	12.851	VV	50795	1366597	11.77%	0.206%
211	12.860	12.851	12.881	VV	50146	844259	7.27%	0.127%
212	12.908	12.881	12.924	VV	50207	1217742	10.49%	0.184%
213	12.930	12.924	12.970	VV	49065	1253230	10.79%	0.189%
214	12.988	12.970	13.011	VV	45812	1085831	9.35%	0.164%
215	13.023	13.011	13.048	VV	41964	908120	7.82%	0.137%
216	13.067	13.048	13.111	VV	45203	1587729	13.67%	0.240%
217	13.135	13.111	13.171	VV	47916	1597710	13.76%	0.241%
218	13.192	13.171	13.224	VV	58561	1529749	13.17%	0.231%
219	13.243	13.224	13.251	VV	43120	653289	5.63%	0.099%
220	13.271	13.251	13.317	VV	51655	1717662	14.79%	0.259%
221	13.338	13.317	13.354	VV	39950	840645	7.24%	0.127%
222	13.375	13.354	13.393	VV	39656	892079	7.68%	0.135%
223	13.414	13.393	13.477	VV	45639	1890476	16.28%	0.285%
224	13.491	13.477	13.524	VV	34479	931901	8.02%	0.141%
225	13.546	13.524	13.580	VV	35421	1120518	9.65%	0.169%
226	13.596	13.580	13.623	VV	33978	838718	7.22%	0.127%
227	13.641	13.623	13.670	VV	32088	863494	7.44%	0.130%
228	13.715	13.670	13.740	VV	102747	2078615	17.90%	0.314%
229	13.764	13.740	13.874	VV	54678	2751457	23.69%	0.415%
230	13.903	13.874	13.915	VV	27730	651066	5.61%	0.098%
231	13.925	13.915	13.956	VV	27561	668349	5.76%	0.101%
232	13.980	13.956	14.030	VH	28133	1151197	9.91%	0.174%
233	14.047	14.030	14.068	HH	25133	561103	4.83%	0.085%
234	14.100	14.068	14.128	HH	35330	1033908	8.90%	0.156%
235	14.146	14.128	14.173	HH	26393	670672	5.78%	0.101%
236	14.196	14.173	14.261	HH	24951	1193368	10.28%	0.180%
237	14.315	14.261	14.345	HH	26015	1163834	10.02%	0.176%
238	14.369	14.345	14.431	HH	27685	1156720	9.96%	0.175%
239	14.451	14.431	14.478	HH	20709	536796	4.62%	0.081%
240	14.503	14.478	14.512	HH	19839	390260	3.36%	0.059%
241	14.525	14.512	14.534	HH	20139	263885	2.27%	0.040%
242	14.546	14.534	14.568	HH	20660	391949	3.38%	0.059%
243	14.608	14.568	14.634	HH	19979	741323	6.38%	0.112%
244	14.695	14.634	14.729	HH	27152	1141535	9.83%	0.172%
245	14.760	14.729	14.810	HH	18918	828915	7.14%	0.125%
246	14.839	14.810	14.888	HH	18389	798896	6.88%	0.121%

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247	14.909	14.888	14.980	HH	16114	831498	7.16%	0.125%
248	14.999	14.980	15.064	HH	15183	709875		
249	15.091	15.064	15.115	HH	15342	433422		
250	15.147	15.115	15.223	HH	18708	959243		
251	15.266	15.223	15.284	HH	13871	481612		
252	15.305	15.284	15.358	HH	14192	549591		
253	15.378	15.358	15.389	HH	11975	215680	1.86%	0.033%
254	15.400	15.389	15.432	HH	12140	293564	2.53%	0.044%
255	15.458	15.432	15.527	HH	12120	637357	5.49%	0.096%
256	15.594	15.527	15.604	HH	11471	492847	4.24%	0.074%
257	15.618	15.604	15.668	HH	11835	410146	3.53%	0.062%
258	15.698	15.668	15.741	HH	11521	458581	3.95%	0.069%
259	15.767	15.741	15.779	HH	9724	217741	1.87%	0.033%
260	15.805	15.779	15.868	HH	10440	512657	4.41%	0.077%
261	15.907	15.868	15.931	HH	10030	356348	3.07%	0.054%
262	15.975	15.931	15.986	HH	9097	290914	2.51%	0.044%
263	16.002	15.986	16.052	HH	9311	348744	3.00%	0.053%
264	16.104	16.052	16.221	HH	12057	914705	7.88%	0.138%
265	16.254	16.221	16.309	HH	8652	412782	3.55%	0.062%
266	16.328	16.309	16.349	HH	8330	185583	1.60%	0.028%
267	16.386	16.349	16.442	HH	10756	497527	4.28%	0.075%
268	16.459	16.442	16.508	HH	7723	290797	2.50%	0.044%
269	16.522	16.508	16.531	HH	7462	102525	0.88%	0.015%
270	16.539	16.531	16.557	HH	7366	114385	0.98%	0.017%
271	16.615	16.557	16.667	HH	9066	503896	4.34%	0.076%
272	16.689	16.667	16.714	HH	6998	187862	1.62%	0.028%
273	16.746	16.714	16.767	HH	7495	217036	1.87%	0.033%
274	16.804	16.767	16.844	HH	8649	349755	3.01%	0.053%
275	16.890	16.844	16.925	HH	9918	398862	3.43%	0.060%
276	16.936	16.925	16.941	HH	7122	65237	0.56%	0.010%
277	16.964	16.941	16.983	HH	7666	182793	1.57%	0.028%
278	17.005	16.983	17.028	HV	7005	181596	1.56%	0.027%
279	17.053	17.028	17.070	VV	7240	170040	1.46%	0.026%
280	17.089	17.070	17.138	VV	7102	263821	2.27%	0.040%
281	17.278	17.138	17.329	VV	8270	777151	6.69%	0.117%
282	17.340	17.329	17.368	VV	6776	152905	1.32%	0.023%
283	17.393	17.368	17.458	VV	7094	342692	2.95%	0.052%
284	17.518	17.458	17.532	VV	7055	272805	2.35%	0.041%
285	17.540	17.532	17.549	VV	6746	65594	0.56%	0.010%
286	17.569	17.549	17.598	VV	7908	197533	1.70%	0.030%
287	17.638	17.598	17.701	VV	6643	382238	3.29%	0.058%
288	17.748	17.701	17.784	VV	7260	330600	2.85%	0.050%
289	17.803	17.784	17.828	VV	7723	183242	1.58%	0.028%
290	17.860	17.828	17.878	VV	6385	182607	1.57%	0.028%
291	17.891	17.878	17.918	VV	6333	144781	1.25%	0.022%
292	17.941	17.918	17.951	VV	6043	116773	1.01%	0.018%
293	17.975	17.951	18.008	VV	8447	223181	1.92%	0.034%
294	18.031	18.008	18.049	VV	5964	137165	1.18%	0.021%
295	18.080	18.049	18.104	VV	6743	203022	1.75%	0.031%
296	18.116	18.104	18.151	VV	6362	167425	1.44%	0.025%
297	18.168	18.151	18.181	VV	5393	93390	0.80%	0.014%
298	18.200	18.181	18.220	VV	5793	124785	1.07%	0.019%
299	18.233	18.220	18.248	VV	5198	84594	0.73%	0.013%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	18.260	18.248	18.275	VV	5184	81810	0.70%	0.012%
301	18.282	18.275	18.288	VV	5123	38766		
302	18.334	18.288	18.376	VV	6897	296293		
303	18.403	18.376	18.466	VV	7452	305683		
304	18.487	18.466	18.501	VV	4890	98145		
305	18.524	18.501	18.538	VV	4973	107140		
306	18.590	18.538	18.649	VV	9813	418647	3.61%	0.063%
307	18.687	18.649	18.718	VV	5304	195020	1.68%	0.029%
308	18.788	18.718	18.804	VV	5931	265696	2.29%	0.040%
309	18.821	18.804	18.888	VV	6627	233051	2.01%	0.035%
310	18.917	18.888	18.934	VV	4758	123548	1.06%	0.019%
311	18.955	18.934	19.003	VV	10694	248782	2.14%	0.038%
312	19.025	19.003	19.044	VV	4168	99196	0.85%	0.015%
313	19.108	19.044	19.168	VV	5140	317145	2.73%	0.048%
314	19.230	19.168	19.290	VV	6371	317548	2.73%	0.048%
315	19.310	19.290	19.324	VV	3829	75879	0.65%	0.011%
316	19.332	19.324	19.341	VV	3762	37548	0.32%	0.006%
317	19.375	19.341	19.396	VV	5905	148882	1.28%	0.022%
318	19.423	19.396	19.454	VV	6087	169158	1.46%	0.026%
319	19.465	19.454	19.474	VV	4104	49565	0.43%	0.007%
320	19.479	19.474	19.484	VV	4215	23386	0.20%	0.004%
321	19.517	19.484	19.531	VV	4635	125458	1.08%	0.019%
322	19.555	19.531	19.584	VV	4614	138358	1.19%	0.021%
323	19.626	19.584	19.678	VV	6829	284397	2.45%	0.043%
324	19.703	19.678	19.731	VV	5561	152440	1.31%	0.023%
325	19.773	19.731	19.798	VV	5470	193969	1.67%	0.029%
326	19.822	19.798	19.849	VV	5419	159986	1.38%	0.024%
327	19.914	19.849	19.938	VV	5320	276666	2.38%	0.042%
328	19.951	19.938	19.964	VV	5392	82951	0.71%	0.013%
329	20.011	19.964	20.064	VV	8078	386427	3.33%	0.058%
330	20.080	20.064	20.101	VV	6353	134623	1.16%	0.020%
331	20.125	20.101	20.144	VV	5981	148630	1.28%	0.022%
332	20.208	20.144	20.218	VV	6658	283923	2.44%	0.043%
333	20.239	20.218	20.246	VV	6708	110103	0.95%	0.017%
334	20.297	20.246	20.320	VV	7215	303813	2.62%	0.046%
335	20.329	20.320	20.353	VV	7107	141127	1.22%	0.021%
336	20.386	20.353	20.414	VV	8902	294480	2.54%	0.044%
337	20.438	20.414	20.458	VV	8120	208419	1.79%	0.031%
338	20.471	20.458	20.490	VV	8054	153585	1.32%	0.023%
339	20.549	20.490	20.561	VV	8309	343926	2.96%	0.052%
340	20.701	20.561	20.714	VV	9651	825046	7.10%	0.124%
341	20.745	20.714	20.768	VV	10786	320540	2.76%	0.048%
342	20.788	20.768	20.816	VV	9881	284758	2.45%	0.043%
343	20.857	20.816	20.875	VV	10404	358736	3.09%	0.054%

Sum of corrected areas: 662717983

Aliphatic EPH 020325.M Mon Feb 10 06:02:23 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-9DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-08DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
FF015504.D	5	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	164	E	1.66	3.69	mg/kg
Aromatic C12-C16	Aromatic C12-C16	509	E	1.88	5.53	mg/kg
Aromatic C16-C21	Aromatic C16-C21	597	E	5.31	9.22	mg/kg
Aromatic C21-C36	Aromatic C21-C36	63.2		11.1	14.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	17.9		40 - 140	179%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	13.2		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	10.4		40 - 140	104%	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:	Q1308-08DL	Acq On:	08 Feb 2025 01:54
Client Sample ID:	EX-11-TPH-9DL	Operator:	YP\AJ
Data file:	FF015504.D	Misc:	
Instrument:	FID_F	ALS Vial:	88
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	61699158	446.699	200	ug/ml
Aromatic C12-C16	6.375	9.068	185345821	1380	300	ug/ml
Aromatic C16-C21	9.069	13.385	199706096	1620	500	ug/ml
Aromatic C21-C36	13.386	18.838	20190992	171.435	800	ug/ml
Aromatic EPH	4.505	18.838	466942067	3620		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	1378591	10.45		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	2132279	17.94		ug/ml
2-Flurobiphenyl (SURR)	8.873	8.873	999553	13.16		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015504.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 01:54
Operator : YP\AJ
Sample : Q1308-08DL 5X
Misc :
ALS Vial : 88 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:39:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-9DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.997	2132279	17.940 ug/mlm
Spiked Amount 50.000		Recovery = 35.88%	
6) S 2-Flurobiphenyl (SURR)	8.873	999553	13.162 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 26.32%	
11) S ortho-Terphenyl (SURR)	11.934	1378591	10.453 ug/mlm
Spiked Amount 50.000		Recovery = 20.91%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015504.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 01:54
Operator : YP\AJ
Sample : Q1308-08DL 5X
Misc :
ALS Vial : 88 Sample Multiplier: 1

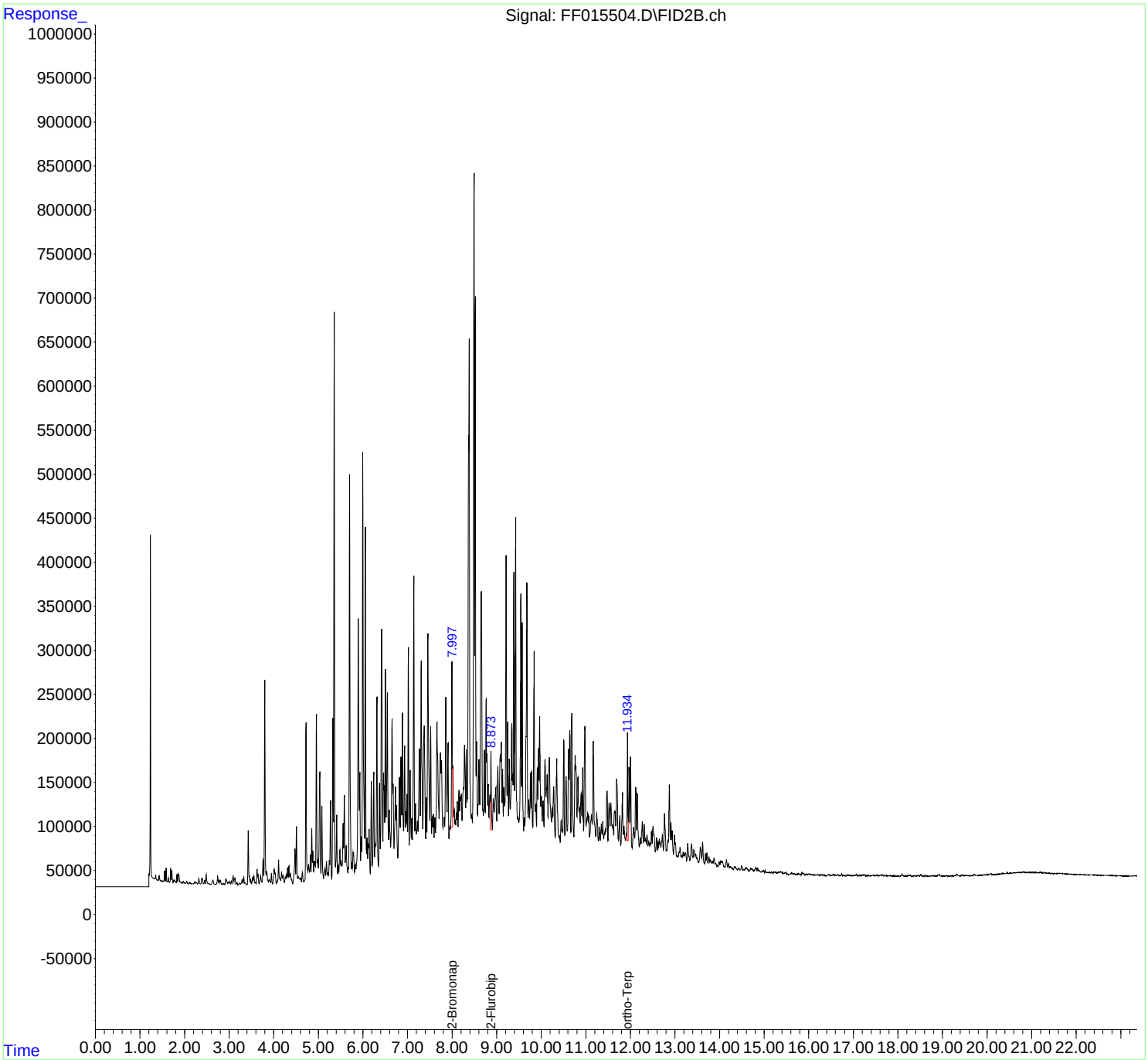
Integration File: autoint1.e
Quant Time: Feb 10 00:39:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

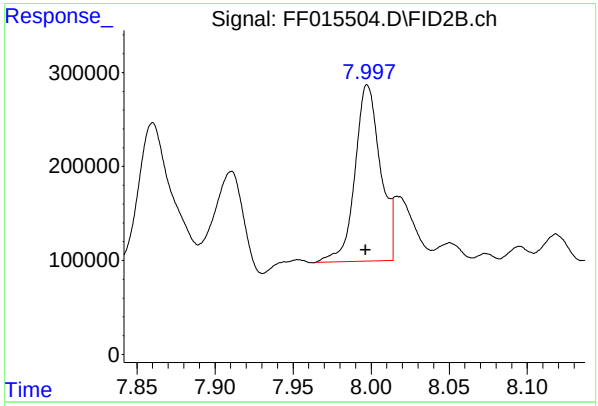
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





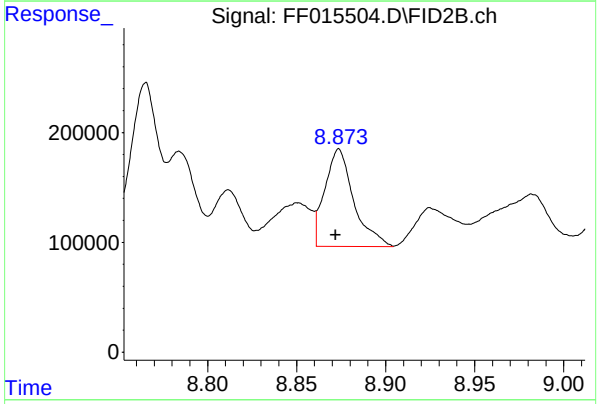
#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: 0.000 mi
Response: 2132279
Conc: 17.94 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL

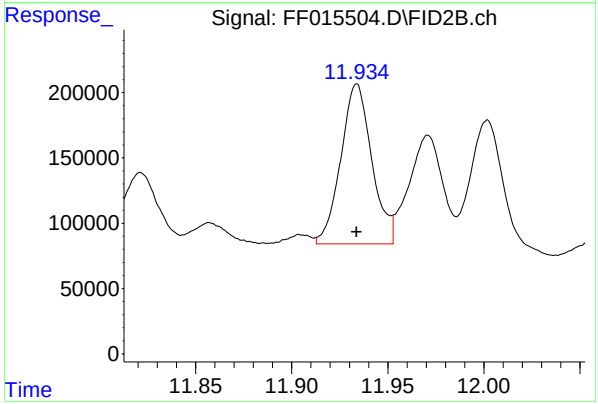
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: 0.001 min
Response: 999553
Conc: 13.16 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.934 min
Delta R.T.: 0.000 min
Response: 1378591
Conc: 10.45 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015504.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 01:54
Sample : Q1308-08DL 5X
Misc :
ALS Vial : 88 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.478	4.400	4.493	BV	36227	443768	3.17%	0.094%
2	4.510	4.493	4.536	VV	61605	690844	4.93%	0.147%
3	4.552	4.536	4.592	VV	4826	115181	0.82%	0.025%
4	4.604	4.592	4.620	VV	3713	38416	0.27%	0.008%
5	4.643	4.620	4.683	PV	10830	141476	1.01%	0.030%
6	4.723	4.683	4.766	PV	180995	2105515	15.02%	0.448%
7	4.781	4.766	4.805	VV	19822	348500	2.49%	0.074%
8	4.824	4.805	4.838	VV	30868	388490	2.77%	0.083%
9	4.853	4.838	4.867	VV	60443	652499	4.65%	0.139%
10	4.878	4.867	4.895	VV	35455	410280	2.93%	0.087%
11	4.913	4.895	4.924	VV	23802	341473	2.44%	0.073%
12	4.929	4.924	4.938	VV	20944	165656	1.18%	0.035%
13	4.957	4.938	4.978	VV	190233	2062476	14.71%	0.439%
14	4.987	4.978	5.000	VV	25651	282734	2.02%	0.060%
15	5.033	5.000	5.060	VV	124983	2034491	14.51%	0.433%
16	5.080	5.060	5.118	VV	86157	1070789	7.64%	0.228%
17	5.148	5.118	5.165	VV	14879	282894	2.02%	0.060%
18	5.183	5.165	5.204	VV	22557	337547	2.41%	0.072%
19	5.213	5.204	5.226	VV	10001	114205	0.81%	0.024%
20	5.248	5.226	5.256	VV	24393	298687	2.13%	0.064%
21	5.273	5.256	5.301	VV	92245	1064300	7.59%	0.227%
22	5.326	5.301	5.339	VV	185153	1889007	13.47%	0.402%
23	5.357	5.339	5.383	VV	647246	6736599	48.05%	1.434%
24	5.413	5.383	5.432	VV	76071	1030206	7.35%	0.219%
25	5.448	5.432	5.463	VV	18496	280003	2.00%	0.060%
26	5.484	5.463	5.501	VV	36282	577720	4.12%	0.123%
27	5.510	5.501	5.521	VV	22964	250004	1.78%	0.053%
28	5.528	5.521	5.535	VV	18957	157118	1.12%	0.033%
29	5.557	5.535	5.569	VV	66031	868999	6.20%	0.185%
30	5.584	5.569	5.603	VV	98371	1207856	8.62%	0.257%
31	5.627	5.603	5.661	VV	40783	833279	5.94%	0.177%
32	5.702	5.661	5.742	VV	462152	5799575	41.37%	1.234%
33	5.753	5.742	5.763	VV	19941	221173	1.58%	0.047%
34	5.780	5.763	5.815	VV	33206	750439	5.35%	0.160%
35	5.834	5.815	5.847	VV	19193	296766	2.12%	0.063%
36	5.897	5.847	5.921	VV	298480	4689276	33.45%	0.998%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/10/2025

rteres

37	5.931	5.921	5.950	VV	123785	1392801	9.94%	0.296%
38	5.967	5.950	5.978	VV	50904	673671	4	
39	5.998	5.978	6.036	VV	487514	6674420	47	
40	6.055	6.036	6.083	VV	402343	4391528	31	
41	6.095	6.083	6.108	VV	49393	572023	4	
42	6.120	6.108	6.127	VV	42895	428439	3	
43	6.140	6.127	6.166	VV	59548	829907	5.92%	0.177%
44	6.190	6.166	6.210	VV	114110	1361655	9.71%	0.290%
45	6.244	6.210	6.262	VV	124302	1866719	13.32%	0.397%
46	6.274	6.262	6.278	VV	40111	352055	2.51%	0.075%
47	6.287	6.278	6.293	VV	43147	372121	2.65%	0.079%
48	6.315	6.293	6.350	VV	209782	2824729	20.15%	0.601%
49	6.372	6.350	6.390	VV	111848	1424617	10.16%	0.303%
50	6.420	6.390	6.449	VV	286266	5171232	36.89%	1.101%
51	6.464	6.449	6.473	VV	123076	1396538	9.96%	0.297%
52	6.479	6.473	6.491	VV	108913	992621	7.08%	0.211%
53	6.506	6.491	6.522	VV	240344	2757301	19.67%	0.587%
54	6.549	6.522	6.576	VV	213822	3744412	26.71%	0.797%
55	6.592	6.576	6.624	VV	80829	1654231	11.80%	0.352%
56	6.654	6.624	6.672	VV	184584	3032899	21.63%	0.646%
57	6.679	6.672	6.699	VV	110478	1269887	9.06%	0.270%
58	6.730	6.699	6.742	VV	106960	1847157	13.18%	0.393%
59	6.753	6.742	6.784	VV	86194	1454697	10.38%	0.310%
60	6.821	6.784	6.837	VV	118303	2325912	16.59%	0.495%
61	6.855	6.837	6.871	VV	140799	2204273	15.72%	0.469%
62	6.887	6.871	6.913	VV	190608	2900007	20.69%	0.617%
63	6.937	6.913	6.954	VV	153402	2417233	17.24%	0.515%
64	6.964	6.954	6.974	VV	78945	882228	6.29%	0.188%
65	6.989	6.974	7.002	VV	98738	1339957	9.56%	0.285%
66	7.020	7.002	7.040	VV	265359	3121979	22.27%	0.665%
67	7.061	7.040	7.085	VV	125698	2138604	15.26%	0.455%
68	7.098	7.085	7.109	VV	71426	861769	6.15%	0.183%
69	7.143	7.109	7.165	VV	346082	5026143	35.85%	1.070%
70	7.181	7.165	7.199	VV	87468	1394200	9.95%	0.297%
71	7.226	7.199	7.240	VV	68575	1485980	10.60%	0.316%
72	7.270	7.240	7.290	VV	150254	3155217	22.51%	0.672%
73	7.309	7.290	7.345	VV	250080	4644744	33.13%	0.989%
74	7.376	7.345	7.408	VV	176425	4494954	32.06%	0.957%
75	7.422	7.408	7.436	VV	94425	1238196	8.83%	0.264%
76	7.458	7.436	7.502	VV	280325	5905874	42.13%	1.257%
77	7.522	7.502	7.542	VV	174815	2661653	18.99%	0.567%
78	7.557	7.542	7.569	VV	72295	1065250	7.60%	0.227%
79	7.582	7.569	7.598	VV	75564	1094159	7.80%	0.233%
80	7.615	7.598	7.630	VV	71533	1200086	8.56%	0.255%
81	7.662	7.630	7.710	VV	179592	5255376	37.49%	1.119%
82	7.739	7.710	7.752	VV	145309	3003128	21.42%	0.639%
83	7.765	7.752	7.797	VV	136598	2667614	19.03%	0.568%
84	7.823	7.797	7.837	VV	72066	1581725	11.28%	0.337%
85	7.860	7.837	7.890	VV	208293	4022089	28.69%	0.856%
86	7.910	7.890	7.931	VV	156225	2609776	18.62%	0.556%
87	7.953	7.931	7.964	VV	62164	1149377	8.20%	0.245%
88	7.998	7.964	8.039	VV	248640	5509826	39.30%	1.173%
89	8.050	8.039	8.065	VV	80323	1137718	8.12%	0.242%

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					rteres			
90	8.073	8.065	8.082	VV	68657	683394	4.87%	0.145%
91	8.095	8.082	8.104	VV	76353	933045	6	
92	8.118	8.104	8.135	VV	89723	1435979	10	
93	8.154	8.135	8.173	VV	102086	1908950	13	
94	8.187	8.173	8.197	VV	94617	1320161	9	
95	8.207	8.197	8.225	VV	98365	1453501	10	
96	8.257	8.225	8.262	VV	105701	2057296	14.68%	0.438%
97	8.280	8.262	8.306	VV	153729	3191525	22.77%	0.679%
98	8.320	8.306	8.334	VV	148497	1995655	14.24%	0.425%
99	8.386	8.334	8.428	VV	613334	14018918	100.00%	2.984%
100	8.437	8.428	8.458	VV	74894	1291969	9.22%	0.275%
101	8.494	8.458	8.508	VV	801792	11062357	78.91%	2.355%
102	8.522	8.508	8.539	VV	664701	7084993	50.54%	1.508%
103	8.551	8.539	8.572	VV	156964	2401937	17.13%	0.511%
104	8.604	8.572	8.623	VV	137625	3186734	22.73%	0.678%
105	8.656	8.623	8.704	VV	327936	8603444	61.37%	1.831%
106	8.725	8.704	8.744	VV	147624	2518427	17.96%	0.536%
107	8.765	8.744	8.778	VV	206869	2897967	20.67%	0.617%
108	8.784	8.778	8.800	VV	144022	1663674	11.87%	0.354%
109	8.812	8.800	8.827	VV	109026	1500606	10.70%	0.319%
110	8.851	8.827	8.860	VV	97103	1711248	12.21%	0.364%
111	8.874	8.860	8.905	VV	146470	2583220	18.43%	0.550%
112	8.925	8.905	8.946	VV	92383	1964203	14.01%	0.418%
113	8.982	8.946	9.005	VV	104996	3102881	22.13%	0.660%
114	9.029	9.005	9.057	VV	129807	2957715	21.10%	0.630%
115	9.086	9.057	9.095	VV	142370	2772312	19.78%	0.590%
116	9.106	9.095	9.123	VV	156729	2180836	15.56%	0.464%
117	9.135	9.123	9.151	VV	126180	1708125	12.18%	0.364%
118	9.164	9.151	9.181	VV	105174	1684667	12.02%	0.359%
119	9.214	9.181	9.234	VV	368509	5887369	42.00%	1.253%
120	9.248	9.234	9.269	VV	179679	2675479	19.08%	0.569%
121	9.285	9.269	9.304	VV	137853	2207246	15.74%	0.470%
122	9.339	9.304	9.353	VV	177467	3451337	24.62%	0.735%
123	9.360	9.353	9.367	VV	119294	978845	6.98%	0.208%
124	9.386	9.367	9.403	VV	348624	4500021	32.10%	0.958%
125	9.427	9.403	9.469	VV	411332	6759594	48.22%	1.439%
126	9.478	9.469	9.495	VV	71447	1110147	7.92%	0.236%
127	9.543	9.495	9.559	VV	325368	5554935	39.62%	1.182%
128	9.574	9.559	9.608	VV	292041	4157198	29.65%	0.885%
129	9.622	9.608	9.634	VV	70846	1031447	7.36%	0.220%
130	9.679	9.634	9.706	VV	336620	6871689	49.02%	1.463%
131	9.721	9.706	9.738	VV	91383	1533312	10.94%	0.326%
132	9.761	9.738	9.774	VV	121897	2015514	14.38%	0.429%
133	9.786	9.774	9.810	VV	123511	2006860	14.32%	0.427%
134	9.841	9.810	9.872	VV	259230	4908311	35.01%	1.045%
135	9.881	9.872	9.895	VV	85401	1042865	7.44%	0.222%
136	9.913	9.895	9.927	VV	126905	1908062	13.61%	0.406%
137	9.941	9.927	9.952	VV	148996	1910617	13.63%	0.407%
138	9.966	9.952	9.990	VV	185223	2984050	21.29%	0.635%
139	10.003	9.990	10.028	VV	94797	1882647	13.43%	0.401%
140	10.042	10.028	10.063	VV	89876	1617335	11.54%	0.344%
141	10.085	10.063	10.108	VV	135907	2829440	20.18%	0.602%

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rteres

142	10.135	10.108	10.152	VV	118766	2703558	19.29%	0.575%
143	10.184	10.152	10.229	VV	138667	4616858	32	
144	10.248	10.229	10.260	VV	81352	1397337	9	
145	10.280	10.260	10.314	VV	105438	2519903	17	
146	10.346	10.314	10.396	VV	137244	3939875	28	
147	10.404	10.396	10.425	VV	50219	839540	5	
148	10.449	10.425	10.462	VV	67401	1240707	8.85%	0.264%
149	10.469	10.462	10.482	VV	56792	665009	4.74%	0.142%
150	10.505	10.482	10.531	VV	158181	2627239	18.74%	0.559%
151	10.558	10.531	10.585	VV	116824	2587774	18.46%	0.551%
152	10.615	10.585	10.627	VV	147969	2530307	18.05%	0.539%
153	10.642	10.627	10.666	VV	169276	2777337	19.81%	0.591%
154	10.686	10.666	10.732	VV	188806	3834364	27.35%	0.816%
155	10.760	10.732	10.770	VV	140948	2274729	16.23%	0.484%
156	10.777	10.770	10.802	VV	128607	1983057	14.15%	0.422%
157	10.824	10.802	10.849	VV	116290	2593085	18.50%	0.552%
158	10.858	10.849	10.872	VV	81165	1055530	7.53%	0.225%
159	10.897	10.872	10.913	VV	97978	2026224	14.45%	0.431%
160	10.931	10.913	10.949	VV	126737	2024782	14.44%	0.431%
161	10.980	10.949	11.007	VV	173717	3905969	27.86%	0.831%
162	11.021	11.007	11.025	VV	67818	701267	5.00%	0.149%
163	11.041	11.025	11.057	VV	75227	1360715	9.71%	0.290%
164	11.065	11.057	11.083	VV	72050	965276	6.89%	0.205%
165	11.128	11.083	11.144	VV	73373	2299812	16.41%	0.490%
166	11.167	11.144	11.224	VV	156801	3936557	28.08%	0.838%
167	11.246	11.224	11.282	VV	74392	2084504	14.87%	0.444%
168	11.303	11.282	11.324	VV	59289	1284123	9.16%	0.273%
169	11.346	11.324	11.364	VV	62623	1314304	9.38%	0.280%
170	11.382	11.364	11.401	VV	65330	1250425	8.92%	0.266%
171	11.442	11.401	11.451	VV	57021	1548848	11.05%	0.330%
172	11.475	11.451	11.497	VV	99737	2035697	14.52%	0.433%
173	11.523	11.497	11.545	VV	86022	2083734	14.86%	0.444%
174	11.561	11.545	11.588	VV	86078	1868309	13.33%	0.398%
175	11.594	11.588	11.623	VV	62062	1222127	8.72%	0.260%
176	11.642	11.623	11.673	VV	77094	2074606	14.80%	0.442%
177	11.694	11.673	11.731	VV	113745	2738121	19.53%	0.583%
178	11.761	11.731	11.783	VV	71871	1743368	12.44%	0.371%
179	11.821	11.783	11.843	VV	98456	2302272	16.42%	0.490%
180	11.857	11.843	11.887	VV	60219	1369758	9.77%	0.292%
181	11.904	11.887	11.912	VV	51057	709250	5.06%	0.151%
182	11.934	11.912	11.952	VV	166427	2416906	17.24%	0.514%
183	11.971	11.952	11.986	VV	127107	1903752	13.58%	0.405%
184	12.002	11.986	12.037	VV	138809	2353450	16.79%	0.501%
185	12.069	12.037	12.096	VV	58202	1713245	12.22%	0.365%
186	12.119	12.096	12.135	VV	104346	1731794	12.35%	0.369%
187	12.152	12.135	12.200	VV	96938	2379422	16.97%	0.506%
188	12.221	12.200	12.237	VV	46936	946623	6.75%	0.201%
189	12.265	12.237	12.290	VV	65404	1656908	11.82%	0.353%
190	12.309	12.290	12.327	VV	61421	1099670	7.84%	0.234%
191	12.340	12.327	12.359	VV	45209	825599	5.89%	0.176%
192	12.372	12.359	12.394	VV	49385	904445	6.45%	0.193%
193	12.411	12.394	12.427	VV	43495	806653	5.75%	0.172%
194	12.442	12.427	12.454	VV	40594	647735	4.62%	0.138%

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					rteres			
195	12.471	12.454	12.487	VV	53513	892127	6.36%	0.190%
196	12.507	12.487	12.524	VV	59570	1142759	8	
197	12.529	12.524	12.558	VV	50144	836947	5	
198	12.587	12.558	12.605	VV	46574	1083189	7	
199	12.620	12.605	12.635	VV	41501	673276	4	
200	12.650	12.635	12.682	VV	44315	1111283	7	
201	12.715	12.682	12.739	VV	50568	1416590	10.10%	0.302%
202	12.763	12.739	12.802	VV	74105	1910281	13.63%	0.407%
203	12.814	12.802	12.819	VV	32839	322530	2.30%	0.069%
204	12.872	12.819	12.892	VV	106773	2496101	17.81%	0.531%
205	12.908	12.892	12.923	VV	63650	1017484	7.26%	0.217%
206	12.935	12.923	12.967	VV	54417	1069154	7.63%	0.228%
207	12.987	12.967	13.002	VV	49695	853190	6.09%	0.182%
208	13.007	13.002	13.040	VV	40255	732460	5.22%	0.156%
209	13.045	13.040	13.064	VV	26078	358511	2.56%	0.076%
210	13.112	13.064	13.133	VV	35135	1210038	8.63%	0.258%
211	13.147	13.133	13.160	VV	26066	413263	2.95%	0.088%
212	13.180	13.160	13.195	VV	29703	557700	3.98%	0.119%
213	13.205	13.195	13.215	VV	27616	334003	2.38%	0.071%
214	13.238	13.215	13.261	VV	29391	720257	5.14%	0.153%
215	13.285	13.261	13.333	VV	39613	1198371	8.55%	0.255%
216	13.371	13.333	13.400	VV	39068	1180769	8.42%	0.251%
217	13.425	13.400	13.449	VV	31741	817559	5.83%	0.174%
218	13.462	13.449	13.485	VV	27486	559502	3.99%	0.119%
219	13.494	13.485	13.521	VV	23600	451524	3.22%	0.096%
220	13.568	13.521	13.598	VV	35460	1187281	8.47%	0.253%
221	13.619	13.598	13.663	VV	40633	1013078	7.23%	0.216%
222	13.682	13.663	13.696	VV	27824	442442	3.16%	0.094%
223	13.713	13.696	13.740	VV	29099	613502	4.38%	0.131%
224	13.761	13.740	13.779	VV	24403	488799	3.49%	0.104%
225	13.791	13.779	13.820	VV	20950	469374	3.35%	0.100%
226	13.838	13.820	13.853	VV	19514	354071	2.53%	0.075%
227	13.875	13.853	13.901	VV	22657	567771	4.05%	0.121%
228	13.916	13.901	13.936	VV	16727	332016	2.37%	0.071%
229	13.947	13.936	13.965	VV	14668	242689	1.73%	0.052%
230	13.988	13.965	14.008	VV	18727	422136	3.01%	0.090%
231	14.027	14.008	14.041	VV	19745	356598	2.54%	0.076%
232	14.055	14.041	14.096	VV	19075	553991	3.95%	0.118%
233	14.103	14.096	14.122	VV	13480	202617	1.45%	0.043%
234	14.153	14.122	14.179	VV	20829	569051	4.06%	0.121%
235	14.197	14.179	14.220	VV	16698	345233	2.46%	0.073%
236	14.235	14.220	14.310	VV	13225	636978	4.54%	0.136%
237	14.331	14.310	14.341	VV	12758	212826	1.52%	0.045%
238	14.350	14.341	14.405	VV	12540	424963	3.03%	0.090%
239	14.429	14.405	14.456	VV	11634	317718	2.27%	0.068%
240	14.493	14.456	14.522	VV	13926	432543	3.09%	0.092%
241	14.540	14.522	14.549	VV	9403	150680	1.07%	0.032%
242	14.553	14.549	14.557	VV	9290	46394	0.33%	0.010%
243	14.585	14.557	14.605	VV	11515	306277	2.18%	0.065%
244	14.612	14.605	14.644	VV	11123	235131	1.68%	0.050%
245	14.650	14.644	14.671	VV	8759	135511	0.97%	0.029%
246	14.693	14.671	14.706	VV	10669	203273	1.45%	0.043%

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247	14.716	14.706	14.769	VV	10663	355552	2.54%	0.076%
248	14.818	14.769	14.841	VV	11198	415590	2	
249	14.857	14.841	14.880	VV	10144	203030	1	
250	14.893	14.880	14.925	VV	8278	204270	1	
251	14.945	14.925	14.961	VV	7167	148116	1	
252	14.978	14.961	15.005	VV	8703	199667	1	
253	15.018	15.005	15.043	VV	7736	155691	1.11%	0.033%
254	15.051	15.043	15.089	VV	6299	169075	1.21%	0.036%
255	15.117	15.089	15.147	VV	6342	205136	1.46%	0.044%
256	15.176	15.147	15.199	VV	6457	185007	1.32%	0.039%
257	15.220	15.199	15.243	VV	6900	168137	1.20%	0.036%
258	15.256	15.243	15.282	VV	6480	135541	0.97%	0.029%
259	15.317	15.282	15.340	VV	6530	202859	1.45%	0.043%
260	15.367	15.340	15.412	VV	7162	268346	1.91%	0.057%
261	15.415	15.412	15.435	VV	5709	71281	0.51%	0.015%
262	15.476	15.435	15.542	VV	5993	308927	2.20%	0.066%
263	15.556	15.542	15.560	VV	3991	41901	0.30%	0.009%
264	15.565	15.560	15.580	VV	4043	46983	0.34%	0.010%
265	15.608	15.580	15.623	VV	5574	120208	0.86%	0.026%
266	15.632	15.623	15.650	VV	4821	76530	0.55%	0.016%
267	15.660	15.650	15.676	VV	4772	66807	0.48%	0.014%
268	15.685	15.676	15.707	VV	4305	70617	0.50%	0.015%
269	15.767	15.707	15.787	VV	4440	179650	1.28%	0.038%
270	15.798	15.787	15.822	VV	3776	75145	0.54%	0.016%
271	15.851	15.822	15.872	VV	5906	132160	0.94%	0.028%
272	15.888	15.872	15.916	VV	4741	100342	0.72%	0.021%
273	15.928	15.916	15.937	VV	3031	36974	0.26%	0.008%
274	15.958	15.937	15.978	VV	3735	81597	0.58%	0.017%
275	16.004	15.978	16.046	VV	4174	149087	1.06%	0.032%
276	16.055	16.046	16.064	VV	3373	34747	0.25%	0.007%
277	16.076	16.064	16.097	VV	3518	64732	0.46%	0.014%
278	16.140	16.097	16.155	VV	3078	98097	0.70%	0.021%
279	16.167	16.155	16.172	VV	2853	26345	0.19%	0.006%
280	16.177	16.172	16.189	VV	2910	28666	0.20%	0.006%
281	16.206	16.189	16.237	VV	2976	79593	0.57%	0.017%
282	16.259	16.237	16.267	VV	2864	47651	0.34%	0.010%
283	16.274	16.267	16.298	VV	2999	52254	0.37%	0.011%
284	16.306	16.298	16.335	VV	2619	52965	0.38%	0.011%
285	16.348	16.335	16.394	VV	2462	71614	0.51%	0.015%
286	16.449	16.394	16.478	VV	3305	117994	0.84%	0.025%
287	16.490	16.478	16.515	VV	2342	46764	0.33%	0.010%
288	16.521	16.515	16.523	VV	2190	10261	0.07%	0.002%
289	16.552	16.523	16.587	VV	3085	94283	0.67%	0.020%
290	16.604	16.587	16.619	VV	2292	39351	0.28%	0.008%
291	16.651	16.619	16.683	VV	2996	89139	0.64%	0.019%
292	16.701	16.683	16.715	VV	1887	31568	0.23%	0.007%
293	16.740	16.715	16.760	VV	3282	66104	0.47%	0.014%
294	16.771	16.760	16.817	VV	1990	58390	0.42%	0.012%
295	16.822	16.817	16.847	VV	1897	30303	0.22%	0.006%
296	16.878	16.847	16.913	VV	2306	74319	0.53%	0.016%
297	16.928	16.913	16.943	VV	2027	33940	0.24%	0.007%
298	16.954	16.943	16.985	VV	2024	43594	0.31%	0.009%
299	17.021	16.985	17.042	VV	2173	59386	0.42%	0.013%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL

rteres

300	17.062	17.042	17.109	VV	2733	80002	0.57%	0.017%
301	17.127	17.109	17.148	VV	1903	39003		
302	17.156	17.148	17.167	VV	1740	19311		
303	17.171	17.167	17.180	VV	1752	12046		
304	17.204	17.180	17.217	VV	2505	44067		
305	17.222	17.217	17.235	VV	2101	21370		
306	17.252	17.235	17.285	VV	2777	58497	0.42%	0.012%
307	17.302	17.285	17.314	VV	1389	21574	0.15%	0.005%
308	17.324	17.314	17.329	VV	1434	11350	0.08%	0.002%
309	17.336	17.329	17.350	VV	1373	15845	0.11%	0.003%
310	17.360	17.350	17.370	VV	1308	14566	0.10%	0.003%
311	17.376	17.370	17.386	VV	1294	11586	0.08%	0.002%
312	17.392	17.386	17.398	VV	1380	8258	0.06%	0.002%
313	17.412	17.398	17.420	VV	1456	17957	0.13%	0.004%
314	17.426	17.420	17.430	VV	1432	7962	0.06%	0.002%
315	17.449	17.430	17.474	VV	2336	45471	0.32%	0.010%
316	17.485	17.474	17.496	VV	1442	17268	0.12%	0.004%
317	17.519	17.496	17.547	VV	1968	48668	0.35%	0.010%
318	17.553	17.547	17.580	VV	1572	26800	0.19%	0.006%
319	17.585	17.580	17.591	VV	1244	7838	0.06%	0.002%
320	17.617	17.591	17.637	VV	2372	50792	0.36%	0.011%
321	17.655	17.637	17.685	VV	2492	50994	0.36%	0.011%
322	17.697	17.685	17.711	VV	1247	17232	0.12%	0.004%
323	17.719	17.711	17.728	VV	1276	12015	0.09%	0.003%
324	17.744	17.728	17.765	VV	1404	27412	0.20%	0.006%
325	17.771	17.765	17.807	VV	1421	27925	0.20%	0.006%
326	17.831	17.807	17.858	VV	1592	35061	0.25%	0.007%
327	17.878	17.858	17.904	VV	1050	23270	0.17%	0.005%
328	17.905	17.904	17.910	VV	835	2566	0.02%	0.001%
329	17.928	17.910	17.952	VV	1032	20130	0.14%	0.004%
330	17.958	17.952	17.970	VV	725	6922	0.05%	0.001%
331	17.992	17.970	17.999	VV	989	12739	0.09%	0.003%
332	18.008	17.999	18.039	VV	791	15670	0.11%	0.003%
333	18.044	18.039	18.048	VV	457	2186	0.02%	0.000%
334	18.057	18.048	18.062	VV	780	5485	0.04%	0.001%
335	18.092	18.062	18.118	VV	3092	52697	0.38%	0.011%
336	18.130	18.118	18.149	VV	838	13277	0.09%	0.003%
337	18.156	18.149	18.163	VV	923	6510	0.05%	0.001%
338	18.166	18.163	18.172	VV	721	3806	0.03%	0.001%
339	18.178	18.172	18.204	VV	808	13518	0.10%	0.003%
340	18.217	18.204	18.222	VV	850	7565	0.05%	0.002%
341	18.233	18.222	18.260	VV	1478	26600	0.19%	0.006%
342	18.279	18.260	18.312	VV	1703	30368	0.22%	0.006%
343	18.356	18.312	18.403	VV	973	37965	0.27%	0.008%
344	18.416	18.403	18.422	VV	562	4924	0.04%	0.001%
345	18.454	18.422	18.477	VV	1248	27693	0.20%	0.006%
346	18.486	18.477	18.490	VV	586	4227	0.03%	0.001%
347	18.515	18.490	18.540	VV	2319	37082	0.26%	0.008%
348	18.552	18.540	18.559	VV	558	4791	0.03%	0.001%
349	18.563	18.559	18.576	VV	475	3650	0.03%	0.001%
350	18.578	18.576	18.584	VV	376	1213	0.01%	0.000%
351	18.607	18.584	18.653	VV	1481	25600	0.18%	0.005%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

352	18.667	18.653	18.676	VV	534	4345	0.03%	0.001%
353	18.681	18.676	18.690	VV	448	2862	0	
354	18.696	18.690	18.704	VV	359	2948	0	
355	18.709	18.704	18.727	VV	406	3337	0	
356	18.751	18.727	18.762	PV	872	10416	0	
357	18.764	18.762	18.783	VV	683	5105	0	
358	18.793	18.783	18.800	PBA	168	2841	0.02%	0.001%

Sum of corrected areas: 469802736

Aromatic EPH 020525.M Mon Feb 10 01:53:32 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-9DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-08DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
FE052305.D	100	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		702		42.0	110	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1260		26.5	73.7	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		445		33.2	110	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		105	J	88.5	147	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		199	U	199	221	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-08DL2	Acq On:	07 Feb 2025 23:27
Client Sample ID:	EX-11-TPH-9DL2	Operator:	YP\AJ
Data file:	FE052305.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	9162020	95.255	300	ug/ml
Aliphatic C12-C16	7.236	10.639	17943161	171.354	200	ug/ml
Aliphatic C16-C21	10.640	13.984	6831465	60.444	300	ug/ml
Aliphatic C21-C28	13.985	17.628	1634202	14.335	400	ug/ml
Aliphatic C28-C40	17.629	22.712	500745	5.469	600	ug/ml
Aliphatic EPH	3.679	22.712	36071593	346.857		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	3.679	17.628	35570848	341.388	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052305.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 23:27
Operator : YP\AJ
Sample : Q1308-08DL2 100X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9DL2

Integration File: autoint1.e
Quant Time: Feb 08 02:29:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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

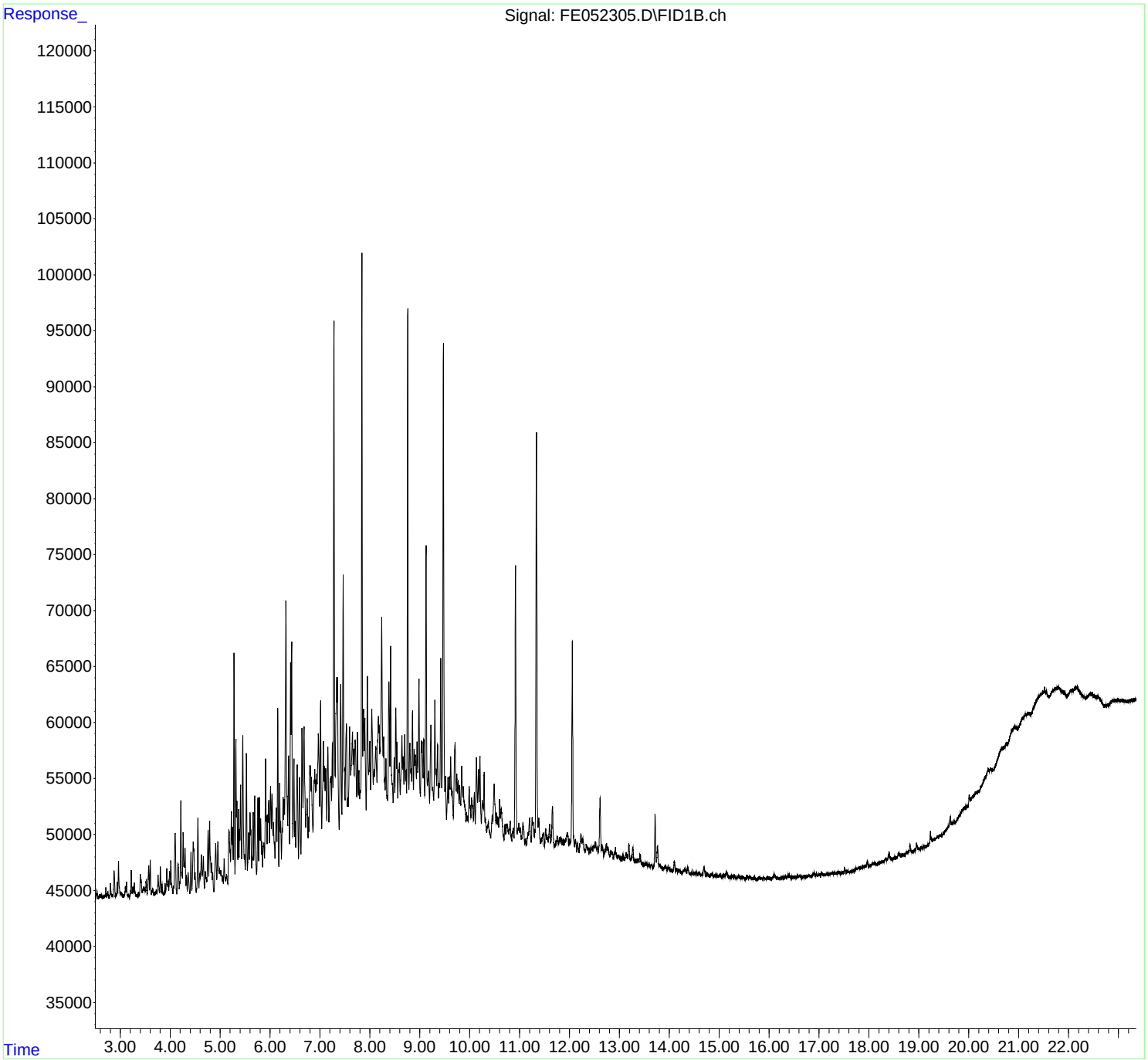
(f)=RT Delta > 1/2 Window (m)=manual int.

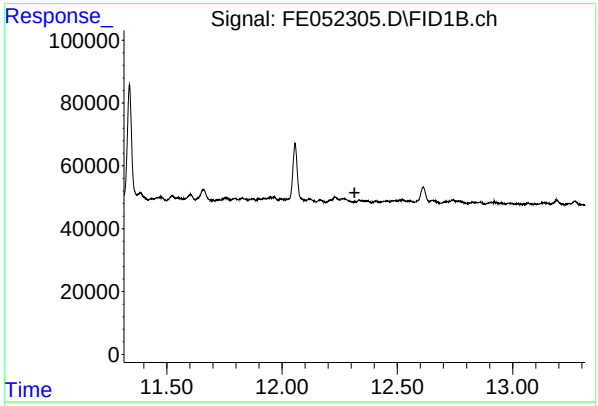
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052305.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 23:27
Operator : YP\AJ
Sample : Q1308-08DL2 100X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9DL2

Integration File: autoint1.e
Quant Time: Feb 08 02:29:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

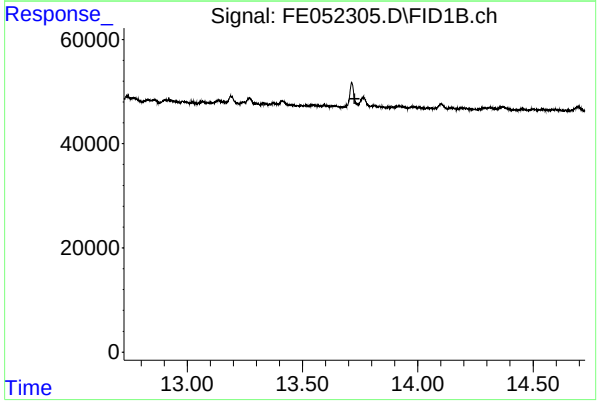




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-9DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.726 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052305.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 23:27
Sample : Q1308-08DL2 100X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.897	3.871	3.910	PV	805	6214	0.77%	0.017%
2	3.931	3.910	3.949	VV	2117	27019	3.33%	0.075%
3	3.958	3.949	3.970	VV	1027	9495	1.17%	0.026%
4	3.986	3.970	3.997	VV	1928	18724	2.31%	0.052%
5	4.011	3.997	4.054	VV	2829	37704	4.65%	0.105%
6	4.098	4.054	4.130	PV	5298	85811	10.58%	0.238%
7	4.156	4.130	4.182	PV	2589	42367	5.22%	0.117%
8	4.213	4.182	4.241	VV	8106	104043	12.83%	0.288%
9	4.259	4.241	4.283	VV	5327	78486	9.68%	0.218%
10	4.297	4.283	4.315	VV	4011	47112	5.81%	0.131%
11	4.326	4.315	4.342	VV	1562	15898	1.96%	0.044%
12	4.359	4.342	4.394	VV	1785	26852	3.31%	0.074%
13	4.415	4.394	4.433	VV	3607	33220	4.10%	0.092%
14	4.461	4.433	4.522	VV	4504	108422	13.37%	0.301%
15	4.555	4.522	4.575	VV	6680	77781	9.59%	0.216%
16	4.593	4.575	4.603	VV	1714	21412	2.64%	0.059%
17	4.625	4.603	4.646	VV	3382	59129	7.29%	0.164%
18	4.664	4.646	4.686	VV	3221	46617	5.75%	0.129%
19	4.705	4.686	4.731	VV	1829	32941	4.06%	0.091%
20	4.758	4.731	4.773	VV	5556	75737	9.34%	0.210%
21	4.789	4.773	4.820	VV	6387	102472	12.64%	0.284%
22	4.830	4.820	4.878	VV	2663	48010	5.92%	0.133%
23	4.911	4.878	4.934	VV	4374	79240	9.77%	0.220%
24	4.955	4.934	4.977	VV	4524	73248	9.03%	0.203%
25	4.988	4.977	4.999	VV	2177	26569	3.28%	0.074%
26	5.014	4.999	5.063	VV	2007	60070	7.41%	0.167%
27	5.081	5.063	5.110	VV	3015	49003	6.04%	0.136%
28	5.132	5.110	5.151	VV	1544	31083	3.83%	0.086%
29	5.177	5.151	5.210	VV	5450	127697	15.75%	0.354%
30	5.247	5.238	5.261	VV	5872	69044	8.51%	0.191%
31	5.279	5.261	5.298	VV	21347	215219	26.54%	0.597%
32	5.316	5.298	5.329	VV	13686	150060	18.50%	0.416%
33	5.337	5.329	5.354	VV	8239	95122	11.73%	0.264%
34	5.367	5.354	5.379	VV	7482	78821	9.72%	0.219%
35	5.454	5.433	5.503	VV	13974	254612	31.39%	0.706%
36	5.527	5.503	5.548	VV	12404	159508	19.67%	0.442%

rteres

37	5.569	5.548	5.584	VV	5337	84057	10.36%	0.233%
38	5.601	5.584	5.632	VV	7094	138669	17.10%	0.384%
39	5.661	5.632	5.675	VV	7189	108709	13.40%	0.301%
40	5.757	5.730	5.772	VV	8488	119714	14.76%	0.332%
41	5.787	5.772	5.802	VV	8476	109149	13.46%	0.303%
42	5.813	5.802	5.829	VV	6620	88550	10.92%	0.245%
43	5.838	5.829	5.851	VV	4502	47060	5.80%	0.130%
44	5.876	5.851	5.889	VV	4424	88564	10.92%	0.246%
45	5.912	5.889	5.942	VV	11925	219708	27.09%	0.609%
46	6.041	6.026	6.059	VV	8827	141585	17.46%	0.393%
47	6.069	6.059	6.099	VV	6211	116381	14.35%	0.323%
48	6.126	6.099	6.138	VV	7541	133065	16.41%	0.369%
49	6.155	6.138	6.176	VV	16546	199437	24.59%	0.553%
50	6.193	6.176	6.229	VV	9759	188296	23.22%	0.522%
51	6.263	6.229	6.273	VV	8496	159707	19.69%	0.443%
52	6.372	6.354	6.391	VV	12189	186734	23.02%	0.518%
53	6.412	6.391	6.423	VV	20585	248016	30.58%	0.688%
54	6.434	6.423	6.460	VV	22422	287346	35.43%	0.797%
55	6.479	6.460	6.514	VV	12000	231060	28.49%	0.641%
56	6.590	6.571	6.619	VV	10266	190329	23.47%	0.528%
57	6.641	6.619	6.660	VV	14616	235235	29.01%	0.652%
58	6.681	6.660	6.716	VV	14839	347193	42.81%	0.963%
59	6.744	6.716	6.762	VV	8389	190782	23.52%	0.529%
60	6.773	6.762	6.780	VV	6740	68885	8.49%	0.191%
61	6.798	6.780	6.821	VV	11241	236482	29.16%	0.656%
62	6.830	6.821	6.860	VV	10326	188974	23.30%	0.524%
63	6.897	6.860	6.927	VV	11061	361307	44.55%	1.002%
64	6.970	6.927	6.994	VV	14050	451256	55.64%	1.251%
65	7.013	6.994	7.036	VV	16990	277837	34.26%	0.770%
66	7.070	7.036	7.104	VV	13537	406188	50.08%	1.126%
67	7.117	7.104	7.137	VV	11057	192889	23.78%	0.535%
68	7.159	7.137	7.180	VV	13026	252010	31.07%	0.699%
69	7.221	7.180	7.234	VV	10351	292084	36.01%	0.810%
70	7.250	7.234	7.261	VV	13403	183803	22.66%	0.510%
71	7.281	7.261	7.305	VV	51072	644310	79.45%	1.786%
72	7.336	7.305	7.344	VV	19075	368058	45.38%	1.020%
73	7.351	7.344	7.385	VV	19252	296491	36.56%	0.822%
74	7.416	7.385	7.440	VV	18523	379434	46.79%	1.052%
75	7.466	7.440	7.503	VV	28214	543377	67.00%	1.506%
76	7.595	7.567	7.617	VV	14796	338476	41.73%	0.938%
77	7.652	7.617	7.665	VV	14368	361206	44.54%	1.001%
78	7.674	7.665	7.686	VV	12864	151243	18.65%	0.419%
79	7.754	7.737	7.770	VV	14186	218956	27.00%	0.607%
80	7.782	7.770	7.798	VV	10820	164440	20.28%	0.456%
81	7.841	7.798	7.859	VV	57071	768262	94.73%	2.130%
82	7.899	7.889	7.926	VV	15490	269167	33.19%	0.746%
83	7.951	7.926	7.974	VV	19251	379935	46.85%	1.053%
84	7.999	7.974	8.017	VV	13563	289324	35.67%	0.802%
85	8.084	8.069	8.094	VV	11003	159269	19.64%	0.442%
86	8.171	8.143	8.200	VV	15658	468708	57.79%	1.299%
87	8.277	8.265	8.307	VV	13898	289829	35.74%	0.803%
88	8.323	8.307	8.356	VV	11895	282479	34.83%	0.783%
89	8.383	8.356	8.402	VV	18602	386266	47.63%	1.071%

90	8.521	8.502	8.536	VV	16521	266680	32.88%	0.739%
91	8.545	8.536	8.561	VV	13354	174508	21.52%	0.484%
92	8.592	8.561	8.609	VV	11556	298068	36.75%	0.826%
93	8.643	8.609	8.658	VV	14052	334769	41.28%	0.928%
94	8.669	8.658	8.683	VV	12133	170391	21.01%	0.472%
95	8.699	8.683	8.715	VV	14185	227313	28.03%	0.630%
96	8.759	8.737	8.784	VV	51951	673483	83.04%	1.867%
97	8.855	8.837	8.875	VV	16261	283741	34.99%	0.787%
98	8.890	8.875	8.901	VV	12715	179221	22.10%	0.497%
99	8.911	8.901	8.931	VV	12267	211794	26.11%	0.587%
100	8.946	8.931	8.963	VV	13387	226065	27.87%	0.627%
101	9.032	9.014	9.041	VV	13594	185676	22.89%	0.515%
102	9.049	9.041	9.066	VV	13453	183737	22.66%	0.509%
103	9.081	9.066	9.099	VV	13635	230847	28.46%	0.640%
104	9.127	9.099	9.154	VV	30950	544527	67.14%	1.510%
105	9.174	9.154	9.198	VV	10785	258066	31.82%	0.715%
106	9.357	9.339	9.377	VV	13204	248319	30.62%	0.688%
107	9.392	9.377	9.400	VV	9696	126519	15.60%	0.351%
108	9.422	9.400	9.442	VV	20952	348249	42.94%	0.965%
109	9.474	9.442	9.504	VV	48572	811013	100.00%	2.248%
110	9.515	9.504	9.537	VV	10316	173296	21.37%	0.480%
111	9.566	9.537	9.580	VV	10361	220362	27.17%	0.611%
112	9.596	9.580	9.606	VV	10369	150535	18.56%	0.417%
113	9.707	9.673	9.729	VV	13448	354757	43.74%	0.983%
114	9.744	9.729	9.758	VV	10628	175279	21.61%	0.486%
115	9.772	9.758	9.787	VV	9965	162201	20.00%	0.450%
116	9.841	9.819	9.864	VV	11278	255817	31.54%	0.709%
117	9.875	9.864	9.925	VV	9458	296869	36.60%	0.823%
118	9.937	9.925	9.970	VV	7174	178809	22.05%	0.496%
119	9.992	9.970	10.024	VV	9494	255558	31.51%	0.708%
120	10.039	10.024	10.074	VV	8464	229683	28.32%	0.637%
121	10.095	10.074	10.112	VV	8958	173943	21.45%	0.482%
122	10.137	10.112	10.159	VV	12049	259882	32.04%	0.720%
123	10.177	10.159	10.191	VV	11000	184595	22.76%	0.512%
124	10.207	10.191	10.235	VV	12140	235972	29.10%	0.654%
125	10.254	10.235	10.274	VV	8183	174927	21.57%	0.485%
126	10.291	10.274	10.341	VV	10791	297488	36.68%	0.825%
127	10.375	10.341	10.420	VV	6285	272999	33.66%	0.757%
128	10.452	10.420	10.464	VV	6910	158913	19.59%	0.441%
129	10.492	10.464	10.525	VV	9668	288972	35.63%	0.801%
130	10.536	10.525	10.552	VV	7105	108266	13.35%	0.300%
131	10.601	10.584	10.617	VV	8324	141371	17.43%	0.392%
132	10.633	10.617	10.688	VV	7518	266648	32.88%	0.739%
133	10.708	10.688	10.722	VV	6096	111753	13.78%	0.310%
134	10.741	10.722	10.781	VV	6069	203100	25.04%	0.563%
135	10.875	10.840	10.889	VV	5704	155839	19.22%	0.432%
136	10.984	10.952	10.999	VV	6197	163336	20.14%	0.453%
137	11.010	10.999	11.041	VV	5748	137438	16.95%	0.381%
138	11.069	11.041	11.103	VV	6222	199121	24.55%	0.552%
139	11.120	11.103	11.140	VV	4818	102068	12.59%	0.283%
140	11.252	11.231	11.290	VV	6722	207163	25.54%	0.574%
141	11.338	11.290	11.371	VV	41069	703996	86.80%	1.952%

142	11.385	11.371	11.419	VV	6604	162817	20.08%	0.451%
143	11.434	11.419	11.443	VV	4795	67763	8.36%	0.188%
144	11.476	11.443	11.497	VV	5309	158763	19.58%	0.440%
145	11.523	11.497	11.539	VV	5684	126382	15.58%	0.350%
146	11.550	11.539	11.573	VV	5132	98918	12.20%	0.274%
147	11.659	11.623	11.708	VV	7656	274911	33.90%	0.762%
148	11.722	11.708	11.734	VV	4497	68897	8.50%	0.191%
149	11.758	11.734	11.777	VV	4976	122863	15.15%	0.341%
150	11.826	11.811	11.854	VV	4986	121865	15.03%	0.338%
151	11.873	11.854	11.888	VV	4758	91441	11.27%	0.253%
152	11.995	11.983	12.014	VV	4833	86944	10.72%	0.241%
153	12.057	12.014	12.104	VV	22380	466165	57.48%	1.292%
154	12.118	12.104	12.147	VV	4721	111490	13.75%	0.309%
155	12.230	12.189	12.250	VV	5231	164501	20.28%	0.456%
156	12.265	12.250	12.314	VV	4807	163194	20.12%	0.452%
157	12.407	12.389	12.422	VV	3944	73417	9.05%	0.204%
158	12.454	12.422	12.467	VV	4084	105888	13.06%	0.294%
159	12.521	12.467	12.539	VV	4439	180186	22.22%	0.500%
160	12.555	12.539	12.573	VV	4129	80328	9.90%	0.223%
161	12.653	12.639	12.691	VV	4257	121042	14.92%	0.336%
162	12.741	12.691	12.756	VV	4293	151041	18.62%	0.419%
163	12.766	12.756	12.804	VV	4029	107602	13.27%	0.298%
164	12.831	12.804	12.844	VV	3716	84749	10.45%	0.235%
165	12.859	12.844	12.880	VV	3667	72873	8.99%	0.202%
166	12.920	12.880	12.969	VV	3777	181197	22.34%	0.502%
167	12.981	12.969	13.010	VV	3362	80169	9.89%	0.222%
168	13.022	13.010	13.043	VV	3155	61089	7.53%	0.169%
169	13.066	13.043	13.084	VV	3405	75367	9.29%	0.209%
170	13.094	13.084	13.111	VV	3147	50110	6.18%	0.139%
171	13.136	13.111	13.164	VV	3553	105712	13.03%	0.293%
172	13.190	13.164	13.224	VV	4256	125220	15.44%	0.347%
173	13.270	13.224	13.316	VV	4065	177155	21.84%	0.491%
174	13.332	13.316	13.354	VV	3010	65324	8.05%	0.181%
175	13.373	13.354	13.394	VV	3015	69372	8.55%	0.192%
176	13.413	13.394	13.474	VV	3400	136286	16.80%	0.378%
177	13.544	13.526	13.578	VV	2643	78267	9.65%	0.217%
178	13.593	13.578	13.618	VV	2663	59965	7.39%	0.166%
179	13.643	13.618	13.681	VV	2474	89735	11.06%	0.249%
180	13.763	13.741	13.794	VV	4129	104500	12.89%	0.290%
181	13.871	13.864	13.884	VV	2248	26437	3.26%	0.073%
182	13.918	13.884	13.956	VV	2419	97706	12.05%	0.271%
183	14.045	14.029	14.070	VV	2120	50142	6.18%	0.139%
184	14.147	14.129	14.178	VV	2162	59116	7.29%	0.164%
185	14.199	14.178	14.257	VV	2074	91500	11.28%	0.254%
186	14.369	14.344	14.408	VV	2316	76401	9.42%	0.212%
187	14.420	14.408	14.434	VV	1770	26964	3.32%	0.075%
188	14.454	14.434	14.478	VV	1898	46581	5.74%	0.129%
189	14.499	14.478	14.523	VV	1787	47160	5.81%	0.131%
190	14.543	14.523	14.564	VV	1832	42623	5.26%	0.118%
191	14.599	14.564	14.631	VV	1793	67534	8.33%	0.187%
192	14.861	14.808	14.895	VV	1673	83092	10.25%	0.230%
193	14.912	14.895	14.923	VV	1617	25984	3.20%	0.072%
194	14.939	14.923	14.987	VV	1600	59608	7.35%	0.165%

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195	15.092	15.068	15.111	HH	1639	40284	4.97%	0.112%
196	15.148	15.111	15.206	HH	1860	91542	11.29%	0.254%
197	15.302	15.290	15.354	HH	1554	54222	6.69%	0.150%
198	15.472	15.465	15.521	HH	1403	45055	5.56%	0.125%
199	15.794	15.784	15.841	HH	1406	44849	5.53%	0.124%
200	15.850	15.841	15.874	HH	1322	25090	3.09%	0.070%
201	15.955	15.934	15.987	HH	1355	41694	5.14%	0.116%
202	16.221	16.199	16.228	HH	1348	22246	2.74%	0.062%
203	16.253	16.228	16.305	HH	1378	62193	7.67%	0.172%
204	16.330	16.305	16.359	HH	1531	45140	5.57%	0.125%
205	16.478	16.471	16.498	HH	1422	22655	2.79%	0.063%
206	16.521	16.498	16.554	HH	1452	48512	5.98%	0.134%
207	16.897	16.839	16.925	HH	1745	83309	10.27%	0.231%
208	16.957	16.925	16.981	HH	1672	53356	6.58%	0.148%
209	17.272	17.134	17.348	VV	1289	156986	19.36%	0.435%
210	17.401	17.348	17.440	VV	1088	57000	7.03%	0.158%
211	17.516	17.440	17.558	VV	1074	63364	7.81%	0.176%
212	17.970	17.825	18.000	VV	998	66261	8.17%	0.184%
213	18.069	18.000	18.108	VV	581	31698	3.91%	0.088%
214	18.121	18.108	18.163	VV	467	13397	1.65%	0.037%
215	18.338	18.163	18.358	VV	526	42010	5.18%	0.116%
216	18.402	18.358	18.458	VV	1008	28065	3.46%	0.078%
217	18.590	18.458	18.643	VV	519	28187	3.48%	0.078%
218	18.671	18.643	18.712	VV	299	7473	0.92%	0.021%
219	18.823	18.712	18.877	VV	882	26377	3.25%	0.073%
220	18.955	18.877	19.015	VV	644	18283	2.25%	0.051%
221	19.096	19.015	19.144	VV	150	6366	0.78%	0.018%
222	19.232	19.144	19.271	PV	1000	19053	2.35%	0.053%
223	19.427	19.271	19.454	VV	203	17684	2.18%	0.049%
224	19.627	19.454	19.681	PV	964	33429	4.12%	0.093%
225	19.706	19.681	19.723	VV	184	3678	0.45%	0.010%
226	20.012	19.723	20.034	VV	1208	85730	10.57%	0.238%
227	20.435	20.410	20.481	VV	1879	73054	9.01%	0.203%
			Sum of corrected areas:			36071596		

Aliphatic EPH 020325.M Mon Feb 10 06:01:44 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-9DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-08DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
FF015505.D	25	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	182		8.29	18.4	mg/kg
Aromatic C12-C16	Aromatic C12-C16	548		9.40	27.6	mg/kg
Aromatic C16-C21	Aromatic C16-C21	660		26.5	46.1	mg/kg
Aromatic C21-C36	Aromatic C21-C36	56.4	J	55.3	73.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	3.79		40 - 140	190%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	2.15		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.27		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:	Q1308-08DL2	Acq On:	08 Feb 2025 02:22
Client Sample ID:	EX-11-TPH-9DL2	Operator:	YP\AJ
Data file:	FF015505.D	Misc:	
Instrument:	FID_F	ALS Vial:	89
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	13702312	99.204	200	ug/ml
Aromatic C12-C16	6.375	9.068	39895721	297.363	300	ug/ml
Aromatic C16-C21	9.069	13.385	44136227	358.247	500	ug/ml
Aromatic C21-C36	13.386	18.838	3603354	30.595	800	ug/ml
Aromatic EPH	4.505	18.838	101337614	785.409		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	299835	2.27		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	450403	3.79		ug/ml
2-Flurobiphenyl (SURR)	8.873	8.873	163378	2.15		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015505.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 02:22
Operator : YP\AJ
Sample : Q1308-08DL2 25X
Misc :
ALS Vial : 89 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-9DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.997	450403	3.790 ug/mlm
Spiked Amount 50.000		Recovery =	7.58%
6) S 2-Flurobiphenyl (SURR)	8.873	163378	2.151 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	4.30%
11) S ortho-Terphenyl (SURR)	11.931	299835	2.274 ug/mlm
Spiked Amount 50.000		Recovery =	4.55%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015505.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 02:22
Operator : YP\AJ
Sample : Q1308-08DL2 25X
Misc :
ALS Vial : 89 Sample Multiplier: 1

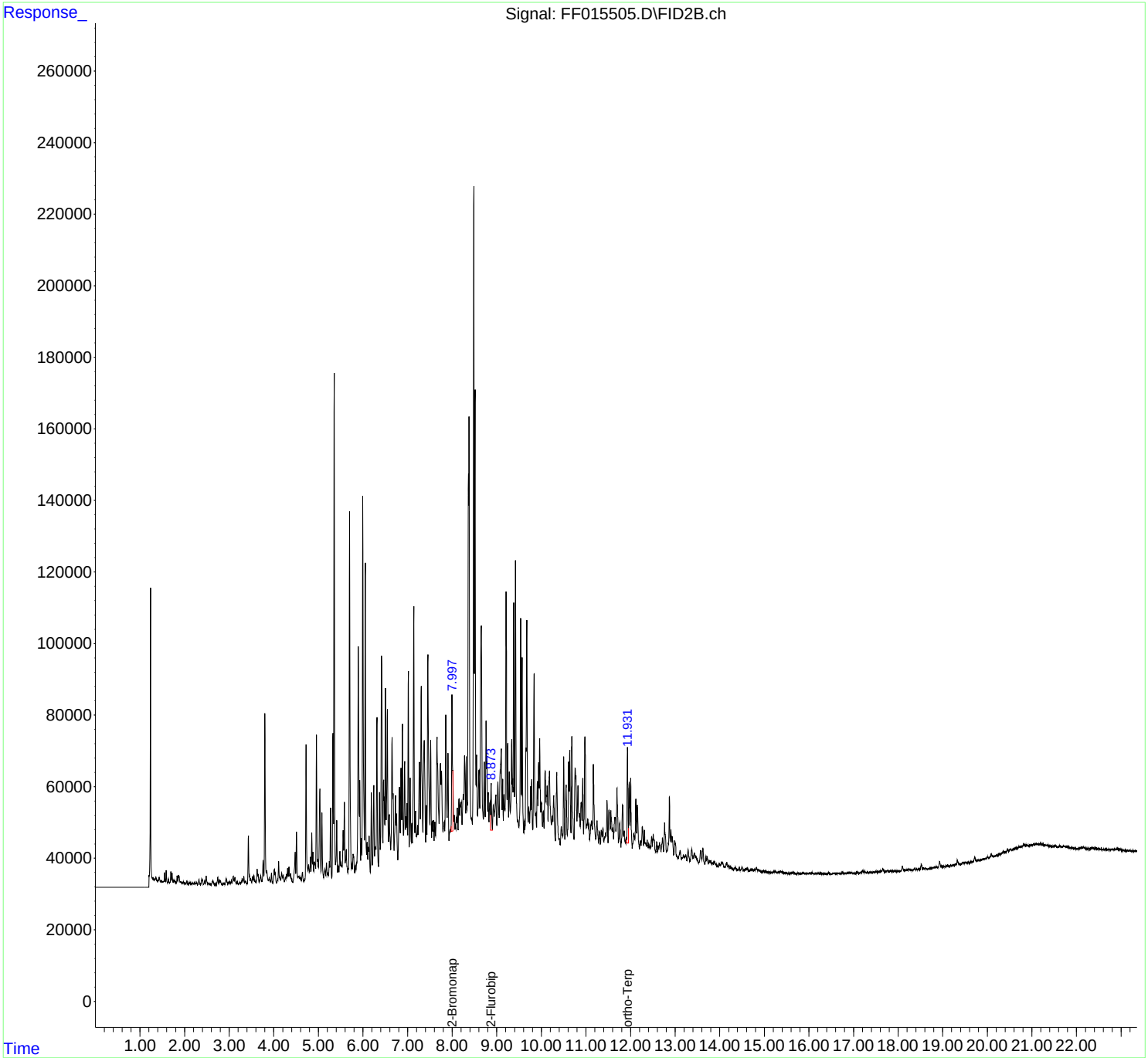
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL2

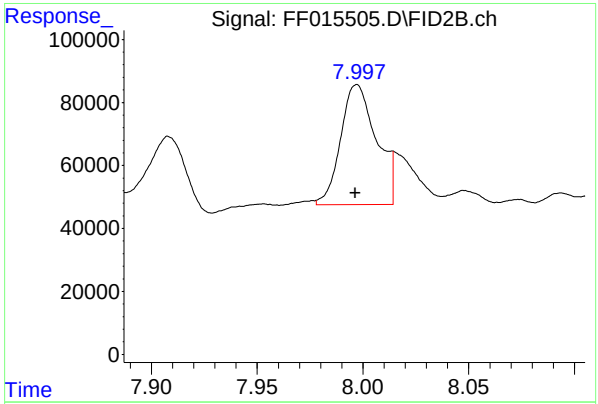
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





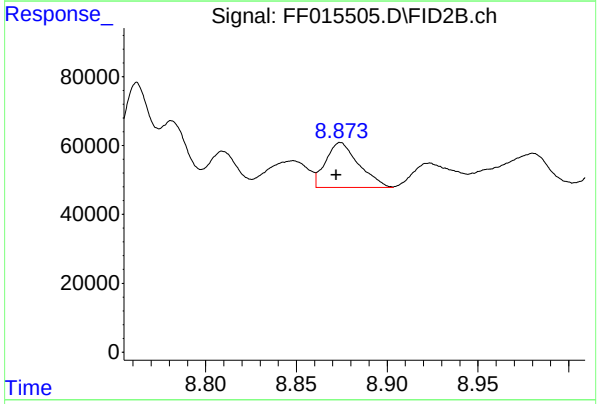
#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: 0.000 mi
Response: 450403
Conc: 3.79 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL2

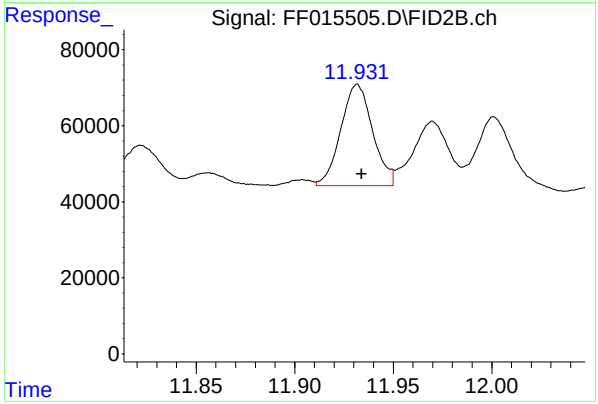
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: 0.002 min
Response: 163378
Conc: 2.15 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.002 min
Response: 299835
Conc: 2.27 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015505.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 02:22
Sample : Q1308-08DL2 25X
Misc :
ALS Vial : 89 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.479	4.411	4.493	BV	8012	112593	4.68%	0.110%
2	4.510	4.493	4.537	VV	13717	159626	6.64%	0.155%
3	4.551	4.537	4.593	VV	1290	32997	1.37%	0.032%
4	4.603	4.593	4.619	VV	931	9951	0.41%	0.010%
5	4.643	4.619	4.682	VV	2404	34590	1.44%	0.034%
6	4.724	4.682	4.766	PV	38141	456806	18.99%	0.445%
7	4.780	4.766	4.804	VV	4615	80339	3.34%	0.078%
8	4.824	4.804	4.837	VV	6734	87755	3.65%	0.085%
9	4.853	4.837	4.866	VV	13516	146588	6.09%	0.143%
10	4.877	4.866	4.894	VV	8145	93546	3.89%	0.091%
11	4.912	4.894	4.924	VV	5393	78770	3.27%	0.077%
12	4.930	4.924	4.939	VV	4742	39006	1.62%	0.038%
13	4.958	4.939	4.979	VV	40827	449126	18.67%	0.437%
14	4.985	4.979	4.999	VV	6072	64507	2.68%	0.063%
15	5.033	4.999	5.060	VV	25821	441615	18.36%	0.430%
16	5.080	5.060	5.119	VV	19092	245183	10.19%	0.239%
17	5.148	5.119	5.165	VV	3292	63579	2.64%	0.062%
18	5.183	5.165	5.202	VV	5088	73310	3.05%	0.071%
19	5.211	5.202	5.225	VV	2293	26737	1.11%	0.026%
20	5.247	5.225	5.256	VV	5441	67370	2.80%	0.066%
21	5.273	5.256	5.302	VV	20298	231380	9.62%	0.225%
22	5.326	5.302	5.338	VV	41300	415158	17.26%	0.404%
23	5.355	5.338	5.383	VV	141857	1491174	61.99%	1.453%
24	5.413	5.383	5.431	VV	16839	234594	9.75%	0.229%
25	5.446	5.431	5.463	VV	4169	63436	2.64%	0.062%
26	5.483	5.463	5.500	VV	8223	127713	5.31%	0.124%
27	5.508	5.500	5.521	VV	4996	56154	2.33%	0.055%
28	5.528	5.521	5.534	VV	4225	31919	1.33%	0.031%
29	5.556	5.534	5.568	VV	14105	191485	7.96%	0.187%
30	5.584	5.568	5.602	VV	21901	269313	11.20%	0.262%
31	5.626	5.602	5.660	VV	8784	183263	7.62%	0.179%
32	5.700	5.660	5.740	VV	103042	1288836	53.58%	1.255%
33	5.751	5.740	5.762	VV	4561	52068	2.16%	0.051%
34	5.780	5.762	5.814	VV	7418	163103	6.78%	0.159%
35	5.833	5.814	5.845	VV	4183	63135	2.62%	0.061%
36	5.896	5.845	5.919	VV	65341	1032102	42.91%	1.005%

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37	5.930	5.919	5.949	VV	27963	313140	13.02%	0.305%
38	5.965	5.949	5.977	VV	11806	151236	6	
39	5.996	5.977	6.034	VV	107328	1481453	61	
40	6.052	6.034	6.082	VV	88641	991863	41	
41	6.094	6.082	6.107	VV	10684	125745	5	
42	6.119	6.107	6.127	VV	9298	96755	4	
43	6.139	6.127	6.165	VV	12404	175739	7.31%	0.171%
44	6.189	6.165	6.210	VV	24460	305691	12.71%	0.298%
45	6.243	6.210	6.261	VV	26529	412374	17.14%	0.402%
46	6.284	6.261	6.292	VV	9535	161554	6.72%	0.157%
47	6.313	6.292	6.348	VV	45542	623730	25.93%	0.608%
48	6.372	6.348	6.389	VV	24587	316798	13.17%	0.309%
49	6.417	6.389	6.447	VV	62507	1154104	47.98%	1.124%
50	6.462	6.447	6.473	VV	28043	323930	13.47%	0.316%
51	6.478	6.473	6.489	VV	23282	207798	8.64%	0.202%
52	6.505	6.489	6.521	VV	53715	620202	25.78%	0.604%
53	6.547	6.521	6.575	VV	47664	838130	34.84%	0.816%
54	6.590	6.575	6.622	VV	18319	366336	15.23%	0.357%
55	6.653	6.622	6.670	VV	39809	668742	27.80%	0.651%
56	6.676	6.670	6.698	VV	24099	287956	11.97%	0.280%
57	6.729	6.698	6.741	VV	23702	405302	16.85%	0.395%
58	6.752	6.741	6.783	VV	18512	319827	13.30%	0.312%
59	6.819	6.783	6.835	VV	25919	515347	21.43%	0.502%
60	6.854	6.835	6.869	VV	31297	480801	19.99%	0.468%
61	6.885	6.869	6.910	VV	43544	639212	26.57%	0.623%
62	6.935	6.910	6.952	VV	33245	543726	22.61%	0.530%
63	6.962	6.952	6.972	VV	17792	193552	8.05%	0.189%
64	6.986	6.972	7.001	VV	21411	299433	12.45%	0.292%
65	7.018	7.001	7.039	VV	58220	693390	28.83%	0.675%
66	7.059	7.039	7.083	VV	28466	473025	19.67%	0.461%
67	7.096	7.083	7.108	VV	15789	187907	7.81%	0.183%
68	7.141	7.108	7.164	VV	76178	1114132	46.32%	1.085%
69	7.180	7.164	7.197	VV	19271	312639	13.00%	0.305%
70	7.205	7.197	7.211	VV	12587	99560	4.14%	0.097%
71	7.226	7.211	7.238	VV	15328	222560	9.25%	0.217%
72	7.266	7.238	7.288	VV	32830	698643	29.05%	0.681%
73	7.307	7.288	7.343	VV	53939	1039312	43.21%	1.012%
74	7.374	7.343	7.406	VV	38906	998108	41.50%	0.972%
75	7.421	7.406	7.434	VV	20783	268698	11.17%	0.262%
76	7.455	7.434	7.500	VV	62636	1320700	54.91%	1.286%
77	7.520	7.500	7.540	VV	39010	591217	24.58%	0.576%
78	7.554	7.540	7.567	VV	16427	237583	9.88%	0.231%
79	7.580	7.567	7.596	VV	16563	241784	10.05%	0.236%
80	7.613	7.596	7.629	VV	16016	270014	11.23%	0.263%
81	7.660	7.629	7.708	VV	39820	1160157	48.23%	1.130%
82	7.737	7.708	7.749	VV	32497	639464	26.59%	0.623%
83	7.763	7.749	7.795	VV	30254	618679	25.72%	0.603%
84	7.822	7.795	7.835	VV	16134	349840	14.54%	0.341%
85	7.858	7.835	7.888	VV	46053	890045	37.00%	0.867%
86	7.908	7.888	7.929	VV	35226	578600	24.05%	0.564%
87	7.953	7.929	7.960	VV	13706	241327	10.03%	0.235%
88	7.997	7.960	8.038	VV	51666	1212352	50.40%	1.181%
89	8.048	8.038	8.064	VV	17988	257988	10.73%	0.251%

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90	8.074	8.064	8.081	VV	15111	148816	6.19%	0.145%
91	8.094	8.081	8.102	VV	17204	203362	8	
92	8.116	8.102	8.133	VV	19968	321894	13	
93	8.152	8.133	8.170	VV	22452	419813	17	
94	8.184	8.170	8.193	VV	20849	272269	11	
95	8.204	8.193	8.223	VV	21551	349459	14	
96	8.252	8.223	8.262	VV	23769	481994	20.04%	0.469%
97	8.279	8.262	8.303	VV	34476	671065	27.90%	0.654%
98	8.317	8.303	8.331	VV	34282	445411	18.52%	0.434%
99	8.365	8.331	8.371	VV	112439	1285225	53.43%	1.252%
100	8.380	8.371	8.454	VV	128790	2079861	86.47%	2.026%
101	8.486	8.454	8.501	VV	193118	2405334	100.00%	2.343%
102	8.514	8.501	8.535	VV	136697	1602503	66.62%	1.561%
103	8.548	8.535	8.569	VV	34498	567773	23.60%	0.553%
104	8.601	8.569	8.620	VV	30404	721365	29.99%	0.703%
105	8.653	8.620	8.702	VV	70737	1929397	80.21%	1.879%
106	8.721	8.702	8.742	VV	32667	562385	23.38%	0.548%
107	8.762	8.742	8.775	VV	44154	622016	25.86%	0.606%
108	8.781	8.775	8.798	VV	33025	383610	15.95%	0.374%
109	8.809	8.798	8.826	VV	24176	340754	14.17%	0.332%
110	8.848	8.826	8.861	VV	21325	407048	16.92%	0.396%
111	8.874	8.861	8.903	VV	26674	514404	21.39%	0.501%
112	8.923	8.903	8.945	VV	20616	449299	18.68%	0.438%
113	8.980	8.945	9.003	VV	23519	682597	28.38%	0.665%
114	9.027	9.003	9.055	VV	27160	658297	27.37%	0.641%
115	9.101	9.055	9.120	VV	36232	1094624	45.51%	1.066%
116	9.133	9.120	9.148	VV	27792	380915	15.84%	0.371%
117	9.162	9.148	9.184	VV	23542	434924	18.08%	0.424%
118	9.211	9.184	9.231	VV	80301	1231052	51.18%	1.199%
119	9.247	9.231	9.267	VV	37815	599779	24.94%	0.584%
120	9.284	9.267	9.305	VV	29922	525856	21.86%	0.512%
121	9.336	9.305	9.350	VV	38814	727273	30.24%	0.708%
122	9.356	9.350	9.364	VV	27698	219088	9.11%	0.213%
123	9.381	9.364	9.399	VV	77089	995783	41.40%	0.970%
124	9.422	9.399	9.469	VV	88822	1539682	64.01%	1.500%
125	9.475	9.469	9.494	VV	16222	238373	9.91%	0.232%
126	9.538	9.494	9.555	VV	72656	1208079	50.23%	1.177%
127	9.570	9.555	9.605	VV	61599	930456	38.68%	0.906%
128	9.618	9.605	9.633	VV	16058	243222	10.11%	0.237%
129	9.675	9.633	9.704	VV	72227	1518677	63.14%	1.479%
130	9.720	9.704	9.737	VV	19954	352093	14.64%	0.343%
131	9.759	9.737	9.771	VV	25624	417507	17.36%	0.407%
132	9.784	9.771	9.807	VV	27621	442532	18.40%	0.431%
133	9.838	9.807	9.869	VV	57159	1083852	45.06%	1.056%
134	9.878	9.869	9.893	VV	18162	237537	9.88%	0.231%
135	9.912	9.893	9.925	VV	27060	427230	17.76%	0.416%
136	9.940	9.925	9.951	VV	32368	415091	17.26%	0.404%
137	9.964	9.951	9.988	VV	39051	643826	26.77%	0.627%
138	10.002	9.988	10.026	VV	21185	426089	17.71%	0.415%
139	10.043	10.026	10.062	VV	18631	356194	14.81%	0.347%
140	10.085	10.062	10.106	VV	29975	615174	25.58%	0.599%
141	10.133	10.106	10.150	VV	25789	600948	24.98%	0.585%

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142	10.183	10.150	10.227	VV	30020	1008056	41.91%	0.982%
143	10.246	10.227	10.257	VV	17297	301346	12	
144	10.278	10.257	10.313	VV	23094	570606	23	
145	10.345	10.313	10.393	VV	29531	850469	35	
146	10.400	10.393	10.425	VV	11109	196075	8	
147	10.447	10.425	10.461	VV	14309	264041	10	
148	10.467	10.461	10.479	VV	12278	130993	5.45%	0.128%
149	10.504	10.479	10.529	VV	33721	577763	24.02%	0.563%
150	10.556	10.529	10.583	VV	25951	567531	23.59%	0.553%
151	10.611	10.583	10.624	VV	32497	546136	22.71%	0.532%
152	10.639	10.624	10.665	VV	35720	618052	25.70%	0.602%
153	10.684	10.665	10.730	VV	39569	836730	34.79%	0.815%
154	10.758	10.730	10.771	VV	30575	534562	22.22%	0.521%
155	10.776	10.771	10.800	VV	28458	405301	16.85%	0.395%
156	10.821	10.800	10.849	VV	25690	585969	24.36%	0.571%
157	10.856	10.849	10.871	VV	17934	216596	9.00%	0.211%
158	10.894	10.871	10.911	VV	21017	440252	18.30%	0.429%
159	10.929	10.911	10.948	VV	27692	451344	18.76%	0.440%
160	10.979	10.948	11.006	VV	39341	851536	35.40%	0.829%
161	11.039	11.006	11.055	VV	16393	442963	18.42%	0.431%
162	11.065	11.055	11.084	VV	14990	229216	9.53%	0.223%
163	11.125	11.084	11.145	VV	15827	502706	20.90%	0.490%
164	11.167	11.145	11.227	VV	31607	860722	35.78%	0.838%
165	11.247	11.227	11.281	VV	15798	421436	17.52%	0.411%
166	11.301	11.281	11.323	VV	12800	277034	11.52%	0.270%
167	11.346	11.323	11.364	VV	13210	285725	11.88%	0.278%
168	11.381	11.364	11.402	VV	13771	276631	11.50%	0.269%
169	11.441	11.402	11.450	VV	12525	326220	13.56%	0.318%
170	11.474	11.450	11.496	VV	21528	435019	18.09%	0.424%
171	11.515	11.496	11.544	VV	18789	451281	18.76%	0.440%
172	11.560	11.544	11.622	VV	18721	678157	28.19%	0.661%
173	11.653	11.622	11.672	VV	16755	449692	18.70%	0.438%
174	11.695	11.672	11.729	VV	24849	595185	24.74%	0.580%
175	11.760	11.729	11.783	VV	15203	380281	15.81%	0.370%
176	11.822	11.783	11.844	VV	20206	498243	20.71%	0.485%
177	11.856	11.844	11.889	VV	12930	300469	12.49%	0.293%
178	11.904	11.889	11.911	VV	11125	135511	5.63%	0.132%
179	11.932	11.911	11.951	VV	36239	532790	22.15%	0.519%
180	11.970	11.951	11.985	VV	26458	408383	16.98%	0.398%
181	12.001	11.985	12.037	VV	27656	507322	21.09%	0.494%
182	12.072	12.037	12.096	VV	12229	375500	15.61%	0.366%
183	12.118	12.096	12.135	VV	21854	366701	15.25%	0.357%
184	12.152	12.135	12.199	VV	20086	511469	21.26%	0.498%
185	12.220	12.199	12.237	VV	10145	205526	8.54%	0.200%
186	12.265	12.237	12.289	VV	14096	359868	14.96%	0.351%
187	12.309	12.289	12.329	VV	13100	255442	10.62%	0.249%
188	12.340	12.329	12.357	VV	9543	153036	6.36%	0.149%
189	12.372	12.357	12.394	VV	10297	203397	8.46%	0.198%
190	12.409	12.394	12.437	VV	9265	220902	9.18%	0.215%
191	12.472	12.437	12.487	VV	11109	277232	11.53%	0.270%
192	12.507	12.487	12.524	VV	11956	232427	9.66%	0.226%
193	12.528	12.524	12.558	VV	10344	176883	7.35%	0.172%
194	12.586	12.558	12.606	VV	9750	233858	9.72%	0.228%

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195	12.622	12.606	12.633	VV	8627	129697	5.39%	0.126%
196	12.651	12.633	12.682	VV	9497	251713	10	
197	12.716	12.682	12.741	VV	10811	309163	12	
198	12.762	12.741	12.811	VV	15094	431156	17	
199	12.871	12.811	12.891	VV	22199	564797	23	
200	12.907	12.891	12.925	VV	13141	229686	9	
201	12.937	12.925	12.966	VV	11146	218000	9.06%	0.212%
202	12.988	12.966	13.032	VV	9935	318768	13.25%	0.311%
203	13.042	13.032	13.073	VV	5768	130959	5.44%	0.128%
204	13.111	13.073	13.138	VV	7271	236098	9.82%	0.230%
205	13.149	13.138	13.165	VV	5194	81455	3.39%	0.079%
206	13.183	13.165	13.200	VV	6082	117048	4.87%	0.114%
207	13.208	13.200	13.219	VV	5673	63307	2.63%	0.062%
208	13.237	13.219	13.262	VV	6110	140590	5.84%	0.137%
209	13.288	13.262	13.332	VV	7419	239788	9.97%	0.234%
210	13.372	13.332	13.402	VV	7721	247561	10.29%	0.241%
211	13.426	13.402	13.456	VV	6564	185611	7.72%	0.181%
212	13.464	13.456	13.489	VV	5630	103022	4.28%	0.100%
213	13.497	13.489	13.519	VV	4732	78511	3.26%	0.076%
214	13.571	13.519	13.598	VV	7166	244925	10.18%	0.239%
215	13.620	13.598	13.664	VV	7768	208575	8.67%	0.203%
216	13.683	13.664	13.696	VV	5455	85230	3.54%	0.083%
217	13.712	13.696	13.746	VV	5571	134777	5.60%	0.131%
218	13.762	13.746	13.780	VV	4455	84020	3.49%	0.082%
219	13.791	13.780	13.828	VV	4231	111151	4.62%	0.108%
220	13.840	13.828	13.856	VV	3757	59535	2.48%	0.058%
221	13.881	13.856	13.905	VV	4086	106749	4.44%	0.104%
222	13.917	13.905	13.942	VV	3486	70136	2.92%	0.068%
223	13.950	13.942	13.966	VV	2789	37332	1.55%	0.036%
224	13.990	13.966	14.015	VV	3573	92356	3.84%	0.090%
225	14.038	14.015	14.047	VV	3804	68387	2.84%	0.067%
226	14.062	14.047	14.113	VV	3683	121777	5.06%	0.119%
227	14.118	14.113	14.125	VV	2473	17266	0.72%	0.017%
228	14.158	14.125	14.187	VV	3790	113940	4.74%	0.111%
229	14.201	14.187	14.221	VV	2984	52996	2.20%	0.052%
230	14.240	14.221	14.301	VV	2445	104241	4.33%	0.102%
231	14.335	14.301	14.343	VV	2304	49371	2.05%	0.048%
232	14.353	14.343	14.399	VV	2382	64888	2.70%	0.063%
233	14.436	14.399	14.459	VV	2045	62975	2.62%	0.061%
234	14.496	14.459	14.521	VV	2482	70553	2.93%	0.069%
235	14.549	14.521	14.567	VV	1651	43459	1.81%	0.042%
236	14.591	14.567	14.609	VV	1991	46185	1.92%	0.045%
237	14.619	14.609	14.647	VV	1954	39967	1.66%	0.039%
238	14.648	14.647	14.666	VV	1479	15015	0.62%	0.015%
239	14.701	14.666	14.709	VV	1757	39974	1.66%	0.039%
240	14.717	14.709	14.726	VV	1774	17218	0.72%	0.017%
241	14.730	14.726	14.759	VV	1782	31820	1.32%	0.031%
242	14.763	14.759	14.772	VV	1466	11302	0.47%	0.011%
243	14.823	14.772	14.847	VV	2089	76401	3.18%	0.074%
244	14.861	14.847	14.882	VV	1667	31703	1.32%	0.031%
245	14.893	14.882	14.932	VV	1428	35494	1.48%	0.035%
246	14.943	14.932	14.963	VV	1165	19726	0.82%	0.019%

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247	14.984	14.963	15.009	VV	1328	31850	1.32%	0.031%
248	15.024	15.009	15.076	VV	1211	38878	1	
249	15.083	15.076	15.109	VV	900	16454	0	
250	15.116	15.109	15.146	VV	958	18696	0	
251	15.158	15.146	15.180	VV	898	16531	0	
252	15.186	15.180	15.191	VV	766	4842	0	
253	15.228	15.191	15.245	VV	1138	30585	1.27%	0.030%
254	15.253	15.245	15.296	VV	1033	26095	1.08%	0.025%
255	15.319	15.296	15.342	VV	994	23653	0.98%	0.023%
256	15.367	15.342	15.386	VV	1065	24973	1.04%	0.024%
257	15.393	15.386	15.438	VV	995	25998	1.08%	0.025%
258	15.448	15.438	15.471	VV	696	12696	0.53%	0.012%
259	15.481	15.471	15.530	VV	839	20562	0.85%	0.020%
260	15.536	15.530	15.550	VV	474	5135	0.21%	0.005%
261	15.556	15.550	15.565	VV	460	3826	0.16%	0.004%
262	15.569	15.565	15.577	VV	488	3089	0.13%	0.003%
263	15.607	15.577	15.629	VV	684	17340	0.72%	0.017%
264	15.648	15.629	15.674	VV	839	17330	0.72%	0.017%
265	15.688	15.674	15.719	VV	506	10830	0.45%	0.011%
266	15.769	15.719	15.791	VV	617	19027	0.79%	0.019%
267	15.804	15.791	15.831	VV	470	8741	0.36%	0.009%
268	15.864	15.831	15.927	VV	638	26549	1.10%	0.026%
269	15.937	15.927	15.957	VV	392	5656	0.24%	0.006%
270	15.971	15.957	15.981	VV	456	5330	0.22%	0.005%
271	16.003	15.981	16.009	VV	501	6923	0.29%	0.007%
272	16.018	16.009	16.042	VV	596	10029	0.42%	0.010%
273	16.049	16.042	16.060	VV	485	4680	0.19%	0.005%
274	16.065	16.060	16.072	VV	491	3261	0.14%	0.003%
275	16.079	16.072	16.109	VV	489	7980	0.33%	0.008%
276	16.113	16.109	16.127	VV	332	3311	0.14%	0.003%
277	16.132	16.127	16.152	VV	366	4461	0.19%	0.004%
278	16.187	16.152	16.191	VV	457	8531	0.35%	0.008%
279	16.195	16.191	16.202	VV	429	2647	0.11%	0.003%
280	16.209	16.202	16.229	VV	464	6294	0.26%	0.006%
281	16.258	16.229	16.282	VV	478	11733	0.49%	0.011%
282	16.291	16.282	16.327	VV	448	8109	0.34%	0.008%
283	16.332	16.327	16.344	VV	240	2208	0.09%	0.002%
284	16.350	16.344	16.380	VV	323	5416	0.23%	0.005%
285	16.389	16.380	16.413	VV	343	4682	0.19%	0.005%
286	16.450	16.413	16.489	VV	492	13414	0.56%	0.013%
287	16.509	16.489	16.522	PV	273	3421	0.14%	0.003%
288	16.541	16.522	16.545	VV	404	3943	0.16%	0.004%
289	16.554	16.545	16.559	VV	450	3262	0.14%	0.003%
290	16.563	16.559	16.599	VV	435	6433	0.27%	0.006%
291	16.654	16.599	16.658	VV	305	8520	0.35%	0.008%
292	16.665	16.658	16.687	VV	305	3892	0.16%	0.004%
293	16.742	16.687	16.829	VV	540	24609	1.02%	0.024%
294	16.873	16.829	16.884	VV	336	7792	0.32%	0.008%
295	16.915	16.884	16.922	VV	430	7814	0.32%	0.008%
296	16.932	16.922	16.952	VV	403	6099	0.25%	0.006%
297	16.956	16.952	16.991	VV	363	4791	0.20%	0.005%
298	17.029	16.991	17.054	VV	274	6842	0.28%	0.007%
299	17.084	17.054	17.127	VV	425	11702	0.49%	0.011%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-9DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	17.204	17.127	17.241	PV	886	23878	0.99%	0.023%
301	17.251	17.241	17.290	VV	553	8602		
302	17.316	17.290	17.364	VV	189	5168		
303	17.373	17.364	17.386	VV	140	1436		
304	17.419	17.386	17.427	VV	206	3712		
305	17.448	17.427	17.469	VV	316	5247		
306	17.485	17.469	17.502	VV	202	3212	0.13%	0.003%
307	17.525	17.502	17.548	VV	316	6039	0.25%	0.006%
308	17.623	17.548	17.634	VV	442	13322	0.55%	0.013%
309	17.658	17.634	17.712	VV	1036	21938	0.91%	0.021%
310	17.756	17.712	17.804	VV	478	13092	0.54%	0.013%
311	17.836	17.804	17.876	VV	423	10299	0.43%	0.010%
312	17.884	17.876	17.909	VV	215	2956	0.12%	0.003%
313	17.925	17.909	17.946	VV	237	3574	0.15%	0.003%
314	17.950	17.946	17.976	VV	165	1966	0.08%	0.002%
315	18.006	17.976	18.052	PV	211	4967	0.21%	0.005%
316	18.095	18.052	18.139	VV	1430	27310	1.14%	0.027%
317	18.145	18.139	18.187	VV	343	6703	0.28%	0.007%
318	18.197	18.187	18.205	VV	219	2007	0.08%	0.002%
319	18.236	18.205	18.319	VV	489	19015	0.79%	0.019%
320	18.370	18.319	18.401	VV	545	10897	0.45%	0.011%
321	18.410	18.401	18.429	VV	163	2076	0.09%	0.002%
322	18.465	18.429	18.491	VV	276	5734	0.24%	0.006%
323	18.518	18.491	18.570	VV	1476	28070	1.17%	0.027%
324	18.609	18.570	18.652	VV	342	9327	0.39%	0.009%
325	18.695	18.652	18.731	VV	184	3900	0.16%	0.004%
326	18.786	18.731	18.801	PBA	138	4854	0.20%	0.005%

Sum of corrected areas: 102662564

Aromatic EPH 020525.M Mon Feb 10 01:53:56 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-10	SDG No.:	Q1308
Lab Sample ID:	Q1308-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/10/25 11:00	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	692		100	49.0	129	mg/kg	FE052312.D
Aliphatic C12-C16	Aliphatic C12-C16	1340		100	31.0	86.0	mg/kg	FE052312.D
Aliphatic C16-C21	Aliphatic C16-C21	472		100	38.7	129	mg/kg	FE052312.D
Aliphatic C21-C28	Aliphatic C21-C28	74.4		10	10.3	17.2	mg/kg	FE052311.D
Aliphatic C28-C40	Aliphatic C28-C40	39.4		1	2.32	2.58	mg/kg	FE052290.D
Aromatic C10-C12	Aromatic C10-C12	122		10	3.87	8.60	mg/kg	FF015506.D
Aromatic C12-C16	Aromatic C12-C16	361		20	8.78	25.8	mg/kg	FF015507.D
Aromatic C16-C21	Aromatic C16-C21	436		20	24.8	43.0	mg/kg	FF015507.D
Aromatic C21-C36	Aromatic C21-C36	46.3		1	2.58	3.44	mg/kg	FF015492.D
Total AliphaticEPH	Total AliphaticEPH	2620			131	364	mg/kg	
Total AromaticEPH	Total AromaticEPH	965			40.0	80.8	mg/kg	
Total EPH	Total EPH	3580			171	445	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-10	SDG No.:	Q1308
Lab Sample ID:	Q1308-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052290.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	588	E	0.49	1.29	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1210	E	0.31	0.86	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	401	E	0.39	1.29	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	76.5	E	1.03	1.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.4		2.32	2.58	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.1		40 - 140	98%	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:	Q1308-09	Acq On:	07 Feb 2025 14:27
Client Sample ID:	EX-11-TPH-10	Operator:	YP\AJ
Data file:	FE052290.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	657306922	6830	300	ug/ml
Aliphatic C12-C16	7.236	10.639	1472810704	14100	200	ug/ml
Aliphatic C16-C21	10.640	13.984	527737200	4670	300	ug/ml
Aliphatic C21-C28	13.985	17.628	101403257	889.512	400	ug/ml
Aliphatic C28-C40	17.629	22.712	41879579	457.433	600	ug/ml
Aliphatic EPH	3.679	22.712	2801137662	26900		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.728	13.728	4843224	49.07		ug/ml
Aliphatic C9-C28	3.679	17.628	2759258083	26500	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052290.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 14:27
Operator : YP\AJ
Sample : Q1308-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:24:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-10

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.728	4843224	49.075 ug/mlm
Spiked Amount 50.000		Recovery = 98.15%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052290.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 14:27
Operator : YP\AJ
Sample : Q1308-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

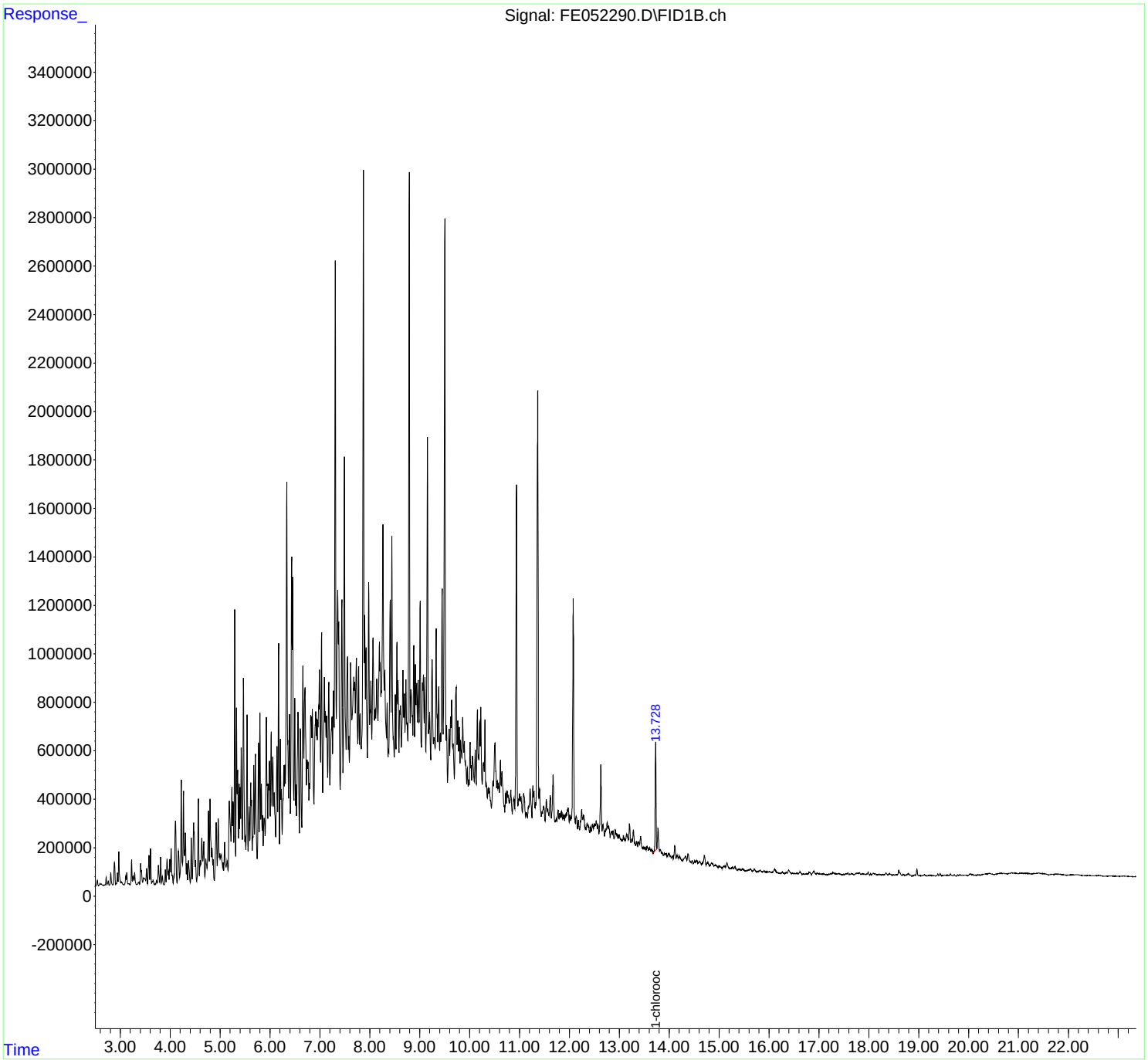
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10

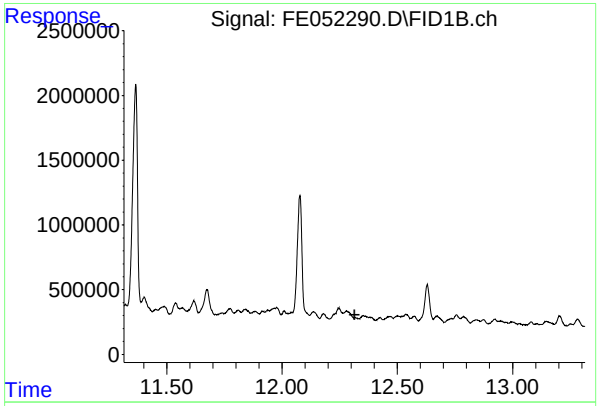
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:24:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





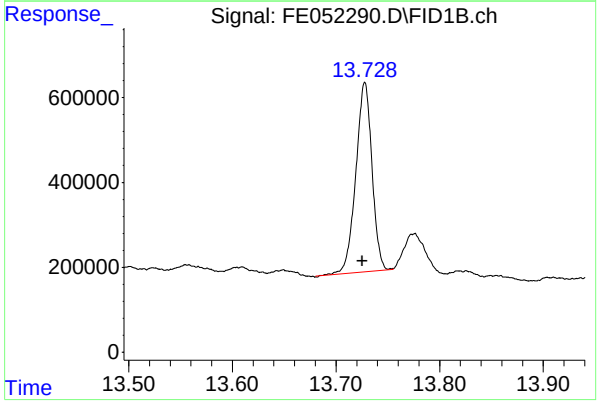
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.728 min
Delta R.T.: 0.002 min
Response: 4843224
Conc: 49.07 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052290.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 14:27
Sample : Q1308-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.226	3.205	3.242	PH	65386	151526	0.26%	0.005%
2	3.256	3.242	3.272	PV	7389	-16658	-0.03%	-0.001%
3	3.288	3.272	3.335	PV	38300	272527	0.47%	0.010%
4	3.375	3.335	3.388	PV	11128	153546	0.26%	0.005%
5	3.408	3.388	3.448	VV	86020	1457894	2.51%	0.052%
6	3.467	3.448	3.507	VV	28026	788357	1.36%	0.028%
7	3.525	3.507	3.544	VV	67368	758931	1.31%	0.027%
8	3.574	3.544	3.590	VV	122425	1689344	2.91%	0.060%
9	3.606	3.590	3.628	VV	148995	1600324	2.76%	0.057%
10	3.657	3.628	3.685	VV	20967	386949	0.67%	0.014%
11	3.725	3.685	3.740	PV	18763	261137	0.45%	0.009%
12	3.764	3.740	3.791	VV	81354	1191169	2.05%	0.042%
13	3.809	3.791	3.828	VV	114237	1204305	2.08%	0.043%
14	3.843	3.828	3.878	VV	35928	453399	0.78%	0.016%
15	3.902	3.878	3.917	PV	63084	620706	1.07%	0.022%
16	3.937	3.917	3.955	VV	106958	1459914	2.52%	0.052%
17	3.964	3.955	3.977	VV	57502	562030	0.97%	0.020%
18	3.993	3.977	4.004	VV	105713	1086974	1.87%	0.039%
19	4.019	4.004	4.059	VV	150195	2235186	3.86%	0.079%
20	4.106	4.059	4.137	VV	263783	4817622	8.31%	0.171%
21	4.165	4.137	4.190	VV	139816	2446687	4.22%	0.087%
22	4.222	4.190	4.247	VV	431867	5528447	9.54%	0.196%
23	4.266	4.247	4.290	VV	382356	4969278	8.57%	0.176%
24	4.305	4.290	4.323	VV	214138	2722761	4.70%	0.097%
25	4.334	4.323	4.349	VV	88432	932776	1.61%	0.033%
26	4.367	4.349	4.402	VV	99403	1680537	2.90%	0.060%
27	4.423	4.402	4.441	VV	192505	1951551	3.37%	0.069%
28	4.470	4.441	4.498	VV	252518	5158880	8.90%	0.183%
29	4.507	4.498	4.530	VV	101297	1154044	1.99%	0.041%
30	4.564	4.530	4.584	VV	354694	4462268	7.70%	0.158%
31	4.602	4.584	4.611	VV	99245	1257625	2.17%	0.045%
32	4.633	4.611	4.654	VV	192895	3448306	5.95%	0.122%
33	4.673	4.654	4.695	VV	177522	2719279	4.69%	0.096%
34	4.715	4.695	4.739	VV	106967	2019219	3.48%	0.072%
35	4.767	4.739	4.782	VV	305451	4434915	7.65%	0.157%
36	4.799	4.782	4.829	VV	353030	5838591	10.07%	0.207%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

37	4.839	4.829	4.883	VV	149464	2883334	4.97%	0.102%
38	4.921	4.883	4.943	VV	256248	4850205	8	
39	4.963	4.943	4.985	VV	271621	4417375	7	
40	4.996	4.985	5.008	VV	127360	1601448	2	
41	5.024	5.008	5.052	VV	123295	2709272	4	
42	5.061	5.052	5.073	VV	89764	968905	1	
43	5.090	5.073	5.120	VV	174522	2998818	5.17%	0.106%
44	5.141	5.120	5.159	VV	97474	1891712	3.26%	0.067%
45	5.184	5.159	5.219	VV	340013	8093982	13.96%	0.287%
46	5.236	5.219	5.249	VV	400572	5235754	9.03%	0.186%
47	5.260	5.249	5.275	VV	340962	4331586	7.47%	0.154%
48	5.294	5.275	5.311	VV	1135911	11998340	20.70%	0.426%
49	5.329	5.311	5.342	VV	727247	8566790	14.78%	0.304%
50	5.352	5.342	5.368	VV	472064	5675932	9.79%	0.201%
51	5.381	5.368	5.392	VV	414760	4377615	7.55%	0.155%
52	5.402	5.392	5.411	VV	398661	3813400	6.58%	0.135%
53	5.424	5.411	5.446	VV	561590	7624738	13.15%	0.271%
54	5.468	5.446	5.515	VV	848665	15453673	26.66%	0.548%
55	5.542	5.515	5.561	VV	696608	9755710	16.83%	0.346%
56	5.582	5.561	5.597	VV	319954	5059948	8.73%	0.180%
57	5.614	5.597	5.645	VV	417174	8354416	14.41%	0.296%
58	5.675	5.645	5.689	VV	489754	7476715	12.90%	0.265%
59	5.707	5.689	5.743	VV	538091	9632434	16.62%	0.342%
60	5.770	5.743	5.784	VV	583751	7804740	13.46%	0.277%
61	5.799	5.784	5.816	VV	705233	8716857	15.04%	0.309%
62	5.828	5.816	5.842	VV	414140	5207078	8.98%	0.185%
63	5.851	5.842	5.864	VV	285024	3104406	5.35%	0.110%
64	5.883	5.864	5.903	VV	270589	5518332	9.52%	0.196%
65	5.927	5.903	5.956	VV	685225	13438396	23.18%	0.477%
66	5.989	5.956	6.004	VV	507371	11310926	19.51%	0.401%
67	6.024	6.004	6.040	VV	627887	9731622	16.79%	0.345%
68	6.057	6.040	6.074	VV	524327	8746502	15.09%	0.310%
69	6.084	6.074	6.114	VV	377201	7191085	12.40%	0.255%
70	6.141	6.114	6.155	VV	570681	9522294	16.43%	0.338%
71	6.173	6.155	6.191	VV	982936	12074285	20.83%	0.428%
72	6.209	6.191	6.244	VV	597875	11715078	20.21%	0.416%
73	6.279	6.244	6.289	VV	488609	9754978	16.83%	0.346%
74	6.299	6.289	6.308	VV	490158	5338311	9.21%	0.189%
75	6.337	6.308	6.372	VV	1669854	31545696	54.41%	1.119%
76	6.392	6.372	6.410	VV	697347	11436153	19.73%	0.406%
77	6.434	6.410	6.445	VV	1345398	17933453	30.93%	0.636%
78	6.454	6.445	6.479	VV	1274226	16126843	27.82%	0.572%
79	6.498	6.479	6.533	VV	765995	14993769	25.86%	0.532%
80	6.562	6.533	6.589	VV	708975	16025617	27.64%	0.569%
81	6.609	6.589	6.637	VV	639912	12157685	20.97%	0.431%
82	6.660	6.637	6.679	VV	890728	14863683	25.64%	0.527%
83	6.701	6.679	6.731	VV	806674	20248177	34.93%	0.718%
84	6.745	6.731	6.754	VV	509836	6587267	11.36%	0.234%
85	6.763	6.754	6.781	VV	505053	7135157	12.31%	0.253%
86	6.792	6.781	6.797	VV	414861	3761942	6.49%	0.133%
87	6.824	6.797	6.838	VV	685542	14675050	25.31%	0.521%
88	6.849	6.838	6.880	VV	717260	14099409	24.32%	0.500%
89	6.918	6.880	6.929	VV	707586	16893409	29.14%	0.599%

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90	6.938	6.929	6.947	VV	680198	7080380	12.21%	0.251%
91	6.991	6.947	7.014	VV	882102	28212384	48	
92	7.034	7.014	7.057	VV	1037738	17616137	30	
93	7.091	7.057	7.124	VV	851157	26162980	45	
94	7.137	7.124	7.157	VV	693749	11819239	20	
95	7.179	7.157	7.201	VV	829018	16367894	28	
96	7.241	7.201	7.255	VV	685610	18978716	32.74%	0.673%
97	7.272	7.255	7.284	VV	795125	12034482	20.76%	0.427%
98	7.309	7.284	7.330	VV	2544629	38683361	66.73%	1.372%
99	7.358	7.330	7.407	VV	1211048	40529699	69.91%	1.438%
100	7.440	7.407	7.464	VV	1169818	24770140	42.73%	0.879%
101	7.492	7.464	7.526	VV	1758024	33861950	58.41%	1.201%
102	7.554	7.526	7.591	VV	936022	27319266	47.12%	0.969%
103	7.618	7.591	7.642	VV	907028	21916199	37.80%	0.778%
104	7.681	7.642	7.711	VV	850765	32132506	55.43%	1.140%
105	7.731	7.711	7.760	VV	925053	22301163	38.47%	0.791%
106	7.777	7.760	7.793	VV	891754	14172229	24.45%	0.503%
107	7.806	7.793	7.828	VV	698246	13059107	22.53%	0.463%
108	7.873	7.828	7.888	VV	2987454	47467450	81.88%	1.684%
109	7.897	7.888	7.913	VV	1105005	14951364	25.79%	0.530%
110	7.925	7.913	7.952	VV	971560	17746156	30.61%	0.630%
111	7.979	7.952	7.998	VV	1243039	22976541	39.63%	0.815%
112	8.024	7.998	8.041	VV	832107	18600788	32.09%	0.660%
113	8.065	8.041	8.095	VV	1013936	26241905	45.27%	0.931%
114	8.108	8.095	8.119	VV	716263	9995709	17.24%	0.355%
115	8.141	8.119	8.164	VV	842460	20163626	34.78%	0.715%
116	8.194	8.164	8.225	VV	996683	30876484	53.26%	1.096%
117	8.265	8.225	8.290	VV	1476057	39470094	68.08%	1.400%
118	8.301	8.290	8.334	VV	878971	19271140	33.24%	0.684%
119	8.348	8.334	8.368	VV	744932	13136930	22.66%	0.466%
120	8.410	8.368	8.427	VV	1166513	28468161	49.11%	1.010%
121	8.443	8.427	8.491	VV	1422589	30715898	52.98%	1.090%
122	8.512	8.491	8.526	VV	778126	13577836	23.42%	0.482%
123	8.545	8.526	8.559	VV	993682	16215638	27.97%	0.575%
124	8.568	8.559	8.585	VV	837677	10981085	18.94%	0.390%
125	8.614	8.585	8.634	VV	730653	19175363	33.08%	0.680%
126	8.666	8.634	8.682	VV	877944	20768730	35.83%	0.737%
127	8.693	8.682	8.707	VV	776165	10961653	18.91%	0.389%
128	8.725	8.707	8.765	VV	837476	23749597	40.97%	0.843%
129	8.792	8.765	8.811	VV	2894214	41817837	72.13%	1.484%
130	8.827	8.811	8.864	VV	792551	22674757	39.11%	0.805%
131	8.882	8.864	8.900	VV	976931	17094735	29.49%	0.607%
132	8.914	8.900	8.927	VV	898034	12519501	21.60%	0.444%
133	8.940	8.927	8.956	VV	823360	13056230	22.52%	0.463%
134	8.971	8.956	8.988	VV	836680	14442302	24.91%	0.512%
135	9.010	8.988	9.038	VV	1166577	23881513	41.19%	0.847%
136	9.074	9.038	9.091	VV	854544	24107393	41.58%	0.855%
137	9.106	9.091	9.124	VV	840761	13794520	23.79%	0.489%
138	9.157	9.124	9.178	VV	1829908	33133186	57.15%	1.176%
139	9.200	9.178	9.221	VV	697740	16299898	28.12%	0.578%
140	9.250	9.221	9.275	VV	914955	23136615	39.91%	0.821%
141	9.287	9.275	9.309	VV	596754	11708339	20.20%	0.415%

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142	9.331	9.309	9.363	VV	1049058	23801367	41.06%	0.844%
143	9.382	9.363	9.401	VV	809361	15833831	27	
144	9.415	9.401	9.424	VV	616057	8047524	13	
145	9.450	9.424	9.469	VV	1219601	22223987	38	
146	9.505	9.469	9.560	VV	2743839	57972504	100	
147	9.590	9.560	9.604	VV	633647	14045941	24	
148	9.641	9.604	9.661	VV	749982	22029265	38.00%	0.782%
149	9.670	9.661	9.696	VV	573513	10737014	18.52%	0.381%
150	9.730	9.696	9.751	VV	805524	21840619	37.67%	0.775%
151	9.765	9.751	9.780	VV	663842	10626949	18.33%	0.377%
152	9.795	9.780	9.810	VV	637967	10470466	18.06%	0.371%
153	9.822	9.810	9.844	VV	586360	11006202	18.99%	0.391%
154	9.862	9.844	9.884	VV	679826	14133222	24.38%	0.501%
155	9.895	9.884	9.943	VV	578185	17896078	30.87%	0.635%
156	9.956	9.943	9.972	VV	472111	7583320	13.08%	0.269%
157	9.983	9.972	9.991	VV	423534	4618657	7.97%	0.164%
158	10.011	9.991	10.044	VV	577664	15200539	26.22%	0.539%
159	10.059	10.044	10.095	VV	519671	14490483	25.00%	0.514%
160	10.115	10.095	10.133	VV	544594	10746832	18.54%	0.381%
161	10.157	10.133	10.188	VV	712808	18323279	31.61%	0.650%
162	10.202	10.188	10.213	VV	658174	8857385	15.28%	0.314%
163	10.226	10.213	10.254	VV	722222	13868845	23.92%	0.492%
164	10.278	10.254	10.294	VV	493346	11084435	19.12%	0.393%
165	10.309	10.294	10.355	VV	662567	16820357	29.01%	0.597%
166	10.371	10.355	10.382	VV	387176	5898715	10.18%	0.209%
167	10.393	10.382	10.438	VV	386083	11789118	20.34%	0.418%
168	10.468	10.438	10.478	VV	416244	8821542	15.22%	0.313%
169	10.508	10.478	10.544	VV	573766	18848154	32.51%	0.669%
170	10.554	10.544	10.567	VV	417136	5554167	9.58%	0.197%
171	10.580	10.567	10.599	VV	406365	7595850	13.10%	0.270%
172	10.619	10.599	10.634	VV	500048	9106265	15.71%	0.323%
173	10.649	10.634	10.708	VV	452778	16447129	28.37%	0.584%
174	10.725	10.708	10.738	VV	366605	6102777	10.53%	0.217%
175	10.755	10.738	10.795	VV	375409	12055471	20.80%	0.428%
176	10.827	10.795	10.856	VV	378586	12273542	21.17%	0.435%
177	10.888	10.856	10.907	VV	344708	9637608	16.62%	0.342%
178	10.941	10.907	10.970	VV	1635755	28469514	49.11%	1.010%
179	11.003	10.970	11.016	VV	363731	9541006	16.46%	0.339%
180	11.029	11.016	11.056	VV	350458	7839517	13.52%	0.278%
181	11.086	11.056	11.123	VV	363518	12786066	22.06%	0.454%
182	11.139	11.123	11.157	VV	284422	5644706	9.74%	0.200%
183	11.216	11.157	11.251	VV	383050	18017625	31.08%	0.639%
184	11.269	11.251	11.281	VV	393403	6130490	10.57%	0.218%
185	11.290	11.281	11.308	VV	372666	5604375	9.67%	0.199%
186	11.365	11.308	11.390	VV	2022710	39818677	68.69%	1.413%
187	11.402	11.390	11.438	VV	379893	9382240	16.18%	0.333%
188	11.488	11.438	11.515	VV	311082	13191065	22.75%	0.468%
189	11.539	11.515	11.557	VV	337840	7649766	13.20%	0.271%
190	11.567	11.557	11.588	VV	299370	5345687	9.22%	0.190%
191	11.618	11.588	11.639	VV	352898	9420218	16.25%	0.334%
192	11.675	11.639	11.725	VV	439654	15967341	27.54%	0.567%
193	11.775	11.725	11.792	VV	294794	10896183	18.80%	0.387%
194	11.810	11.792	11.823	VV	281970	4999367	8.62%	0.177%

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195	11.842	11.823	11.865	VV	287335	6854089	11.82%	0.243%
196	11.883	11.865	11.901	VV	271847	5841067	10	
197	11.916	11.901	11.925	VV	272522	3799155	6	
198	11.977	11.925	11.996	VV	303404	12054685	20	
199	12.009	11.996	12.024	VV	274354	4258538	7	
200	12.077	12.024	12.120	VV	1166613	27057825	46	
201	12.137	12.120	12.163	VV	267186	6494369	11.20%	0.230%
202	12.180	12.163	12.206	VV	252981	5916268	10.21%	0.210%
203	12.247	12.206	12.265	VV	295973	9175602	15.83%	0.326%
204	12.281	12.265	12.333	VV	272844	9968792	17.20%	0.354%
205	12.352	12.333	12.405	VV	237291	9699286	16.73%	0.344%
206	12.425	12.405	12.439	VV	220970	4241730	7.32%	0.150%
207	12.468	12.439	12.483	VV	231760	5876877	10.14%	0.209%
208	12.500	12.483	12.515	VV	235302	4390494	7.57%	0.156%
209	12.538	12.515	12.558	VV	247869	6107838	10.54%	0.217%
210	12.573	12.558	12.592	VV	233605	4475291	7.72%	0.159%
211	12.630	12.592	12.656	VV	478643	11701553	20.18%	0.415%
212	12.672	12.656	12.705	VV	234013	6222283	10.73%	0.221%
213	12.757	12.705	12.774	VV	244487	8937437	15.42%	0.317%
214	12.787	12.774	12.817	VV	230008	5467104	9.43%	0.194%
215	12.843	12.817	12.861	VV	205206	5213573	8.99%	0.185%
216	12.874	12.861	12.895	VV	207635	3950583	6.81%	0.140%
217	12.922	12.895	12.983	VV	210151	10011554	17.27%	0.355%
218	12.998	12.983	13.058	VV	188242	7963641	13.74%	0.283%
219	13.081	13.058	13.095	VV	188339	3946211	6.81%	0.140%
220	13.105	13.095	13.118	VV	172920	2313666	3.99%	0.082%
221	13.147	13.118	13.181	VV	192449	6753257	11.65%	0.240%
222	13.204	13.181	13.235	VV	235007	6262432	10.80%	0.222%
223	13.252	13.235	13.261	VV	173135	2578971	4.45%	0.092%
224	13.282	13.261	13.327	VV	209781	6923566	11.94%	0.246%
225	13.348	13.327	13.368	VV	162230	3726751	6.43%	0.132%
226	13.384	13.368	13.406	VV	161019	3537537	6.10%	0.126%
227	13.426	13.406	13.462	VV	181213	5354981	9.24%	0.190%
228	13.471	13.462	13.484	VV	138188	1746523	3.01%	0.062%
229	13.501	13.484	13.518	VV	138650	2760130	4.76%	0.098%
230	13.524	13.518	13.536	VV	135184	1456640	2.51%	0.052%
231	13.556	13.536	13.588	VV	142762	4235895	7.31%	0.150%
232	13.607	13.588	13.634	VV	136451	3537906	6.10%	0.126%
233	13.649	13.634	13.681	VV	129891	3499521	6.04%	0.124%
234	13.728	13.681	13.752	VV	572958	10089486	17.40%	0.358%
235	13.775	13.752	13.806	VV	214472	5309436	9.16%	0.188%
236	13.821	13.806	13.889	VV	126430	5820588	10.04%	0.207%
237	13.907	13.889	13.925	VV	111274	2303264	3.97%	0.082%
238	13.937	13.925	13.968	VV	110274	2769921	4.78%	0.098%
239	13.989	13.968	14.042	VV	112408	4629372	7.99%	0.164%
240	14.060	14.042	14.080	VV	102746	2277313	3.93%	0.081%
241	14.112	14.080	14.138	VV	142718	3930116	6.78%	0.139%
242	14.156	14.138	14.185	VV	104192	2761265	4.76%	0.098%
243	14.203	14.185	14.270	VV	98327	4631580	7.99%	0.164%
244	14.324	14.270	14.354	VV	101040	4608641	7.95%	0.164%
245	14.378	14.354	14.436	VV	108738	4402855	7.59%	0.156%
246	14.461	14.436	14.484	VV	82453	2176636	3.75%	0.077%

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247	14.510	14.484	14.528	VV	79335	1997137	3.44%	0.071%
248	14.553	14.528	14.575	VV	81059	2163010	3	
249	14.613	14.575	14.642	VV	78305	2940175	5	
250	14.703	14.642	14.739	VV	102503	4573267	7	
251	14.774	14.739	14.816	VV	72693	3061940	5	
252	14.850	14.816	14.898	VV	70930	3235425	5	
253	14.925	14.898	14.982	VV	61954	3001323	5.18%	0.106%
254	15.009	14.982	15.073	VV	58888	2941536	5.07%	0.104%
255	15.099	15.073	15.127	VV	58288	1767108	3.05%	0.063%
256	15.157	15.127	15.219	VV	71719	3182638	5.49%	0.113%
257	15.268	15.219	15.291	VV	52509	2154210	3.72%	0.076%
258	15.320	15.291	15.363	VV	54086	2055710	3.55%	0.073%
259	15.386	15.363	15.397	VV	44771	894198	1.54%	0.032%
260	15.409	15.397	15.448	VV	45531	1301024	2.24%	0.046%
261	15.463	15.448	15.535	VV	46583	2169096	3.74%	0.077%
262	15.626	15.535	15.671	VV	44545	3268644	5.64%	0.116%
263	15.708	15.671	15.747	VV	44349	1747062	3.01%	0.062%
264	15.774	15.747	15.791	VV	34594	890278	1.54%	0.032%
265	15.821	15.791	15.878	VV	38407	1838468	3.17%	0.065%
266	15.915	15.878	15.958	VV	35640	1595583	2.75%	0.057%
267	15.982	15.958	15.992	VV	32637	644030	1.11%	0.023%
268	16.014	15.992	16.058	VV	33735	1262970	2.18%	0.045%
269	16.110	16.058	16.165	VV	43503	2230004	3.85%	0.079%
270	16.174	16.165	16.237	VV	29347	1171368	2.02%	0.042%
271	16.265	16.237	16.298	VV	30244	1017899	1.76%	0.036%
272	16.305	16.298	16.318	VV	26432	315176	0.54%	0.011%
273	16.341	16.318	16.360	VV	28606	691227	1.19%	0.025%
274	16.392	16.360	16.451	VV	39105	1709127	2.95%	0.061%
275	16.468	16.451	16.491	VV	26457	598882	1.03%	0.021%
276	16.504	16.491	16.540	VV	25212	723757	1.25%	0.026%
277	16.554	16.540	16.566	VV	25109	398321	0.69%	0.014%
278	16.579	16.566	16.591	VV	25241	362436	0.63%	0.013%
279	16.623	16.591	16.719	VV	31896	1898700	3.28%	0.067%
280	16.743	16.719	16.780	VV	23508	826476	1.43%	0.029%
281	16.818	16.780	16.849	VV	29408	1071151	1.85%	0.038%
282	16.900	16.849	16.937	VV	32792	1430584	2.47%	0.051%
283	16.970	16.937	16.990	VV	25617	755530	1.30%	0.027%
284	17.009	16.990	17.041	VV	23022	673909	1.16%	0.024%
285	17.065	17.041	17.080	VV	22553	502764	0.87%	0.018%
286	17.101	17.080	17.158	VV	23517	954734	1.65%	0.034%
287	17.242	17.158	17.255	VV	23200	1207736	2.08%	0.043%
288	17.278	17.255	17.348	VV	26993	1336017	2.30%	0.047%
289	17.358	17.348	17.378	VV	22161	386718	0.67%	0.014%
290	17.401	17.378	17.461	VV	23881	1032100	1.78%	0.037%
291	17.548	17.461	17.561	VV	22037	1165653	2.01%	0.041%
292	17.580	17.561	17.608	VV	26026	616239	1.06%	0.022%
293	17.619	17.608	17.627	VV	20145	224139	0.39%	0.008%
294	17.651	17.627	17.711	VV	22390	1018744	1.76%	0.036%
295	17.754	17.711	17.791	VV	24591	1070949	1.85%	0.038%
296	17.814	17.791	17.855	VV	26873	846579	1.46%	0.030%
297	17.877	17.855	17.891	VV	22218	454576	0.78%	0.016%
298	17.904	17.891	17.927	VV	21336	433366	0.75%	0.015%
299	17.949	17.927	17.961	VV	19715	385321	0.66%	0.014%

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Supervised By :Ankita Jodhani 02/10/2025

300	17.986	17.961	18.014	VV	27106	676426	1.17%	0.024%
301	18.039	18.014	18.058	VV	20189	472778		
302	18.086	18.058	18.118	VV	23095	749779		
303	18.128	18.118	18.159	VV	21017	473923		
304	18.179	18.159	18.191	VV	18188	321982		
305	18.212	18.191	18.255	VV	18049	658419		
306	18.275	18.255	18.289	VV	17670	346112	0.60%	0.012%
307	18.307	18.289	18.317	VV	17256	278044	0.48%	0.010%
308	18.343	18.317	18.383	VV	24243	779257	1.34%	0.028%
309	18.416	18.383	18.434	VV	20521	566886	0.98%	0.020%
310	18.443	18.434	18.478	VV	18749	419492	0.72%	0.015%
311	18.498	18.478	18.507	VV	15624	268981	0.46%	0.010%
312	18.526	18.507	18.538	VV	16088	288382	0.50%	0.010%
313	18.599	18.538	18.661	VV	35044	1499402	2.59%	0.053%
314	18.692	18.661	18.728	VV	17123	608881	1.05%	0.022%
315	18.794	18.728	18.818	VV	19447	878768	1.52%	0.031%
316	18.828	18.818	18.855	VV	15437	305135	0.53%	0.011%
317	18.875	18.855	18.894	VV	11713	255658	0.44%	0.009%
318	18.921	18.894	18.938	VV	14669	353700	0.61%	0.013%
319	18.964	18.938	19.010	VV	38550	858063	1.48%	0.030%
320	19.026	19.010	19.058	VV	11739	320799	0.55%	0.011%
321	19.116	19.058	19.168	VV	15139	795163	1.37%	0.028%
322	19.240	19.168	19.268	VV	13791	682974	1.18%	0.024%
323	19.292	19.268	19.346	VV	11068	498516	0.86%	0.018%
324	19.383	19.346	19.405	VV	18398	458962	0.79%	0.016%
325	19.431	19.405	19.485	VV	19178	626374	1.08%	0.022%
326	19.519	19.485	19.545	VV	12707	421162	0.73%	0.015%
327	19.564	19.545	19.595	VV	12968	365512	0.63%	0.013%
328	19.634	19.595	19.685	VV	15628	666242	1.15%	0.024%
329	19.713	19.685	19.755	VV	14464	455108	0.79%	0.016%
330	19.781	19.755	19.800	VV	13698	317679	0.55%	0.011%
331	19.819	19.800	19.856	VV	13976	416596	0.72%	0.015%
332	19.868	19.856	19.897	VV	11958	284691	0.49%	0.010%
333	19.922	19.897	19.938	VV	11833	281987	0.49%	0.010%
334	19.951	19.938	19.989	VV	11513	334989	0.58%	0.012%
335	20.038	19.989	20.074	VV	16331	721029	1.24%	0.026%
336	20.087	20.074	20.118	VV	14765	337714	0.58%	0.012%
337	20.128	20.118	20.151	VV	11969	225750	0.39%	0.008%
338	20.179	20.151	20.231	VV	13314	573669	0.99%	0.020%
339	20.332	20.231	20.378	VV	16254	1265648	2.18%	0.045%
340	20.417	20.378	20.511	VV	18561	1278320	2.21%	0.045%
341	20.646	20.511	20.683	VV	18959	1710661	2.95%	0.061%
342	20.700	20.683	20.775	VV	18693	936955	1.62%	0.033%
343	20.869	20.775	20.883	VV	20170	1169988	2.02%	0.042%
344	20.890	20.883	20.918	VV	19089	393595	0.68%	0.014%
345	20.939	20.918	21.000	VV	18901	842008	1.45%	0.030%
346	21.051	21.000	21.108	VV	18507	1132588	1.95%	0.040%
347	21.117	21.108	21.157	VV	17687	513544	0.89%	0.018%
348	21.169	21.157	21.264	VV	17294	1015549	1.75%	0.036%
349	21.308	21.264	21.331	VV	15955	612612	1.06%	0.022%
350	21.346	21.331	21.355	VV	16464	224045	0.39%	0.008%
351	21.398	21.355	21.449	VV	18480	976344	1.68%	0.035%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10

Manual IntegrationsAPPROVED

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rteres

352	21.458	21.449	21.481	VV	16184	306643	0.53%	0.011%
353	21.488	21.481	21.500	VV	15615	173256		
354	21.515	21.500	21.602	VV	15756	812890		
355	21.672	21.602	21.718	VV	12879	811921		
356	21.786	21.718	21.881	VV	13404	1208713		
357	21.896	21.881	21.968	VV	10587	497973		
358	22.025	21.968	22.034	VV	9758	348901	0.60%	0.012%
359	22.048	22.034	22.058	VV	9549	136120	0.23%	0.005%
360	22.066	22.058	22.085	VV	9423	147468	0.25%	0.005%
361	22.095	22.085	22.111	VV	9119	142766	0.25%	0.005%
362	22.166	22.111	22.174	VV	9839	352415	0.61%	0.013%
363	22.183	22.174	22.336	VV	9819	729326	1.26%	0.026%
364	22.346	22.336	22.351	VBA	5896	84811	0.15%	0.003%

Sum of corrected areas: 2818469887

Aliphatic EPH 020325.M Sat Feb 08 04:00:27 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-10	SDG No.:	Q1308
Lab Sample ID:	Q1308-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015492.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	106	E	0.39	0.86	mg/kg
Aromatic C12-C16	Aromatic C12-C16	358	E	0.44	1.29	mg/kg
Aromatic C16-C21	Aromatic C16-C21	430	E	1.24	2.15	mg/kg
Aromatic C21-C36	Aromatic C21-C36	46.3		2.58	3.44	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.6		40 - 140	129%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	45.6		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.7		40 - 140	107%	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:	Q1308-09	Acq On:	07 Feb 2025 14:28
Client Sample ID:	EX-11-TPH-10	Operator:	YP\AJ
Data file:	FF015492.D	Misc:	
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	170387351	1230	200	ug/ml
Aromatic C12-C16	6.375	9.068	559454181	4170	300	ug/ml
Aromatic C16-C21	9.069	13.385	616599553	5000	500	ug/ml
Aromatic C21-C36	13.386	18.838	63336465	537.769	800	ug/ml
Aromatic EPH	4.505	18.838	1409777550	10900		ug/ml
2-Bromonaphthalene (SURR)	8.003	8.003	7677487	64.6		ug/ml
2-Flurobiphenyl (SURR)	8.883	8.883	3460466	45.57		ug/ml
ortho-Terphenyl (SURR)	11.944	11.944	7087456	53.74		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015492.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:28
Operator : YP\AJ
Sample : Q1308-09
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:35:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-10

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.003	7677487	64.596 ug/mlm
Spiked Amount 50.000		Recovery = 129.19%	
6) S 2-Flurobiphenyl (SURR)	8.883	3460466	45.567 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 91.13%	
11) S ortho-Terphenyl (SURR)	11.944	7087456	53.741 ug/mlm
Spiked Amount 50.000		Recovery = 107.48%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015492.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:28
Operator : YP\AJ
Sample : Q1308-09
Misc :
ALS Vial : 78 Sample Multiplier: 1

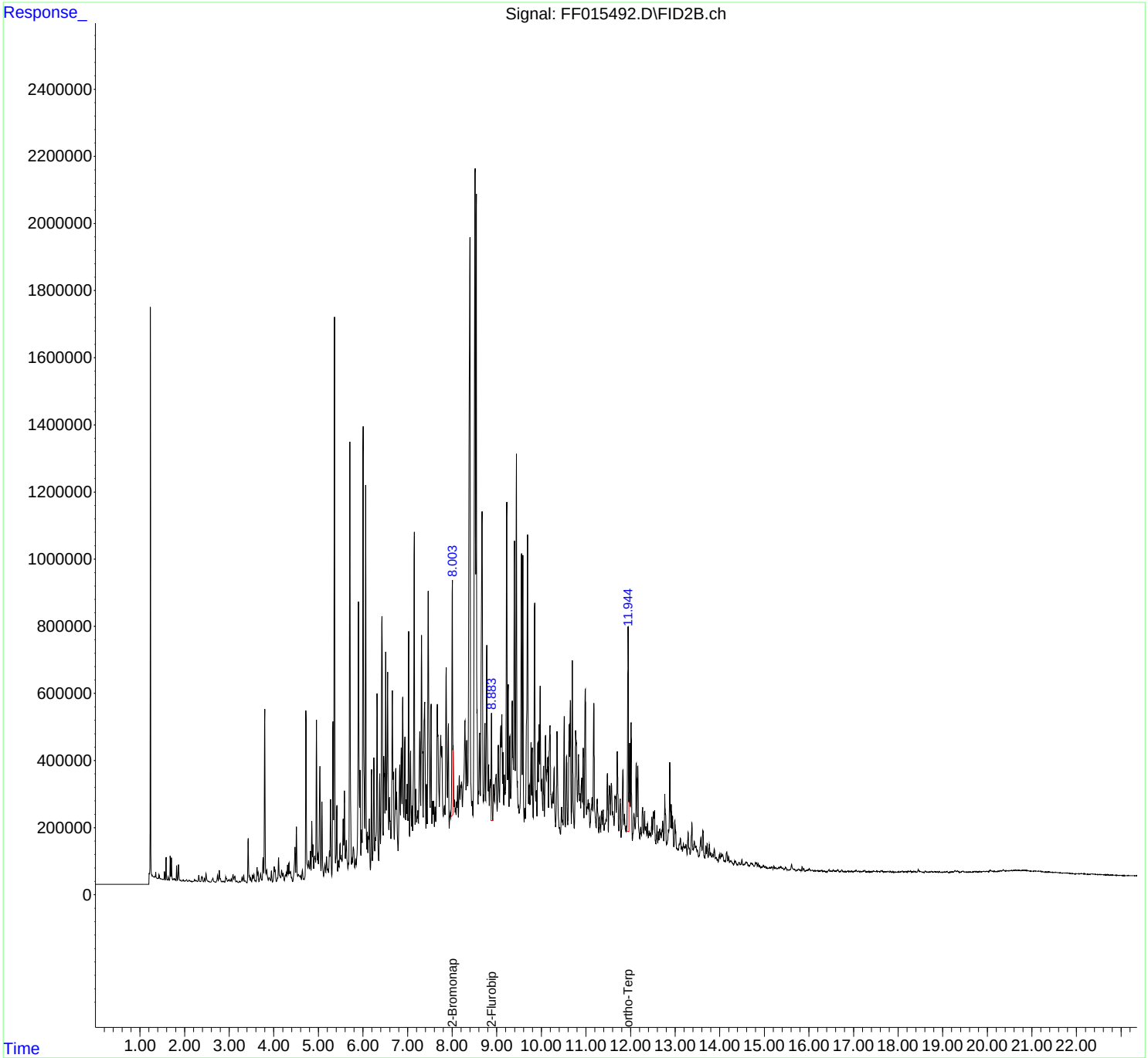
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10

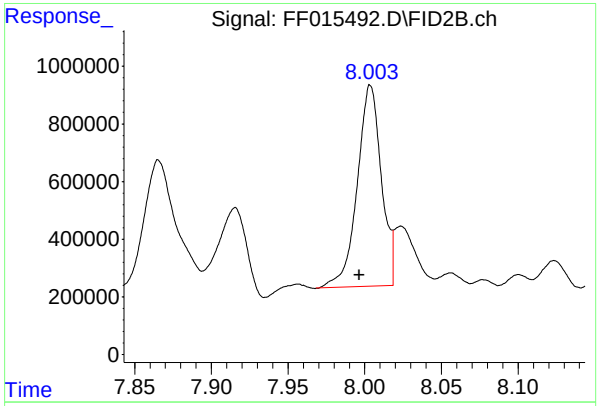
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:35:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





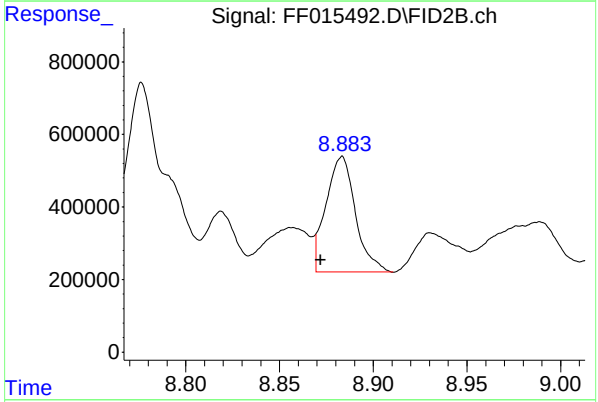
#4 2-Bromonaphthalene (SURR)

R.T.: 8.003 min
Delta R.T.: 0.006 mi
Response: 7677487
Conc: 64.60 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10

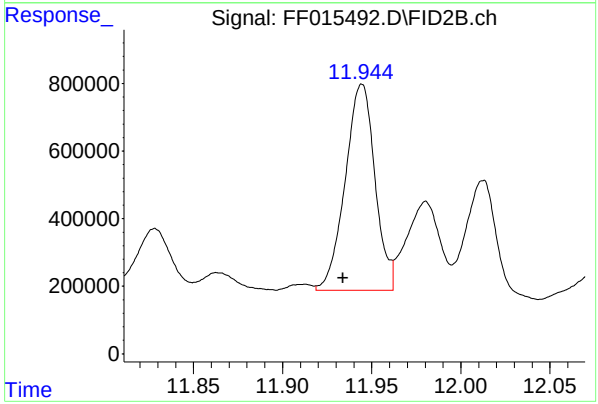
Manual Integrations
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Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.883 min
Delta R.T.: 0.011 min
Response: 3460466
Conc: 45.57 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: 0.010 min
Response: 7087456
Conc: 53.74 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015492.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:28
Sample : Q1308-09
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.476	4.401	4.491	BV	93412	1170645	2.63%	0.082%
2	4.508	4.491	4.535	VV	154425	1742574	3.92%	0.122%
3	4.552	4.535	4.592	VV	13442	340062	0.76%	0.024%
4	4.603	4.592	4.620	VV	11314	113604	0.26%	0.008%
5	4.641	4.620	4.666	PV	28281	359713	0.81%	0.025%
6	4.672	4.666	4.682	VV	1379	8646	0.02%	0.001%
7	4.722	4.682	4.766	PV	502624	5820665	13.08%	0.407%
8	4.781	4.766	4.805	VV	57373	1018699	2.29%	0.071%
9	4.823	4.805	4.837	VV	85196	1072219	2.41%	0.075%
10	4.854	4.837	4.867	VV	173817	1877725	4.22%	0.131%
11	4.877	4.867	4.895	VV	104297	1203586	2.70%	0.084%
12	4.915	4.895	4.938	VV	69604	1490491	3.35%	0.104%
13	4.958	4.938	4.978	VV	475160	5200761	11.69%	0.364%
14	4.988	4.978	5.001	VV	76120	866802	1.95%	0.061%
15	5.034	5.001	5.059	VV	337514	5404325	12.14%	0.378%
16	5.080	5.059	5.118	VV	231405	2982572	6.70%	0.209%
17	5.148	5.118	5.166	VV	44278	839362	1.89%	0.059%
18	5.184	5.166	5.205	VV	67996	1033508	2.32%	0.072%
19	5.213	5.205	5.227	VV	30313	353365	0.79%	0.025%
20	5.249	5.227	5.257	VV	86050	1007544	2.26%	0.070%
21	5.273	5.257	5.302	VV	237942	3018764	6.78%	0.211%
22	5.327	5.302	5.340	VV	470027	5025032	11.29%	0.352%
23	5.362	5.340	5.384	VV	1675058	17852615	40.12%	1.249%
24	5.414	5.384	5.432	VV	220720	2929504	6.58%	0.205%
25	5.449	5.432	5.464	VV	54733	847550	1.90%	0.059%
26	5.486	5.464	5.502	VV	106410	1728094	3.88%	0.121%
27	5.511	5.502	5.523	VV	72222	795906	1.79%	0.056%
28	5.530	5.523	5.535	VV	57903	408829	0.92%	0.029%
29	5.557	5.535	5.569	VV	179990	2420209	5.44%	0.169%
30	5.585	5.569	5.604	VV	264333	3352455	7.53%	0.235%
31	5.628	5.604	5.663	VV	116776	2605621	5.86%	0.182%
32	5.707	5.663	5.744	VV	1304587	16520568	37.12%	1.156%
33	5.755	5.744	5.765	VV	60570	676348	1.52%	0.047%
34	5.783	5.765	5.817	VV	96259	2195569	4.93%	0.154%
35	5.837	5.817	5.850	VV	59644	956196	2.15%	0.067%
36	5.900	5.850	5.924	VV	827489	13384025	30.08%	0.936%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10

Manual IntegrationsAPPROVED

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37	5.935	5.924	5.953	VV	324893	3756406	8.44%	0.263%
38	5.972	5.953	5.981	VV	147855	1972436		
39	6.003	5.981	6.041	VV	1348208	19042717	42	
40	6.062	6.041	6.087	VV	1177054	12991467	29	
41	6.098	6.087	6.110	VV	139812	1575251	3	
42	6.123	6.110	6.129	VV	127630	1238141	2	
43	6.142	6.129	6.168	VV	179396	2519191	5.66%	0.176%
44	6.192	6.168	6.211	VV	326251	3940390	8.85%	0.276%
45	6.246	6.211	6.264	VV	361018	5510525	12.38%	0.385%
46	6.276	6.264	6.283	VV	122508	1242361	2.79%	0.087%
47	6.318	6.283	6.353	VV	552344	9144958	20.55%	0.640%
48	6.376	6.353	6.393	VV	313191	4059333	9.12%	0.284%
49	6.425	6.393	6.452	VV	781742	14435716	32.44%	1.010%
50	6.468	6.452	6.477	VV	365014	4156562	9.34%	0.291%
51	6.482	6.477	6.495	VV	313829	2808751	6.31%	0.196%
52	6.510	6.495	6.525	VV	676526	7670894	17.24%	0.537%
53	6.553	6.525	6.581	VV	616071	11107397	24.96%	0.777%
54	6.595	6.581	6.628	VV	242733	4999638	11.23%	0.350%
55	6.659	6.628	6.676	VV	560135	9034143	20.30%	0.632%
56	6.682	6.676	6.702	VV	318837	3636431	8.17%	0.254%
57	6.734	6.702	6.746	VV	328635	5698212	12.80%	0.399%
58	6.755	6.746	6.788	VV	257773	4347678	9.77%	0.304%
59	6.825	6.788	6.840	VV	338891	6763459	15.20%	0.473%
60	6.860	6.840	6.875	VV	390032	6235751	14.01%	0.436%
61	6.891	6.875	6.917	VV	542132	8852707	19.89%	0.619%
62	6.941	6.917	6.958	VV	421536	7104804	15.97%	0.497%
63	6.969	6.958	6.980	VV	235551	2772712	6.23%	0.194%
64	6.993	6.980	7.007	VV	281168	3788753	8.51%	0.265%
65	7.025	7.007	7.045	VV	736022	9058538	20.36%	0.634%
66	7.067	7.045	7.091	VV	380902	6721502	15.10%	0.470%
67	7.103	7.091	7.114	VV	216684	2534394	5.70%	0.177%
68	7.150	7.114	7.170	VV	1032801	14934611	33.56%	1.045%
69	7.186	7.170	7.202	VV	266352	4165138	9.36%	0.291%
70	7.230	7.202	7.243	VV	201877	4478439	10.06%	0.313%
71	7.275	7.243	7.294	VV	436015	9441639	21.22%	0.660%
72	7.314	7.294	7.350	VV	723948	13828427	31.07%	0.967%
73	7.383	7.350	7.413	VV	525553	13451581	30.23%	0.941%
74	7.427	7.413	7.441	VV	280061	3645684	8.19%	0.255%
75	7.464	7.441	7.506	VV	854251	17836198	40.08%	1.248%
76	7.527	7.506	7.547	VV	519233	8083518	18.16%	0.565%
77	7.562	7.547	7.575	VV	229252	3399631	7.64%	0.238%
78	7.587	7.575	7.602	VV	230237	3257081	7.32%	0.228%
79	7.619	7.602	7.635	VV	212392	3666170	8.24%	0.256%
80	7.667	7.635	7.714	VV	517970	15578256	35.01%	1.090%
81	7.745	7.714	7.760	VV	425236	9471091	21.28%	0.663%
82	7.770	7.760	7.802	VV	392768	7315143	16.44%	0.512%
83	7.826	7.802	7.841	VV	215097	4709906	10.58%	0.329%
84	7.866	7.841	7.894	VV	624735	12278927	27.59%	0.859%
85	7.915	7.894	7.935	VV	460805	7732033	17.37%	0.541%
86	7.956	7.935	7.968	VV	193873	3525368	7.92%	0.247%
87	8.004	7.968	8.019	VV	883891	13355167	30.01%	0.934%
88	8.024	8.019	8.046	VV	395534	5021161	11.28%	0.351%
89	8.056	8.046	8.069	VV	233094	3046241	6.85%	0.213%

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90	8.078	8.069	8.088	VV	208725	2190405	4.92%	0.153%
91	8.100	8.088	8.109	VV	227052	2751944	6	
92	8.124	8.109	8.141	VV	275451	4428272	9	
93	8.161	8.141	8.177	VV	304246	5497339	12	
94	8.194	8.177	8.204	VV	277236	4215585	9	
95	8.212	8.204	8.230	VV	285573	4059238	9	
96	8.287	8.230	8.313	VV	468862	16007697	35.97%	1.120%
97	8.328	8.313	8.346	VV	409187	6615293	14.87%	0.463%
98	8.400	8.346	8.439	VV	1898440	44501593	100.00%	3.113%
99	8.449	8.439	8.466	VV	227917	3407614	7.66%	0.238%
100	8.513	8.466	8.526	VV	2107053	37165233	83.51%	2.600%
101	8.541	8.526	8.581	VV	2030054	28411407	63.84%	1.987%
102	8.591	8.581	8.595	VV	255095	2092010	4.70%	0.146%
103	8.614	8.595	8.633	VV	431423	7638797	17.17%	0.534%
104	8.671	8.633	8.697	VV	1089804	24683949	55.47%	1.727%
105	8.706	8.697	8.715	VV	246965	2543847	5.72%	0.178%
106	8.735	8.715	8.752	VV	458942	7271370	16.34%	0.509%
107	8.776	8.752	8.807	VV	691869	13972891	31.40%	0.977%
108	8.819	8.807	8.834	VV	337080	4515933	10.15%	0.316%
109	8.857	8.834	8.867	VV	291849	5322373	11.96%	0.372%
110	8.883	8.867	8.911	VV	490435	8045112	18.08%	0.563%
111	8.931	8.911	8.952	VV	276977	5839210	13.12%	0.408%
112	8.989	8.952	9.010	VV	308013	9258443	20.80%	0.648%
113	9.035	9.010	9.063	VV	394323	9054953	20.35%	0.633%
114	9.093	9.063	9.104	VV	451229	9081939	20.41%	0.635%
115	9.116	9.104	9.130	VV	485353	6369980	14.31%	0.446%
116	9.142	9.130	9.158	VV	373394	5027000	11.30%	0.352%
117	9.172	9.158	9.188	VV	305488	4881364	10.97%	0.341%
118	9.225	9.188	9.243	VV	1117438	18324674	41.18%	1.282%
119	9.257	9.243	9.277	VV	574780	8142400	18.30%	0.570%
120	9.295	9.277	9.313	VV	420825	6661915	14.97%	0.466%
121	9.347	9.313	9.375	VV	525849	13435014	30.19%	0.940%
122	9.398	9.375	9.415	VV	1002119	14465602	32.51%	1.012%
123	9.442	9.415	9.502	VV	1262126	23694102	53.24%	1.658%
124	9.555	9.502	9.571	VV	963592	17502794	39.33%	1.224%
125	9.588	9.571	9.616	VV	959513	12683065	28.50%	0.887%
126	9.630	9.616	9.644	VV	204980	3126280	7.03%	0.219%
127	9.693	9.644	9.714	VV	1019010	21392219	48.07%	1.496%
128	9.728	9.714	9.747	VV	273670	4807553	10.80%	0.336%
129	9.770	9.747	9.782	VV	399314	6198404	13.93%	0.434%
130	9.796	9.782	9.817	VV	385257	5877802	13.21%	0.411%
131	9.850	9.817	9.877	VV	818373	14784155	33.22%	1.034%
132	9.889	9.877	9.903	VV	257696	3530913	7.93%	0.247%
133	9.922	9.903	9.935	VV	400574	5890611	13.24%	0.412%
134	9.949	9.935	9.961	VV	453783	5849376	13.14%	0.409%
135	9.974	9.961	9.997	VV	569292	8942380	20.09%	0.626%
136	10.011	9.997	10.034	VV	289358	5534365	12.44%	0.387%
137	10.050	10.034	10.071	VV	329933	5595540	12.57%	0.391%
138	10.094	10.071	10.116	VV	420405	8684283	19.51%	0.608%
139	10.126	10.116	10.131	VV	319198	2744351	6.17%	0.192%
140	10.143	10.131	10.160	VV	355418	5435264	12.21%	0.380%
141	10.193	10.160	10.236	VV	451609	14082030	31.64%	0.985%

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142	10.255	10.236	10.267	VV	248573	4189783	9.41%	0.293%
143	10.288	10.267	10.320	VV	325284	7677291	17	
144	10.354	10.320	10.403	VV	431471	12161689	27	
145	10.408	10.403	10.429	VV	146614	2134019	4	
146	10.455	10.429	10.468	VV	207216	3968642	8	
147	10.473	10.468	10.487	VV	165993	1864992	4	
148	10.513	10.487	10.537	VV	477839	8043232	18.07%	0.563%
149	10.565	10.537	10.591	VV	359119	7750452	17.42%	0.542%
150	10.625	10.591	10.637	VV	452442	8363900	18.79%	0.585%
151	10.651	10.637	10.675	VV	524859	8387609	18.85%	0.587%
152	10.697	10.675	10.739	VV	641462	11720135	26.34%	0.820%
153	10.769	10.739	10.811	VV	434866	13292158	29.87%	0.930%
154	10.833	10.811	10.858	VV	363198	7990814	17.96%	0.559%
155	10.869	10.858	10.881	VV	246701	3193337	7.18%	0.223%
156	10.905	10.881	10.920	VV	293377	6012667	13.51%	0.421%
157	10.940	10.920	10.957	VV	382273	6387575	14.35%	0.447%
158	10.986	10.957	11.014	VV	555680	11969815	26.90%	0.837%
159	11.048	11.014	11.064	VV	228840	6350296	14.27%	0.444%
160	11.073	11.064	11.090	VV	217142	2937716	6.60%	0.206%
161	11.137	11.090	11.153	VV	234763	7315589	16.44%	0.512%
162	11.177	11.153	11.229	VV	515588	11904359	26.75%	0.833%
163	11.251	11.229	11.288	VV	228976	6327582	14.22%	0.443%
164	11.309	11.288	11.329	VV	177456	3817039	8.58%	0.267%
165	11.353	11.329	11.370	VV	193572	4018782	9.03%	0.281%
166	11.387	11.370	11.408	VV	197806	3863400	8.68%	0.270%
167	11.452	11.408	11.457	VV	169536	4672679	10.50%	0.327%
168	11.482	11.457	11.504	VV	305481	6383004	14.34%	0.447%
169	11.525	11.504	11.553	VV	268854	6569036	14.76%	0.460%
170	11.570	11.553	11.593	VV	276942	5483997	12.32%	0.384%
171	11.602	11.593	11.631	VV	191130	4014070	9.02%	0.281%
172	11.651	11.631	11.659	VV	235954	3577741	8.04%	0.250%
173	11.667	11.659	11.681	VV	236984	2875964	6.46%	0.201%
174	11.702	11.681	11.738	VV	370961	8479396	19.05%	0.593%
175	11.768	11.738	11.789	VV	229615	5284608	11.88%	0.370%
176	11.828	11.789	11.850	VV	315091	7269319	16.33%	0.509%
177	11.863	11.850	11.897	VV	183326	4462927	10.03%	0.312%
178	11.912	11.897	11.918	VV	149586	1816087	4.08%	0.127%
179	11.944	11.918	11.962	VV	742333	10511485	23.62%	0.735%
180	11.980	11.962	11.995	VV	395651	6051622	13.60%	0.423%
181	12.012	11.995	12.044	VV	456530	7328919	16.47%	0.513%
182	12.076	12.044	12.104	VV	184438	5360341	12.05%	0.375%
183	12.128	12.104	12.144	VV	334416	5540932	12.45%	0.388%
184	12.161	12.144	12.207	VV	326097	7304575	16.41%	0.511%
185	12.226	12.207	12.244	VV	144401	2862537	6.43%	0.200%
186	12.271	12.244	12.295	VV	203186	4990051	11.21%	0.349%
187	12.315	12.295	12.332	VV	193022	3477108	7.81%	0.243%
188	12.344	12.332	12.364	VV	146150	2672889	6.01%	0.187%
189	12.379	12.364	12.399	VV	154638	2727446	6.13%	0.191%
190	12.416	12.399	12.429	VV	132597	2263651	5.09%	0.158%
191	12.444	12.429	12.458	VV	127052	2129662	4.79%	0.149%
192	12.479	12.458	12.493	VV	173632	3049890	6.85%	0.213%
193	12.513	12.493	12.527	VV	190653	3339638	7.50%	0.234%
194	12.537	12.527	12.566	VV	194445	3327838	7.48%	0.233%

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195	12.592	12.566	12.611	VV	148682	3258229	7.32%	0.228%
196	12.626	12.611	12.640	VV	131101	2038754		
197	12.656	12.640	12.686	VV	138294	3446189		
198	12.721	12.686	12.746	VV	161720	4611085		
199	12.768	12.746	12.809	VV	242362	6051538		
200	12.848	12.809	12.856	VV	135341	3155390		
201	12.880	12.856	12.900	VV	336474	5872611	13.20%	0.411%
202	12.915	12.900	12.931	VV	211604	3264705	7.34%	0.228%
203	12.942	12.931	12.971	VV	175523	3193634	7.18%	0.223%
204	12.993	12.971	13.038	VV	162952	4733802	10.64%	0.331%
205	13.047	13.038	13.063	VV	80170	1137457	2.56%	0.080%
206	13.092	13.063	13.101	VV	93578	1907870	4.29%	0.133%
207	13.117	13.101	13.139	VV	108594	2196704	4.94%	0.154%
208	13.150	13.139	13.165	VV	84607	1212921	2.73%	0.085%
209	13.183	13.165	13.199	VV	94558	1757752	3.95%	0.123%
210	13.210	13.199	13.219	VV	85431	1012646	2.28%	0.071%
211	13.241	13.219	13.266	VV	91339	2269519	5.10%	0.159%
212	13.289	13.266	13.337	VV	127602	3745993	8.42%	0.262%
213	13.374	13.337	13.404	VV	155805	4028579	9.05%	0.282%
214	13.427	13.404	13.452	VV	99684	2560068	5.75%	0.179%
215	13.465	13.452	13.487	VV	87092	1673197	3.76%	0.117%
216	13.497	13.487	13.526	VV	75091	1552799	3.49%	0.109%
217	13.575	13.526	13.601	VV	111952	3729464	8.38%	0.261%
218	13.623	13.601	13.666	VV	131994	3191560	7.17%	0.223%
219	13.686	13.666	13.700	VV	87603	1441630	3.24%	0.101%
220	13.717	13.700	13.740	VV	94171	1809673	4.07%	0.127%
221	13.764	13.740	13.783	VV	90961	1840518	4.14%	0.129%
222	13.796	13.783	13.820	VV	65992	1322295	2.97%	0.093%
223	13.841	13.820	13.856	VV	61980	1223233	2.75%	0.086%
224	13.878	13.856	13.901	VV	76757	1709865	3.84%	0.120%
225	13.920	13.901	13.937	VV	51677	1078989	2.42%	0.075%
226	13.949	13.937	13.964	VV	44677	681689	1.53%	0.048%
227	13.990	13.964	14.011	VV	60269	1423114	3.20%	0.100%
228	14.028	14.011	14.044	VV	64365	1154283	2.59%	0.081%
229	14.063	14.044	14.097	VV	60914	1674329	3.76%	0.117%
230	14.107	14.097	14.123	VV	41733	639544	1.44%	0.045%
231	14.156	14.123	14.182	VV	68207	1836416	4.13%	0.128%
232	14.197	14.182	14.218	VV	54403	970049	2.18%	0.068%
233	14.241	14.218	14.250	VV	40530	753251	1.69%	0.053%
234	14.256	14.250	14.306	VV	40627	1196007	2.69%	0.084%
235	14.335	14.306	14.343	VV	40418	776435	1.74%	0.054%
236	14.350	14.343	14.410	VV	40399	1344249	3.02%	0.094%
237	14.433	14.410	14.454	VV	36434	883920	1.99%	0.062%
238	14.495	14.454	14.522	VV	44838	1398328	3.14%	0.098%
239	14.536	14.522	14.541	VV	29383	323291	0.73%	0.023%
240	14.549	14.541	14.554	VV	30010	235588	0.53%	0.016%
241	14.590	14.554	14.606	VV	37347	1052400	2.36%	0.074%
242	14.613	14.606	14.642	VV	35041	682650	1.53%	0.048%
243	14.648	14.642	14.665	VV	27103	355749	0.80%	0.025%
244	14.696	14.665	14.707	VV	33660	760811	1.71%	0.053%
245	14.719	14.707	14.769	VV	33672	1092045	2.45%	0.076%
246	14.803	14.769	14.809	VV	34231	703380	1.58%	0.049%

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247	14.820	14.809	14.841	VV	35115	590937	1.33%	0.041%
248	14.858	14.841	14.876	VV	33462	595464	1	
249	14.891	14.876	14.921	VV	26536	625543	1	
250	14.926	14.921	14.931	VV	21118	124023	0	
251	14.950	14.931	14.959	VV	22329	358417	0	
252	14.979	14.959	15.001	VV	27506	607879	1	
253	15.016	15.001	15.039	VV	23861	495493	1.11%	0.035%
254	15.044	15.039	15.050	VV	19765	125657	0.28%	0.009%
255	15.055	15.050	15.078	VV	19597	311254	0.70%	0.022%
256	15.121	15.078	15.137	VV	19582	652516	1.47%	0.046%
257	15.170	15.137	15.195	VV	22276	666815	1.50%	0.047%
258	15.213	15.195	15.239	VV	23803	522904	1.18%	0.037%
259	15.257	15.239	15.286	VV	20110	503548	1.13%	0.035%
260	15.291	15.286	15.299	VV	16011	123683	0.28%	0.009%
261	15.318	15.299	15.339	VV	20630	451732	1.02%	0.032%
262	15.369	15.339	15.397	VV	22158	696877	1.57%	0.049%
263	15.412	15.397	15.439	VV	17767	398712	0.90%	0.028%
264	15.477	15.439	15.511	VV	20477	705972	1.59%	0.049%
265	15.519	15.511	15.538	VV	12885	200113	0.45%	0.014%
266	15.557	15.538	15.562	VV	12561	173341	0.39%	0.012%
267	15.574	15.562	15.580	VV	12435	125951	0.28%	0.009%
268	15.609	15.580	15.651	VV	28683	800797	1.80%	0.056%
269	15.657	15.651	15.669	VV	14578	147666	0.33%	0.010%
270	15.681	15.669	15.708	VV	13402	274623	0.62%	0.019%
271	15.731	15.708	15.736	VV	11281	172347	0.39%	0.012%
272	15.769	15.736	15.786	VV	14815	380383	0.85%	0.027%
273	15.800	15.786	15.824	VV	12293	255523	0.57%	0.018%
274	15.846	15.824	15.867	VV	21516	395578	0.89%	0.028%
275	15.884	15.867	15.912	VV	15695	324545	0.73%	0.023%
276	15.963	15.912	15.976	VV	11477	372568	0.84%	0.026%
277	16.004	15.976	16.049	VV	14262	510626	1.15%	0.036%
278	16.059	16.049	16.064	VV	9816	86870	0.20%	0.006%
279	16.075	16.064	16.102	VV	11165	223106	0.50%	0.016%
280	16.133	16.102	16.137	VV	9279	178976	0.40%	0.013%
281	16.146	16.137	16.164	VV	9498	138578	0.31%	0.010%
282	16.174	16.164	16.191	VV	8956	136707	0.31%	0.010%
283	16.209	16.191	16.222	VV	9058	159384	0.36%	0.011%
284	16.236	16.222	16.250	VV	8291	130268	0.29%	0.009%
285	16.278	16.250	16.326	VV	9227	364344	0.82%	0.025%
286	16.346	16.326	16.371	VV	7847	185394	0.42%	0.013%
287	16.384	16.371	16.396	VV	5946	77621	0.17%	0.005%
288	16.446	16.396	16.471	VV	11415	336458	0.76%	0.024%
289	16.484	16.471	16.504	VV	8016	140134	0.31%	0.010%
290	16.548	16.504	16.579	VV	10003	338140	0.76%	0.024%
291	16.595	16.579	16.608	VV	7200	113652	0.26%	0.008%
292	16.649	16.608	16.680	VV	11003	339035	0.76%	0.024%
293	16.698	16.680	16.706	VV	6052	80780	0.18%	0.006%
294	16.711	16.706	16.715	VV	5949	27797	0.06%	0.002%
295	16.735	16.715	16.766	VV	10693	238488	0.54%	0.017%
296	16.770	16.766	16.797	VV	5655	97509	0.22%	0.007%
297	16.827	16.797	16.843	VV	5446	132231	0.30%	0.009%
298	16.870	16.843	16.891	VV	7536	182682	0.41%	0.013%
299	16.895	16.891	16.904	VV	5299	38920	0.09%	0.003%

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300	16.921	16.904	16.944	VV	5903	124457	0.28%	0.009%
301	16.961	16.944	16.992	VV	6251	142725		
302	17.023	16.992	17.038	VV	6847	156546		
303	17.055	17.038	17.084	VV	9566	189301		
304	17.089	17.084	17.094	VV	4999	27791		
305	17.118	17.094	17.140	VV	6693	152737		
306	17.161	17.140	17.184	VV	5389	121638	0.27%	0.009%
307	17.211	17.184	17.215	VV	6143	92830	0.21%	0.006%
308	17.221	17.215	17.238	VV	6628	85784	0.19%	0.006%
309	17.252	17.238	17.289	VV	8490	171739	0.39%	0.012%
310	17.294	17.289	17.301	VV	3857	23934	0.05%	0.002%
311	17.331	17.301	17.343	VV	4385	97478	0.22%	0.007%
312	17.346	17.343	17.357	VV	4179	32840	0.07%	0.002%
313	17.369	17.357	17.394	VV	4175	78299	0.18%	0.005%
314	17.400	17.394	17.407	VV	3932	28675	0.06%	0.002%
315	17.414	17.407	17.419	VV	4246	27774	0.06%	0.002%
316	17.446	17.419	17.474	VV	6893	172088	0.39%	0.012%
317	17.478	17.474	17.499	VV	4680	59053	0.13%	0.004%
318	17.517	17.499	17.539	VV	6471	114002	0.26%	0.008%
319	17.553	17.539	17.558	VV	4878	50634	0.11%	0.004%
320	17.563	17.558	17.589	VV	4707	72739	0.16%	0.005%
321	17.616	17.589	17.632	VV	7482	142862	0.32%	0.010%
322	17.643	17.632	17.666	VV	5839	99003	0.22%	0.007%
323	17.689	17.666	17.701	VV	3585	65289	0.15%	0.005%
324	17.709	17.701	17.714	VV	3235	22612	0.05%	0.002%
325	17.720	17.714	17.727	VV	3150	24087	0.05%	0.002%
326	17.736	17.727	17.751	VV	3316	44972	0.10%	0.003%
327	17.771	17.751	17.807	VV	4564	112262	0.25%	0.008%
328	17.820	17.807	17.861	VV	4431	101668	0.23%	0.007%
329	17.885	17.861	17.911	VV	2814	63457	0.14%	0.004%
330	17.922	17.911	17.931	VV	2396	23807	0.05%	0.002%
331	17.939	17.931	17.974	VV	2337	43999	0.10%	0.003%
332	17.978	17.974	17.986	VV	1913	12456	0.03%	0.001%
333	17.994	17.986	18.016	VV	3029	40436	0.09%	0.003%
334	18.022	18.016	18.040	VV	2602	27780	0.06%	0.002%
335	18.062	18.040	18.067	VV	2717	34893	0.08%	0.002%
336	18.097	18.067	18.117	VV	5141	101428	0.23%	0.007%
337	18.139	18.117	18.148	VV	2572	39983	0.09%	0.003%
338	18.159	18.148	18.164	VV	2710	22870	0.05%	0.002%
339	18.174	18.164	18.193	VV	2993	41702	0.09%	0.003%
340	18.200	18.193	18.208	VV	2178	16276	0.04%	0.001%
341	18.235	18.208	18.251	VV	4018	76657	0.17%	0.005%
342	18.279	18.251	18.312	VV	4997	106320	0.24%	0.007%
343	18.321	18.312	18.327	VV	1961	14805	0.03%	0.001%
344	18.338	18.327	18.357	VV	2994	39170	0.09%	0.003%
345	18.368	18.357	18.382	VV	2799	35271	0.08%	0.002%
346	18.388	18.382	18.402	VV	2808	23737	0.05%	0.002%
347	18.409	18.402	18.424	VV	1366	15133	0.03%	0.001%
348	18.450	18.424	18.479	VV	8465	151532	0.34%	0.011%
349	18.491	18.479	18.508	VV	3544	47322	0.11%	0.003%
350	18.520	18.508	18.542	VV	2329	33870	0.08%	0.002%
351	18.555	18.542	18.571	VV	1151	10976	0.02%	0.001%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

352	18.579	18.571	18.586	PV	478	2497	0.01%	0.000%
353	18.608	18.586	18.638	VV	4192	70601	0	
354	18.651	18.638	18.661	VV	1272	13276	0	
355	18.671	18.661	18.678	VV	1081	8543	0	
356	18.683	18.678	18.687	VV	792	3709	0	
357	18.693	18.687	18.722	VV	1085	14249	0	
358	18.743	18.722	18.790	VV	3067	54511	0.12%	0.004%

Sum of corrected areas: 1429504800

Aromatic EPH 020525.M Fri Feb 07 14:40:38 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-10DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-09DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052311.D	10	02/06/25	02/10/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	647	E	4.90	12.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1280	E	3.10	8.60	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	428	E	3.87	12.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	74.4		10.3	17.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.7		23.2	25.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.45		40 - 140	109%	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:	Q1308-09DL	Acq On:	10 Feb 2025 10:30
Client Sample ID:	EX-11-TPH-10DL	Operator:	YP\AJ
Data file:	FE052311.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	72331675	752.011	300	ug/ml
Aliphatic C12-C16	7.241	10.644	155620826	1490	200	ug/ml
Aliphatic C16-C21	10.645	13.990	56260035	497.778	300	ug/ml
Aliphatic C21-C28	13.991	17.632	9851267	86.416	400	ug/ml
Aliphatic C28-C40	17.633	22.724	4434278	48.434	600	ug/ml
Aliphatic EPH	3.682	22.724	298498081	2870		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.726	13.726	537758	5.45		ug/ml
Aliphatic C9-C28	3.682	17.632	294063803	2820	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052311.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 10:30
Operator : YP\AJ
Sample : Q1308-09DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 11 03:56:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-10DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.726	537758	5.449 ug/mlm
Spiked Amount 50.000		Recovery = 10.90%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052311.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 10:30
Operator : YP\AJ
Sample : Q1308-09DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

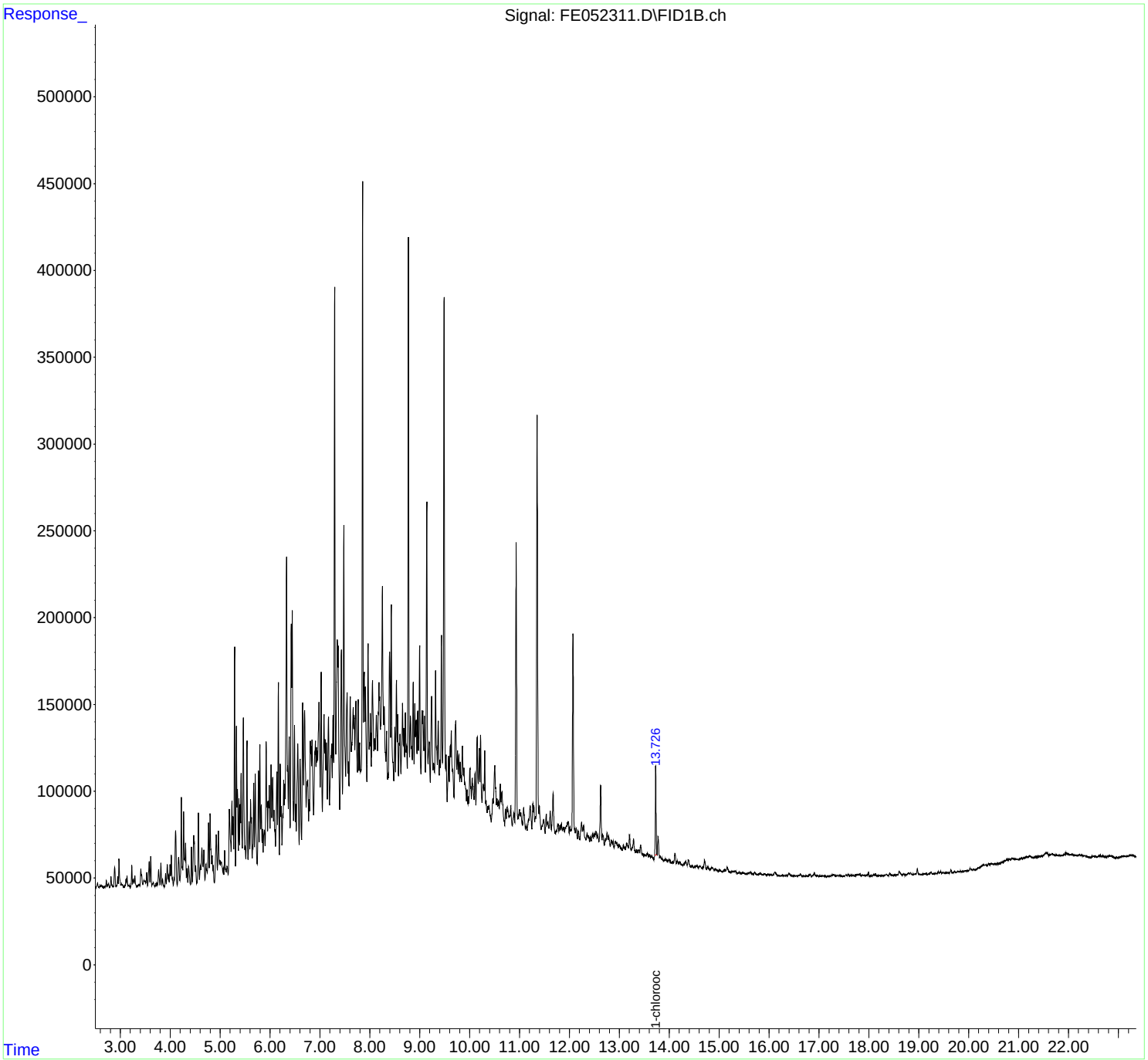
Integration File: autoint1.e
Quant Time: Feb 11 03:56:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

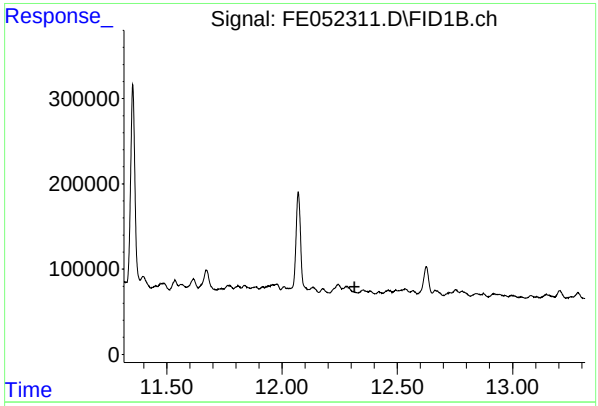
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025





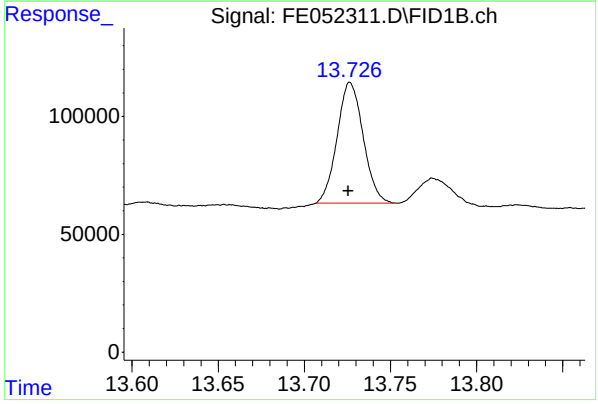
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.726 min
Delta R.T.: 0.000 min
Response: 537758
Conc: 5.45 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02102
Data File : FE052311.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 10:30
Sample : Q1308-09DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.308	4.294	4.325	VV	23685	275005	4.81%	0.092%
2	4.337	4.325	4.352	VV	8935	86678	1.51%	0.029%
3	4.370	4.352	4.408	VV	10185	150986	2.64%	0.051%
4	4.426	4.408	4.444	PV	21374	195825	3.42%	0.066%
5	4.472	4.444	4.532	VV	27843	659923	11.53%	0.221%
6	4.566	4.532	4.586	VV	40961	473719	8.28%	0.159%
7	4.604	4.586	4.613	VV	10288	123464	2.16%	0.041%
8	4.635	4.613	4.656	VV	20920	366033	6.40%	0.123%
9	4.675	4.656	4.697	VV	19612	282520	4.94%	0.095%
10	4.716	4.697	4.741	VV	11616	201573	3.52%	0.068%
11	4.769	4.741	4.783	VV	35147	479408	8.38%	0.161%
12	4.800	4.783	4.830	VV	40302	640807	11.20%	0.215%
13	4.841	4.830	4.885	VV	16437	293391	5.13%	0.098%
14	4.923	4.885	4.945	VV	28257	517050	9.04%	0.173%
15	4.966	4.945	4.988	VV	30709	484741	8.47%	0.162%
16	4.998	4.988	5.010	VV	13567	161449	2.82%	0.054%
17	5.025	5.010	5.054	VV	12728	285563	4.99%	0.096%
18	5.063	5.054	5.074	VV	9192	94920	1.66%	0.032%
19	5.092	5.074	5.121	VV	19439	312122	5.46%	0.105%
20	5.142	5.121	5.161	VV	10073	195308	3.41%	0.065%
21	5.186	5.161	5.220	VV	43084	907441	15.86%	0.304%
22	5.236	5.220	5.248	VV	47470	569440	9.95%	0.191%
23	5.258	5.248	5.275	VV	38835	490821	8.58%	0.164%
24	5.290	5.275	5.309	VV	135973	1352906	23.65%	0.453%
25	5.327	5.309	5.365	VV	89597	1613335	28.20%	0.540%
26	5.378	5.365	5.390	VV	49258	504665	8.82%	0.169%
27	5.420	5.390	5.444	VV	63518	1290653	22.56%	0.432%
28	5.465	5.444	5.514	VV	95557	1751630	30.61%	0.587%
29	5.580	5.559	5.596	VV	36022	560039	9.79%	0.188%
30	5.612	5.596	5.644	VV	48606	940366	16.44%	0.315%
31	5.673	5.644	5.687	VV	57831	831108	14.53%	0.278%
32	5.704	5.687	5.742	VV	63329	1092487	19.09%	0.366%
33	5.769	5.742	5.782	VV	64750	876592	15.32%	0.294%
34	5.797	5.782	5.814	VV	79400	983129	17.18%	0.329%
35	5.825	5.814	5.841	VV	45697	598334	10.46%	0.200%
36	5.850	5.841	5.862	VV	31632	335238	5.86%	0.112%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

37	5.886	5.862	5.901	VV	31296	620511	10.85%	0.208%
38	5.924	5.901	5.953	VV	82096	1518665	26	
39	5.986	5.953	6.001	VV	56827	1272809	22	
40	6.021	6.001	6.037	VV	68629	1122394	19	
41	6.053	6.037	6.071	VV	61441	1001456	17	
42	6.080	6.071	6.110	VV	42678	794123	13	
43	6.137	6.110	6.151	VV	64848	1067508	18.66%	0.358%
44	6.167	6.151	6.188	VV	116303	1383408	24.18%	0.463%
45	6.205	6.188	6.241	VV	69004	1334043	23.32%	0.447%
46	6.275	6.241	6.285	VV	59774	1113346	19.46%	0.373%
47	6.295	6.285	6.303	VV	57756	584792	10.22%	0.196%
48	6.331	6.303	6.367	VV	188739	3630290	63.45%	1.216%
49	6.384	6.367	6.403	VV	84915	1288142	22.51%	0.432%
50	6.425	6.403	6.435	VV	149886	1852917	32.38%	0.621%
51	6.446	6.435	6.472	VV	156652	2063943	36.07%	0.691%
52	6.491	6.472	6.527	VV	91521	1715513	29.98%	0.575%
53	6.557	6.527	6.584	VV	80889	1844927	32.24%	0.618%
54	6.603	6.584	6.632	VV	72223	1386230	24.23%	0.464%
55	6.653	6.632	6.673	VV	103048	1700367	29.72%	0.570%
56	6.693	6.673	6.725	VV	100476	2326179	40.66%	0.779%
57	6.755	6.725	6.774	VV	59737	1558754	27.24%	0.522%
58	6.786	6.774	6.792	VV	48487	465414	8.13%	0.156%
59	6.809	6.792	6.832	VV	81987	1670254	29.19%	0.560%
60	6.843	6.832	6.874	VV	82054	1583174	27.67%	0.530%
61	6.910	6.874	6.921	VV	82195	1897773	33.17%	0.636%
62	6.931	6.921	6.941	VV	78888	869814	15.20%	0.291%
63	6.949	6.941	6.956	VV	76437	671535	11.74%	0.225%
64	6.981	6.956	7.007	VV	104229	2562932	44.79%	0.859%
65	7.025	7.007	7.049	VV	121740	2023577	35.37%	0.678%
66	7.082	7.049	7.095	VV	97930	2016084	35.24%	0.675%
67	7.104	7.095	7.116	VV	83686	965554	16.88%	0.323%
68	7.130	7.116	7.150	VV	81579	1388367	24.27%	0.465%
69	7.172	7.150	7.193	VV	96381	1860942	32.52%	0.623%
70	7.235	7.193	7.247	VV	80565	2197269	38.40%	0.736%
71	7.263	7.247	7.275	VV	97636	1343604	23.48%	0.450%
72	7.295	7.275	7.318	VV	342776	4419980	77.25%	1.481%
73	7.350	7.318	7.397	VV	140384	4769406	83.36%	1.598%
74	7.430	7.397	7.454	VV	134722	2872925	50.21%	0.962%
75	7.479	7.454	7.517	VV	204546	3942382	68.90%	1.321%
76	7.544	7.517	7.581	VV	110135	3134952	54.79%	1.050%
77	7.608	7.581	7.629	VV	107746	2386083	41.70%	0.799%
78	7.667	7.629	7.679	VV	101632	2614318	45.69%	0.876%
79	7.687	7.679	7.700	VV	96936	1166344	20.38%	0.391%
80	7.722	7.700	7.751	VV	105523	2643422	46.20%	0.886%
81	7.767	7.751	7.783	VV	105952	1642034	28.70%	0.550%
82	7.796	7.783	7.818	VV	81006	1475469	25.79%	0.494%
83	7.855	7.818	7.873	VV	402585	5313550	92.87%	1.780%
84	7.887	7.873	7.902	VV	121654	1964147	34.33%	0.658%
85	7.912	7.902	7.940	VV	112705	2012188	35.17%	0.674%
86	7.965	7.940	7.997	VV	138193	3180915	55.59%	1.066%
87	8.012	7.997	8.029	VV	97942	1613231	28.20%	0.540%
88	8.053	8.029	8.083	VV	116817	3000047	52.43%	1.005%
89	8.096	8.083	8.108	VV	83309	1243413	21.73%	0.417%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL

rteres

90	8.132	8.108	8.155	VV	96977	2416605	42.24%	0.810%
91	8.184	8.155	8.213	VV	115634	3475149	60	
92	8.252	8.213	8.279	VV	171182	4592592	80	
93	8.336	8.321	8.371	VV	88341	2137998	37	
94	8.397	8.371	8.416	VV	133275	2737875	47	
95	8.431	8.416	8.480	VV	160846	3600798	62	
96	8.502	8.480	8.516	VV	89934	1592373	27.83%	0.533%
97	8.558	8.549	8.575	VV	97204	1271974	22.23%	0.426%
98	8.605	8.575	8.623	VV	86243	2225157	38.89%	0.745%
99	8.683	8.672	8.697	VV	89139	1262464	22.06%	0.423%
100	8.713	8.697	8.729	VV	98780	1647967	28.80%	0.552%
101	8.737	8.729	8.751	VV	79023	970479	16.96%	0.325%
102	8.774	8.751	8.798	VV	374264	4924891	86.08%	1.650%
103	8.816	8.798	8.851	VV	96543	2669768	46.66%	0.894%
104	8.870	8.851	8.888	VV	116179	2024327	35.38%	0.678%
105	8.903	8.888	8.916	VV	102876	1491216	26.06%	0.500%
106	8.929	8.916	8.945	VV	94167	1528157	26.71%	0.512%
107	8.960	8.945	8.976	VV	99814	1642669	28.71%	0.550%
108	9.063	9.025	9.080	VV	100024	2897059	50.63%	0.971%
109	9.095	9.080	9.113	VV	96737	1629415	28.48%	0.546%
110	9.142	9.113	9.166	VV	219093	3795444	66.34%	1.272%
111	9.189	9.166	9.211	VV	81762	1967581	34.39%	0.659%
112	9.239	9.211	9.268	VV	107395	2807630	49.07%	0.941%
113	9.279	9.268	9.297	VV	69665	1171812	20.48%	0.393%
114	9.319	9.297	9.353	VV	122824	2886811	50.45%	0.967%
115	9.372	9.353	9.391	VV	93582	1801499	31.49%	0.604%
116	9.405	9.391	9.414	VV	71266	911250	15.93%	0.305%
117	9.436	9.414	9.456	VV	143506	2481480	43.37%	0.831%
118	9.488	9.456	9.519	VV	338535	5721600	100.00%	1.917%
119	9.529	9.519	9.550	VV	74206	1225763	21.42%	0.411%
120	9.580	9.550	9.593	VV	74265	1579810	27.61%	0.529%
121	9.612	9.593	9.621	VV	79601	1191044	20.82%	0.399%
122	9.633	9.621	9.687	VV	87663	2701632	47.22%	0.905%
123	9.721	9.687	9.743	VV	93404	2578857	45.07%	0.864%
124	9.758	9.743	9.772	VV	76757	1222104	21.36%	0.409%
125	9.786	9.772	9.802	VV	73925	1224730	21.41%	0.410%
126	9.814	9.802	9.838	VV	69830	1342895	23.47%	0.450%
127	9.855	9.838	9.877	VV	79450	1645075	28.75%	0.551%
128	9.887	9.877	9.937	VV	66666	2082060	36.39%	0.698%
129	9.949	9.937	9.965	VV	54203	840174	14.68%	0.281%
130	9.976	9.965	9.985	VV	50354	584572	10.22%	0.196%
131	10.005	9.985	10.037	VV	66630	1780868	31.13%	0.597%
132	10.053	10.037	10.088	VV	60987	1674749	29.27%	0.561%
133	10.150	10.127	10.173	VV	84712	1831648	32.01%	0.614%
134	10.192	10.173	10.205	VV	78029	1302582	22.77%	0.436%
135	10.221	10.205	10.249	VV	85650	1700157	29.71%	0.570%
136	10.268	10.249	10.287	VV	57513	1235430	21.59%	0.414%
137	10.388	10.351	10.432	VV	45378	2044799	35.74%	0.685%
138	10.465	10.432	10.474	VV	49023	1072939	18.75%	0.359%
139	10.505	10.474	10.538	VV	68167	2175593	38.02%	0.729%
140	10.549	10.538	10.563	VV	49033	693837	12.13%	0.232%
141	10.578	10.563	10.594	VV	47800	867058	15.15%	0.290%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL

Manual IntegrationsAPPROVED

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rteres

142	10.721	10.703	10.735	VV	43217	772077	13.49%	0.259%
143	10.751	10.735	10.762	VV	44119	677030	11	
144	10.767	10.762	10.801	VV	42517	929672	16	
145	10.825	10.801	10.854	VV	45059	1265865	22	
146	10.886	10.854	10.903	VV	40614	1105249	19	
147	10.999	10.965	11.013	VV	42786	1157741	20	
148	11.024	11.013	11.054	VV	40818	942408	16.47%	0.316%
149	11.083	11.054	11.119	VV	43995	1479027	25.85%	0.495%
150	11.134	11.119	11.155	VV	33608	697665	12.19%	0.234%
151	11.180	11.155	11.186	VV	37102	669109	11.69%	0.224%
152	11.267	11.247	11.277	VV	46555	735729	12.86%	0.246%
153	11.287	11.277	11.305	VV	45118	692267	12.10%	0.232%
154	11.353	11.305	11.385	VV	268139	4690464	81.98%	1.571%
155	11.398	11.385	11.433	VV	44906	1108311	19.37%	0.371%
156	11.485	11.433	11.511	VV	36650	1594229	27.86%	0.534%
157	11.536	11.511	11.552	VV	40164	868644	15.18%	0.291%
158	11.563	11.552	11.585	VV	35313	664647	11.62%	0.223%
159	11.616	11.585	11.637	VV	42010	1146267	20.03%	0.384%
160	11.672	11.637	11.718	VV	52196	1813150	31.69%	0.607%
161	11.738	11.718	11.747	VV	30642	522015	9.12%	0.175%
162	11.809	11.790	11.823	VV	33814	639953	11.18%	0.214%
163	11.837	11.823	11.864	VV	34109	787795	13.77%	0.264%
164	11.885	11.864	11.901	VV	32519	710236	12.41%	0.238%
165	11.977	11.901	11.995	VV	35696	1869178	32.67%	0.626%
166	12.009	11.995	12.034	VV	32929	738898	12.91%	0.248%
167	12.071	12.034	12.116	VV	143497	2985609	52.18%	1.000%
168	12.134	12.116	12.160	VV	31869	778083	13.60%	0.261%
169	12.177	12.160	12.208	VV	30407	801016	14.00%	0.268%
170	12.243	12.208	12.261	VV	35755	1002079	17.51%	0.336%
171	12.280	12.261	12.331	VV	32884	1229772	21.49%	0.412%
172	12.352	12.331	12.373	VV	28862	694234	12.13%	0.233%
173	12.383	12.373	12.405	VV	27892	493736	8.63%	0.165%
174	12.420	12.405	12.436	VV	27027	489739	8.56%	0.164%
175	12.534	12.479	12.554	VV	30284	1281979	22.41%	0.429%
176	12.568	12.554	12.588	VV	28328	539494	9.43%	0.181%
177	12.626	12.588	12.652	VV	56719	1414150	24.72%	0.474%
178	12.665	12.652	12.700	VV	28319	756344	13.22%	0.253%
179	12.753	12.700	12.770	VV	29468	1083956	18.94%	0.363%
180	12.781	12.770	12.817	VV	27758	716402	12.52%	0.240%
181	12.842	12.817	12.861	VV	24834	629183	11.00%	0.211%
182	12.874	12.861	12.895	VV	24813	469701	8.21%	0.157%
183	12.919	12.895	12.981	VV	24479	1176854	20.57%	0.394%
184	12.996	12.981	13.055	VV	22481	939953	16.43%	0.315%
185	13.079	13.055	13.096	VV	22465	520051	9.09%	0.174%
186	13.104	13.096	13.119	VV	21147	280378	4.90%	0.094%
187	13.146	13.119	13.181	VV	23626	825326	14.42%	0.276%
188	13.204	13.181	13.235	VV	28080	749635	13.10%	0.251%
189	13.283	13.235	13.331	VV	25725	1216971	21.27%	0.408%
190	13.349	13.331	13.366	VV	19803	388299	6.79%	0.130%
191	13.386	13.366	13.405	VV	19696	443116	7.74%	0.148%
192	13.425	13.405	13.466	VV	22669	712764	12.46%	0.239%
193	13.474	13.466	13.488	VV	16994	215579	3.77%	0.072%
194	13.502	13.488	13.538	VV	17034	499464	8.73%	0.167%

Instrument :
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EX-11-TPH-10DL

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rteres

195	13.560	13.538	13.590	VV	17626	521143	9.11%	0.175%
196	13.607	13.590	13.636	VV	17122	448583	7	
197	13.654	13.636	13.684	VV	16049	447686	7	
198	13.727	13.684	13.754	VV	67327	1213230	21	
199	13.775	13.754	13.810	VV	27274	687947	12	
200	13.824	13.810	13.895	VV	15960	736579	12	
201	13.911	13.895	13.923	VV	14253	233430	4.08%	0.078%
202	13.941	13.923	13.967	VV	14045	359944	6.29%	0.121%
203	13.994	13.967	14.048	VH	14173	641792	11.22%	0.215%
204	14.061	14.048	14.082	HH	12878	257481	4.50%	0.086%
205	14.114	14.082	14.140	HH	17711	504913	8.82%	0.169%
206	14.158	14.140	14.187	HH	13215	346374	6.05%	0.116%
207	14.207	14.187	14.275	HH	12998	618898	10.82%	0.207%
208	14.325	14.275	14.356	HH	12709	571643	9.99%	0.192%
209	14.437	14.428	14.448	HH	10161	122132	2.13%	0.041%
210	14.461	14.448	14.490	HH	10377	250473	4.38%	0.084%
211	14.514	14.490	14.585	HH	10454	568251	9.93%	0.190%
212	14.706	14.645	14.741	HH	13494	599909	10.48%	0.201%
213	14.853	14.816	14.899	HH	9577	436827	7.63%	0.146%
214	14.921	14.899	14.988	HH	8595	434042	7.59%	0.145%
215	15.011	14.988	15.064	HH	8204	345965	6.05%	0.116%
216	15.104	15.064	15.128	HH	8179	293190	5.12%	0.098%
217	15.273	15.221	15.296	HH	7405	317293	5.55%	0.106%
218	15.780	15.758	15.796	HH	5599	125974	2.20%	0.042%
219	15.910	15.879	15.945	HH	5817	216355	3.78%	0.072%
220	15.985	15.945	16.001	HH	5379	178110	3.11%	0.060%
221	16.069	16.061	16.078	HH	5164	51341	0.90%	0.017%
222	16.266	16.226	16.289	HH	5276	185133	3.24%	0.062%
223	16.305	16.289	16.320	HH	4830	87613	1.53%	0.029%
224	16.340	16.320	16.363	HH	5001	122572	2.14%	0.041%
225	16.532	16.501	16.558	HH	4813	159152	2.78%	0.053%
226	16.563	16.558	16.571	HH	4766	37832	0.66%	0.013%
227	16.629	16.571	16.672	HH	5497	297273	5.20%	0.100%
228	16.681	16.672	16.725	HH	4652	140796	2.46%	0.047%
229	16.764	16.725	16.781	HH	4739	156043	2.73%	0.052%
230	16.905	16.856	16.943	HH	5908	267777	4.68%	0.090%
231	16.977	16.943	16.998	HV	4978	152740	2.67%	0.051%
232	17.015	16.998	17.043	VV	4605	119428	2.09%	0.040%
233	17.101	17.085	17.175	VV	4446	213031	3.72%	0.071%
234	17.248	17.175	17.258	VV	4222	196820	3.44%	0.066%
235	17.289	17.258	17.331	VV	4581	187000	3.27%	0.063%
236	17.343	17.331	17.384	VV	3961	118937	2.08%	0.040%
237	17.407	17.384	17.475	VV	4019	194178	3.39%	0.065%
238	17.533	17.475	17.568	VV	3779	191100	3.34%	0.064%
239	17.584	17.568	17.609	VV	4029	87944	1.54%	0.029%
240	17.622	17.609	17.638	VV	3277	54935	0.96%	0.018%
241	17.656	17.638	17.721	VV	3446	155068	2.71%	0.052%
242	17.762	17.721	17.798	VV	3493	149287	2.61%	0.050%
243	17.819	17.798	17.847	VV	3573	93784	1.64%	0.031%
244	17.877	17.847	17.891	VV	2933	73298	1.28%	0.025%
245	17.905	17.891	17.933	VV	2815	66129	1.16%	0.022%
246	17.988	17.933	18.016	VV	3724	134242	2.35%	0.045%

Instrument :
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EX-11-TPH-10DL

Manual IntegrationsAPPROVED

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rteres

247	18.045	18.016	18.064	VV	2281	59882	1.05%	0.020%
248	18.089	18.064	18.108	VV	2642	62315	1	
249	18.131	18.108	18.161	VV	2688	71148	1	
250	18.192	18.161	18.205	VV	1922	48665	0	
251	18.215	18.205	18.238	VV	2033	36485	0	
252	18.246	18.238	18.262	VV	1712	22564	0	
253	18.281	18.262	18.292	VV	1770	29393	0.51%	0.010%
254	18.349	18.292	18.390	VV	2445	106006	1.85%	0.036%
255	18.416	18.390	18.484	VV	2742	97981	1.71%	0.033%
256	18.504	18.484	18.518	VV	1471	26173	0.46%	0.009%
257	18.563	18.518	18.577	VV	1371	47233	0.83%	0.016%
258	18.605	18.577	18.668	VV	3472	111578	1.95%	0.037%
259	18.700	18.668	18.738	VV	1413	50525	0.88%	0.017%
260	18.800	18.738	18.818	VV	1785	66586	1.16%	0.022%
261	18.835	18.818	18.867	VV	1878	41142	0.72%	0.014%
262	18.881	18.867	18.898	VV	972	15333	0.27%	0.005%
263	18.970	18.898	19.021	VV	4030	104329	1.82%	0.035%
264	19.031	19.021	19.070	VV	649	15320	0.27%	0.005%
265	19.126	19.070	19.175	VV	857	30189	0.53%	0.010%
266	19.245	19.175	19.288	VV	1519	37000	0.65%	0.012%
267	19.390	19.288	19.408	VV	1261	31472	0.55%	0.011%
268	19.437	19.408	19.463	VV	1268	23922	0.42%	0.008%
269	19.494	19.463	19.518	VV	438	10531	0.18%	0.004%
270	19.523	19.518	19.541	VV	334	3591	0.06%	0.001%
271	19.569	19.541	19.605	VV	257	5286	0.09%	0.002%
272	19.641	19.605	19.688	VV	1425	25348	0.44%	0.008%
273	19.717	19.688	19.746	VV	720	9763	0.17%	0.003%
274	19.788	19.746	19.805	PV	455	7896	0.14%	0.003%
275	19.832	19.805	19.857	VV	527	10796	0.19%	0.004%
276	20.028	19.857	20.077	VV	1439	45777	0.80%	0.015%
277	20.094	20.077	20.126	VV	562	12428	0.22%	0.004%
278	20.263	20.126	20.275	VV	2164	97823	1.71%	0.033%
279	20.302	20.275	20.322	VV	2563	67047	1.17%	0.022%
280	20.339	20.322	20.368	VV	2348	60833	1.06%	0.020%
281	20.399	20.368	20.429	VV	2937	91677	1.60%	0.031%
282	20.464	20.429	20.497	VV	2690	102491	1.79%	0.034%
283	20.515	20.497	20.531	VV	2422	47981	0.84%	0.016%
284	20.542	20.531	20.553	VV	2338	30842	0.54%	0.010%
285	20.771	20.553	20.798	VV	3939	438626	7.67%	0.147%
286	20.879	20.798	20.901	VV	4251	249799	4.37%	0.084%
287	20.915	20.901	20.931	VV	4066	70944	1.24%	0.024%
288	21.069	20.995	21.081	VV	3823	188822	3.30%	0.063%
289	21.152	21.081	21.166	VV	4534	208507	3.64%	0.070%
290	21.215	21.166	21.290	VV	4555	308138	5.39%	0.103%
291	21.352	21.290	21.365	VV	3751	164160	2.87%	0.055%
292	21.673	21.608	21.763	VV	4435	368123	6.43%	0.123%

Sum of corrected areas: 298498080

Aliphatic EPH 020325.M Tue Feb 11 06:49:43 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-10DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-09DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015506.D	10	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	122		3.87	8.60	mg/kg
Aromatic C12-C16	Aromatic C12-C16	385	E	4.39	12.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	477	E	12.4	21.5	mg/kg
Aromatic C21-C36	Aromatic C21-C36	41.0		25.8	34.4	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	6.66		40 - 140	133%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	4.16		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.82		40 - 140	116%	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:	Q1308-09DL	Acq On:	08 Feb 2025 02:51
Client Sample ID:	EX-11-TPH-10DL	Operator:	YP\AJ
Data file:	FF015506.D	Misc:	
Instrument:	FID_F	ALS Vial:	90
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	19638035	142.179	200	ug/ml
Aromatic C12-C16	6.375	9.068	60130405	448.183	300	ug/ml
Aromatic C16-C21	9.069	13.385	68349089	554.779	500	ug/ml
Aromatic C21-C36	13.386	18.838	5618589	47.706	800	ug/ml
Aromatic EPH	4.505	18.838	153736118	1190		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	767589	5.82		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	791889	6.66		ug/ml
2-Flurobiphenyl (SURR)	8.872	8.872	315578	4.16		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015506.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 02:51
Operator : YP\AJ
Sample : Q1308-09DL 10X
Misc :
ALS Vial : 90 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-10DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.996	791889	6.663 ug/mlm
Spiked Amount 50.000		Recovery =	13.33%
6) S 2-Flurobiphenyl (SURR)	8.872	315578	4.156 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	8.31%
11) S ortho-Terphenyl (SURR)	11.931	767589	5.820 ug/mlm
Spiked Amount 50.000		Recovery =	11.64%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015506.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 02:51
Operator : YP\AJ
Sample : Q1308-09DL 10X
Misc :
ALS Vial : 90 Sample Multiplier: 1

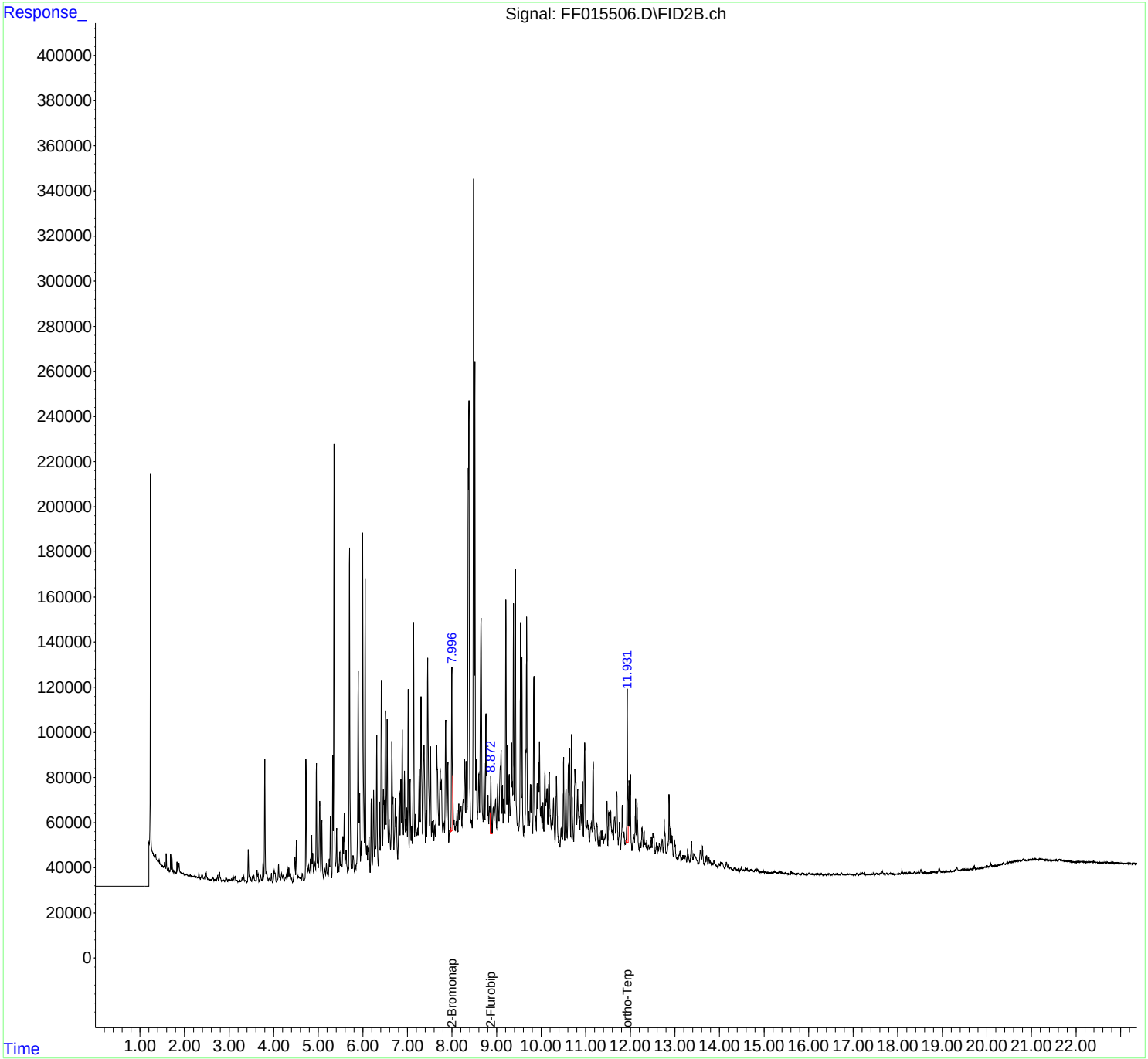
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL

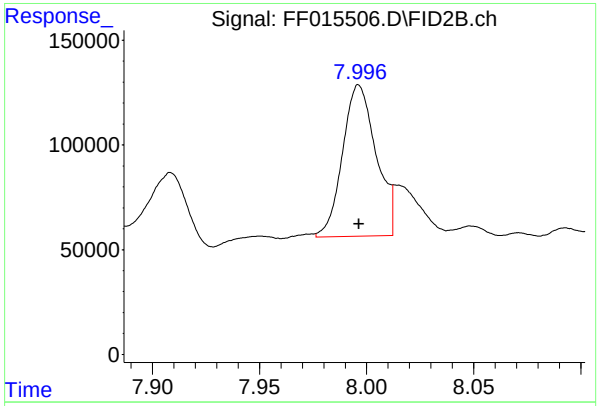
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





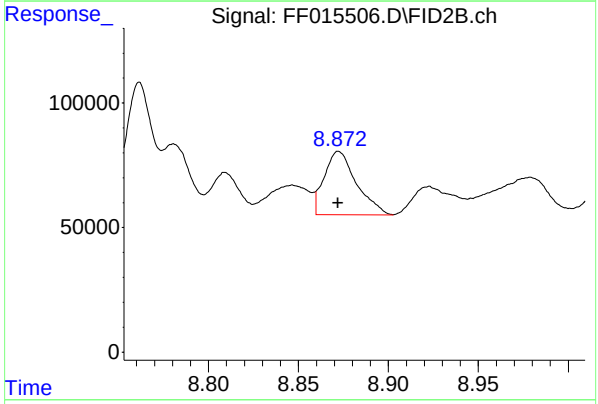
#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.000 mi
Response: 791889
Conc: 6.66 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL

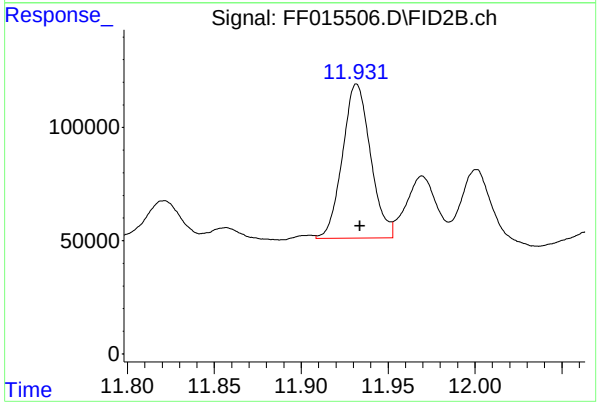
Manual Integrations
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Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 315578
Conc: 4.16 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.002 min
Response: 767589
Conc: 5.82 ug/ml m

Instrument :
FID_F
ClientSampleId :
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rteres

Area Percent Report

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Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015506.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 02:51
Sample : Q1308-09DL 10X
Misc :
ALS Vial : 90 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.479	4.401	4.493	BV	9897	127597	3.30%	0.081%
2	4.510	4.493	4.537	VV	17461	197681	5.11%	0.126%
3	4.551	4.537	4.591	VV	1719	39678	1.03%	0.025%
4	4.602	4.591	4.620	VV	1207	12437	0.32%	0.008%
5	4.641	4.620	4.669	PV	3060	41289	1.07%	0.026%
6	4.724	4.681	4.766	PV	53752	638190	16.49%	0.407%
7	4.781	4.766	4.804	VV	6772	116690	3.02%	0.074%
8	4.824	4.804	4.837	VV	9471	123000	3.18%	0.078%
9	4.853	4.837	4.866	VV	20042	213323	5.51%	0.136%
10	4.876	4.866	4.895	VV	12069	140790	3.64%	0.090%
11	4.913	4.895	4.924	VV	8109	116904	3.02%	0.075%
12	4.930	4.924	4.939	VV	7063	58655	1.52%	0.037%
13	4.958	4.939	4.978	VV	51994	573253	14.81%	0.366%
14	4.986	4.978	4.999	VV	9005	98078	2.53%	0.063%
15	5.034	4.999	5.060	VV	35237	594223	15.35%	0.379%
16	5.080	5.060	5.117	VV	26593	341647	8.83%	0.218%
17	5.148	5.117	5.165	VV	4957	95271	2.46%	0.061%
18	5.182	5.165	5.203	VV	7739	113911	2.94%	0.073%
19	5.212	5.203	5.225	VV	3414	38144	0.99%	0.024%
20	5.246	5.225	5.257	VV	9517	118064	3.05%	0.075%
21	5.273	5.257	5.302	VV	28638	330592	8.54%	0.211%
22	5.326	5.302	5.338	VV	55346	560539	14.48%	0.358%
23	5.355	5.338	5.383	VV	192492	2022566	52.26%	1.290%
24	5.412	5.383	5.431	VV	23120	332157	8.58%	0.212%
25	5.447	5.431	5.463	VV	6213	97325	2.51%	0.062%
26	5.484	5.463	5.500	VV	12630	191751	4.95%	0.122%
27	5.509	5.500	5.520	VV	7926	86618	2.24%	0.055%
28	5.527	5.520	5.534	VV	6507	51097	1.32%	0.033%
29	5.555	5.534	5.568	VV	19462	265972	6.87%	0.170%
30	5.584	5.568	5.602	VV	30023	380816	9.84%	0.243%
31	5.626	5.602	5.660	VV	13486	289027	7.47%	0.184%
32	5.700	5.660	5.740	VV	147172	1864218	48.17%	1.189%
33	5.752	5.740	5.763	VV	7162	84020	2.17%	0.054%
34	5.780	5.763	5.816	VV	10953	242234	6.26%	0.155%
35	5.832	5.816	5.845	VV	6720	97165	2.51%	0.062%
36	5.896	5.845	5.919	VV	92564	1493301	38.58%	0.953%

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EX-11-TPH-10DL

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rteres

37	5.930	5.919	5.948	VV	38779	431482	11.15%	0.275%
38	5.966	5.948	5.977	VV	17229	229432	5	
39	5.996	5.977	6.035	VV	153619	2138322	55	
40	6.053	6.035	6.083	VV	133770	1494372	38	
41	6.094	6.083	6.106	VV	15250	174902	4	
42	6.119	6.106	6.126	VV	14177	145169	3	
43	6.139	6.126	6.164	VV	19049	269414	6.96%	0.172%
44	6.189	6.164	6.209	VV	35989	449019	11.60%	0.286%
45	6.243	6.209	6.261	VV	39730	616750	15.94%	0.393%
46	6.285	6.261	6.292	VV	14660	252970	6.54%	0.161%
47	6.313	6.292	6.348	VV	64475	914686	23.63%	0.584%
48	6.372	6.348	6.388	VV	34703	460891	11.91%	0.294%
49	6.418	6.388	6.447	VV	88466	1632943	42.19%	1.042%
50	6.462	6.447	6.472	VV	40180	459038	11.86%	0.293%
51	6.477	6.472	6.489	VV	35341	322254	8.33%	0.206%
52	6.505	6.489	6.521	VV	75093	881590	22.78%	0.562%
53	6.547	6.521	6.575	VV	71289	1242744	32.11%	0.793%
54	6.591	6.575	6.623	VV	26905	572693	14.80%	0.365%
55	6.652	6.623	6.670	VV	61120	996134	25.74%	0.635%
56	6.676	6.670	6.697	VV	36555	434677	11.23%	0.277%
57	6.728	6.697	6.741	VV	36239	634153	16.39%	0.405%
58	6.751	6.741	6.783	VV	27953	484134	12.51%	0.309%
59	6.819	6.783	6.835	VV	38188	757068	19.56%	0.483%
60	6.855	6.835	6.869	VV	44735	694948	17.96%	0.443%
61	6.885	6.869	6.912	VV	66417	1004744	25.96%	0.641%
62	6.935	6.912	6.952	VV	48149	791974	20.46%	0.505%
63	6.961	6.952	6.973	VV	26690	303236	7.83%	0.193%
64	6.986	6.973	7.000	VV	31822	433367	11.20%	0.276%
65	7.018	7.000	7.039	VV	84226	1022022	26.41%	0.652%
66	7.059	7.039	7.084	VV	44318	744964	19.25%	0.475%
67	7.096	7.084	7.108	VV	23556	290178	7.50%	0.185%
68	7.140	7.108	7.162	VV	113928	1653555	42.72%	1.055%
69	7.180	7.162	7.197	VV	28893	500406	12.93%	0.319%
70	7.205	7.197	7.213	VV	20386	184868	4.78%	0.118%
71	7.226	7.213	7.238	VV	22439	314752	8.13%	0.201%
72	7.268	7.238	7.287	VV	49056	1045007	27.00%	0.667%
73	7.307	7.287	7.343	VV	80893	1561132	40.34%	0.996%
74	7.374	7.343	7.406	VV	59392	1510430	39.03%	0.964%
75	7.421	7.406	7.434	VV	30783	399390	10.32%	0.255%
76	7.455	7.434	7.500	VV	98004	2023019	52.27%	1.291%
77	7.520	7.500	7.540	VV	58998	902750	23.33%	0.576%
78	7.555	7.540	7.568	VV	25690	383618	9.91%	0.245%
79	7.581	7.568	7.596	VV	26202	370389	9.57%	0.236%
80	7.613	7.596	7.627	VV	23682	392312	10.14%	0.250%
81	7.660	7.627	7.708	VV	59188	1757393	45.41%	1.121%
82	7.736	7.708	7.751	VV	48188	998656	25.80%	0.637%
83	7.763	7.751	7.796	VV	43609	883543	22.83%	0.564%
84	7.821	7.796	7.834	VV	24576	525684	13.58%	0.335%
85	7.858	7.834	7.888	VV	70402	1375887	35.55%	0.878%
86	7.909	7.888	7.929	VV	51915	862730	22.29%	0.550%
87	7.950	7.929	7.960	VV	21561	382255	9.88%	0.244%
88	7.996	7.960	8.039	VV	93916	2026062	52.35%	1.292%
89	8.049	8.039	8.063	VV	26342	350620	9.06%	0.224%

Instrument :
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EX-11-TPH-10DL

rteres

90	8.071	8.063	8.081	VV	23134	239772	6.20%	0.153%
91	8.093	8.081	8.101	VV	25436	294756	7	
92	8.115	8.101	8.133	VV	30714	505337	13	
93	8.154	8.133	8.171	VV	33390	636111	16	
94	8.186	8.171	8.193	VV	31262	392683	10	
95	8.206	8.193	8.224	VV	32342	543799	14	
96	8.253	8.224	8.262	VV	35405	714554	18.46%	0.456%
97	8.280	8.262	8.302	VV	53349	1048687	27.10%	0.669%
98	8.316	8.302	8.331	VV	52180	693591	17.92%	0.442%
99	8.366	8.331	8.371	VV	181858	2051870	53.02%	1.309%
100	8.380	8.371	8.424	VV	212187	2868950	74.13%	1.830%
101	8.431	8.424	8.453	VV	25901	444961	11.50%	0.284%
102	8.487	8.453	8.502	VV	310459	3870291	100.00%	2.469%
103	8.514	8.502	8.535	VV	228844	2550328	65.89%	1.627%
104	8.548	8.535	8.569	VV	53313	868732	22.45%	0.554%
105	8.601	8.569	8.620	VV	46476	1086361	28.07%	0.693%
106	8.652	8.620	8.700	VV	115415	2986980	77.18%	1.906%
107	8.722	8.700	8.741	VV	51036	878927	22.71%	0.561%
108	8.762	8.741	8.775	VV	73397	1001834	25.89%	0.639%
109	8.780	8.775	8.798	VV	48469	560821	14.49%	0.358%
110	8.809	8.798	8.825	VV	37058	519471	13.42%	0.331%
111	8.847	8.825	8.858	VV	31944	574480	14.84%	0.366%
112	8.872	8.858	8.903	VV	45522	865729	22.37%	0.552%
113	8.922	8.903	8.944	VV	31334	670642	17.33%	0.428%
114	8.979	8.944	9.002	VV	35073	1026760	26.53%	0.655%
115	9.026	9.002	9.055	VV	41701	1018450	26.31%	0.650%
116	9.085	9.055	9.090	VV	49816	865546	22.36%	0.552%
117	9.102	9.090	9.120	VV	56908	835183	21.58%	0.533%
118	9.133	9.120	9.149	VV	41588	574707	14.85%	0.367%
119	9.162	9.149	9.182	VV	35419	625201	16.15%	0.399%
120	9.211	9.182	9.231	VV	123375	1912328	49.41%	1.220%
121	9.246	9.231	9.267	VV	59367	915965	23.67%	0.584%
122	9.283	9.267	9.304	VV	46104	776970	20.08%	0.496%
123	9.336	9.304	9.350	VV	60275	1132924	29.27%	0.723%
124	9.355	9.350	9.364	VV	42266	340794	8.81%	0.217%
125	9.381	9.364	9.399	VV	121843	1546106	39.95%	0.986%
126	9.422	9.399	9.466	VV	137123	2354575	60.84%	1.502%
127	9.477	9.466	9.494	VV	24103	386567	9.99%	0.247%
128	9.539	9.494	9.555	VV	113721	1853114	47.88%	1.182%
129	9.570	9.555	9.605	VV	98015	1455122	37.60%	0.928%
130	9.618	9.605	9.632	VV	23443	345574	8.93%	0.220%
131	9.675	9.632	9.704	VV	115702	2367210	61.16%	1.510%
132	9.719	9.704	9.736	VV	29585	505637	13.06%	0.323%
133	9.759	9.736	9.771	VV	41493	682386	17.63%	0.435%
134	9.784	9.771	9.808	VV	41497	679719	17.56%	0.434%
135	9.838	9.808	9.870	VV	89573	1655793	42.78%	1.056%
136	9.878	9.870	9.893	VV	27666	351114	9.07%	0.224%
137	9.911	9.893	9.925	VV	42025	636186	16.44%	0.406%
138	9.939	9.925	9.951	VV	51274	659167	17.03%	0.421%
139	9.964	9.951	9.987	VV	60558	972162	25.12%	0.620%
140	10.002	9.987	10.025	VV	31418	633069	16.36%	0.404%
141	10.041	10.025	10.061	VV	33689	591434	15.28%	0.377%

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rteres

142	10.085	10.061	10.106	VV	46403	947461	24.48%	0.604%
143	10.133	10.106	10.150	VV	39678	905492	23	
144	10.183	10.150	10.226	VV	47026	1529277	39	
145	10.246	10.226	10.258	VV	26851	478289	12	
146	10.279	10.258	10.313	VV	35614	853018	22	
147	10.344	10.313	10.394	VV	45414	1308903	33	
148	10.402	10.394	10.425	VV	16358	274171	7.08%	0.175%
149	10.449	10.425	10.478	VV	22002	585278	15.12%	0.373%
150	10.504	10.478	10.529	VV	53559	898480	23.21%	0.573%
151	10.557	10.529	10.581	VV	39333	851558	22.00%	0.543%
152	10.612	10.581	10.625	VV	49995	864989	22.35%	0.552%
153	10.639	10.625	10.664	VV	57499	946389	24.45%	0.604%
154	10.684	10.664	10.729	VV	63441	1288132	33.28%	0.822%
155	10.758	10.729	10.769	VV	48446	792417	20.47%	0.506%
156	10.774	10.769	10.800	VV	43167	653098	16.87%	0.417%
157	10.821	10.800	10.846	VV	39176	849720	21.95%	0.542%
158	10.854	10.846	10.871	VV	27227	384938	9.95%	0.246%
159	10.894	10.871	10.911	VV	32628	659462	17.04%	0.421%
160	10.929	10.911	10.948	VV	42753	698946	18.06%	0.446%
161	10.978	10.948	11.006	VV	59836	1325651	34.25%	0.846%
162	11.017	11.006	11.022	VV	22571	200876	5.19%	0.128%
163	11.040	11.022	11.055	VV	25160	466996	12.07%	0.298%
164	11.064	11.055	11.082	VV	23088	333696	8.62%	0.213%
165	11.126	11.082	11.142	VV	24379	752415	19.44%	0.480%
166	11.166	11.142	11.222	VV	51540	1313585	33.94%	0.838%
167	11.247	11.222	11.282	VV	24131	693745	17.92%	0.443%
168	11.302	11.282	11.326	VV	19439	431540	11.15%	0.275%
169	11.348	11.326	11.363	VV	20583	409435	10.58%	0.261%
170	11.381	11.363	11.401	VV	20912	412841	10.67%	0.263%
171	11.441	11.401	11.450	VV	19126	507926	13.12%	0.324%
172	11.474	11.450	11.496	VV	33927	676185	17.47%	0.431%
173	11.516	11.496	11.543	VV	28853	695948	17.98%	0.444%
174	11.560	11.543	11.587	VV	29401	636488	16.45%	0.406%
175	11.593	11.587	11.603	VV	20906	199799	5.16%	0.127%
176	11.608	11.603	11.622	VV	20035	209750	5.42%	0.134%
177	11.645	11.622	11.672	VV	26629	694532	17.95%	0.443%
178	11.695	11.672	11.729	VV	37819	927255	23.96%	0.592%
179	11.760	11.729	11.782	VV	24548	581535	15.03%	0.371%
180	11.821	11.782	11.842	VV	31879	771770	19.94%	0.492%
181	11.857	11.842	11.888	VV	20108	468150	12.10%	0.299%
182	11.932	11.888	11.952	VV	83575	1361216	35.17%	0.868%
183	11.970	11.952	11.985	VV	42834	632966	16.35%	0.404%
184	12.001	11.985	12.036	VV	45704	794785	20.54%	0.507%
185	12.070	12.036	12.096	VV	18972	570802	14.75%	0.364%
186	12.118	12.096	12.135	VV	35021	577825	14.93%	0.369%
187	12.151	12.135	12.201	VV	32290	810340	20.94%	0.517%
188	12.221	12.201	12.237	VV	15574	303569	7.84%	0.194%
189	12.263	12.237	12.289	VV	21931	548633	14.18%	0.350%
190	12.308	12.289	12.327	VV	20459	384309	9.93%	0.245%
191	12.338	12.327	12.357	VV	15132	255433	6.60%	0.163%
192	12.372	12.357	12.392	VV	16433	301973	7.80%	0.193%
193	12.409	12.392	12.425	VV	14024	257328	6.65%	0.164%
194	12.430	12.425	12.437	VV	12819	95919	2.48%	0.061%

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rteres

195	12.448	12.437	12.454	VV	13179	133131	3.44%	0.085%
196	12.471	12.454	12.487	VV	17592	298907	7	
197	12.506	12.487	12.519	VV	19599	325007	8	
198	12.529	12.519	12.556	VV	18697	337839	8	
199	12.587	12.556	12.606	VV	15286	371712	9	
200	12.621	12.606	12.634	VV	13820	208768	5	
201	12.649	12.634	12.682	VV	14751	382788	9.89%	0.244%
202	12.714	12.682	12.739	VV	16695	473297	12.23%	0.302%
203	12.761	12.739	12.804	VV	24861	649392	16.78%	0.414%
204	12.871	12.804	12.891	VV	36563	937513	24.22%	0.598%
205	12.907	12.891	12.924	VV	21579	355936	9.20%	0.227%
206	12.936	12.924	12.965	VV	18110	343287	8.87%	0.219%
207	12.988	12.965	13.032	VV	16290	500156	12.92%	0.319%
208	13.040	13.032	13.061	VV	8516	139384	3.60%	0.089%
209	13.113	13.061	13.134	VV	11377	408479	10.55%	0.261%
210	13.149	13.134	13.163	VV	8131	134644	3.48%	0.086%
211	13.181	13.163	13.199	VV	9522	185411	4.79%	0.118%
212	13.210	13.199	13.219	VV	8724	103076	2.66%	0.066%
213	13.237	13.219	13.261	VV	9291	212494	5.49%	0.136%
214	13.286	13.261	13.334	VV	12485	385943	9.97%	0.246%
215	13.370	13.334	13.404	VV	15616	432138	11.17%	0.276%
216	13.424	13.404	13.455	VV	10206	279118	7.21%	0.178%
217	13.464	13.455	13.524	VV	8890	303185	7.83%	0.193%
218	13.569	13.524	13.598	VV	11740	374725	9.68%	0.239%
219	13.619	13.598	13.662	VV	13408	326150	8.43%	0.208%
220	13.682	13.662	13.696	VV	8934	147565	3.81%	0.094%
221	13.712	13.696	13.744	VV	9223	207422	5.36%	0.132%
222	13.764	13.744	13.781	VV	8199	151957	3.93%	0.097%
223	13.793	13.781	13.825	VV	6814	162354	4.19%	0.104%
224	13.839	13.825	13.855	VV	6061	99414	2.57%	0.063%
225	13.875	13.855	13.905	VV	6857	181412	4.69%	0.116%
226	13.911	13.905	13.939	VV	5195	97572	2.52%	0.062%
227	13.949	13.939	13.962	VV	4582	60408	1.56%	0.039%
228	13.991	13.962	14.012	VV	5657	147024	3.80%	0.094%
229	14.034	14.012	14.047	VV	6018	118740	3.07%	0.076%
230	14.062	14.047	14.123	VV	6047	215510	5.57%	0.137%
231	14.156	14.123	14.183	VV	6249	180527	4.66%	0.115%
232	14.199	14.183	14.220	VV	5039	94410	2.44%	0.060%
233	14.241	14.220	14.309	VV	3924	181315	4.68%	0.116%
234	14.332	14.309	14.339	VV	3663	57391	1.48%	0.037%
235	14.351	14.339	14.401	VV	3708	117227	3.03%	0.075%
236	14.437	14.401	14.459	VV	3391	100820	2.60%	0.064%
237	14.494	14.459	14.521	VV	4327	116368	3.01%	0.074%
238	14.526	14.521	14.529	VV	2524	11282	0.29%	0.007%
239	14.544	14.529	14.560	VV	2772	48511	1.25%	0.031%
240	14.594	14.560	14.612	VV	3366	94170	2.43%	0.060%
241	14.618	14.612	14.669	VV	3247	86957	2.25%	0.055%
242	14.701	14.669	14.715	VV	2952	72451	1.87%	0.046%
243	14.725	14.715	14.772	VV	2991	87906	2.27%	0.056%
244	14.821	14.772	14.843	VV	3233	113359	2.93%	0.072%
245	14.860	14.843	14.885	VV	2866	60663	1.57%	0.039%
246	14.900	14.885	14.925	VV	2246	45809	1.18%	0.029%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	14.952	14.925	14.964	VV	1805	39945	1.03%	0.025%
248	14.979	14.964	15.007	VV	2223	49713		
249	15.021	15.007	15.047	VV	1874	38872		
250	15.070	15.047	15.095	VV	1571	40384		
251	15.099	15.095	15.103	VV	1356	6619		
252	15.119	15.103	15.143	VV	1482	31869		
253	15.163	15.143	15.176	VV	1495	25137	0.65%	0.016%
254	15.191	15.176	15.202	VV	1440	20347	0.53%	0.013%
255	15.233	15.202	15.244	VV	1793	39614	1.02%	0.025%
256	15.255	15.244	15.298	VV	1689	45122	1.17%	0.029%
257	15.322	15.298	15.339	VV	1596	34130	0.88%	0.022%
258	15.369	15.339	15.379	VV	1711	36674	0.95%	0.023%
259	15.388	15.379	15.407	VV	1683	24720	0.64%	0.016%
260	15.415	15.407	15.437	VV	1400	22151	0.57%	0.014%
261	15.452	15.437	15.466	VV	1155	18483	0.48%	0.012%
262	15.485	15.466	15.515	VV	1405	32895	0.85%	0.021%
263	15.529	15.515	15.549	VV	883	15806	0.41%	0.010%
264	15.554	15.549	15.574	VV	821	11105	0.29%	0.007%
265	15.580	15.574	15.583	VV	764	3858	0.10%	0.002%
266	15.614	15.583	15.676	VV	1707	67216	1.74%	0.043%
267	15.684	15.676	15.691	VV	894	7793	0.20%	0.005%
268	15.692	15.691	15.724	VV	875	11778	0.30%	0.008%
269	15.763	15.724	15.787	VV	1136	29525	0.76%	0.019%
270	15.799	15.787	15.826	VV	661	12991	0.34%	0.008%
271	15.853	15.826	15.881	VV	1188	26858	0.69%	0.017%
272	15.890	15.881	15.925	VV	881	17025	0.44%	0.011%
273	15.935	15.925	15.941	VV	538	4424	0.11%	0.003%
274	15.966	15.941	15.982	VV	708	13976	0.36%	0.009%
275	16.013	15.982	16.057	VV	886	31938	0.83%	0.020%
276	16.062	16.057	16.104	VV	672	15893	0.41%	0.010%
277	16.108	16.104	16.111	VV	481	1898	0.05%	0.001%
278	16.114	16.111	16.135	VV	471	6078	0.16%	0.004%
279	16.145	16.135	16.165	VV	546	8406	0.22%	0.005%
280	16.181	16.165	16.186	VV	587	6442	0.17%	0.004%
281	16.190	16.186	16.192	VV	535	1963	0.05%	0.001%
282	16.200	16.192	16.232	VV	665	11971	0.31%	0.008%
283	16.254	16.232	16.272	VV	657	12325	0.32%	0.008%
284	16.288	16.272	16.327	VV	617	14144	0.37%	0.009%
285	16.351	16.327	16.381	VV	440	9684	0.25%	0.006%
286	16.385	16.381	16.409	VV	296	3189	0.08%	0.002%
287	16.459	16.409	16.479	VV	756	16210	0.42%	0.010%
288	16.502	16.479	16.522	VV	372	6911	0.18%	0.004%
289	16.552	16.522	16.586	VV	637	15350	0.40%	0.010%
290	16.591	16.586	16.594	VV	236	1008	0.03%	0.001%
291	16.602	16.594	16.611	VV	355	3013	0.08%	0.002%
292	16.624	16.611	16.632	VV	429	4515	0.12%	0.003%
293	16.651	16.632	16.692	VV	645	13149	0.34%	0.008%
294	16.695	16.692	16.717	VV	260	2710	0.07%	0.002%
295	16.741	16.717	16.779	VV	784	17268	0.45%	0.011%
296	16.801	16.779	16.844	VV	400	10101	0.26%	0.006%
297	16.870	16.844	16.876	VV	399	4609	0.12%	0.003%
298	16.884	16.876	16.899	VV	343	4086	0.11%	0.003%
299	16.914	16.899	16.922	VV	443	4901	0.13%	0.003%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/10/2025

rteres

300	16.928	16.922	16.947	VV	379	5044	0.13%	0.003%
301	16.952	16.947	16.992	VV	293	5293		
302	17.002	16.992	17.009	PV	214	1415		
303	17.017	17.009	17.022	VV	292	2236		
304	17.034	17.022	17.052	VV	375	4367		
305	17.072	17.052	17.128	VV	605	14646		
306	17.146	17.128	17.152	VV	368	3126	0.08%	0.002%
307	17.156	17.152	17.178	VV	333	4421	0.11%	0.003%
308	17.205	17.178	17.228	VV	927	16681	0.43%	0.011%
309	17.248	17.228	17.283	VV	1004	15842	0.41%	0.010%
310	17.295	17.291	17.309	VV	204	1296	0.03%	0.001%
311	17.338	17.309	17.351	VV	164	2632	0.07%	0.002%
312	17.355	17.351	17.367	VV	196	1031	0.03%	0.001%
313	17.371	17.367	17.396	VV	117	1624	0.04%	0.001%
314	17.409	17.396	17.416	VV	193	1623	0.04%	0.001%
315	17.448	17.425	17.477	VV	461	8527	0.22%	0.005%
316	17.487	17.477	17.502	VV	244	2261	0.06%	0.001%
317	17.522	17.502	17.539	VV	493	6964	0.18%	0.004%
318	17.545	17.539	17.556	VV	300	2486	0.06%	0.002%
319	17.567	17.556	17.586	VV	322	4317	0.11%	0.003%
320	17.625	17.586	17.632	VV	612	12363	0.32%	0.008%
321	17.655	17.632	17.688	VV	1291	23884	0.62%	0.015%
322	17.691	17.688	17.707	VV	309	2233	0.06%	0.001%
323	17.723	17.707	17.729	VV	265	1984	0.05%	0.001%
324	17.743	17.729	17.747	VV	415	3372	0.09%	0.002%
325	17.754	17.747	17.778	VV	504	6754	0.17%	0.004%
326	17.789	17.778	17.803	VV	312	2759	0.07%	0.002%
327	17.837	17.803	17.859	VV	444	8545	0.22%	0.005%
328	17.866	17.859	17.871	VV	220	1173	0.03%	0.001%
329	17.874	17.871	17.912	VV	194	1827	0.05%	0.001%
330	17.921	17.912	17.961	VV	183	2743	0.07%	0.002%
331	17.973	17.961	17.982	PV	131	1009	0.03%	0.001%
332	17.995	17.982	18.007	VV	149	1672	0.04%	0.001%
333	18.092	18.038	18.136	VV	1834	30750	0.79%	0.020%
334	18.146	18.136	18.170	VV	425	5644	0.15%	0.004%
335	18.194	18.170	18.209	VV	352	6049	0.16%	0.004%
336	18.242	18.209	18.264	VV	674	14155	0.37%	0.009%
337	18.278	18.264	18.310	VV	642	10204	0.26%	0.007%
338	18.370	18.324	18.409	VV	672	14473	0.37%	0.009%
339	18.457	18.420	18.467	VV	496	8769	0.23%	0.006%
340	18.472	18.467	18.484	VV	550	3275	0.08%	0.002%
341	18.517	18.484	18.548	VV	1670	27982	0.72%	0.018%
342	18.553	18.548	18.560	VV	209	1143	0.03%	0.001%
343	18.569	18.560	18.579	VV	215	1776	0.05%	0.001%
344	18.605	18.585	18.641	VV	528	8688	0.22%	0.006%
345	18.643	18.641	18.666	VV	150	1436	0.04%	0.001%
346	18.674	18.666	18.683	VV	166	1082	0.03%	0.001%
347	18.702	18.683	18.719	VV	168	2166	0.06%	0.001%
348	18.770	18.732	18.776	PV	299	3582	0.09%	0.002%
349	18.782	18.776	18.801	VBA	215	2751	0.07%	0.002%

Sum of corrected areas: 156755502

rteres
Aromatic EPH 020525.M Mon Feb 10 01:54:22 2025

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-10DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-09DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052312.D	100	02/06/25	02/10/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		692		49.0	129	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1340		31.0	86.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		472		38.7	129	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		80.8	J	103	172	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		232	U	232	258	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-09DL2	Acq On:	10 Feb 2025 11:00
Client Sample ID:	EX-11-TPH-10DL2	Operator:	YP\AJ
Data file:	FE052312.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	7739324	80.463	300	ug/ml
Aliphatic C12-C16	7.241	10.644	16291656	155.582	200	ug/ml
Aliphatic C16-C21	10.645	13.990	6208200	54.929	300	ug/ml
Aliphatic C21-C28	13.991	17.632	1070784	9.393	400	ug/ml
Aliphatic C28-C40	17.633	22.724	559600	6.112	600	ug/ml
Aliphatic EPH	3.682	22.724	31869564	306.48		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	3.682	17.632	31309964	300.367	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052312.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 11:00
Operator : YP\AJ
Sample : Q1308-09DL2 100X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL2

Integration File: autoint1.e
Quant Time: Feb 11 03:57:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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

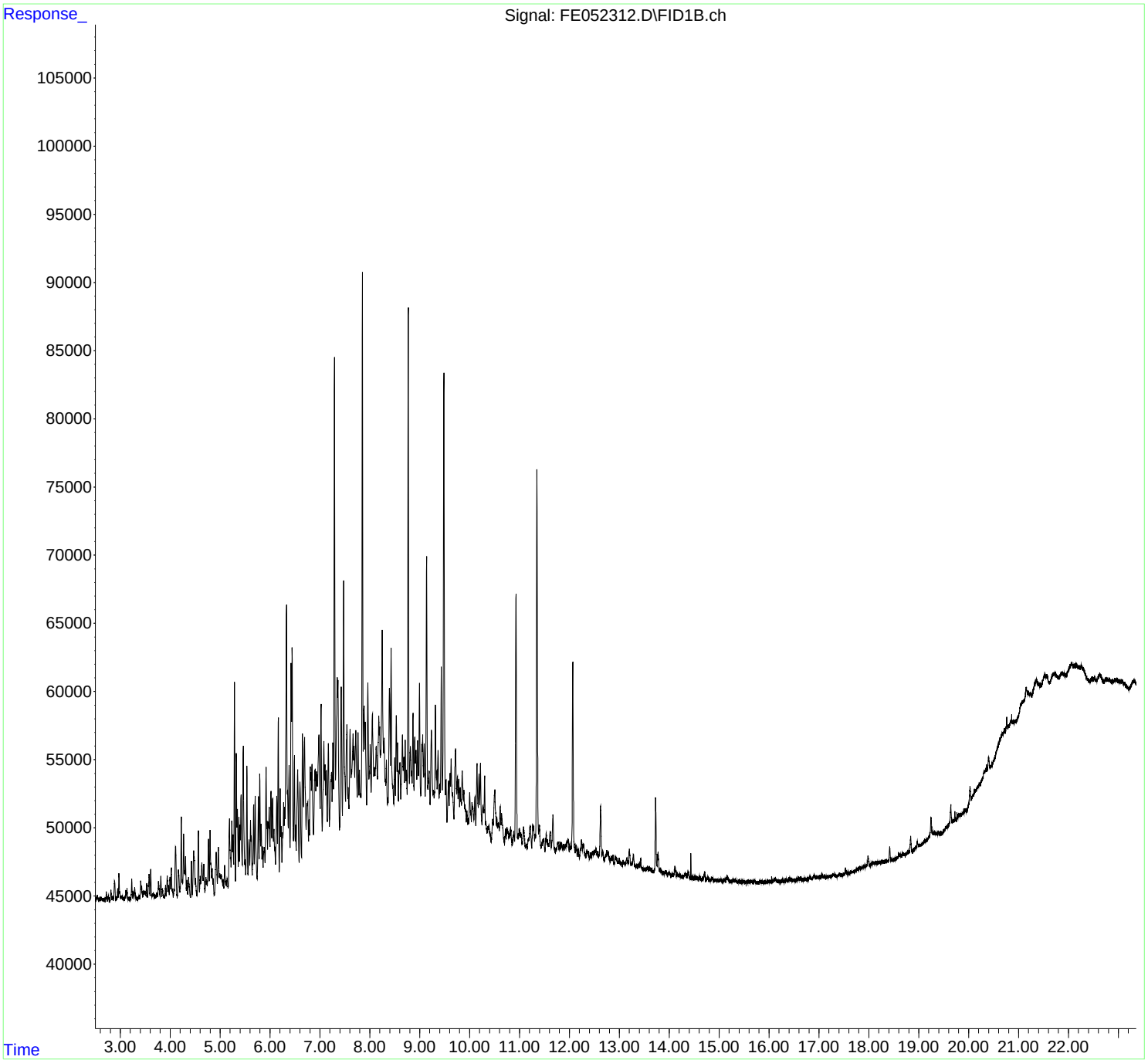
(f)=RT Delta > 1/2 Window (m)=manual int.

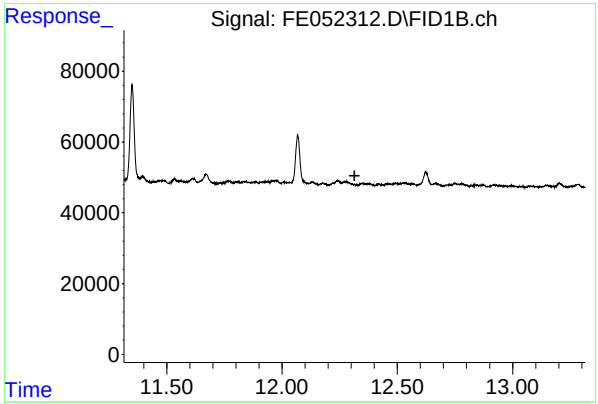
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052312.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 11:00
Operator : YP\AJ
Sample : Q1308-09DL2 100X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL2

Integration File: autoint1.e
Quant Time: Feb 11 03:57:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

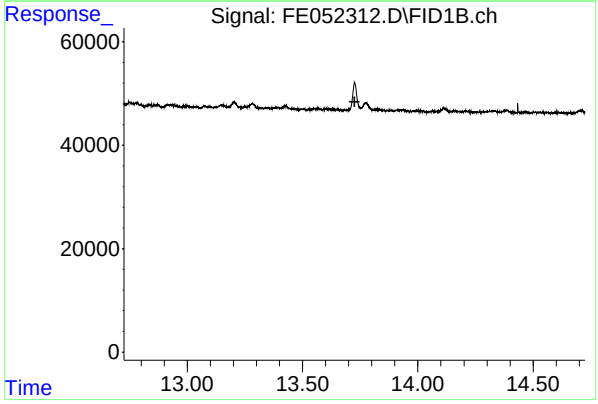




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-10DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.726 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052312.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 11:00
Sample : Q1308-09DL2 100X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.235	5.219	5.247	VV	5692	68748	10.41%	0.216%
2	5.257	5.247	5.270	VV	4597	54209	8.21%	0.170%
3	5.288	5.270	5.307	VV	15818	163676	24.79%	0.514%
4	5.325	5.307	5.339	VV	10531	118082	17.88%	0.371%
5	5.347	5.339	5.363	VV	6578	74404	11.27%	0.233%
6	5.376	5.363	5.388	VV	5834	60991	9.24%	0.191%
7	5.419	5.388	5.442	VV	7526	153913	23.31%	0.483%
8	5.464	5.442	5.513	VV	11046	207848	31.48%	0.652%
9	5.537	5.513	5.558	VV	9698	128536	19.47%	0.403%
10	5.579	5.558	5.594	VV	4238	65831	9.97%	0.207%
11	5.611	5.594	5.642	VV	5723	112437	17.03%	0.353%
12	5.671	5.642	5.685	VV	6811	97828	14.82%	0.307%
13	5.703	5.685	5.740	VV	7363	129834	19.66%	0.407%
14	5.768	5.740	5.781	VV	7431	103900	15.74%	0.326%
15	5.795	5.781	5.812	VV	9110	113966	17.26%	0.358%
16	5.824	5.812	5.839	VV	5403	70470	10.67%	0.221%
17	5.848	5.839	5.861	VV	3764	40894	6.19%	0.128%
18	5.885	5.861	5.900	VV	3671	73336	11.11%	0.230%
19	5.922	5.900	5.952	VV	9587	177828	26.93%	0.558%
20	5.984	5.952	5.999	VV	6632	148487	22.49%	0.466%
21	6.020	5.999	6.036	VV	7769	132005	19.99%	0.414%
22	6.052	6.036	6.069	VV	7303	117801	17.84%	0.370%
23	6.078	6.069	6.109	VV	4981	93620	14.18%	0.294%
24	6.136	6.109	6.149	VV	7404	124161	18.80%	0.390%
25	6.166	6.149	6.186	VV	13104	160667	24.33%	0.504%
26	6.204	6.186	6.239	VV	7982	155709	23.58%	0.489%
27	6.273	6.239	6.283	VV	6844	130455	19.76%	0.409%
28	6.330	6.283	6.365	VV	21409	488567	73.99%	1.533%
29	6.382	6.365	6.401	VV	9696	150610	22.81%	0.473%
30	6.444	6.401	6.470	VV	18437	453935	68.75%	1.424%
31	6.489	6.470	6.524	VV	10470	198457	30.06%	0.623%
32	6.555	6.524	6.582	VV	9349	214936	32.55%	0.674%
33	6.601	6.582	6.630	VV	8355	161294	24.43%	0.506%
34	6.651	6.630	6.671	VV	11907	197099	29.85%	0.618%
35	6.691	6.671	6.723	VV	11679	270432	40.96%	0.849%
36	6.753	6.723	6.772	VV	7065	181993	27.56%	0.571%

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37	6.807	6.772	6.830	VV	9394	248114	37.58%	0.779%
38	6.841	6.830	6.871	VV	9727	184401	27.93%	0.579%
39	6.908	6.871	6.919	VV	9477	221069	33.48%	0.694%
40	6.929	6.919	6.938	VV	9216	98917	14.98%	0.310%
41	6.946	6.938	6.954	VV	8958	81042	12.27%	0.254%
42	6.979	6.954	7.004	VV	11897	296780	44.95%	0.931%
43	7.023	7.004	7.047	VV	14062	235650	35.69%	0.739%
44	7.080	7.047	7.093	VV	11456	230522	34.91%	0.723%
45	7.101	7.093	7.114	VV	9723	115079	17.43%	0.361%
46	7.128	7.114	7.147	VV	9335	161850	24.51%	0.508%
47	7.170	7.147	7.191	VV	11319	216127	32.73%	0.678%
48	7.233	7.191	7.245	VV	9174	252814	38.29%	0.793%
49	7.260	7.245	7.272	VV	11333	154286	23.37%	0.484%
50	7.291	7.272	7.315	VV	39573	509557	77.17%	1.599%
51	7.427	7.394	7.451	VV	15471	334359	50.64%	1.049%
52	7.476	7.451	7.514	VV	23319	453615	68.70%	1.423%
53	7.605	7.579	7.626	VV	12314	271193	41.07%	0.851%
54	7.664	7.626	7.676	VV	11906	305648	46.29%	0.959%
55	7.720	7.698	7.748	VV	12213	306059	46.35%	0.960%
56	7.765	7.748	7.781	VV	12136	189932	28.77%	0.596%
57	7.794	7.781	7.821	VV	9347	195493	29.61%	0.613%
58	7.852	7.821	7.869	VV	45845	583829	88.42%	1.832%
59	7.885	7.869	7.899	VV	13983	229028	34.69%	0.719%
60	7.909	7.899	7.937	VV	12881	232147	35.16%	0.728%
61	7.962	7.937	7.984	VV	15735	314722	47.67%	0.988%
62	8.051	8.027	8.081	VV	13449	346394	52.46%	1.087%
63	8.094	8.081	8.105	VV	9519	130444	19.76%	0.409%
64	8.128	8.105	8.153	VV	11062	285893	43.30%	0.897%
65	8.182	8.153	8.211	VV	13321	402380	60.94%	1.263%
66	8.333	8.318	8.367	VV	10162	237212	35.93%	0.744%
67	8.394	8.367	8.413	VV	15336	322478	48.84%	1.012%
68	8.427	8.413	8.478	VV	18373	419369	63.51%	1.316%
69	8.532	8.513	8.572	VV	13356	363034	54.98%	1.139%
70	8.603	8.572	8.621	VV	9899	259538	39.31%	0.814%
71	8.654	8.621	8.670	VV	11895	285184	43.19%	0.895%
72	8.710	8.694	8.726	VV	11645	188269	28.51%	0.591%
73	8.770	8.748	8.795	VV	43259	562128	85.14%	1.764%
74	8.814	8.795	8.848	VV	11054	311529	47.18%	0.978%
75	8.866	8.848	8.885	VV	13522	236603	35.83%	0.742%
76	8.901	8.885	8.913	VV	11788	170634	25.84%	0.535%
77	8.926	8.913	8.942	VV	10793	178242	27.00%	0.559%
78	8.957	8.942	8.974	VV	11526	190637	28.87%	0.598%
79	8.996	8.974	9.021	VV	15840	312535	47.33%	0.981%
80	9.060	9.021	9.077	VV	11792	337575	51.13%	1.059%
81	9.091	9.077	9.111	VV	11288	192923	29.22%	0.605%
82	9.138	9.111	9.163	VV	24967	438313	66.38%	1.375%
83	9.275	9.264	9.291	VV	7814	122220	18.51%	0.384%
84	9.315	9.291	9.350	VV	14101	346515	52.48%	1.087%
85	9.368	9.350	9.388	VV	10739	207153	31.37%	0.650%
86	9.402	9.388	9.410	VV	8242	107399	16.27%	0.337%
87	9.433	9.410	9.453	VV	16824	289590	43.86%	0.909%
88	9.485	9.453	9.515	VV	38426	660274	100.00%	2.072%
89	9.527	9.515	9.548	VV	8687	147076	22.28%	0.461%

90	9.608	9.591	9.617	VV	9084	131070	19.85%	0.411%
91	9.631	9.617	9.685	VV	10176	322509	48.84%	1.012%
92	9.718	9.685	9.740	VV	10877	294188	44.56%	0.923%
93	9.755	9.740	9.769	VV	8875	144744	21.92%	0.454%
94	9.783	9.769	9.800	VV	8539	144932	21.95%	0.455%
95	9.811	9.800	9.835	VV	8005	154534	23.40%	0.485%
96	9.853	9.835	9.875	VV	9284	194137	29.40%	0.609%
97	9.886	9.875	9.934	VV	7871	240577	36.44%	0.755%
98	9.947	9.934	9.962	VV	6323	99892	15.13%	0.313%
99	9.973	9.962	9.981	VV	5813	64404	9.75%	0.202%
100	10.002	9.981	10.035	VV	7707	210856	31.93%	0.662%
101	10.050	10.035	10.086	VV	6912	195920	29.67%	0.615%
102	10.106	10.086	10.124	VV	7392	147426	22.33%	0.463%
103	10.148	10.124	10.170	VV	9729	210780	31.92%	0.661%
104	10.189	10.170	10.203	VV	8994	153585	23.26%	0.482%
105	10.218	10.203	10.248	VV	9889	201139	30.46%	0.631%
106	10.302	10.288	10.351	VV	8875	234908	35.58%	0.737%
107	10.385	10.351	10.430	VV	5284	232050	35.14%	0.728%
108	10.463	10.430	10.474	VV	5670	130997	19.84%	0.411%
109	10.504	10.474	10.537	VV	7830	248877	37.69%	0.781%
110	10.547	10.537	10.562	VV	5873	83761	12.69%	0.263%
111	10.578	10.562	10.593	VV	5497	100416	15.21%	0.315%
112	10.643	10.629	10.700	VV	6094	218545	33.10%	0.686%
113	10.720	10.700	10.733	VV	5015	91106	13.80%	0.286%
114	10.750	10.733	10.788	VV	5171	157524	23.86%	0.494%
115	10.886	10.852	10.901	VV	4842	128772	19.50%	0.404%
116	10.930	10.901	10.966	VV	22324	398808	60.40%	1.251%
117	10.996	10.966	11.011	VV	5075	129137	19.56%	0.405%
118	11.027	11.011	11.058	VV	4694	123495	18.70%	0.388%
119	11.080	11.058	11.116	VV	5200	157248	23.82%	0.493%
120	11.131	11.116	11.151	VV	3886	77936	11.80%	0.245%
121	11.213	11.151	11.245	VV	5280	248983	37.71%	0.781%
122	11.265	11.245	11.276	VV	5324	88091	13.34%	0.276%
123	11.350	11.302	11.384	VV	31155	551796	83.57%	1.731%
124	11.396	11.384	11.432	VV	5326	130294	19.73%	0.409%
125	11.489	11.432	11.511	VV	4292	189933	28.77%	0.596%
126	11.615	11.591	11.635	VV	4865	115085	17.43%	0.361%
127	11.671	11.635	11.716	VV	6102	214561	32.50%	0.673%
128	11.808	11.790	11.821	VV	3961	70702	10.71%	0.222%
129	11.837	11.821	11.863	VV	3925	95342	14.44%	0.299%
130	11.915	11.898	11.924	VV	3910	57822	8.76%	0.181%
131	11.936	11.924	11.944	VV	3954	46900	7.10%	0.147%
132	11.973	11.944	11.995	VV	4220	123242	18.67%	0.387%
133	12.008	11.995	12.037	VV	3869	92073	13.94%	0.289%
134	12.068	12.037	12.116	VV	17222	343565	52.03%	1.078%
135	12.131	12.116	12.158	VV	3851	89870	13.61%	0.282%
136	12.241	12.201	12.258	VV	4268	124075	18.79%	0.389%
137	12.378	12.371	12.400	VV	3331	54431	8.24%	0.171%
138	12.419	12.400	12.435	VV	3274	64892	9.83%	0.204%
139	12.458	12.435	12.478	VV	3339	83373	12.63%	0.262%
140	12.492	12.478	12.505	VV	3468	55138	8.35%	0.173%
141	12.534	12.505	12.553	VV	3662	99412	15.06%	0.312%

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142	12.567	12.553	12.585	VV	3383	61659	9.34%	0.193%
143	12.665	12.651	12.698	VV	3455	89088	13.49%	0.280%
144	12.750	12.698	12.771	VV	3479	137532	20.83%	0.432%
145	12.781	12.771	12.814	VV	3349	77869	11.79%	0.244%
146	12.840	12.814	12.853	VV	2967	67393	10.21%	0.211%
147	12.872	12.853	12.891	VV	3051	64550	9.78%	0.203%
148	12.918	12.891	12.976	VV	2987	142290	21.55%	0.446%
149	12.998	12.976	13.055	VV	2794	122685	18.58%	0.385%
150	13.148	13.115	13.178	VV	2931	102317	15.50%	0.321%
151	13.202	13.178	13.231	VV	3546	92598	14.02%	0.291%
152	13.283	13.231	13.335	VV	3182	161660	24.48%	0.507%
153	13.347	13.335	13.367	VV	2473	46042	6.97%	0.144%
154	13.390	13.367	13.408	VV	2446	58583	8.87%	0.184%
155	13.426	13.408	13.491	VV	2833	116616	17.66%	0.366%
156	13.505	13.491	13.518	VV	2165	34485	5.22%	0.108%
157	13.553	13.518	13.585	VV	2246	86057	13.03%	0.270%
158	13.604	13.585	13.643	VV	2237	72304	10.95%	0.227%
159	13.653	13.643	13.685	VV	2075	50286	7.62%	0.158%
160	13.726	13.685	13.753	VV	7200	145917	22.10%	0.458%
161	13.775	13.753	13.814	VV	3376	95586	14.48%	0.300%
162	13.827	13.814	13.897	VV	2137	96311	14.59%	0.302%
163	13.933	13.897	13.971	VV	1984	82766	12.54%	0.260%
164	14.062	14.048	14.076	HH	1791	28491	4.32%	0.089%
165	14.158	14.139	14.191	HH	1795	54199	8.21%	0.170%
166	14.331	14.288	14.356	HH	1799	69155	10.47%	0.217%
167	14.384	14.356	14.424	HH	1907	67958	10.29%	0.213%
168	14.506	14.491	14.518	HH	1515	23858	3.61%	0.075%
169	14.774	14.745	14.821	HH	1559	63011	9.54%	0.198%
170	15.111	15.070	15.125	HH	1373	42650	6.46%	0.134%
171	15.392	15.372	15.405	HH	1282	24256	3.67%	0.076%
172	15.432	15.428	15.449	HH	1226	14910	2.26%	0.047%
173	15.488	15.449	15.514	HH	1277	47367	7.17%	0.149%
174	15.581	15.553	15.591	HH	1262	27871	4.22%	0.087%
175	15.769	15.757	15.774	HH	1151	11101	1.68%	0.035%
176	15.790	15.774	15.801	HH	1165	18805	2.85%	0.059%
177	15.844	15.839	15.853	HH	1233	9813	1.49%	0.031%
178	15.865	15.853	15.895	HH	1201	28986	4.39%	0.091%
179	15.938	15.932	15.946	HH	1218	9927	1.50%	0.031%
180	15.969	15.946	15.981	HH	1242	25557	3.87%	0.080%
181	16.049	16.034	16.068	HH	1306	24948	3.78%	0.078%
182	16.175	16.161	16.198	HH	1260	27081	4.10%	0.085%
183	16.264	16.228	16.305	HH	1354	57616	8.73%	0.181%
184	16.590	16.531	16.608	HH	1473	63340	9.59%	0.199%
185	16.673	16.663	16.694	HH	1370	24714	3.74%	0.078%
186	16.710	16.694	16.721	HH	1370	22690	3.44%	0.071%
187	16.896	16.861	16.945	HH	1614	76929	11.65%	0.241%
188	17.009	16.997	17.044	VV	1445	39362	5.96%	0.124%
189	17.106	17.089	17.157	VV	1334	50312	7.62%	0.158%
190	17.244	17.198	17.251	VV	1144	34972	5.30%	0.110%
191	17.287	17.251	17.315	VV	1139	41383	6.27%	0.130%
192	17.334	17.315	17.361	VV	988	26300	3.98%	0.083%
193	17.586	17.569	17.600	VV	763	13222	2.00%	0.041%
194	17.886	17.844	17.895	VV	687	19198	2.91%	0.060%

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195	17.905	17.895	17.912	VV	654	6738	1.02%	0.021%
196	18.084	18.023	18.095	VV	626	24945	3.78%	0.078%
197	18.354	18.294	18.388	VV	319	15051	2.28%	0.047%
198	18.681	18.660	18.750	VV	228	6770	1.03%	0.021%
199	18.837	18.750	18.877	VV	1228	22423	3.40%	0.070%
200	18.936	18.877	18.948	PV	269	5699	0.86%	0.018%
201	18.970	18.948	19.018	VV	590	13145	1.99%	0.041%
202	19.123	19.018	19.137	VV	287	15024	2.28%	0.047%
203	19.245	19.137	19.279	VV	1724	49113	7.44%	0.154%
204	19.386	19.371	19.408	VV	354	5474	0.83%	0.017%
205	19.440	19.408	19.456	VV	275	4873	0.74%	0.015%
206	19.462	19.456	19.475	VV	83	692	0.10%	0.002%
207	19.641	19.475	19.668	PV	1448	40133	6.08%	0.126%
208	19.683	19.668	19.696	VV	272	3775	0.57%	0.012%
209	19.792	19.696	19.818	VV	330	14215	2.15%	0.045%
210	19.933	19.818	19.954	VV	198	10604	1.61%	0.033%
211	20.027	19.954	20.049	PV	1455	28668	4.34%	0.090%
212	20.400	20.049	20.435	VV	2224	261916	39.67%	0.822%
213	20.439	20.435	20.448	VV	1416	11144	1.69%	0.035%

Sum of corrected areas: 31869565

Aliphatic EPH 020325.M Tue Feb 11 06:50:37 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-10DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-09DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015507.D	20	02/06/25	02/08/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	112		7.74	17.2	mg/kg
Aromatic C12-C16	Aromatic C12-C16	361		8.78	25.8	mg/kg
Aromatic C16-C21	Aromatic C16-C21	436		24.8	43.0	mg/kg
Aromatic C21-C36	Aromatic C21-C36	36.5	J	51.6	68.8	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	3.24		40 - 140	130%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	1.43		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.74		40 - 140	110%	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:	Q1308-09DL2	Acq On:	08 Feb 2025 03:19
Client Sample ID:	EX-11-TPH-10DL2	Operator:	YP\AJ
Data file:	FF015507.D	Misc:	
Instrument:	FID_F	ALS Vial:	91
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	9031224	65.386	200	ug/ml
Aromatic C12-C16	6.375	9.068	28185111	210.078	300	ug/ml
Aromatic C16-C21	9.069	13.385	31263856	253.764	500	ug/ml
Aromatic C21-C36	13.386	18.838	2499003	21.218	800	ug/ml
Aromatic EPH	4.505	18.838	70979194	550.446		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	361280	2.74		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	384639	3.24		ug/ml
2-Flurobiphenyl (SURR)	8.875	8.875	108505	1.43		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015507.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 03:19
Operator : YP\AJ
Sample : Q1308-09DL2 20X
Misc :
ALS Vial : 91 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:40:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-10DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.997	384639	3.236 ug/mlm
Spiked Amount 50.000		Recovery =	6.47%
6) S 2-Flurobiphenyl (SURR)	8.875	108505	1.429 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	2.86%
11) S ortho-Terphenyl (SURR)	11.930	361280	2.739 ug/mlm
Spiked Amount 50.000		Recovery =	5.48%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015507.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 03:19
Operator : YP\AJ
Sample : Q1308-09DL2 20X
Misc :
ALS Vial : 91 Sample Multiplier: 1

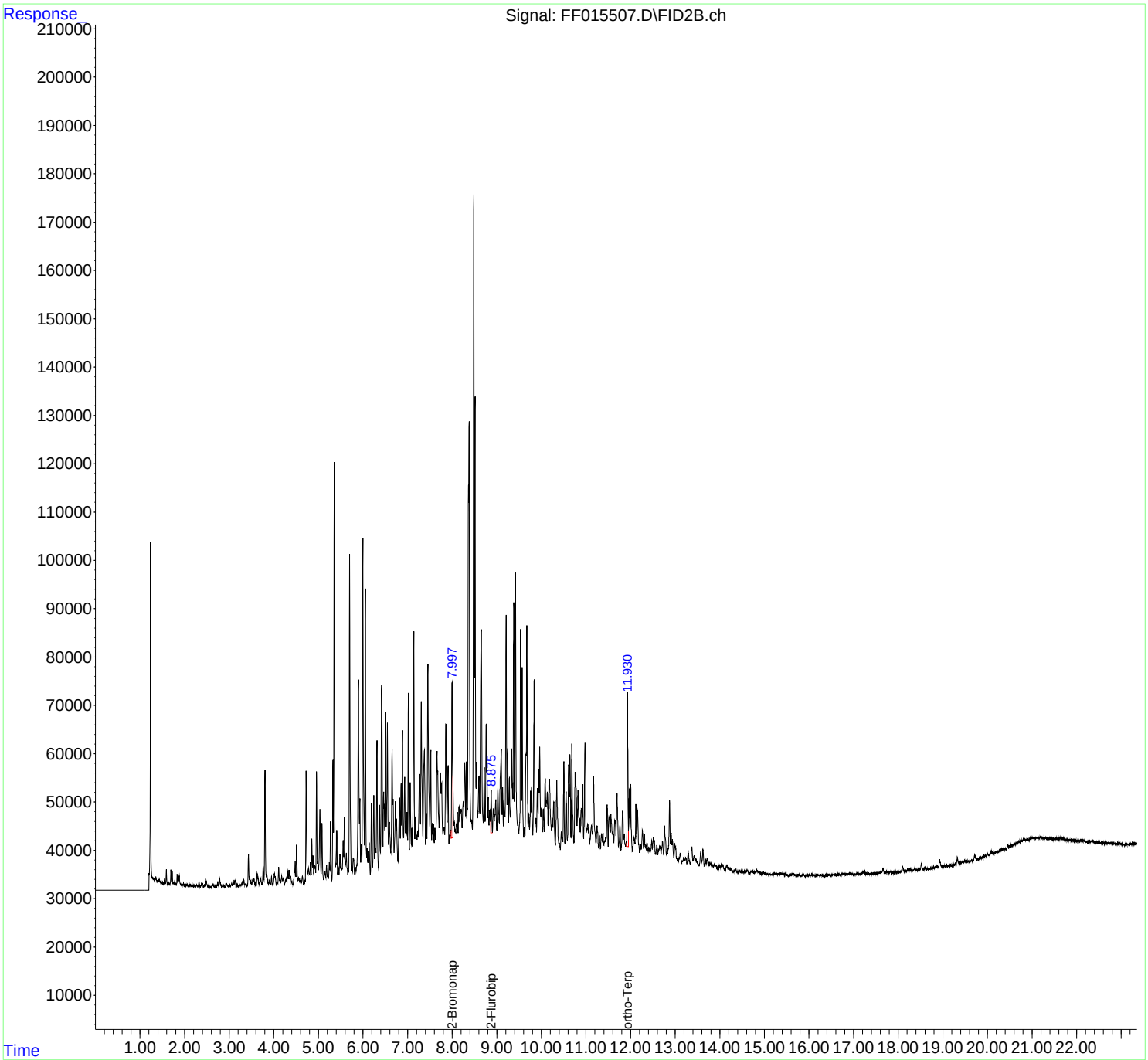
Integration File: autoint1.e
Quant Time: Feb 10 00:40:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

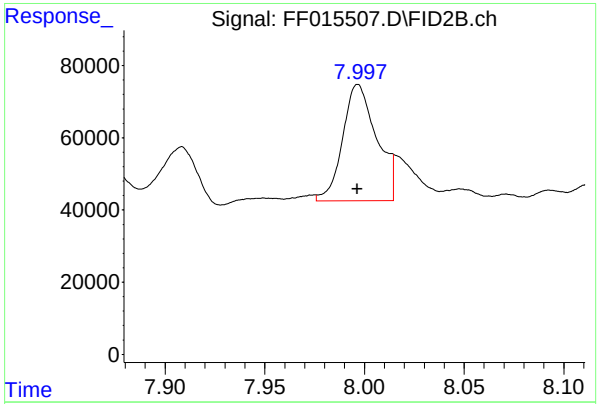
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL2

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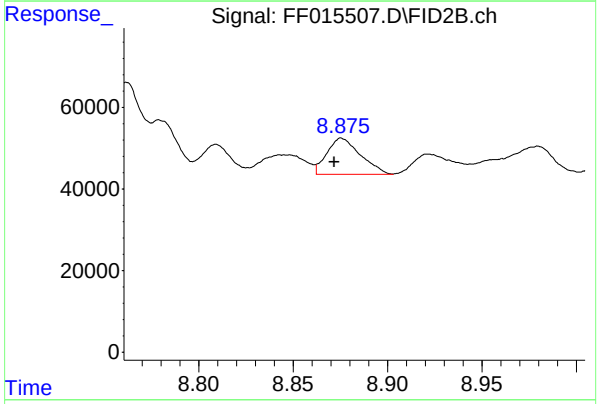
#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: 0.000 mi
Response: 384639
Conc: 3.24 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL2

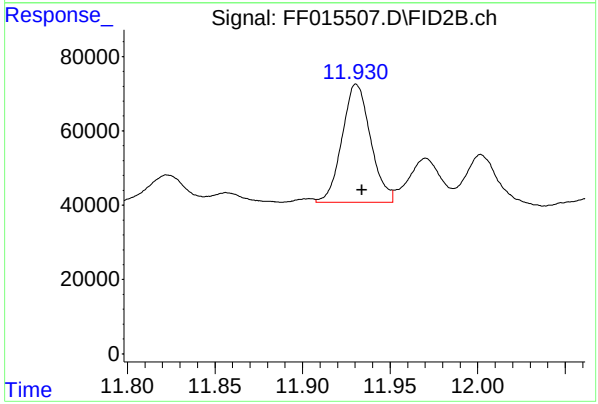
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.875 min
Delta R.T.: 0.003 min
Response: 108505
Conc: 1.43 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.004 min
Response: 361280
Conc: 2.74 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL2

rteres

Area Percent Report

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Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015507.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 03:19
Sample : Q1308-09DL2 20X
Misc :
ALS Vial : 91 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.480	4.411	4.495	BV	4482	66583	3.76%	0.093%
2	4.512	4.495	4.537	VV	7870	93232	5.27%	0.130%
3	4.551	4.537	4.574	VV	918	16219	0.92%	0.023%
4	4.580	4.574	4.594	VV	623	6000	0.34%	0.008%
5	4.604	4.594	4.621	VV	555	5903	0.33%	0.008%
6	4.642	4.621	4.666	VV	1428	19054	1.08%	0.026%
7	4.726	4.685	4.767	VV	23238	285819	16.15%	0.397%
8	4.780	4.767	4.804	VV	3118	53709	3.03%	0.075%
9	4.825	4.804	4.837	VV	4241	56667	3.20%	0.079%
10	4.853	4.837	4.867	VV	9132	98576	5.57%	0.137%
11	4.878	4.867	4.896	VV	5592	65851	3.72%	0.092%
12	4.914	4.896	4.925	VV	3741	54475	3.08%	0.076%
13	4.930	4.925	4.941	VV	3230	27150	1.53%	0.038%
14	4.959	4.941	4.980	VV	23053	260882	14.74%	0.362%
15	4.986	4.980	5.000	VV	4346	44172	2.50%	0.061%
16	5.035	5.000	5.061	VV	15301	267605	15.12%	0.372%
17	5.081	5.061	5.119	VV	12322	161159	9.10%	0.224%
18	5.148	5.119	5.166	VV	2288	44375	2.51%	0.062%
19	5.183	5.166	5.204	VV	3591	51896	2.93%	0.072%
20	5.213	5.204	5.226	VV	1618	17447	0.99%	0.024%
21	5.247	5.226	5.258	VV	4238	53958	3.05%	0.075%
22	5.274	5.258	5.301	VV	12662	147890	8.35%	0.205%
23	5.327	5.301	5.339	VV	25422	257785	14.56%	0.358%
24	5.356	5.339	5.384	VV	87050	924879	52.24%	1.285%
25	5.413	5.384	5.432	VV	10930	156834	8.86%	0.218%
26	5.448	5.432	5.464	VV	2977	45373	2.56%	0.063%
27	5.485	5.464	5.501	VV	5902	88755	5.01%	0.123%
28	5.509	5.501	5.521	VV	3554	38268	2.16%	0.053%
29	5.529	5.521	5.535	VV	2998	24857	1.40%	0.035%
30	5.556	5.535	5.568	VV	8772	120408	6.80%	0.167%
31	5.585	5.568	5.603	VV	13581	176184	9.95%	0.245%
32	5.627	5.603	5.660	VV	6109	130938	7.40%	0.182%
33	5.674	5.660	5.679	VV	2427	23375	1.32%	0.032%
34	5.700	5.679	5.741	VV	67889	835073	47.17%	1.160%
35	5.751	5.741	5.764	VV	3425	40716	2.30%	0.057%
36	5.781	5.764	5.816	VV	5119	110795	6.26%	0.154%

Instrument :
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EX-11-TPH-10DL2

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rteres

37	5.834	5.816	5.846	VV	3096	45087	2.55%	0.063%
38	5.897	5.846	5.920	VV	41917	687339	38	
39	5.930	5.920	5.949	VV	17274	197424	11	
40	5.966	5.949	5.978	VV	7920	106544	6	
41	5.997	5.978	6.035	VV	71072	985800	55	
42	6.053	6.035	6.084	VV	60608	694437	39	
43	6.094	6.084	6.107	VV	7046	80579	4.55%	0.112%
44	6.120	6.107	6.128	VV	6512	68011	3.84%	0.095%
45	6.140	6.128	6.165	VV	8246	118749	6.71%	0.165%
46	6.190	6.165	6.209	VV	16293	205144	11.59%	0.285%
47	6.243	6.209	6.262	VV	17930	286048	16.16%	0.397%
48	6.285	6.262	6.293	VV	6826	118607	6.70%	0.165%
49	6.314	6.293	6.349	VV	29366	417378	23.58%	0.580%
50	6.372	6.349	6.389	VV	15966	213798	12.08%	0.297%
51	6.419	6.389	6.448	VV	40687	755775	42.69%	1.050%
52	6.463	6.448	6.472	VV	18628	213585	12.07%	0.297%
53	6.478	6.472	6.490	VV	15771	148449	8.39%	0.206%
54	6.505	6.490	6.521	VV	35132	410396	23.18%	0.570%
55	6.548	6.521	6.576	VV	32863	578836	32.70%	0.804%
56	6.591	6.576	6.623	VV	12429	263283	14.87%	0.366%
57	6.653	6.623	6.670	VV	27351	457038	25.82%	0.635%
58	6.676	6.670	6.698	VV	17174	204910	11.58%	0.285%
59	6.729	6.698	6.742	VV	16660	295629	16.70%	0.411%
60	6.753	6.742	6.783	VV	13038	219275	12.39%	0.305%
61	6.820	6.783	6.836	VV	17357	351077	19.83%	0.488%
62	6.856	6.836	6.870	VV	20450	316111	17.86%	0.439%
63	6.886	6.870	6.909	VV	31341	449774	25.41%	0.625%
64	6.936	6.909	6.952	VV	21660	379761	21.45%	0.528%
65	6.961	6.952	6.973	VV	12520	140292	7.92%	0.195%
66	6.987	6.973	7.001	VV	14377	200440	11.32%	0.279%
67	7.018	7.001	7.039	VV	39125	470758	26.59%	0.654%
68	7.059	7.039	7.084	VV	20472	342766	19.36%	0.476%
69	7.096	7.084	7.108	VV	11079	130719	7.38%	0.182%
70	7.140	7.108	7.163	VV	51752	762831	43.09%	1.060%
71	7.180	7.163	7.197	VV	13448	227759	12.87%	0.316%
72	7.204	7.197	7.214	VV	9345	87989	4.97%	0.122%
73	7.227	7.214	7.239	VV	10471	148983	8.42%	0.207%
74	7.268	7.239	7.288	VV	22237	475808	26.88%	0.661%
75	7.307	7.288	7.343	VV	37259	723200	40.85%	1.005%
76	7.376	7.343	7.407	VV	27169	700829	39.59%	0.974%
77	7.421	7.407	7.434	VV	14094	181519	10.25%	0.252%
78	7.455	7.434	7.500	VV	44878	941189	53.17%	1.308%
79	7.520	7.500	7.540	VV	27106	415040	23.44%	0.577%
80	7.555	7.540	7.567	VV	11993	172849	9.76%	0.240%
81	7.581	7.567	7.596	VV	11874	176223	9.95%	0.245%
82	7.613	7.596	7.628	VV	11010	186232	10.52%	0.259%
83	7.661	7.628	7.708	VV	26892	810594	45.79%	1.126%
84	7.736	7.708	7.750	VV	22475	448637	25.34%	0.623%
85	7.764	7.750	7.795	VV	20405	411206	23.23%	0.571%
86	7.821	7.795	7.836	VV	11216	258277	14.59%	0.359%
87	7.858	7.836	7.888	VV	32542	626347	35.38%	0.870%
88	7.908	7.888	7.928	VV	23991	396422	22.39%	0.551%
89	7.950	7.928	7.960	VV	9681	172446	9.74%	0.240%

Instrument :
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EX-11-TPH-10DL2

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rteres

90	7.997	7.960	8.039	VV	41248	922137	52.09%	1.281%
91	8.048	8.039	8.064	VV	12211	173322	9	
92	8.071	8.064	8.082	VV	10769	114019	6	
93	8.093	8.082	8.101	VV	11887	127909	7	
94	8.115	8.101	8.133	VV	14213	236431	13	
95	8.153	8.133	8.171	VV	15403	294271	16	
96	8.186	8.171	8.194	VV	14544	189448	10.70%	0.263%
97	8.203	8.194	8.223	VV	14815	235554	13.31%	0.327%
98	8.252	8.223	8.261	VV	16411	337140	19.04%	0.468%
99	8.279	8.261	8.302	VV	24484	479490	27.09%	0.666%
100	8.316	8.302	8.331	VV	24675	324237	18.32%	0.451%
101	8.366	8.331	8.370	VV	81767	908718	51.33%	1.263%
102	8.380	8.370	8.453	VV	94871	1550114	87.56%	2.154%
103	8.485	8.453	8.500	VV	141986	1770280	100.00%	2.460%
104	8.513	8.500	8.535	VV	100172	1195934	67.56%	1.662%
105	8.548	8.535	8.569	VV	24537	399378	22.56%	0.555%
106	8.601	8.569	8.619	VV	21622	516069	29.15%	0.717%
107	8.653	8.619	8.700	VV	51933	1380974	78.01%	1.919%
108	8.720	8.700	8.739	VV	23430	402683	22.75%	0.560%
109	8.762	8.739	8.797	VV	32379	731746	41.34%	1.017%
110	8.809	8.797	8.826	VV	17232	252204	14.25%	0.350%
111	8.847	8.826	8.861	VV	14596	286680	16.19%	0.398%
112	8.876	8.861	8.903	VV	18742	357109	20.17%	0.496%
113	8.922	8.903	8.942	VV	14811	304182	17.18%	0.423%
114	8.979	8.942	9.002	VV	16720	488835	27.61%	0.679%
115	9.025	9.002	9.055	VV	19140	475130	26.84%	0.660%
116	9.101	9.055	9.120	VV	27164	778231	43.96%	1.081%
117	9.133	9.120	9.148	VV	19337	265512	15.00%	0.369%
118	9.163	9.148	9.187	VV	16830	332135	18.76%	0.462%
119	9.210	9.187	9.231	VV	54835	835725	47.21%	1.161%
120	9.246	9.231	9.267	VV	27294	422216	23.85%	0.587%
121	9.283	9.267	9.306	VV	21203	380944	21.52%	0.529%
122	9.336	9.306	9.349	VV	27286	503500	28.44%	0.700%
123	9.354	9.349	9.364	VV	19927	163439	9.23%	0.227%
124	9.381	9.364	9.399	VV	57451	710983	40.16%	0.988%
125	9.422	9.399	9.493	VV	63534	1267468	71.60%	1.761%
126	9.538	9.493	9.555	VV	52040	863737	48.79%	1.200%
127	9.570	9.555	9.604	VV	44157	667086	37.68%	0.927%
128	9.618	9.604	9.632	VV	10984	168281	9.51%	0.234%
129	9.675	9.632	9.704	VV	52762	1092965	61.74%	1.519%
130	9.720	9.704	9.736	VV	13709	227279	12.84%	0.316%
131	9.759	9.736	9.771	VV	18380	308749	17.44%	0.429%
132	9.783	9.771	9.808	VV	19362	319293	18.04%	0.444%
133	9.838	9.808	9.868	VV	41498	752727	42.52%	1.046%
134	9.877	9.868	9.892	VV	12739	167976	9.49%	0.233%
135	9.911	9.892	9.925	VV	18940	303767	17.16%	0.422%
136	9.940	9.925	9.951	VV	22966	294359	16.63%	0.409%
137	9.964	9.951	9.989	VV	27485	453390	25.61%	0.630%
138	10.002	9.989	10.026	VV	14777	286606	16.19%	0.398%
139	10.043	10.026	10.062	VV	14587	268530	15.17%	0.373%
140	10.085	10.062	10.106	VV	20945	433949	24.51%	0.603%
141	10.115	10.106	10.122	VV	16328	159742	9.02%	0.222%

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rteres

142	10.133	10.122	10.150	VV	18209	261039	14.75%	0.363%
143	10.184	10.150	10.226	VV	20819	704972	39	
144	10.248	10.226	10.259	VV	12264	223959	12	
145	10.278	10.259	10.313	VV	16079	386207	21	
146	10.344	10.313	10.392	VV	20474	592759	33	
147	10.402	10.392	10.426	VV	7634	140680	7	
148	10.448	10.426	10.464	VV	9887	192768	10.89%	0.268%
149	10.469	10.464	10.480	VV	8509	76224	4.31%	0.106%
150	10.503	10.480	10.529	VV	24333	403082	22.77%	0.560%
151	10.556	10.529	10.581	VV	18176	390114	22.04%	0.542%
152	10.611	10.581	10.624	VV	23748	397838	22.47%	0.553%
153	10.639	10.624	10.664	VV	25881	425640	24.04%	0.591%
154	10.684	10.664	10.727	VV	28104	583937	32.99%	0.811%
155	10.758	10.727	10.800	VV	22124	669464	37.82%	0.930%
156	10.821	10.800	10.847	VV	18334	406000	22.93%	0.564%
157	10.854	10.847	10.870	VV	12548	157677	8.91%	0.219%
158	10.895	10.870	10.911	VV	14592	313083	17.69%	0.435%
159	10.930	10.911	10.948	VV	19505	316481	17.88%	0.440%
160	10.979	10.948	11.006	VV	28176	599726	33.88%	0.833%
161	11.038	11.006	11.055	VV	11356	310389	17.53%	0.431%
162	11.065	11.055	11.084	VV	10465	158608	8.96%	0.220%
163	11.124	11.084	11.141	VV	11124	329080	18.59%	0.457%
164	11.168	11.141	11.226	VV	21347	615499	34.77%	0.855%
165	11.251	11.226	11.281	VV	10971	296423	16.74%	0.412%
166	11.300	11.281	11.324	VV	8934	196220	11.08%	0.273%
167	11.348	11.324	11.364	VV	9190	195138	11.02%	0.271%
168	11.382	11.364	11.402	VV	9551	188563	10.65%	0.262%
169	11.439	11.402	11.450	VV	8593	226542	12.80%	0.315%
170	11.474	11.450	11.496	VV	15371	306128	17.29%	0.425%
171	11.515	11.496	11.523	VV	12896	175319	9.90%	0.244%
172	11.525	11.523	11.544	VV	12678	139738	7.89%	0.194%
173	11.560	11.544	11.589	VV	13317	306068	17.29%	0.425%
174	11.593	11.589	11.622	VV	9442	176807	9.99%	0.246%
175	11.644	11.622	11.672	VV	12116	318688	18.00%	0.443%
176	11.696	11.672	11.729	VV	17577	419740	23.71%	0.583%
177	11.761	11.729	11.783	VV	10909	265217	14.98%	0.369%
178	11.823	11.783	11.844	VV	14047	352728	19.93%	0.490%
179	11.857	11.844	11.888	VV	9264	207687	11.73%	0.289%
180	11.931	11.888	11.952	VV	38454	626172	35.37%	0.870%
181	11.970	11.952	11.986	VV	18547	283552	16.02%	0.394%
182	12.002	11.986	12.038	VV	19513	358954	20.28%	0.499%
183	12.074	12.038	12.095	VV	8467	255105	14.41%	0.354%
184	12.119	12.095	12.136	VV	15405	265973	15.02%	0.370%
185	12.153	12.136	12.202	VV	14098	369123	20.85%	0.513%
186	12.220	12.202	12.239	VV	7014	142105	8.03%	0.197%
187	12.263	12.239	12.292	VV	10033	256493	14.49%	0.356%
188	12.307	12.292	12.328	VV	9091	162548	9.18%	0.226%
189	12.337	12.328	12.358	VV	6840	117939	6.66%	0.164%
190	12.373	12.358	12.395	VV	7250	143038	8.08%	0.199%
191	12.409	12.395	12.437	VV	6417	150744	8.52%	0.209%
192	12.473	12.437	12.488	VV	7854	197170	11.14%	0.274%
193	12.509	12.488	12.522	VV	8357	153812	8.69%	0.214%
194	12.531	12.522	12.561	VV	7822	147510	8.33%	0.205%

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rteres

195	12.587	12.561	12.607	VV	6822	162043	9.15%	0.225%
196	12.624	12.607	12.636	VV	5993	95148	5	
197	12.651	12.636	12.682	VV	6681	170122	9	
198	12.715	12.682	12.740	VV	7651	213609	12	
199	12.763	12.740	12.806	VV	10786	293292	16	
200	12.872	12.806	12.892	VV	16210	422771	23	
201	12.908	12.892	12.926	VV	9374	165030	9.32%	0.229%
202	12.938	12.926	12.969	VV	8026	160871	9.09%	0.224%
203	12.990	12.969	13.071	VV	7150	303704	17.16%	0.422%
204	13.112	13.071	13.138	VV	5071	167870	9.48%	0.233%
205	13.184	13.138	13.201	VV	4198	138256	7.81%	0.192%
206	13.207	13.201	13.219	VV	3841	40195	2.27%	0.056%
207	13.237	13.219	13.262	VV	4131	96738	5.46%	0.134%
208	13.290	13.262	13.334	VV	5155	170135	9.61%	0.236%
209	13.371	13.334	13.401	VV	6417	179013	10.11%	0.249%
210	13.427	13.401	13.456	VV	4536	134138	7.58%	0.186%
211	13.461	13.456	13.487	VV	3924	68599	3.88%	0.095%
212	13.495	13.487	13.524	VV	3273	65615	3.71%	0.091%
213	13.571	13.524	13.599	VV	5170	167205	9.45%	0.232%
214	13.621	13.599	13.662	VV	5789	146446	8.27%	0.203%
215	13.683	13.662	13.698	VV	3822	65808	3.72%	0.091%
216	13.714	13.698	13.742	VV	3944	86403	4.88%	0.120%
217	13.762	13.742	13.782	VV	3159	67888	3.83%	0.094%
218	13.795	13.782	13.828	VV	3095	74182	4.19%	0.103%
219	13.843	13.828	13.857	VV	2603	42606	2.41%	0.059%
220	13.882	13.857	13.906	VV	2741	73706	4.16%	0.102%
221	13.920	13.906	13.941	VV	2452	46532	2.63%	0.065%
222	13.947	13.941	13.963	VV	1931	24349	1.38%	0.034%
223	13.991	13.963	14.018	VV	2427	69854	3.95%	0.097%
224	14.037	14.018	14.058	VV	2696	58216	3.29%	0.081%
225	14.066	14.058	14.128	VV	2674	84717	4.79%	0.118%
226	14.159	14.128	14.186	VV	2603	74455	4.21%	0.103%
227	14.202	14.186	14.231	VV	2095	49525	2.80%	0.069%
228	14.234	14.231	14.239	VV	1685	8785	0.50%	0.012%
229	14.243	14.239	14.247	VV	1701	7940	0.45%	0.011%
230	14.254	14.247	14.314	VV	1672	54126	3.06%	0.075%
231	14.339	14.314	14.344	VV	1563	24591	1.39%	0.034%
232	14.355	14.344	14.385	VV	1645	34126	1.93%	0.047%
233	14.389	14.385	14.406	VV	1233	13701	0.77%	0.019%
234	14.417	14.406	14.420	VV	1131	9113	0.51%	0.013%
235	14.436	14.420	14.466	VV	1412	32384	1.83%	0.045%
236	14.495	14.466	14.524	VV	1757	45485	2.57%	0.063%
237	14.542	14.524	14.565	VV	1172	26672	1.51%	0.037%
238	14.593	14.565	14.613	VV	1396	35377	2.00%	0.049%
239	14.625	14.613	14.667	VV	1299	34019	1.92%	0.047%
240	14.699	14.667	14.716	VV	1143	29130	1.65%	0.040%
241	14.737	14.716	14.765	VV	1241	31902	1.80%	0.044%
242	14.776	14.765	14.781	VV	994	8476	0.48%	0.012%
243	14.825	14.781	14.858	VV	1343	53481	3.02%	0.074%
244	14.865	14.858	14.888	VV	1101	16958	0.96%	0.024%
245	14.903	14.888	14.927	VV	932	17920	1.01%	0.025%
246	14.935	14.927	14.964	VV	732	15166	0.86%	0.021%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

					rteres			
247	14.985	14.964	15.011	VV	872	20729	1.17%	0.029%
248	15.026	15.011	15.056	VV	790	16968		
249	15.069	15.056	15.097	VV	590	12861		
250	15.100	15.097	15.105	VV	474	1995		
251	15.119	15.105	15.144	VV	584	11433		
252	15.166	15.144	15.180	VV	537	10245		
253	15.185	15.180	15.204	VV	501	6056	0.34%	0.008%
254	15.223	15.204	15.242	VV	720	14392	0.81%	0.020%
255	15.261	15.242	15.266	VV	678	8762	0.49%	0.012%
256	15.269	15.266	15.286	VV	624	6445	0.36%	0.009%
257	15.291	15.286	15.296	VV	487	2474	0.14%	0.003%
258	15.322	15.296	15.336	VV	679	13382	0.76%	0.019%
259	15.356	15.336	15.381	VV	722	16511	0.93%	0.023%
260	15.398	15.381	15.449	VV	681	21362	1.21%	0.030%
261	15.453	15.449	15.461	VV	423	2678	0.15%	0.004%
262	15.480	15.461	15.516	VV	545	12073	0.68%	0.017%
263	15.529	15.516	15.544	VV	283	4019	0.23%	0.006%
264	15.560	15.544	15.576	VV	279	4385	0.25%	0.006%
265	15.611	15.576	15.642	VV	459	14366	0.81%	0.020%
266	15.650	15.642	15.679	VV	540	9521	0.54%	0.013%
267	15.689	15.679	15.721	VV	338	6354	0.36%	0.009%
268	15.773	15.732	15.793	VV	422	10348	0.58%	0.014%
269	15.807	15.801	15.811	VV	165	1053	0.06%	0.001%
270	15.820	15.811	15.836	VV	236	1955	0.11%	0.003%
271	15.874	15.836	15.882	VV	359	6748	0.38%	0.009%
272	15.887	15.882	15.912	VV	299	3926	0.22%	0.005%
273	15.940	15.934	15.947	VV	152	1011	0.06%	0.001%
274	15.961	15.947	15.976	VV	174	2501	0.14%	0.003%
275	15.982	15.976	15.987	VV	203	1090	0.06%	0.002%
276	16.001	15.987	16.006	VV	284	2422	0.14%	0.003%
277	16.019	16.006	16.040	VV	294	5223	0.30%	0.007%
278	16.047	16.040	16.059	VV	251	2348	0.13%	0.003%
279	16.080	16.059	16.096	VV	314	5107	0.29%	0.007%
280	16.107	16.096	16.116	VV	176	1566	0.09%	0.002%
281	16.119	16.116	16.134	VV	227	1540	0.09%	0.002%
282	16.142	16.134	16.150	VV	177	1144	0.06%	0.002%
283	16.171	16.150	16.181	VV	311	3810	0.22%	0.005%
284	16.184	16.181	16.193	VV	333	1863	0.11%	0.003%
285	16.196	16.193	16.205	VV	262	1660	0.09%	0.002%
286	16.213	16.205	16.237	VV	277	3802	0.21%	0.005%
287	16.252	16.237	16.279	VV	348	6382	0.36%	0.009%
288	16.282	16.279	16.294	VV	230	1746	0.10%	0.002%
289	16.299	16.294	16.316	VV	265	2102	0.12%	0.003%
290	16.329	16.327	16.349	VV	120	1375	0.08%	0.002%
291	16.362	16.349	16.382	VV	212	2849	0.16%	0.004%
292	16.394	16.382	16.414	VV	197	1844	0.10%	0.003%
293	16.436	16.414	16.446	PV	223	2591	0.15%	0.004%
294	16.467	16.446	16.485	VV	333	4748	0.27%	0.007%
295	16.505	16.485	16.527	VV	174	2839	0.16%	0.004%
296	16.559	16.527	16.593	VV	319	8302	0.47%	0.012%
297	16.616	16.593	16.622	VV	198	2634	0.15%	0.004%
298	16.626	16.622	16.641	VV	183	1475	0.08%	0.002%
299	16.654	16.641	16.666	VV	222	2698	0.15%	0.004%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-10DL2

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/10/2025

rteres

300	16.672	16.666	16.691	VV	221	2278	0.13%	0.003%
301	16.697	16.691	16.711	VV	214	1513		
302	16.737	16.711	16.766	VV	395	8650		
303	16.774	16.766	16.797	VV	337	4780		
304	16.809	16.797	16.814	VV	219	1752		
305	16.827	16.814	16.844	VV	211	2778		
306	16.865	16.844	16.889	VV	232	4761	0.27%	0.007%
307	16.914	16.889	16.947	VV	361	9370	0.53%	0.013%
308	16.957	16.947	16.971	VV	274	2858	0.16%	0.004%
309	16.980	16.971	16.997	VV	201	1723	0.10%	0.002%
310	17.013	16.997	17.035	VV	192	3203	0.18%	0.004%
311	17.044	17.035	17.052	VV	188	1434	0.08%	0.002%
312	17.084	17.052	17.124	VV	435	10080	0.57%	0.014%
313	17.209	17.141	17.239	VV	647	18218	1.03%	0.025%
314	17.250	17.239	17.284	VV	465	7257	0.41%	0.010%
315	17.310	17.284	17.327	VV	198	3032	0.17%	0.004%
316	17.395	17.361	17.406	PV	196	2357	0.13%	0.003%
317	17.417	17.406	17.425	VV	180	1406	0.08%	0.002%
318	17.445	17.425	17.461	VV	286	3642	0.21%	0.005%
319	17.472	17.461	17.482	VV	216	1996	0.11%	0.003%
320	17.522	17.494	17.532	VV	218	3629	0.20%	0.005%
321	17.543	17.532	17.562	VV	239	3244	0.18%	0.005%
322	17.575	17.562	17.584	VV	236	2448	0.14%	0.003%
323	17.616	17.584	17.619	VV	374	5989	0.34%	0.008%
324	17.629	17.619	17.635	VV	405	3373	0.19%	0.005%
325	17.659	17.635	17.713	VV	963	21220	1.20%	0.029%
326	17.760	17.713	17.766	VV	427	8860	0.50%	0.012%
327	17.769	17.766	17.788	VV	287	2340	0.13%	0.003%
328	17.833	17.788	17.869	VV	320	10240	0.58%	0.014%
329	17.877	17.869	17.907	VV	210	3014	0.17%	0.004%
330	17.924	17.907	17.931	PV	229	1805	0.10%	0.003%
331	17.935	17.931	17.950	VV	154	1471	0.08%	0.002%
332	17.988	17.960	17.991	VV	130	1809	0.10%	0.003%
333	18.013	17.991	18.025	VV	153	2286	0.13%	0.003%
334	18.093	18.034	18.131	VV	1284	25505	1.44%	0.035%
335	18.142	18.131	18.164	VV	318	4748	0.27%	0.007%
336	18.176	18.164	18.180	VV	232	1851	0.10%	0.003%
337	18.196	18.180	18.207	VV	282	3872	0.22%	0.005%
338	18.246	18.207	18.252	VV	467	9164	0.52%	0.013%
339	18.261	18.252	18.329	VV	441	10880	0.61%	0.015%
340	18.367	18.329	18.404	VV	527	11383	0.64%	0.016%
341	18.450	18.404	18.454	VV	255	4469	0.25%	0.006%
342	18.462	18.454	18.489	VV	310	4834	0.27%	0.007%
343	18.518	18.489	18.561	VV	1359	24996	1.41%	0.035%
344	18.601	18.561	18.642	VV	331	9338	0.53%	0.013%
345	18.647	18.642	18.685	PV	158	1645	0.09%	0.002%
346	18.790	18.717	18.801	PBA	178	4193	0.24%	0.006%

Sum of corrected areas: 71967921

Aromatic EPH 020525.M Mon Feb 10 01:54:45 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-11	SDG No.:	Q1308
Lab Sample ID:	Q1308-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/10/25 11:30	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	274		50	21.5	56.7	mg/kg	FE052313.D
Aliphatic C12-C16	Aliphatic C12-C16	552		50	13.6	37.8	mg/kg	FE052313.D
Aliphatic C16-C21	Aliphatic C16-C21	185		50	17.0	56.7	mg/kg	FE052313.D
Aliphatic C21-C28	Aliphatic C21-C28	19.3		1	0.91	1.51	mg/kg	FE052291.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0		1	2.04	2.27	mg/kg	FE052291.D
Aromatic C10-C12	Aromatic C10-C12	40.6		10	3.40	7.55	mg/kg	FF015513.D
Aromatic C12-C16	Aromatic C12-C16	159		10	3.85	11.3	mg/kg	FF015513.D
Aromatic C16-C21	Aromatic C16-C21	182		10	10.9	18.9	mg/kg	FF015513.D
Aromatic C21-C36	Aromatic C21-C36	14.3		1	2.27	3.02	mg/kg	FF015493.D
Total AliphaticEPH	Total AliphaticEPH	1050			55.0	155	mg/kg	
Total AromaticEPH	Total AromaticEPH	396			20.4	40.8	mg/kg	
Total EPH	Total EPH	1440			75.5	196	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-11	SDG No.:	Q1308
Lab Sample ID:	Q1308-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
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
FE052291.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		233	E	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		466	E	0.27	0.76	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		158	E	0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		19.3		0.91	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		17.0		2.04	2.27	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		47.8		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:	Q1308-10	Acq On:	07 Feb 2025 14:57
Client Sample ID:	EX-11-TPH-11	Operator:	YP\AJ
Data file:	FE052291.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	297467375	3090	300	ug/ml
Aliphatic C12-C16	7.236	10.639	646816462	6180	200	ug/ml
Aliphatic C16-C21	10.640	13.984	236773534	2090	300	ug/ml
Aliphatic C21-C28	13.985	17.628	29117307	255.418	400	ug/ml
Aliphatic C28-C40	17.629	22.712	20632731	225.362	600	ug/ml
Aliphatic EPH	3.679	22.712	1230807409	11800		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.724	13.724	4721308	47.84		ug/ml
Aliphatic C9-C28	3.679	17.628	1210174678	11600	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052291.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 14:57
Operator : YP\AJ
Sample : Q1308-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 08 02:24:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-11

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.724	4721308	47.839 ug/mlm
Spiked Amount 50.000		Recovery = 95.68%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052291.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 14:57
Operator : YP\AJ
Sample : Q1308-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

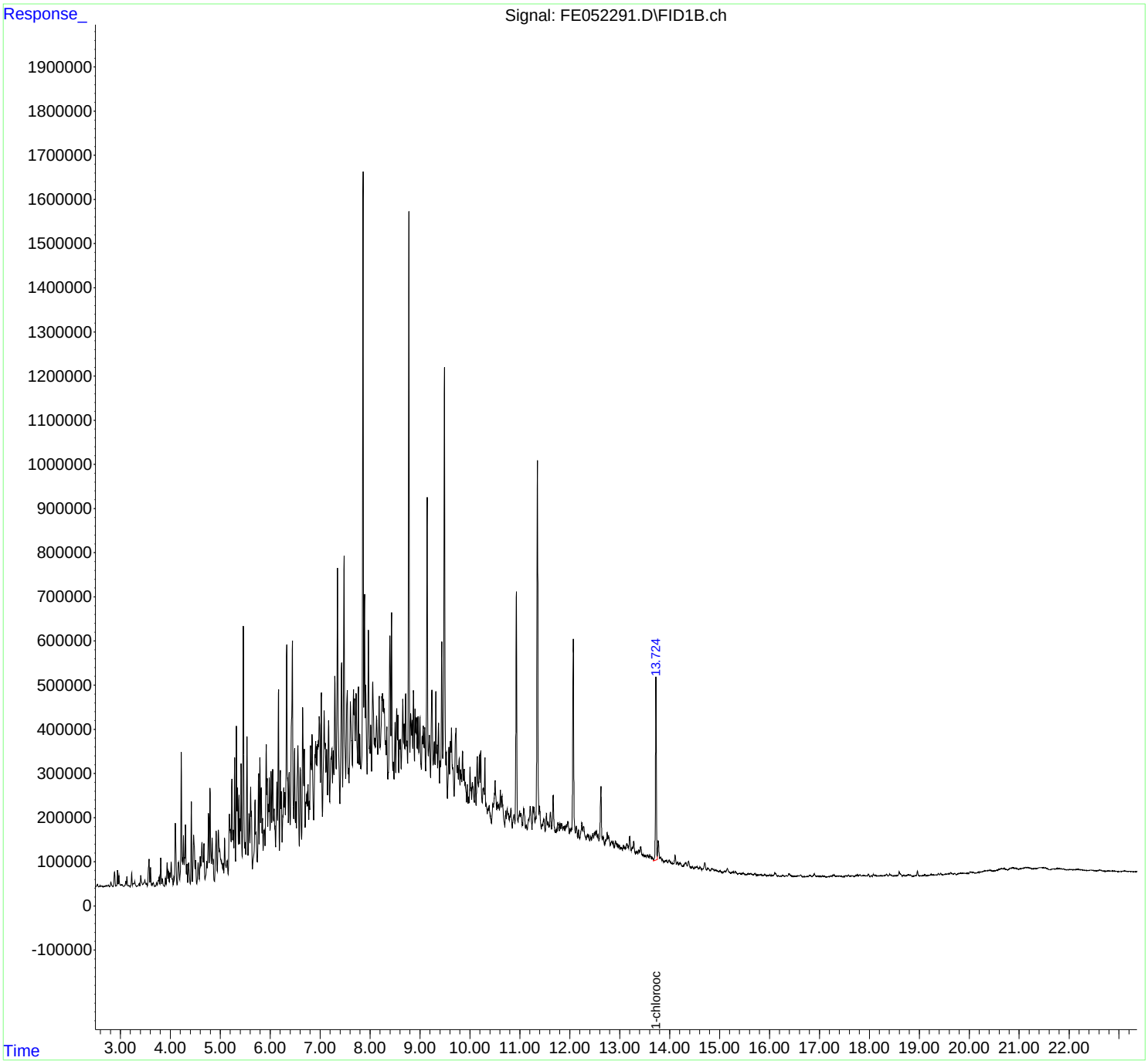
Integration File: autoint1.e
Quant Time: Feb 08 02:24:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

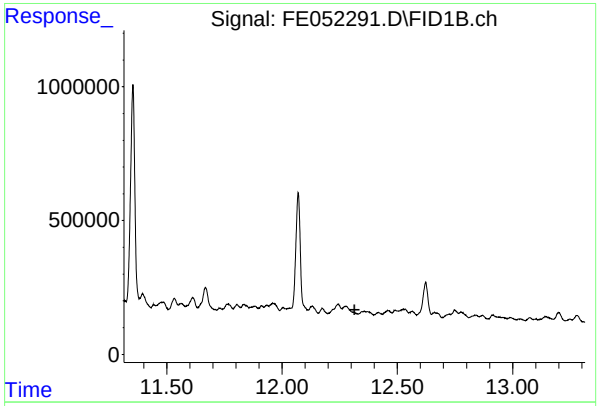
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





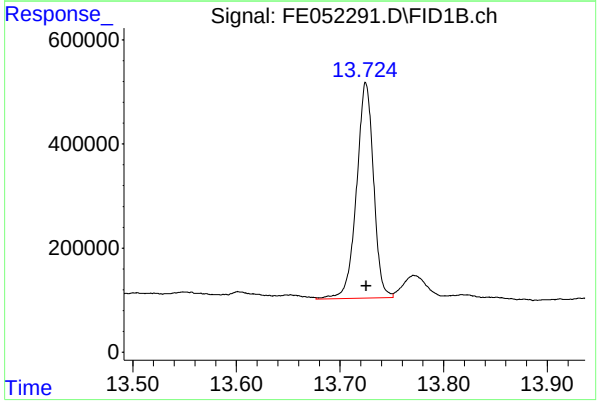
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.724 min
Delta R.T.: -0.001 min
Response: 4721308
Conc: 47.84 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052291.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 14:57
Sample : Q1308-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.226	3.204	3.243	PH	-5852	-538861	-2.35%	-0.044%
2	3.257	3.243	3.267	PV	-11638	-221152	-0.97%	-0.018%
3	3.287	3.267	3.333	PV	6876	53103	0.23%	0.004%
4	3.375	3.333	3.389	PV	5995	76796	0.34%	0.006%
5	3.408	3.389	3.444	VV	24522	348785	1.52%	0.028%
6	3.489	3.444	3.514	VV	14029	316536	1.38%	0.026%
7	3.525	3.514	3.540	VV	6774	73079	0.32%	0.006%
8	3.573	3.540	3.589	VV	62344	903140	3.94%	0.073%
9	3.603	3.589	3.625	VV	42469	435269	1.90%	0.035%
10	3.657	3.625	3.688	VV	8628	168365	0.74%	0.014%
11	3.724	3.688	3.738	VV	8679	93048	0.41%	0.008%
12	3.776	3.738	3.790	VV	21719	362761	1.58%	0.029%
13	3.809	3.790	3.828	VV	64190	674352	2.95%	0.055%
14	3.841	3.828	3.880	VV	16925	214747	0.94%	0.017%
15	3.902	3.880	3.916	PV	18693	184141	0.80%	0.015%
16	3.936	3.916	3.952	VV	53327	630627	2.75%	0.051%
17	3.964	3.952	3.979	VV	34239	361889	1.58%	0.029%
18	4.018	3.979	4.057	VV	54707	1150086	5.02%	0.093%
19	4.100	4.057	4.136	VV	140720	2271682	9.92%	0.184%
20	4.163	4.136	4.187	VV	53686	973521	4.25%	0.079%
21	4.220	4.187	4.249	VV	302023	3792218	16.56%	0.308%
22	4.264	4.249	4.278	VV	114528	1314271	5.74%	0.107%
23	4.304	4.278	4.322	VV	139126	2026614	8.85%	0.164%
24	4.332	4.322	4.348	VV	49706	502136	2.19%	0.041%
25	4.366	4.348	4.399	VV	52440	812647	3.55%	0.066%
26	4.421	4.399	4.441	VV	190891	1835253	8.02%	0.149%
27	4.468	4.441	4.495	VV	114704	2248826	9.82%	0.182%
28	4.505	4.495	4.529	VV	58185	679836	2.97%	0.055%
29	4.557	4.529	4.578	VV	51933	825428	3.61%	0.067%
30	4.599	4.578	4.612	VV	67201	921094	4.02%	0.075%
31	4.633	4.612	4.658	VV	99014	1920110	8.39%	0.156%
32	4.673	4.658	4.695	VV	94550	1241221	5.42%	0.101%
33	4.728	4.695	4.739	VV	55398	878478	3.84%	0.071%
34	4.765	4.739	4.779	VV	162282	2269101	9.91%	0.184%
35	4.796	4.779	4.822	VV	220409	2995488	13.08%	0.243%
36	4.838	4.822	4.883	VV	108070	1975938	8.63%	0.160%

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37	4.918	4.883	4.939	VV	123460	2200088	9.61%	0.179%
38	4.963	4.939	5.048	VV	126420	4587827	20	
39	5.059	5.048	5.071	VV	50687	562534	2	
40	5.088	5.071	5.117	VV	107569	1697105	7	
41	5.138	5.117	5.158	VV	56552	1085529	4	
42	5.183	5.158	5.216	VV	161860	3894690	17	
43	5.232	5.216	5.250	VV	240761	3172785	13.86%	0.257%
44	5.260	5.250	5.272	VV	125605	1475313	6.44%	0.120%
45	5.288	5.272	5.305	VV	289209	3308563	14.45%	0.268%
46	5.324	5.305	5.362	VV	359802	6604199	28.85%	0.536%
47	5.375	5.362	5.388	VV	203823	2250400	9.83%	0.183%
48	5.398	5.388	5.404	VV	150674	1246181	5.44%	0.101%
49	5.418	5.404	5.438	VV	275762	3428014	14.97%	0.278%
50	5.463	5.438	5.491	VV	586303	7948962	34.72%	0.645%
51	5.499	5.491	5.511	VV	97617	1034470	4.52%	0.084%
52	5.536	5.511	5.556	VV	337351	4797417	20.95%	0.389%
53	5.578	5.556	5.593	VV	162084	2632618	11.50%	0.214%
54	5.609	5.593	5.645	VV	222185	4266791	18.64%	0.346%
55	5.697	5.645	5.741	VV	192936	5457490	23.84%	0.443%
56	5.767	5.741	5.780	VV	252129	3229644	14.11%	0.262%
57	5.795	5.780	5.810	VV	288006	3608267	15.76%	0.293%
58	5.822	5.810	5.837	VV	220793	2906389	12.69%	0.236%
59	5.846	5.837	5.860	VV	152326	1663958	7.27%	0.135%
60	5.876	5.860	5.898	VV	123115	2493329	10.89%	0.202%
61	5.921	5.898	5.970	VV	318214	8597181	37.55%	0.698%
62	5.984	5.970	6.000	VV	242945	3330075	14.55%	0.270%
63	6.018	6.000	6.033	VV	256743	3884316	16.97%	0.315%
64	6.051	6.033	6.069	VV	262015	4315674	18.85%	0.350%
65	6.078	6.069	6.108	VV	171485	3245428	14.18%	0.263%
66	6.135	6.108	6.148	VV	232508	3949793	17.25%	0.320%
67	6.166	6.148	6.186	VV	437881	5597006	24.45%	0.454%
68	6.203	6.186	6.215	VV	256010	3129360	13.67%	0.254%
69	6.223	6.215	6.239	VV	209820	2459700	10.74%	0.200%
70	6.272	6.239	6.283	VV	220028	4320938	18.87%	0.351%
71	6.293	6.283	6.304	VV	208979	2455008	10.72%	0.199%
72	6.331	6.304	6.365	VV	541865	10507545	45.89%	0.853%
73	6.380	6.365	6.401	VV	253730	4196362	18.33%	0.340%
74	6.444	6.401	6.471	VV	553685	12691543	55.43%	1.030%
75	6.489	6.471	6.504	VV	308977	4389625	19.17%	0.356%
76	6.514	6.504	6.525	VV	188364	2046903	8.94%	0.166%
77	6.555	6.525	6.582	VV	314583	7289305	31.84%	0.591%
78	6.602	6.582	6.630	VV	264931	5200422	22.71%	0.422%
79	6.652	6.630	6.673	VV	400334	6796443	29.69%	0.551%
80	6.684	6.673	6.702	VV	307113	4023133	17.57%	0.326%
81	6.733	6.702	6.745	VV	206283	4738047	20.69%	0.384%
82	6.758	6.745	6.773	VV	226738	3266651	14.27%	0.265%
83	6.807	6.773	6.827	VV	308917	7485012	32.69%	0.607%
84	6.840	6.827	6.871	VV	337795	6508546	28.43%	0.528%
85	6.910	6.871	6.921	VV	322975	7644991	33.39%	0.620%
86	6.984	6.921	7.006	VV	372908	16086815	70.26%	1.305%
87	7.024	7.006	7.047	VV	434369	7282130	31.81%	0.591%
88	7.082	7.047	7.117	VV	391968	12119693	52.94%	0.983%
89	7.131	7.117	7.149	VV	305690	5109330	22.32%	0.415%

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90	7.171	7.149	7.192	VV	369827	7103876	31.03%	0.576%
91	7.234	7.192	7.249	VV	306725	8988448	39	
92	7.264	7.249	7.277	VV	301008	4555035	19	
93	7.296	7.277	7.321	VV	472002	9255505	40	
94	7.349	7.321	7.396	VV	707470	16828073	73	
95	7.430	7.396	7.452	VV	499907	11276841	49	
96	7.480	7.452	7.514	VV	746196	15170734	66.26%	1.231%
97	7.543	7.514	7.579	VV	438632	12750834	55.69%	1.035%
98	7.608	7.579	7.646	VV	412577	13053636	57.02%	1.059%
99	7.669	7.646	7.703	VV	434000	12726385	55.59%	1.033%
100	7.722	7.703	7.751	VV	432405	10195645	44.53%	0.827%
101	7.767	7.751	7.783	VV	446270	6795733	29.68%	0.551%
102	7.796	7.783	7.818	VV	338303	6052210	26.43%	0.491%
103	7.860	7.818	7.876	VV	1618702	22894857	100.00%	1.858%
104	7.890	7.876	7.905	VV	655402	9188086	40.13%	0.746%
105	7.914	7.905	7.942	VV	449801	7847978	34.28%	0.637%
106	7.969	7.942	8.001	VV	570512	13414617	58.59%	1.088%
107	8.014	8.001	8.031	VV	358770	5727381	25.02%	0.465%
108	8.055	8.031	8.085	VV	456076	11930031	52.11%	0.968%
109	8.095	8.085	8.107	VV	328088	4182578	18.27%	0.339%
110	8.133	8.107	8.156	VV	378734	9786035	42.74%	0.794%
111	8.183	8.156	8.206	VV	424425	10351250	45.21%	0.840%
112	8.251	8.206	8.262	VV	430374	12649835	55.25%	1.026%
113	8.270	8.262	8.324	VV	416773	13341679	58.27%	1.083%
114	8.337	8.324	8.357	VV	353593	5930747	25.90%	0.481%
115	8.399	8.357	8.417	VV	561001	13710568	59.88%	1.112%
116	8.432	8.417	8.458	VV	611905	10174401	44.44%	0.826%
117	8.467	8.458	8.481	VV	275585	3450381	15.07%	0.280%
118	8.503	8.481	8.516	VV	362100	6419368	28.04%	0.521%
119	8.535	8.516	8.549	VV	395380	6617416	28.90%	0.537%
120	8.558	8.549	8.575	VV	380977	5120174	22.36%	0.415%
121	8.608	8.575	8.624	VV	325882	8908004	38.91%	0.723%
122	8.657	8.624	8.672	VV	416009	9734880	42.52%	0.790%
123	8.684	8.672	8.697	VV	358869	4886877	21.34%	0.397%
124	8.714	8.697	8.753	VV	430032	11445556	49.99%	0.929%
125	8.779	8.753	8.800	VV	1501947	19999604	87.35%	1.623%
126	8.816	8.800	8.833	VV	383915	7091636	30.97%	0.575%
127	8.844	8.833	8.855	VV	368771	4557281	19.91%	0.370%
128	8.871	8.855	8.889	VV	436596	7387780	32.27%	0.599%
129	8.904	8.889	8.915	VV	392405	5461014	23.85%	0.443%
130	8.928	8.915	8.945	VV	374252	6177548	26.98%	0.501%
131	8.960	8.945	8.978	VV	376379	6665717	29.11%	0.541%
132	8.999	8.978	9.027	VV	375583	9126617	39.86%	0.741%
133	9.046	9.027	9.053	VV	332748	4785700	20.90%	0.388%
134	9.066	9.053	9.081	VV	353306	5636488	24.62%	0.457%
135	9.094	9.081	9.114	VV	349138	5978285	26.11%	0.485%
136	9.145	9.114	9.168	VV	871238	15322261	66.92%	1.243%
137	9.190	9.168	9.212	VV	333981	7880402	34.42%	0.639%
138	9.240	9.212	9.268	VV	437647	11332771	49.50%	0.920%
139	9.288	9.268	9.302	VV	319449	6031861	26.35%	0.489%
140	9.319	9.302	9.354	VV	433176	10149852	44.33%	0.824%
141	9.373	9.354	9.392	VV	361010	6843719	29.89%	0.555%

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142	9.438	9.392	9.458	VV	546135	13257899	57.91%	1.076%
143	9.491	9.458	9.519	VV	1168932	20505507	89	
144	9.529	9.519	9.550	VV	293906	4791434	20	
145	9.580	9.550	9.594	VV	306128	6525200	28	
146	9.612	9.594	9.621	VV	320146	4696011	20	
147	9.632	9.621	9.686	VV	347458	10500407	45	
148	9.721	9.686	9.744	VV	349279	10063412	43.95%	0.817%
149	9.756	9.744	9.770	VV	264045	3836857	16.76%	0.311%
150	9.787	9.770	9.802	VV	281661	4974833	21.73%	0.404%
151	9.814	9.802	9.837	VV	254172	4966924	21.69%	0.403%
152	9.854	9.837	9.874	VV	295828	5745925	25.10%	0.466%
153	9.887	9.874	9.934	VV	256729	8075749	35.27%	0.655%
154	9.948	9.934	9.964	VV	220949	3571886	15.60%	0.290%
155	9.974	9.964	9.983	VV	192914	2177169	9.51%	0.177%
156	10.004	9.983	10.035	VV	260084	6768424	29.56%	0.549%
157	10.052	10.035	10.087	VV	225349	6388380	27.90%	0.518%
158	10.107	10.087	10.124	VV	238845	4658692	20.35%	0.378%
159	10.148	10.124	10.173	VV	284029	6864059	29.98%	0.557%
160	10.192	10.173	10.204	VV	287150	4666459	20.38%	0.379%
161	10.218	10.204	10.248	VV	297499	6065296	26.49%	0.492%
162	10.268	10.248	10.286	VV	213336	4689152	20.48%	0.380%
163	10.301	10.286	10.349	VV	281369	7432012	32.46%	0.603%
164	10.364	10.349	10.374	VV	166476	2421630	10.58%	0.196%
165	10.386	10.374	10.431	VV	172657	5312688	23.20%	0.431%
166	10.461	10.431	10.471	VV	177153	3847684	16.81%	0.312%
167	10.506	10.471	10.535	VV	229490	7485095	32.69%	0.607%
168	10.548	10.535	10.561	VV	179984	2650671	11.58%	0.215%
169	10.575	10.561	10.592	VV	174380	3193361	13.95%	0.259%
170	10.612	10.592	10.628	VV	208512	3881780	16.95%	0.315%
171	10.644	10.628	10.699	VV	194184	6877805	30.04%	0.558%
172	10.718	10.699	10.731	VV	159923	2859004	12.49%	0.232%
173	10.749	10.731	10.788	VV	165166	5187751	22.66%	0.421%
174	10.821	10.788	10.849	VV	165798	5368314	23.45%	0.436%
175	10.883	10.849	10.900	VV	152290	4326136	18.90%	0.351%
176	10.932	10.900	10.962	VV	658000	11483789	50.16%	0.932%
177	10.997	10.962	11.009	VV	160392	4237106	18.51%	0.344%
178	11.021	11.009	11.054	VV	154818	3837938	16.76%	0.311%
179	11.081	11.054	11.118	VV	163897	5493867	24.00%	0.446%
180	11.129	11.118	11.149	VV	126961	2337586	10.21%	0.190%
181	11.210	11.149	11.244	VV	169457	8045818	35.14%	0.653%
182	11.264	11.244	11.274	VV	168192	2706440	11.82%	0.220%
183	11.283	11.274	11.302	VV	167824	2658385	11.61%	0.216%
184	11.353	11.302	11.383	VV	957172	17065398	74.54%	1.385%
185	11.395	11.383	11.431	VV	170108	4245704	18.54%	0.345%
186	11.445	11.431	11.454	VV	129208	1768435	7.72%	0.143%
187	11.484	11.454	11.508	VV	140274	4213671	18.40%	0.342%
188	11.533	11.508	11.551	VV	153209	3457037	15.10%	0.281%
189	11.563	11.551	11.582	VV	134256	2418155	10.56%	0.196%
190	11.613	11.582	11.634	VV	155729	4294770	18.76%	0.348%
191	11.668	11.634	11.716	VV	194106	6842677	29.89%	0.555%
192	11.730	11.716	11.741	VV	114918	1688032	7.37%	0.137%
193	11.765	11.741	11.788	VV	131467	3444671	15.05%	0.280%
194	11.805	11.788	11.821	VV	130525	2456771	10.73%	0.199%

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195	11.835	11.821	11.858	VV	130536	2743884	11.98%	0.223%
196	11.882	11.858	11.897	VV	123241	2822814	12	
197	11.912	11.897	11.921	VV	125822	1780432	7	
198	11.960	11.921	11.990	VV	134469	5184784	22	
199	12.004	11.990	12.016	VV	118793	1751649	7	
200	12.070	12.016	12.113	VV	547340	12245362	53	
201	12.131	12.113	12.157	VV	124116	2986253	13.04%	0.242%
202	12.175	12.157	12.199	VV	115188	2647150	11.56%	0.215%
203	12.243	12.199	12.260	VV	130815	4164592	18.19%	0.338%
204	12.277	12.260	12.329	VV	122960	4470241	19.53%	0.363%
205	12.357	12.329	12.399	VV	104289	4175837	18.24%	0.339%
206	12.418	12.399	12.438	VV	99598	2222762	9.71%	0.180%
207	12.460	12.438	12.477	VV	106040	2376812	10.38%	0.193%
208	12.491	12.477	12.504	VV	108238	1724446	7.53%	0.140%
209	12.533	12.504	12.551	VV	112574	2998202	13.10%	0.243%
210	12.564	12.551	12.584	VV	102671	1955686	8.54%	0.159%
211	12.623	12.584	12.649	VV	213990	5236230	22.87%	0.425%
212	12.661	12.649	12.698	VV	99029	2694980	11.77%	0.219%
213	12.749	12.698	12.766	VV	108850	3889317	16.99%	0.316%
214	12.777	12.766	12.811	VV	100483	2463048	10.76%	0.200%
215	12.839	12.811	12.856	VV	88858	2284725	9.98%	0.185%
216	12.869	12.856	12.892	VV	87730	1811775	7.91%	0.147%
217	12.914	12.892	12.978	VV	88909	4150629	18.13%	0.337%
218	12.990	12.978	13.016	VV	79033	1740525	7.60%	0.141%
219	13.029	13.016	13.054	VV	74293	1649510	7.20%	0.134%
220	13.075	13.054	13.091	VV	79171	1647278	7.19%	0.134%
221	13.101	13.091	13.115	VV	74426	1024269	4.47%	0.083%
222	13.143	13.115	13.178	VV	83087	2918441	12.75%	0.237%
223	13.199	13.178	13.234	VV	97980	2755281	12.03%	0.224%
224	13.248	13.234	13.257	VV	73355	956357	4.18%	0.078%
225	13.279	13.257	13.323	VV	87389	2871005	12.54%	0.233%
226	13.343	13.323	13.362	VV	65263	1444093	6.31%	0.117%
227	13.383	13.362	13.401	VV	68421	1545029	6.75%	0.125%
228	13.421	13.401	13.454	VV	75862	2082002	9.09%	0.169%
229	13.467	13.454	13.486	VV	56851	1048693	4.58%	0.085%
230	13.503	13.486	13.529	VV	55195	1411379	6.16%	0.115%
231	13.550	13.529	13.584	VV	56701	1773015	7.74%	0.144%
232	13.603	13.584	13.638	VV	57235	1696819	7.41%	0.138%
233	13.651	13.638	13.679	VV	50654	1209564	5.28%	0.098%
234	13.725	13.679	13.751	VV	458128	6610817	28.87%	0.536%
235	13.772	13.751	13.804	VV	88132	2152567	9.40%	0.175%
236	13.820	13.804	13.889	VV	50744	2332649	10.19%	0.189%
237	13.933	13.889	13.962	VV	43706	1807371	7.89%	0.147%
238	13.988	13.962	14.044	VV	44316	1986901	8.68%	0.161%
239	14.053	14.044	14.074	VV	37529	637360	2.78%	0.052%
240	14.108	14.074	14.134	VV	55397	1571879	6.87%	0.128%
241	14.153	14.134	14.184	VV	39026	1090837	4.76%	0.089%
242	14.202	14.184	14.268	VV	37844	1675186	7.32%	0.136%
243	14.319	14.268	14.354	VV	37982	1752981	7.66%	0.142%
244	14.376	14.354	14.441	VV	40737	1653046	7.22%	0.134%
245	14.459	14.441	14.481	VV	28182	647718	2.83%	0.053%
246	14.508	14.481	14.537	VV	27891	873990	3.82%	0.071%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	14.552	14.537	14.575	VV	28635	607634	2.65%	0.049%
248	14.608	14.575	14.641	VV	27143	993186	4	
249	14.702	14.641	14.738	VV	37230	1554066	6	
250	14.767	14.738	14.816	VV	24876	1040167	4	
251	14.845	14.816	14.890	VV	23576	957656	4	
252	14.914	14.890	14.989	VV	20243	1106340	4	
253	15.009	14.989	15.063	VV	19797	734610	3.21%	0.060%
254	15.098	15.063	15.121	VV	18017	570970	2.49%	0.046%
255	15.154	15.121	15.220	VV	23229	1042048	4.55%	0.085%
256	15.270	15.220	15.291	VV	15830	599744	2.62%	0.049%
257	15.312	15.291	15.364	VV	16617	595011	2.60%	0.048%
258	15.385	15.364	15.398	VV	12081	229947	1.00%	0.019%
259	15.406	15.398	15.444	VV	12430	318742	1.39%	0.026%
260	15.471	15.444	15.544	VV	12338	630488	2.75%	0.051%
261	15.564	15.544	15.578	VV	10895	198421	0.87%	0.016%
262	15.596	15.578	15.610	VV	10732	197956	0.86%	0.016%
263	15.627	15.610	15.670	VV	11871	358424	1.57%	0.029%
264	15.707	15.670	15.753	VV	11694	451238	1.97%	0.037%
265	15.819	15.753	15.880	VV	8826	578987	2.53%	0.047%
266	15.904	15.880	15.944	VV	8256	278382	1.22%	0.023%
267	16.011	15.944	16.051	VV	7457	411608	1.80%	0.033%
268	16.108	16.051	16.161	VV	11620	516346	2.26%	0.042%
269	16.172	16.161	16.213	VV	5425	146702	0.64%	0.012%
270	16.225	16.213	16.237	VV	4845	63135	0.28%	0.005%
271	16.263	16.237	16.309	VV	6336	217570	0.95%	0.018%
272	16.337	16.309	16.359	VV	5888	144078	0.63%	0.012%
273	16.390	16.359	16.450	VV	9932	358019	1.56%	0.029%
274	16.467	16.450	16.484	VV	4852	86182	0.38%	0.007%
275	16.498	16.484	16.514	VV	4430	70459	0.31%	0.006%
276	16.540	16.514	16.551	VV	3938	83042	0.36%	0.007%
277	16.576	16.551	16.594	VV	4755	111045	0.49%	0.009%
278	16.621	16.594	16.664	VV	6643	194816	0.85%	0.016%
279	16.693	16.664	16.714	VV	2936	77144	0.34%	0.006%
280	16.751	16.714	16.774	VV	3244	100482	0.44%	0.008%
281	16.817	16.774	16.848	VV	5504	181823	0.79%	0.015%
282	16.897	16.848	16.934	VV	8218	252622	1.10%	0.020%
283	16.969	16.934	16.991	VV	4207	112106	0.49%	0.009%
284	17.011	16.991	17.033	VV	3897	74682	0.33%	0.006%
285	17.059	17.033	17.078	VV	3810	77561	0.34%	0.006%
286	17.097	17.078	17.134	VV	3309	79250	0.35%	0.006%
287	17.238	17.134	17.254	VV	3551	161856	0.71%	0.013%
288	17.280	17.254	17.320	VV	5261	166642	0.73%	0.014%
289	17.333	17.320	17.348	VV	2935	45614	0.20%	0.004%
290	17.359	17.348	17.374	VV	3462	48440	0.21%	0.004%
291	17.393	17.374	17.462	VV	3531	132390	0.58%	0.011%
292	17.493	17.462	17.503	VV	2383	39019	0.17%	0.003%
293	17.523	17.503	17.534	VV	3632	51208	0.22%	0.004%
294	17.542	17.534	17.551	VV	3327	30993	0.14%	0.003%
295	17.579	17.551	17.602	VV	5452	108437	0.47%	0.009%
296	17.617	17.602	17.629	VV	3030	40121	0.18%	0.003%
297	17.651	17.629	17.707	VV	3849	122819	0.54%	0.010%
298	17.747	17.707	17.765	VV	4353	118747	0.52%	0.010%
299	17.773	17.765	17.788	VV	4461	53184	0.23%	0.004%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/10/2025

rteres

300	17.813	17.788	17.853	VV	5738	143758	0.63%	0.012%
301	17.877	17.853	17.928	VV	3652	137228		
302	17.948	17.928	17.961	VV	3422	53933		
303	17.981	17.961	18.014	VV	6380	117578		
304	18.039	18.014	18.058	VV	3174	60253		
305	18.079	18.058	18.111	VV	5266	118945		
306	18.126	18.111	18.153	VV	4114	79934	0.35%	0.006%
307	18.171	18.153	18.192	VV	2803	51462	0.22%	0.004%
308	18.209	18.192	18.231	VV	3018	59847	0.26%	0.005%
309	18.242	18.231	18.258	VV	2503	33361	0.15%	0.003%
310	18.271	18.258	18.281	VV	2625	32483	0.14%	0.003%
311	18.341	18.281	18.381	VV	5643	195335	0.85%	0.016%
312	18.409	18.381	18.478	VV	5240	174680	0.76%	0.014%
313	18.493	18.478	18.509	VV	2221	34852	0.15%	0.003%
314	18.563	18.509	18.570	VV	2422	76442	0.33%	0.006%
315	18.597	18.570	18.664	VV	10886	281484	1.23%	0.023%
316	18.685	18.664	18.715	VV	3039	72470	0.32%	0.006%
317	18.794	18.715	18.814	VV	4081	157982	0.69%	0.013%
318	18.826	18.814	18.862	VV	3299	47909	0.21%	0.004%
319	18.925	18.862	18.937	PV	2326	51141	0.22%	0.004%
320	18.962	18.937	19.014	VV	12305	195168	0.85%	0.016%
321	19.022	19.014	19.048	VV	1278	20047	0.09%	0.002%
322	19.116	19.048	19.157	VV	2817	108093	0.47%	0.009%
323	19.238	19.157	19.274	VV	4451	168565	0.74%	0.014%
324	19.311	19.274	19.352	VV	2890	112114	0.49%	0.009%
325	19.381	19.352	19.403	VV	5970	112724	0.49%	0.009%
326	19.428	19.403	19.463	VV	6407	136805	0.60%	0.011%
327	19.529	19.463	19.541	VV	3813	147949	0.65%	0.012%
328	19.570	19.541	19.581	VV	4613	101471	0.44%	0.008%
329	19.631	19.581	19.687	VV	6943	314553	1.37%	0.026%
330	19.710	19.687	19.744	VV	5564	141824	0.62%	0.012%
331	19.777	19.744	19.800	VV	5176	133494	0.58%	0.011%
332	19.832	19.800	19.855	VV	5622	170447	0.74%	0.014%
333	19.893	19.855	19.944	VV	5507	268624	1.17%	0.022%
334	19.955	19.944	19.977	VV	5176	93823	0.41%	0.008%
335	20.019	19.977	20.067	VV	8161	361207	1.58%	0.029%
336	20.087	20.067	20.110	VV	7034	164442	0.72%	0.013%
337	20.126	20.110	20.136	VV	5717	86030	0.38%	0.007%
338	20.182	20.136	20.201	VV	6972	245993	1.07%	0.020%
339	20.329	20.201	20.344	VV	10601	732318	3.20%	0.059%
340	20.395	20.344	20.499	VV	11044	933990	4.08%	0.076%
341	20.595	20.499	20.605	VV	13062	699418	3.05%	0.057%
342	20.646	20.605	20.662	VV	14558	469386	2.05%	0.038%
343	20.671	20.662	20.686	VV	14197	195619	0.85%	0.016%
344	20.705	20.686	20.780	VV	14278	710034	3.10%	0.058%
345	20.871	20.780	20.994	VV	15958	1833928	8.01%	0.149%
346	21.139	20.994	21.154	VV	15905	1375579	6.01%	0.112%
347	21.161	21.154	21.170	VV	15871	149658	0.65%	0.012%
348	21.180	21.170	21.275	VV	15872	892194	3.90%	0.072%
349	21.300	21.275	21.329	VV	13247	428608	1.87%	0.035%
350	21.415	21.329	21.608	VV	15365	2316731	10.12%	0.188%
351	21.684	21.608	21.714	VV	11978	712767	3.11%	0.058%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

352	21.771	21.714	21.781	VV	12914	495817	2.17%	0.040%
353	21.792	21.781	21.802	VV	12707	153315		
354	21.808	21.802	21.819	VV	12716	132035		
355	21.827	21.819	21.964	VV	12106	919663		
356	22.035	21.964	22.051	VV	9922	499888		
357	22.060	22.051	22.095	VV	9449	240685		
358	22.102	22.095	22.114	VV	9153	105351	0.46%	0.009%
359	22.165	22.114	22.236	VV	10307	699017	3.05%	0.057%
360	22.246	22.236	22.351	VBA	8862	577530	2.52%	0.047%

Sum of corrected areas: 1232422474

Aliphatic EPH 020325.M Sat Feb 08 04:00:54 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-11	SDG No.:	Q1308
Lab Sample ID:	Q1308-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
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
FF015493.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	37.0	E	0.34	0.76	mg/kg
Aromatic C12-C16	Aromatic C12-C16	135	E	0.39	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	165	E	1.09	1.89	mg/kg
Aromatic C21-C36	Aromatic C21-C36	14.3		2.27	3.02	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	69.5		40 - 140	139%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	45.8		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.6		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:	Q1308-10	Acq On:	07 Feb 2025 14:56
Client Sample ID:	EX-11-TPH-11	Operator:	YP\AJ
Data file:	FF015493.D	Misc:	
Instrument:	FID_F	ALS Vial:	79
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	67620336	489.568	200	ug/ml
Aromatic C12-C16	6.375	9.068	241068117	1800	300	ug/ml
Aromatic C16-C21	9.069	13.385	269978074	2190	500	ug/ml
Aromatic C21-C36	13.386	18.838	22321182	189.522	800	ug/ml
Aromatic EPH	4.505	18.838	600987709	4670		ug/ml
2-Bromonaphthalene (SURR)	8.000	8.000	8266626	69.55		ug/ml
2-Flurobiphenyl (SURR)	8.876	8.876	3479433	45.82		ug/ml
ortho-Terphenyl (SURR)	11.938	11.938	6679792	50.65		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015493.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:56
Operator : YP\AJ
Sample : Q1308-10
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:35:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-11

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.000	8266626	69.553 ug/mlm
Spiked Amount 50.000		Recovery = 139.11%	
6) S 2-Flurobiphenyl (SURR)	8.876	3479433	45.817 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 91.63%	
11) S ortho-Terphenyl (SURR)	11.938	6679792	50.650 ug/ml
Spiked Amount 50.000		Recovery = 101.30%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015493.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:56
Operator : YP\AJ
Sample : Q1308-10
Misc :
ALS Vial : 79 Sample Multiplier: 1

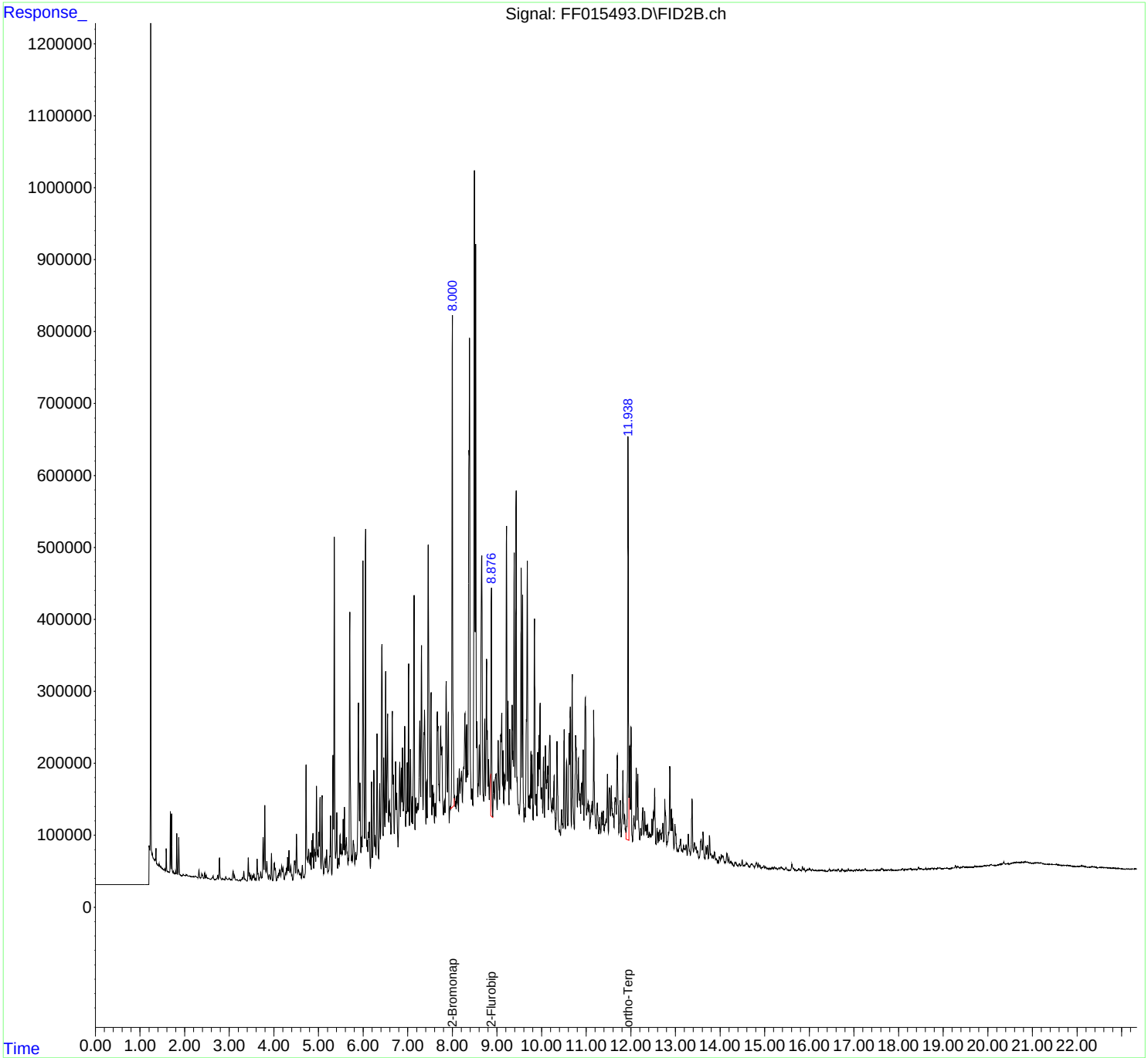
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11

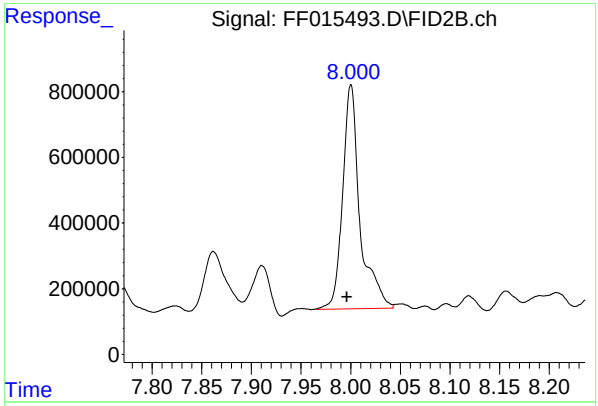
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:35:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





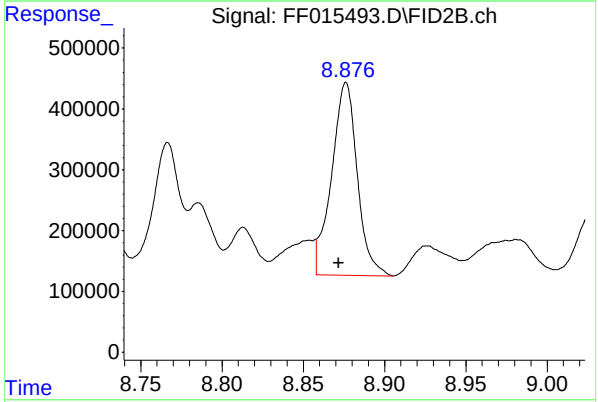
#4 2-Bromonaphthalene (SURR)

R.T.: 8.000 min
Delta R.T.: 0.003 min
Response: 8266626
Conc: 69.55 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11

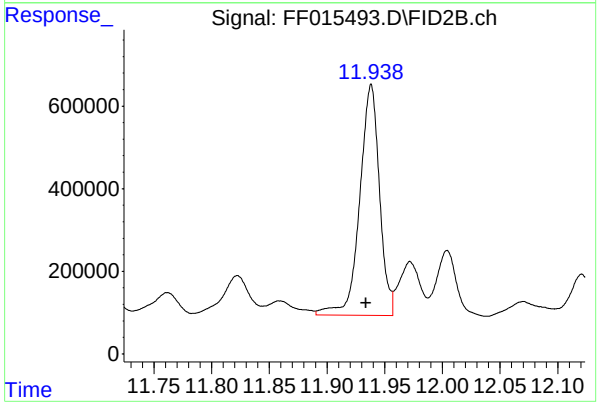
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.876 min
Delta R.T.: 0.004 min
Response: 3479433
Conc: 45.82 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.004 min
Response: 6679792
Conc: 50.65 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015493.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:56
Sample : Q1308-10
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.462	4.400	4.469	BV	21149	143422	0.87%	0.023%
2	4.475	4.469	4.490	VV	20143	182402	1.10%	0.029%
3	4.507	4.490	4.536	VV	59405	736998	4.45%	0.117%
4	4.551	4.536	4.578	VV	10389	194414	1.17%	0.031%
5	4.600	4.578	4.617	VV	6855	96166	0.58%	0.015%
6	4.638	4.617	4.664	PV	18275	234230	1.41%	0.037%
7	4.671	4.664	4.682	VV	2415	19965	0.12%	0.003%
8	4.722	4.682	4.742	VV	157460	1718410	10.38%	0.272%
9	4.749	4.742	4.763	VV	28333	332460	2.01%	0.053%
10	4.779	4.763	4.809	VV	40797	780962	4.72%	0.124%
11	4.823	4.809	4.837	VV	35917	425044	2.57%	0.067%
12	4.852	4.837	4.863	VV	52715	564698	3.41%	0.089%
13	4.876	4.863	4.893	VV	62562	692735	4.18%	0.110%
14	4.912	4.893	4.922	VV	40260	552261	3.34%	0.088%
15	4.928	4.922	4.939	VV	35993	325014	1.96%	0.052%
16	4.956	4.939	4.976	VV	128092	1524423	9.21%	0.242%
17	4.985	4.976	4.995	VV	39120	389802	2.35%	0.062%
18	5.009	4.995	5.019	VV	63956	727139	4.39%	0.115%
19	5.034	5.019	5.058	VV	112539	1393616	8.42%	0.221%
20	5.079	5.058	5.117	VV	114491	1528783	9.24%	0.242%
21	5.147	5.117	5.166	VV	26806	539652	3.26%	0.086%
22	5.183	5.166	5.209	VV	39779	600303	3.63%	0.095%
23	5.271	5.209	5.299	VV	86289	1465902	8.86%	0.232%
24	5.325	5.299	5.337	VV	170461	1770877	10.70%	0.281%
25	5.355	5.337	5.382	VV	472586	5232541	31.61%	0.829%
26	5.411	5.382	5.429	VV	90795	1310290	7.92%	0.208%
27	5.447	5.429	5.463	VV	27078	453116	2.74%	0.072%
28	5.484	5.463	5.498	VV	59976	903718	5.46%	0.143%
29	5.509	5.498	5.522	VV	47252	559899	3.38%	0.089%
30	5.529	5.522	5.535	VV	34811	270131	1.63%	0.043%
31	5.554	5.535	5.567	VV	81466	1079086	6.52%	0.171%
32	5.583	5.567	5.599	VV	98238	1222562	7.39%	0.194%
33	5.625	5.599	5.640	VV	55995	1096523	6.62%	0.174%
34	5.646	5.640	5.661	VV	34476	346917	2.10%	0.055%
35	5.673	5.661	5.680	VV	27480	275878	1.67%	0.044%
36	5.701	5.680	5.740	VV	367774	5074357	30.65%	0.804%

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37	5.751	5.740	5.761	VV	29831	340503	2.06%	0.054%
38	5.780	5.761	5.815	VV	52205	1217436		
39	5.835	5.815	5.848	VV	35228	559963		
40	5.895	5.848	5.919	VV	242726	4492735	27	
41	5.931	5.919	5.950	VV	131899	1589537		
42	5.966	5.950	5.977	VV	56618	769750		
43	5.997	5.977	6.033	VV	439451	6598292	39.86%	1.046%
44	6.055	6.033	6.086	VV	483812	5652844	34.15%	0.896%
45	6.095	6.086	6.106	VV	52006	543121	3.28%	0.086%
46	6.119	6.106	6.127	VV	63510	686830	4.15%	0.109%
47	6.139	6.127	6.164	VV	77107	1041541	6.29%	0.165%
48	6.189	6.164	6.207	VV	132878	1640158	9.91%	0.260%
49	6.242	6.207	6.261	VV	148932	2421361	14.63%	0.384%
50	6.271	6.261	6.287	VV	58619	747041	4.51%	0.118%
51	6.314	6.287	6.349	VV	199959	3132551	18.92%	0.496%
52	6.372	6.349	6.388	VV	130057	1747801	10.56%	0.277%
53	6.421	6.388	6.447	VV	323787	6030519	36.43%	0.956%
54	6.463	6.447	6.488	VV	166307	2674149	16.15%	0.424%
55	6.506	6.488	6.521	VV	286065	3399558	20.54%	0.539%
56	6.548	6.521	6.574	VV	226951	4459461	26.94%	0.707%
57	6.591	6.574	6.603	VV	106581	1609828	9.72%	0.255%
58	6.608	6.603	6.624	VV	87536	953658	5.76%	0.151%
59	6.654	6.624	6.671	VV	230771	3843985	23.22%	0.609%
60	6.678	6.671	6.698	VV	142103	1690471	10.21%	0.268%
61	6.730	6.698	6.743	VV	159816	2902156	17.53%	0.460%
62	6.753	6.743	6.785	VV	116891	2055437	12.42%	0.326%
63	6.822	6.785	6.839	VV	159849	3376459	20.40%	0.535%
64	6.859	6.839	6.871	VV	151907	2348848	14.19%	0.372%
65	6.884	6.871	6.902	VV	179655	2526871	15.26%	0.400%
66	6.935	6.902	6.954	VV	209632	4213386	25.45%	0.668%
67	6.965	6.954	6.971	VV	91215	889725	5.37%	0.141%
68	6.989	6.971	7.004	VV	158886	2351221	14.20%	0.373%
69	7.020	7.004	7.040	VV	295968	3715954	22.45%	0.589%
70	7.062	7.040	7.086	VV	177554	3317047	20.04%	0.526%
71	7.098	7.086	7.110	VV	111555	1336058	8.07%	0.212%
72	7.143	7.110	7.163	VV	390875	5933535	35.84%	0.940%
73	7.182	7.163	7.198	VV	109825	1984711	11.99%	0.314%
74	7.208	7.198	7.214	VV	97232	898976	5.43%	0.142%
75	7.227	7.214	7.240	VV	102313	1501779	9.07%	0.238%
76	7.271	7.240	7.290	VV	216534	4694082	28.36%	0.744%
77	7.309	7.290	7.345	VV	320506	6216417	37.55%	0.985%
78	7.378	7.345	7.408	VV	230757	6164031	37.24%	0.977%
79	7.423	7.408	7.436	VV	132957	1750912	10.58%	0.277%
80	7.459	7.436	7.502	VV	459797	9431959	56.98%	1.495%
81	7.522	7.502	7.542	VV	255789	4051816	24.48%	0.642%
82	7.559	7.542	7.573	VV	127561	1998356	12.07%	0.317%
83	7.583	7.573	7.599	VV	114558	1540269	9.30%	0.244%
84	7.615	7.599	7.629	VV	101943	1666894	10.07%	0.264%
85	7.663	7.629	7.672	VV	228355	3881729	23.45%	0.615%
86	7.677	7.672	7.711	VV	208799	3599075	21.74%	0.570%
87	7.738	7.711	7.755	VV	208343	4475976	27.04%	0.709%
88	7.766	7.755	7.802	VV	179620	3734728	22.56%	0.592%
89	7.823	7.802	7.837	VV	105121	2047266	12.37%	0.324%

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90	7.862	7.837	7.891	VV	270962	5624340	33.98%	0.891%
91	7.911	7.891	7.931	VV	228577	3734493	22	
92	7.951	7.931	7.961	VV	97103	1643978	9	
93	8.000	7.961	8.044	VV	779904	13060949	78	
94	8.051	8.044	8.065	VV	110860	1343283	8	
95	8.075	8.065	8.084	VV	104719	1173165	7	
96	8.096	8.084	8.105	VV	111760	1306568	7.89%	0.207%
97	8.119	8.105	8.138	VV	136172	2223088	13.43%	0.352%
98	8.157	8.138	8.174	VV	150103	2740518	16.56%	0.434%
99	8.191	8.174	8.195	VV	136482	1590908	9.61%	0.252%
100	8.207	8.195	8.226	VV	145845	2465948	14.90%	0.391%
101	8.255	8.226	8.261	VV	152475	2846635	17.20%	0.451%
102	8.281	8.261	8.307	VV	226205	4911769	29.67%	0.778%
103	8.321	8.307	8.335	VV	210653	2900387	17.52%	0.460%
104	8.344	8.335	8.349	VV	145125	1161239	7.01%	0.184%
105	8.386	8.349	8.428	VV	747890	16553681	100.00%	2.623%
106	8.440	8.428	8.459	VV	121136	2115862	12.78%	0.335%
107	8.496	8.459	8.511	VV	980712	14371627	86.82%	2.277%
108	8.525	8.511	8.542	VV	877330	9759357	58.96%	1.546%
109	8.552	8.542	8.572	VV	214804	3170428	19.15%	0.502%
110	8.604	8.572	8.623	VV	182329	4330646	26.16%	0.686%
111	8.658	8.623	8.706	VV	445619	11834221	71.49%	1.875%
112	8.726	8.706	8.745	VV	218625	3672202	22.18%	0.582%
113	8.767	8.745	8.779	VV	301563	4287130	25.90%	0.679%
114	8.785	8.779	8.801	VV	202259	2275254	13.74%	0.361%
115	8.813	8.801	8.829	VV	161878	2261526	13.66%	0.358%
116	8.876	8.829	8.906	VV	400841	8080024	48.81%	1.280%
117	8.926	8.906	8.948	VV	131375	2852106	17.23%	0.452%
118	8.981	8.948	9.005	VV	141187	4237902	25.60%	0.672%
119	9.028	9.005	9.059	VV	188287	4412554	26.66%	0.699%
120	9.088	9.059	9.096	VV	197426	3605039	21.78%	0.571%
121	9.107	9.096	9.124	VV	226026	3190211	19.27%	0.506%
122	9.136	9.124	9.152	VV	174358	2374823	14.35%	0.376%
123	9.166	9.152	9.180	VV	141298	2115830	12.78%	0.335%
124	9.215	9.180	9.235	VV	485025	8179920	49.41%	1.296%
125	9.249	9.235	9.270	VV	243170	3666532	22.15%	0.581%
126	9.289	9.270	9.307	VV	203289	3438845	20.77%	0.545%
127	9.340	9.307	9.354	VV	237139	4808045	29.05%	0.762%
128	9.360	9.354	9.369	VV	173324	1470832	8.89%	0.233%
129	9.387	9.369	9.404	VV	448818	5921140	35.77%	0.938%
130	9.430	9.404	9.449	VV	535882	7577819	45.78%	1.201%
131	9.454	9.449	9.499	VV	136644	3163023	19.11%	0.501%
132	9.545	9.499	9.561	VV	426917	7230798	43.68%	1.146%
133	9.576	9.561	9.609	VV	390924	5461732	32.99%	0.865%
134	9.623	9.609	9.637	VV	93705	1428834	8.63%	0.226%
135	9.681	9.637	9.708	VV	438461	9130597	55.16%	1.447%
136	9.723	9.708	9.739	VV	110574	1896804	11.46%	0.301%
137	9.762	9.739	9.775	VV	172514	2741864	16.56%	0.434%
138	9.787	9.775	9.811	VV	167515	2659627	16.07%	0.421%
139	9.842	9.811	9.870	VV	356388	6314347	38.14%	1.001%
140	9.882	9.870	9.896	VV	111874	1538101	9.29%	0.244%
141	9.914	9.896	9.927	VV	171204	2538569	15.34%	0.402%

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142	9.942	9.927	9.953	VV	194683	2532892	15.30%	0.401%
143	9.967	9.953	9.990	VV	239081	3772910	22	
144	10.005	9.990	10.026	VV	121157	2338150	14	
145	10.043	10.026	10.065	VV	163523	2780810	16	
146	10.088	10.065	10.108	VV	180131	3628811	21	
147	10.120	10.108	10.125	VV	132490	1283100	7	
148	10.137	10.125	10.153	VV	152062	2187997	13.22%	0.347%
149	10.185	10.153	10.228	VV	194495	5997857	36.23%	0.950%
150	10.247	10.228	10.260	VV	106999	1888583	11.41%	0.299%
151	10.282	10.260	10.315	VV	138587	3359721	20.30%	0.532%
152	10.347	10.315	10.396	VV	185640	5031229	30.39%	0.797%
153	10.404	10.396	10.423	VV	62362	973206	5.88%	0.154%
154	10.449	10.423	10.465	VV	90448	1818383	10.98%	0.288%
155	10.470	10.465	10.481	VV	70984	667425	4.03%	0.106%
156	10.506	10.481	10.532	VV	202705	3491951	21.09%	0.553%
157	10.560	10.532	10.585	VV	158639	3363138	20.32%	0.533%
158	10.616	10.585	10.628	VV	197316	3434419	20.75%	0.544%
159	10.643	10.628	10.667	VV	233557	3731790	22.54%	0.591%
160	10.688	10.667	10.733	VV	277751	5217409	31.52%	0.827%
161	10.762	10.733	10.803	VV	191906	5794035	35.00%	0.918%
162	10.826	10.803	10.849	VV	162143	3473350	20.98%	0.550%
163	10.860	10.849	10.874	VV	112602	1530354	9.24%	0.242%
164	10.898	10.874	10.914	VV	127530	2634282	15.91%	0.417%
165	10.932	10.914	10.950	VV	173702	2773498	16.75%	0.439%
166	10.980	10.950	11.008	VV	246083	5547164	33.51%	0.879%
167	11.042	11.008	11.057	VV	101974	2715953	16.41%	0.430%
168	11.067	11.057	11.084	VV	96672	1366229	8.25%	0.216%
169	11.129	11.084	11.145	VV	101844	3153071	19.05%	0.500%
170	11.168	11.145	11.225	VV	228270	5387576	32.55%	0.854%
171	11.247	11.225	11.283	VV	99765	2760083	16.67%	0.437%
172	11.303	11.283	11.324	VV	79831	1672057	10.10%	0.265%
173	11.348	11.324	11.365	VV	86165	1820782	11.00%	0.289%
174	11.382	11.365	11.402	VV	88453	1673052	10.11%	0.265%
175	11.444	11.402	11.452	VV	76270	2073093	12.52%	0.328%
176	11.476	11.452	11.498	VV	139127	2811305	16.98%	0.445%
177	11.527	11.498	11.545	VV	119575	2846697	17.20%	0.451%
178	11.563	11.545	11.590	VV	123209	2632674	15.90%	0.417%
179	11.595	11.590	11.624	VV	84367	1607949	9.71%	0.255%
180	11.648	11.624	11.674	VV	107004	2878904	17.39%	0.456%
181	11.695	11.674	11.732	VV	164703	3917278	23.66%	0.621%
182	11.762	11.732	11.784	VV	102571	2380925	14.38%	0.377%
183	11.822	11.784	11.845	VV	143676	3292607	19.89%	0.522%
184	11.859	11.845	11.890	VV	82460	1893841	11.44%	0.300%
185	11.938	11.890	11.957	VV	608333	8632554	52.15%	1.368%
186	11.972	11.957	11.988	VV	178022	2487131	15.02%	0.394%
187	12.004	11.988	12.038	VV	204530	3278689	19.81%	0.520%
188	12.070	12.038	12.097	VV	80899	2304415	13.92%	0.365%
189	12.121	12.097	12.137	VV	147120	2430022	14.68%	0.385%
190	12.154	12.137	12.199	VV	138958	3169742	19.15%	0.502%
191	12.221	12.199	12.238	VV	63357	1327402	8.02%	0.210%
192	12.267	12.238	12.290	VV	91961	2222922	13.43%	0.352%
193	12.309	12.290	12.325	VV	86558	1503073	9.08%	0.238%
194	12.337	12.325	12.357	VV	67409	1190150	7.19%	0.189%

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195	12.373	12.357	12.391	VV	68764	1207367	7.29%	0.191%
196	12.410	12.391	12.429	VV	58154	1222499	7	
197	12.440	12.429	12.454	VV	54362	810202	4	
198	12.473	12.454	12.487	VV	76214	1265256	7	
199	12.507	12.487	12.517	VV	85930	1312292	7	
200	12.532	12.517	12.560	VV	118980	2049534	12	
201	12.587	12.560	12.605	VV	63686	1403599	8.48%	0.222%
202	12.621	12.605	12.635	VV	57875	896651	5.42%	0.142%
203	12.651	12.635	12.682	VV	60778	1542061	9.32%	0.244%
204	12.716	12.682	12.740	VV	70528	1951428	11.79%	0.309%
205	12.763	12.740	12.804	VV	103368	2686097	16.23%	0.426%
206	12.842	12.804	12.850	VV	58134	1344549	8.12%	0.213%
207	12.873	12.850	12.892	VV	148296	2468588	14.91%	0.391%
208	12.909	12.892	12.924	VV	88939	1405966	8.49%	0.223%
209	12.937	12.924	12.966	VV	76140	1403118	8.48%	0.222%
210	12.988	12.966	13.032	VV	68859	1958683	11.83%	0.310%
211	13.046	13.032	13.056	VV	32776	460188	2.78%	0.073%
212	13.113	13.056	13.136	VV	47891	1773729	10.72%	0.281%
213	13.144	13.136	13.162	VV	33141	494993	2.99%	0.078%
214	13.180	13.162	13.197	VV	38713	739048	4.46%	0.117%
215	13.206	13.197	13.217	VV	34368	399100	2.41%	0.063%
216	13.238	13.217	13.263	VV	38429	930403	5.62%	0.147%
217	13.286	13.263	13.333	VV	54970	1538414	9.29%	0.244%
218	13.371	13.333	13.404	VV	103326	2210891	13.36%	0.350%
219	13.424	13.404	13.449	VV	42675	1016320	6.14%	0.161%
220	13.462	13.449	13.483	VV	36425	670072	4.05%	0.106%
221	13.495	13.483	13.525	VV	31165	671075	4.05%	0.106%
222	13.573	13.525	13.599	VV	46954	1531477	9.25%	0.243%
223	13.618	13.599	13.661	VV	57111	1301992	7.87%	0.206%
224	13.682	13.661	13.697	VV	36564	599963	3.62%	0.095%
225	13.714	13.697	13.739	VV	38766	769435	4.65%	0.122%
226	13.763	13.739	13.783	VV	52167	933665	5.64%	0.148%
227	13.792	13.783	13.816	VV	26976	482029	2.91%	0.076%
228	13.838	13.816	13.853	VV	24424	500478	3.02%	0.079%
229	13.874	13.853	13.898	VV	29173	658223	3.98%	0.104%
230	13.915	13.898	13.936	VV	19844	416303	2.51%	0.066%
231	13.946	13.936	13.962	VV	16726	240206	1.45%	0.038%
232	13.987	13.962	14.008	VV	22476	524760	3.17%	0.083%
233	14.026	14.008	14.042	VV	25389	460495	2.78%	0.073%
234	14.062	14.042	14.120	VV	24004	881304	5.32%	0.140%
235	14.153	14.120	14.181	VV	27410	729105	4.40%	0.116%
236	14.196	14.181	14.215	VV	21049	358801	2.17%	0.057%
237	14.238	14.215	14.275	VV	15162	509414	3.08%	0.081%
238	14.280	14.275	14.306	VV	12464	201971	1.22%	0.032%
239	14.332	14.306	14.339	VV	14848	240992	1.46%	0.038%
240	14.348	14.339	14.402	VV	14384	451746	2.73%	0.072%
241	14.433	14.402	14.453	VV	12775	342427	2.07%	0.054%
242	14.494	14.453	14.518	VV	17883	481528	2.91%	0.076%
243	14.532	14.518	14.538	VV	9967	116133	0.70%	0.018%
244	14.543	14.538	14.548	VV	10137	59783	0.36%	0.009%
245	14.590	14.548	14.602	VV	13755	374889	2.26%	0.059%
246	14.607	14.602	14.642	VV	12505	258379	1.56%	0.041%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

247	14.646	14.642	14.665	VV	9008	110655	0.67%	0.018%
248	14.713	14.665	14.770	VV	12114	633182		
249	14.817	14.770	14.838	VV	13730	436253		
250	14.855	14.838	14.874	VV	12329	208546		
251	14.893	14.874	14.919	VV	10192	227978		
252	14.946	14.919	14.958	VV	6998	150878		
253	14.978	14.958	15.002	VV	9381	209646	1.27%	0.033%
254	15.018	15.002	15.042	VV	8023	163059	0.99%	0.026%
255	15.053	15.042	15.087	VV	5716	138934	0.84%	0.022%
256	15.114	15.087	15.126	VV	5466	118776	0.72%	0.019%
257	15.131	15.126	15.144	VV	5205	53787	0.32%	0.009%
258	15.175	15.144	15.197	VV	6538	177445	1.07%	0.028%
259	15.216	15.197	15.239	VV	7263	155563	0.94%	0.025%
260	15.256	15.239	15.280	VV	6102	128058	0.77%	0.020%
261	15.285	15.280	15.292	VV	4365	30017	0.18%	0.005%
262	15.321	15.292	15.336	VV	6558	142839	0.86%	0.023%
263	15.368	15.336	15.440	VV	6942	338403	2.04%	0.054%
264	15.476	15.440	15.510	VV	6806	195351	1.18%	0.031%
265	15.523	15.510	15.545	VV	3104	55683	0.34%	0.009%
266	15.555	15.545	15.569	VV	2730	38380	0.23%	0.006%
267	15.608	15.569	15.672	VV	10899	330555	2.00%	0.052%
268	15.681	15.672	15.704	VV	3954	56406	0.34%	0.009%
269	15.766	15.704	15.785	VV	4890	142154	0.86%	0.023%
270	15.799	15.785	15.822	VV	3056	54709	0.33%	0.009%
271	15.846	15.822	15.867	VV	7412	118779	0.72%	0.019%
272	15.883	15.867	15.912	VV	4444	83711	0.51%	0.013%
273	15.929	15.912	15.939	VV	1919	27560	0.17%	0.004%
274	15.959	15.939	15.975	VV	3169	55813	0.34%	0.009%
275	16.009	15.975	16.035	VV	4383	118899	0.72%	0.019%
276	16.056	16.035	16.060	VV	2466	33884	0.20%	0.005%
277	16.073	16.060	16.097	VV	3023	51041	0.31%	0.008%
278	16.109	16.097	16.120	VV	2099	24241	0.15%	0.004%
279	16.139	16.120	16.161	VV	2433	47142	0.28%	0.007%
280	16.172	16.161	16.186	VV	1906	25497	0.15%	0.004%
281	16.206	16.186	16.239	VV	2501	58543	0.35%	0.009%
282	16.249	16.239	16.261	VV	2167	25245	0.15%	0.004%
283	16.273	16.261	16.329	VV	2375	67309	0.41%	0.011%
284	16.350	16.329	16.369	VV	1744	26461	0.16%	0.004%
285	16.378	16.369	16.397	VV	762	6598	0.04%	0.001%
286	16.449	16.397	16.472	PV	3239	68920	0.42%	0.011%
287	16.485	16.472	16.510	VV	1709	28096	0.17%	0.004%
288	16.551	16.510	16.575	VV	2607	66504	0.40%	0.011%
289	16.594	16.575	16.606	VV	1459	22126	0.13%	0.004%
290	16.648	16.606	16.677	VV	3236	78004	0.47%	0.012%
291	16.700	16.677	16.706	PV	1004	9835	0.06%	0.002%
292	16.736	16.706	16.755	VV	3523	59165	0.36%	0.009%
293	16.763	16.755	16.799	VV	965	18249	0.11%	0.003%
294	16.829	16.799	16.844	VV	1119	17929	0.11%	0.003%
295	16.870	16.844	16.897	VV	2663	49545	0.30%	0.008%
296	16.922	16.897	16.935	VV	1320	24477	0.15%	0.004%
297	16.941	16.935	16.944	VV	1088	5077	0.03%	0.001%
298	16.953	16.944	16.983	VV	1226	20124	0.12%	0.003%
299	17.023	16.983	17.040	VV	1826	34622	0.21%	0.005%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
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rteres

300	17.058	17.040	17.085	VV	2666	43931	0.27%	0.007%
301	17.092	17.085	17.102	VV	1160	9383		
302	17.120	17.102	17.144	VV	1713	29485		
303	17.170	17.144	17.180	VV	1349	19800		
304	17.204	17.180	17.214	VV	1797	27347		
305	17.220	17.214	17.229	VV	1541	11751		
306	17.251	17.229	17.279	VV	3388	57551	0.35%	0.009%
307	17.293	17.279	17.314	VV	692	9666	0.06%	0.002%
308	17.326	17.314	17.331	VV	711	5582	0.03%	0.001%
309	17.337	17.331	17.362	VV	728	11412	0.07%	0.002%
310	17.366	17.362	17.383	VV	732	5895	0.04%	0.001%
311	17.444	17.383	17.466	VV	1744	43218	0.26%	0.007%
312	17.473	17.466	17.496	VV	1125	14541	0.09%	0.002%
313	17.514	17.496	17.539	VV	1484	24480	0.15%	0.004%
314	17.561	17.539	17.569	VV	815	12905	0.08%	0.002%
315	17.579	17.569	17.584	VV	905	5974	0.04%	0.001%
316	17.618	17.584	17.629	VV	2766	46397	0.28%	0.007%
317	17.645	17.629	17.689	VV	2187	43737	0.26%	0.007%
318	17.698	17.689	17.715	VV	826	9250	0.06%	0.001%
319	17.722	17.715	17.738	VV	755	10054	0.06%	0.002%
320	17.746	17.738	17.754	VV	867	7505	0.05%	0.001%
321	17.775	17.754	17.799	VV	1459	27366	0.17%	0.004%
322	17.831	17.799	17.855	VV	1572	28462	0.17%	0.005%
323	17.864	17.855	17.868	VV	463	1588	0.01%	0.000%
324	17.882	17.868	17.894	VV	657	6463	0.04%	0.001%
325	17.904	17.894	17.915	PV	200	1190	0.01%	0.000%
326	17.928	17.915	17.946	VV	371	4035	0.02%	0.001%
327	17.958	17.946	17.963	VV	352	2651	0.02%	0.000%
328	18.001	17.963	18.020	VV	802	14586	0.09%	0.002%
329	18.030	18.020	18.043	VV	729	6903	0.04%	0.001%
330	18.063	18.043	18.068	VV	1143	10027	0.06%	0.002%
331	18.091	18.068	18.120	VV	2474	43413	0.26%	0.007%
332	18.146	18.120	18.158	VV	1128	17278	0.10%	0.003%
333	18.167	18.158	18.193	VV	1234	19958	0.12%	0.003%
334	18.239	18.193	18.253	VV	1923	43052	0.26%	0.007%
335	18.276	18.253	18.299	VV	1929	34217	0.21%	0.005%
336	18.318	18.299	18.325	VV	674	7526	0.05%	0.001%
337	18.337	18.325	18.353	VV	1099	14372	0.09%	0.002%
338	18.384	18.353	18.403	VV	1244	22627	0.14%	0.004%
339	18.449	18.403	18.482	PV	3669	74443	0.45%	0.012%
340	18.502	18.482	18.507	VV	1635	21811	0.13%	0.003%
341	18.514	18.507	18.535	VV	1634	18519	0.11%	0.003%
342	18.540	18.535	18.552	VV	575	3745	0.02%	0.001%
343	18.559	18.552	18.564	VV	435	2199	0.01%	0.000%
344	18.570	18.564	18.581	VV	421	2728	0.02%	0.000%
345	18.611	18.581	18.625	VV	1915	26237	0.16%	0.004%
346	18.630	18.625	18.637	VV	645	3498	0.02%	0.001%
347	18.668	18.637	18.676	VV	662	10896	0.07%	0.002%
348	18.684	18.676	18.693	VV	735	4892	0.03%	0.001%
349	18.699	18.693	18.712	VV	676	4855	0.03%	0.001%
350	18.719	18.712	18.724	VV	353	1822	0.01%	0.000%
351	18.750	18.724	18.790	PV	1785	36341	0.22%	0.006%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11

rteres
Sum of corrected areas: 631087052

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Aromatic EPH 020525.M Mon Feb 10 06:42:59 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-11DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-10DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
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
FE052313.D	50	02/06/25	02/10/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	274		21.5	56.7	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	552		13.6	37.8	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	185		17.0	56.7	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	17.9	J	45.3	75.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	101	U	101	113	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-10DL	Acq On:	10 Feb 2025 11:30
Client Sample ID:	EX-11-TPH-11DL	Operator:	YP\AJ
Data file:	FE052313.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	6997396	72.75	300	ug/ml
Aliphatic C12-C16	7.241	10.644	15311215	146.219	200	ug/ml
Aliphatic C16-C21	10.645	13.990	5562079	49.212	300	ug/ml
Aliphatic C21-C28	13.991	17.632	539026	4.728	400	ug/ml
Aliphatic C28-C40	17.633	22.724	496136	5.419	600	ug/ml
Aliphatic EPH	3.682	22.724	28905852	278.329		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	3.682	17.632	28409716	272.909	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052313.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 11:30
Operator : YP\AJ
Sample : Q1308-10DL 50X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11DL

Integration File: autoint1.e
Quant Time: Feb 11 03:57:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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.

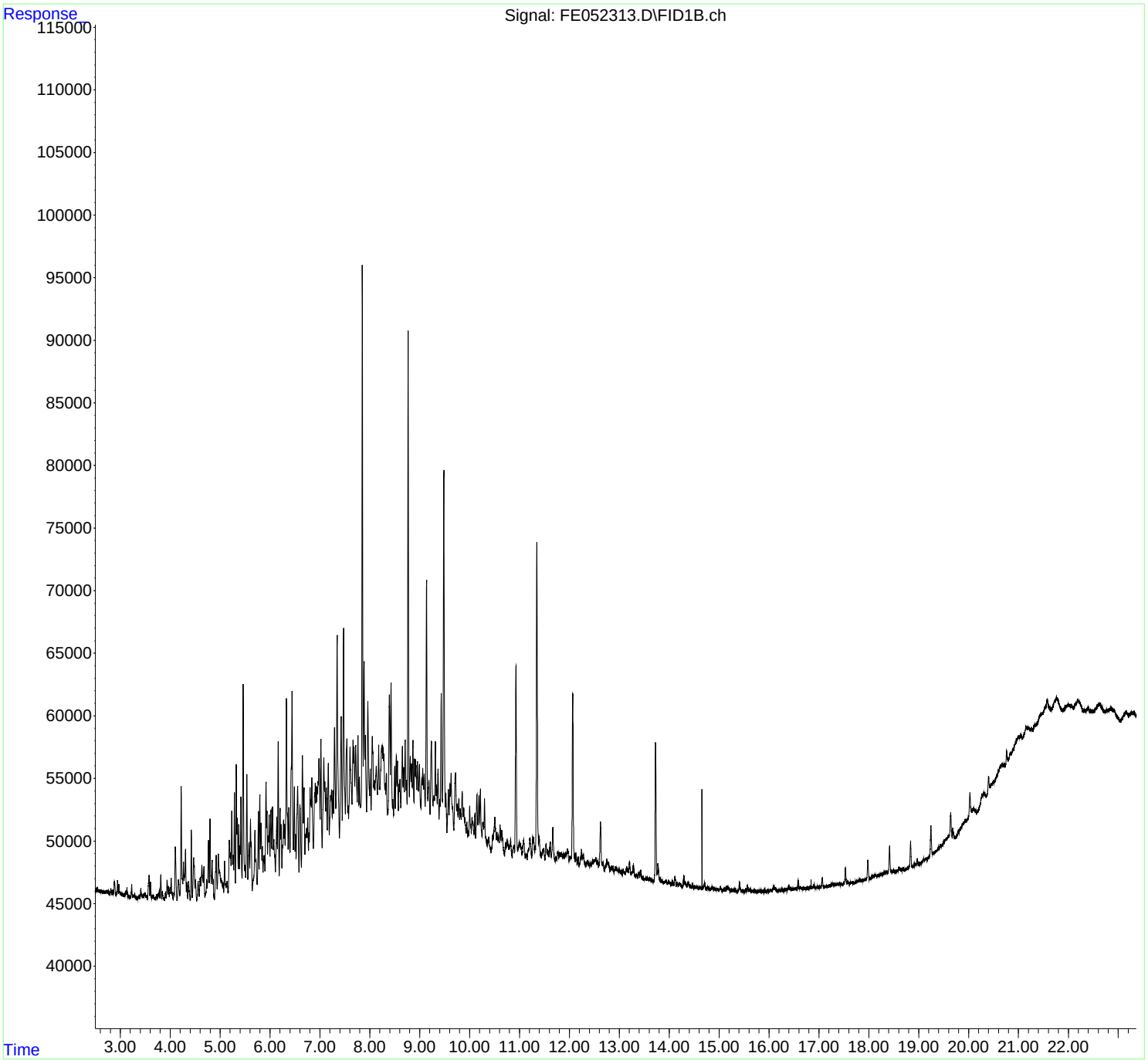
Quantitation Report (QT Reviewed)

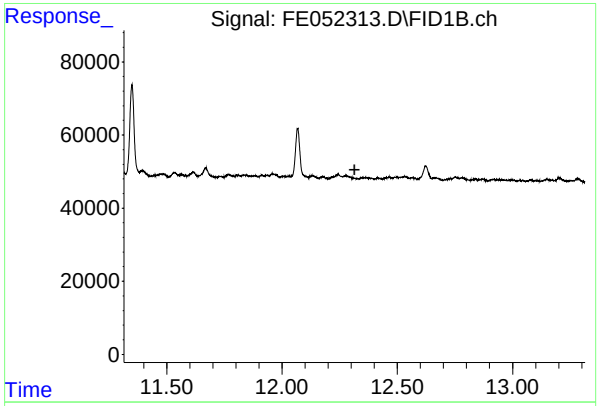
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052313.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 11:30
Operator : YP\AJ
Sample : Q1308-10DL 50X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11DL

Integration File: autoint1.e
Quant Time: Feb 11 03:57:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

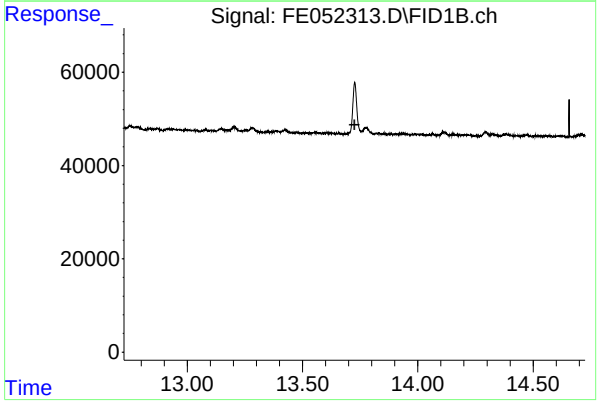




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-11DL



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.726 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052313.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 11:30
Sample : Q1308-10DL 50X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.906	3.888	3.918	PV	597	6356	0.87%	0.022%
2	3.939	3.918	3.955	VV	1578	19681	2.71%	0.068%
3	3.966	3.955	3.981	VV	1063	11398	1.57%	0.039%
4	3.995	3.981	4.004	VV	928	9175	1.26%	0.032%
5	4.020	4.004	4.061	VV	1697	25272	3.47%	0.087%
6	4.103	4.061	4.136	VV	4198	66837	9.19%	0.231%
7	4.165	4.136	4.189	VV	1585	27589	3.79%	0.095%
8	4.221	4.189	4.251	VV	9037	112946	15.53%	0.391%
9	4.267	4.251	4.280	VV	3029	36076	4.96%	0.125%
10	4.306	4.280	4.324	VV	4065	59762	8.22%	0.207%
11	4.334	4.324	4.351	VV	1411	14217	1.95%	0.049%
12	4.368	4.351	4.401	VV	1436	21221	2.92%	0.073%
13	4.424	4.401	4.444	VV	5483	52917	7.27%	0.183%
14	4.470	4.444	4.497	VV	3303	63696	8.76%	0.220%
15	4.507	4.497	4.532	VV	1645	18017	2.48%	0.062%
16	4.560	4.532	4.581	PV	1510	21471	2.95%	0.074%
17	4.601	4.581	4.615	VV	1726	24571	3.38%	0.085%
18	4.635	4.615	4.660	VV	2793	53694	7.38%	0.186%
19	4.675	4.660	4.697	VV	2628	33586	4.62%	0.116%
20	4.731	4.697	4.741	VV	1522	22369	3.08%	0.077%
21	4.767	4.741	4.781	VV	4774	64350	8.85%	0.223%
22	4.798	4.781	4.824	VV	6458	86048	11.83%	0.298%
23	4.840	4.824	4.886	VV	3195	54522	7.50%	0.189%
24	4.921	4.886	4.941	VV	3552	59935	8.24%	0.207%
25	4.966	4.941	5.051	VV	3623	129087	17.75%	0.447%
26	5.061	5.051	5.074	VV	1315	14391	1.98%	0.050%
27	5.091	5.074	5.120	VV	3057	45916	6.31%	0.159%
28	5.139	5.120	5.160	VV	1459	26653	3.66%	0.092%
29	5.185	5.160	5.219	VV	4736	110181	15.15%	0.381%
30	5.234	5.219	5.251	VV	7106	90644	12.46%	0.314%
31	5.262	5.251	5.272	VV	3473	39197	5.39%	0.136%
32	5.288	5.272	5.306	VV	8553	95064	13.07%	0.329%
33	5.325	5.306	5.362	VV	10734	190597	26.20%	0.659%
34	5.376	5.362	5.389	VV	6030	65305	8.98%	0.226%
35	5.418	5.389	5.438	VV	8173	132286	18.19%	0.458%
36	5.463	5.438	5.512	VV	17169	258758	35.57%	0.895%

37	5.537	5.512	5.557	VV	10020	134262	18.46%	0.464%
38	5.579	5.557	5.594	VV	4520	71706	9.86%	0.248%
39	5.610	5.594	5.646	VV	6299	117872	16.20%	0.408%
40	5.796	5.781	5.810	VV	8260	100817	13.86%	0.349%
41	5.822	5.810	5.838	VV	6079	81554	11.21%	0.282%
42	5.847	5.838	5.861	VV	4226	46178	6.35%	0.160%
43	5.885	5.861	5.898	VV	3454	66610	9.16%	0.230%
44	5.984	5.971	6.000	VV	6745	91713	12.61%	0.317%
45	6.018	6.000	6.033	VV	7083	109081	15.00%	0.377%
46	6.051	6.033	6.069	VV	7363	122278	16.81%	0.423%
47	6.078	6.069	6.109	VV	4707	87157	11.98%	0.302%
48	6.136	6.109	6.148	VV	6508	106922	14.70%	0.370%
49	6.203	6.186	6.215	VV	7091	85847	11.80%	0.297%
50	6.223	6.215	6.240	VV	6007	69043	9.49%	0.239%
51	6.272	6.240	6.283	VV	6307	118940	16.35%	0.411%
52	6.292	6.283	6.304	VV	5892	67484	9.28%	0.233%
53	6.379	6.364	6.400	VV	7292	116034	15.95%	0.401%
54	6.443	6.400	6.470	VV	16470	362226	49.80%	1.253%
55	6.601	6.581	6.628	VV	7448	142585	19.60%	0.493%
56	6.651	6.628	6.671	VV	11405	190976	26.25%	0.661%
57	6.683	6.671	6.701	VV	8796	115353	15.86%	0.399%
58	6.733	6.701	6.743	VV	5548	126555	17.40%	0.438%
59	6.757	6.743	6.772	VV	6450	92195	12.67%	0.319%
60	6.783	6.772	6.791	VV	5145	54649	7.51%	0.189%
61	6.805	6.791	6.816	VV	8865	107750	14.81%	0.373%
62	6.840	6.816	6.869	VV	9525	229201	31.51%	0.793%
63	6.908	6.869	6.919	VV	9188	214622	29.50%	0.742%
64	6.929	6.919	6.938	VV	8909	93303	12.83%	0.323%
65	6.981	6.938	7.004	VV	11041	366584	50.39%	1.268%
66	7.021	7.004	7.045	VV	12730	206335	28.36%	0.714%
67	7.080	7.045	7.115	VV	11180	341578	46.96%	1.182%
68	7.129	7.115	7.147	VV	8727	144186	19.82%	0.499%
69	7.169	7.147	7.189	VV	10718	200095	27.51%	0.692%
70	7.232	7.189	7.246	VV	8595	251920	34.63%	0.872%
71	7.261	7.246	7.274	VV	8547	125988	17.32%	0.436%
72	7.294	7.274	7.320	VV	13569	271093	37.27%	0.938%
73	7.346	7.320	7.393	VV	20859	476298	65.48%	1.648%
74	7.426	7.393	7.449	VV	14450	321126	44.15%	1.111%
75	7.475	7.449	7.511	VV	21511	435981	59.93%	1.508%
76	7.540	7.511	7.576	VV	12773	359396	49.41%	1.243%
77	7.605	7.576	7.643	VV	12008	368248	50.62%	1.274%
78	7.665	7.643	7.676	VV	12609	205103	28.20%	0.710%
79	7.684	7.676	7.699	VV	12054	153219	21.06%	0.530%
80	7.719	7.699	7.748	VV	12161	294685	40.51%	1.019%
81	7.764	7.748	7.780	VV	12898	191726	26.36%	0.663%
82	7.793	7.780	7.820	VV	9583	195661	26.90%	0.677%
83	7.851	7.820	7.869	VV	50360	624730	85.88%	2.161%
84	7.886	7.869	7.937	VV	18843	501585	68.95%	1.735%
85	7.962	7.937	7.996	VV	15610	381875	52.50%	1.321%
86	8.010	7.996	8.027	VV	10207	165557	22.76%	0.573%
87	8.051	8.027	8.105	VV	12885	461822	63.49%	1.598%
88	8.130	8.105	8.154	VV	10480	279601	38.44%	0.967%
89	8.180	8.154	8.205	VV	12117	293727	40.38%	1.016%

90	8.246	8.205	8.320	VV	12156	727430	100.00%	2.517%
91	8.333	8.320	8.353	VV	9820	167365	23.01%	0.579%
92	8.394	8.353	8.413	VV	16053	389226	53.51%	1.347%
93	8.427	8.413	8.477	VV	17105	390513	53.68%	1.351%
94	8.532	8.513	8.545	VV	11343	185186	25.46%	0.641%
95	8.555	8.545	8.572	VV	10877	146148	20.09%	0.506%
96	8.654	8.621	8.669	VV	12010	273143	37.55%	0.945%
97	8.681	8.669	8.693	VV	10339	137245	18.87%	0.475%
98	8.710	8.693	8.747	VV	12463	316786	43.55%	1.096%
99	8.839	8.828	8.850	VV	10628	128025	17.60%	0.443%
100	8.865	8.850	8.885	VV	12494	214339	29.47%	0.742%
101	8.923	8.911	8.942	VV	10376	180031	24.75%	0.623%
102	8.995	8.976	9.022	VV	10607	247650	34.04%	0.857%
103	9.063	9.022	9.078	VV	10090	303142	41.67%	1.049%
104	9.091	9.078	9.110	VV	9780	168494	23.16%	0.583%
105	9.186	9.164	9.209	VV	9221	224684	30.89%	0.777%
106	9.236	9.209	9.266	VV	12395	324459	44.60%	1.122%
107	9.286	9.266	9.297	VV	8019	145266	19.97%	0.503%
108	9.433	9.390	9.453	VV	16169	365162	50.20%	1.263%
109	9.484	9.453	9.515	VV	33832	600814	82.59%	2.079%
110	9.526	9.515	9.548	VV	8286	137436	18.89%	0.475%
111	9.608	9.591	9.618	VV	8906	129010	17.74%	0.446%
112	9.631	9.618	9.684	VV	9862	297853	40.95%	1.030%
113	9.718	9.684	9.743	VV	9864	281946	38.76%	0.975%
114	9.754	9.743	9.768	VV	7287	104034	14.30%	0.360%
115	9.811	9.800	9.836	VV	6870	139078	19.12%	0.481%
116	9.853	9.836	9.872	VV	8389	160731	22.10%	0.556%
117	9.947	9.932	9.962	VV	5918	96582	13.28%	0.334%
118	9.973	9.962	9.981	VV	5146	58449	8.04%	0.202%
119	10.003	9.981	10.035	VV	7140	190424	26.18%	0.659%
120	10.050	10.035	10.087	VV	6239	174528	23.99%	0.604%
121	10.106	10.087	10.123	VV	6570	123522	16.98%	0.427%
122	10.147	10.123	10.168	VV	8055	175950	24.19%	0.609%
123	10.189	10.168	10.203	VV	8011	140457	19.31%	0.486%
124	10.218	10.203	10.247	VV	8503	171889	23.63%	0.595%
125	10.266	10.247	10.288	VV	5872	134465	18.48%	0.465%
126	10.301	10.288	10.350	VV	7740	199114	27.37%	0.689%
127	10.366	10.350	10.374	VV	4449	61629	8.47%	0.213%
128	10.386	10.374	10.432	VV	4678	141534	19.46%	0.490%
129	10.462	10.432	10.474	VV	4843	107549	14.78%	0.372%
130	10.506	10.474	10.536	VV	6181	197816	27.19%	0.684%
131	10.547	10.536	10.565	VV	5000	79672	10.95%	0.276%
132	10.577	10.565	10.594	VV	4819	80340	11.04%	0.278%
133	10.644	10.628	10.700	VV	5190	184678	25.39%	0.639%
134	10.719	10.700	10.733	VV	4244	75204	10.34%	0.260%
135	10.751	10.733	10.791	VV	4386	142155	19.54%	0.492%
136	10.822	10.791	10.852	VV	4441	140655	19.34%	0.487%
137	10.887	10.852	10.901	VV	4006	106374	14.62%	0.368%
138	10.930	10.901	10.962	VV	18518	325673	44.77%	1.127%
139	11.018	11.009	11.051	VV	4060	95663	13.15%	0.331%
140	11.082	11.051	11.116	VV	4375	146123	20.09%	0.506%
141	11.131	11.116	11.154	VV	3286	72653	9.99%	0.251%

142	11.211	11.154	11.244	VV	4520	202943	27.90%	0.702%
143	11.266	11.244	11.275	VV	4659	73413	10.09%	0.254%
144	11.284	11.275	11.302	VV	4633	68392	9.40%	0.237%
145	11.349	11.302	11.382	VV	28092	489039	67.23%	1.692%
146	11.394	11.382	11.433	VV	4615	118696	16.32%	0.411%
147	11.533	11.509	11.555	VV	3996	96059	13.21%	0.332%
148	11.564	11.555	11.584	VV	3582	58923	8.10%	0.204%
149	11.615	11.584	11.635	VV	4217	110633	15.21%	0.383%
150	11.731	11.715	11.745	VV	2992	51620	7.10%	0.179%
151	11.768	11.745	11.795	VV	3500	95586	13.14%	0.331%
152	11.806	11.795	11.821	VV	3366	50862	6.99%	0.176%
153	11.836	11.821	11.859	VV	3377	74353	10.22%	0.257%
154	11.884	11.859	11.898	VV	3211	71751	9.86%	0.248%
155	11.912	11.898	11.925	VV	3280	50346	6.92%	0.174%
156	11.963	11.925	11.992	VV	3590	134100	18.43%	0.464%
157	12.008	11.992	12.021	VV	3019	50867	6.99%	0.176%
158	12.068	12.021	12.113	VV	16084	330261	45.40%	1.143%
159	12.131	12.113	12.159	VV	3196	78906	10.85%	0.273%
160	12.177	12.159	12.201	VV	2981	66844	9.19%	0.231%
161	12.242	12.201	12.261	VV	3497	106952	14.70%	0.370%
162	12.277	12.261	12.331	VV	3187	115101	15.82%	0.398%
163	12.366	12.331	12.400	VV	2585	102762	14.13%	0.356%
164	12.416	12.400	12.438	VV	2476	53898	7.41%	0.186%
165	12.465	12.438	12.477	VV	2701	60157	8.27%	0.208%
166	12.492	12.477	12.507	VV	2663	46454	6.39%	0.161%
167	12.533	12.507	12.551	VV	2863	73056	10.04%	0.253%
168	12.565	12.551	12.586	VV	2601	51651	7.10%	0.179%
169	12.624	12.586	12.650	VV	5766	138611	19.05%	0.480%
170	12.664	12.650	12.695	VV	2507	62923	8.65%	0.218%
171	12.752	12.695	12.770	VV	2775	105046	14.44%	0.363%
172	12.781	12.770	12.815	VV	2523	60172	8.27%	0.208%
173	12.837	12.815	12.856	VV	2173	50901	7.00%	0.176%
174	12.871	12.856	12.895	VV	2198	45826	6.30%	0.159%
175	12.920	12.895	12.931	VV	2148	43776	6.02%	0.151%
176	12.941	12.931	12.979	VV	2055	55860	7.68%	0.193%
177	12.993	12.979	13.025	VV	1973	49876	6.86%	0.173%
178	13.042	13.025	13.057	VV	1857	33153	4.56%	0.115%
179	13.078	13.057	13.124	VV	1968	70070	9.63%	0.242%
180	13.147	13.124	13.182	VV	2113	65381	8.99%	0.226%
181	13.203	13.182	13.237	VV	2502	66740	9.17%	0.231%
182	13.282	13.237	13.330	VV	2349	96493	13.26%	0.334%
183	13.346	13.330	13.367	VV	1532	31833	4.38%	0.110%
184	13.385	13.367	13.405	VV	1593	35176	4.84%	0.122%
185	13.424	13.405	13.461	VV	1832	50291	6.91%	0.174%
186	13.474	13.461	13.492	VV	1364	23466	3.23%	0.081%
187	13.507	13.492	13.535	VV	1200	30742	4.23%	0.106%
188	13.557	13.535	13.590	VV	1287	38926	5.35%	0.135%
189	13.607	13.590	13.642	VV	1293	36017	4.95%	0.125%
190	13.656	13.642	13.673	VV	1111	18861	2.59%	0.065%
191	13.727	13.673	13.756	VV	11982	182825	25.13%	0.632%
192	13.774	13.756	13.809	VV	2354	53872	7.41%	0.186%
193	13.818	13.809	13.879	VV	1116	41630	5.72%	0.144%
194	13.934	13.879	13.968	VV	1024	48281	6.64%	0.167%

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195	13.990	13.968	14.044	VV	910	37206	5.11%	0.129%
196	14.063	14.044	14.088	VV	962	20741	2.85%	0.072%
197	14.113	14.088	14.138	VV	1236	28787	3.96%	0.100%
198	14.156	14.138	14.185	VV	828	20192	2.78%	0.070%
199	14.205	14.185	14.265	VV	733	30905	4.25%	0.107%
200	14.294	14.265	14.318	VV	1361	28190	3.88%	0.098%
201	14.323	14.318	14.357	VV	813	16310	2.24%	0.056%
202	14.379	14.357	14.414	VV	857	23497	3.23%	0.081%
203	14.424	14.414	14.442	VV	592	8903	1.22%	0.031%
204	14.471	14.442	14.492	VV	707	16338	2.25%	0.057%
205	14.508	14.492	14.537	VV	513	12698	1.75%	0.044%
206	14.552	14.537	14.595	VV	503	14923	2.05%	0.052%
207	14.606	14.595	14.618	VV	453	5881	0.81%	0.020%
208	14.621	14.618	14.645	VV	441	6321	0.87%	0.022%
209	14.655	14.645	14.668	VV	2534	10473	1.44%	0.036%
210	14.708	14.668	14.746	VV	809	23883	3.28%	0.083%
211	14.786	14.746	14.828	VV	444	16858	2.32%	0.058%
212	14.868	14.828	14.898	VV	433	14773	2.03%	0.051%
213	14.913	14.898	14.994	VV	334	15192	2.09%	0.053%
214	15.031	14.994	15.068	VV	375	11635	1.60%	0.040%
215	15.109	15.068	15.124	VV	344	7862	1.08%	0.027%
216	15.156	15.124	15.182	VV	462	11810	1.62%	0.041%
217	15.197	15.182	15.232	VV	358	6762	0.93%	0.023%
218	15.239	15.232	15.247	VV	183	1343	0.18%	0.005%
219	15.277	15.247	15.294	VV	254	4824	0.66%	0.017%
220	15.323	15.294	15.364	VV	240	5724	0.79%	0.020%
221	15.410	15.364	15.443	VV	772	12786	1.76%	0.044%
222	15.470	15.443	15.517	VV	189	4786	0.66%	0.017%
223	15.534	15.517	15.551	VV	211	2987	0.41%	0.010%
224	15.569	15.551	15.608	VV	516	8269	1.14%	0.029%
225	15.637	15.608	15.690	VV	201	4908	0.67%	0.017%
226	15.710	15.690	15.748	VV	198	3513	0.48%	0.012%
227	15.771	15.748	15.788	VV	93	1143	0.16%	0.004%
228	15.814	15.788	15.824	VV	97	1387	0.19%	0.005%
229	15.833	15.824	15.888	PV	169	2132	0.29%	0.007%
230	15.911	15.888	15.945	PV	123	2288	0.31%	0.008%
231	15.969	15.945	16.021	VV	130	3197	0.44%	0.011%
232	16.034	16.021	16.064	VV	111	1777	0.24%	0.006%
233	16.087	16.064	16.103	VV	421	6052	0.83%	0.021%
234	16.110	16.103	16.171	VV	288	6202	0.85%	0.021%
235	16.191	16.171	16.235	VV	81	1504	0.21%	0.005%
236	16.267	16.235	16.293	PV	135	2138	0.29%	0.007%
237	16.305	16.293	16.327	PV	96	1169	0.16%	0.004%
238	16.345	16.327	16.359	VV	150	1572	0.22%	0.005%
239	16.404	16.359	16.515	VV	250	10671	1.47%	0.037%
240	16.529	16.515	16.562	VV	124	2401	0.33%	0.008%
241	16.587	16.562	16.621	VV	703	10995	1.51%	0.038%
242	16.634	16.621	16.681	VV	214	3496	0.48%	0.012%
243	16.714	16.681	16.725	VV	165	2143	0.29%	0.007%
244	16.767	16.725	16.800	VV	178	3483	0.48%	0.012%
245	16.820	16.800	16.858	VV	172	4121	0.57%	0.014%
246	16.906	16.858	16.934	VV	279	6439	0.89%	0.022%

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247	16.954	16.934	16.991	PV	140	2996	0.41%	0.010%
248	17.067	16.991	17.125	VV	744	14010	1.93%	0.048%
249	17.128	17.125	17.134	VV	77	265	0.04%	0.001%
250	17.143	17.134	17.175	VV	109	1179	0.16%	0.004%
251	17.213	17.175	17.224	VV	92	2046	0.28%	0.007%
252	17.235	17.224	17.246	VV	116	1339	0.18%	0.005%
253	17.293	17.246	17.332	VV	221	7210	0.99%	0.025%
254	17.340	17.332	17.351	VV	89	1154	0.16%	0.004%
255	17.365	17.351	17.393	VV	176	2809	0.39%	0.010%
256	17.418	17.393	17.477	VV	190	5117	0.70%	0.018%
257	17.531	17.477	17.563	VV	1317	20666	2.84%	0.071%
258	17.584	17.563	17.611	VV	265	3851	0.53%	0.013%
259	17.645	17.611	17.717	VV	142	5551	0.76%	0.019%
260	17.753	17.717	17.765	PV	177	2990	0.41%	0.010%
261	17.818	17.765	17.843	VV	188	6355	0.87%	0.022%
262	17.854	17.843	17.895	VV	134	2678	0.37%	0.009%
263	17.914	17.895	17.938	VV	97	2063	0.28%	0.007%
264	17.981	17.938	18.034	VV	1488	24279	3.34%	0.084%
265	18.094	18.034	18.110	VV	228	7372	1.01%	0.026%
266	18.120	18.110	18.171	VV	248	5958	0.82%	0.021%
267	18.221	18.171	18.240	VV	217	6741	0.93%	0.023%
268	18.262	18.240	18.313	VV	214	7788	1.07%	0.027%
269	18.361	18.313	18.371	VV	307	8053	1.11%	0.028%
270	18.415	18.371	18.481	VV	2234	39078	5.37%	0.135%
271	18.527	18.481	18.551	VV	199	6146	0.84%	0.021%
272	18.606	18.551	18.664	VV	370	11774	1.62%	0.041%
273	18.691	18.664	18.721	VV	190	3631	0.50%	0.013%
274	18.773	18.721	18.788	PV	150	3205	0.44%	0.011%
275	18.836	18.788	18.880	VV	2077	30652	4.21%	0.106%
276	18.935	18.880	18.944	VV	135	2780	0.38%	0.010%
277	18.971	18.944	18.999	VV	392	6229	0.86%	0.022%
278	19.007	18.999	19.038	VV	131	1424	0.20%	0.005%
279	19.101	19.038	19.116	PV	213	4181	0.57%	0.014%
280	19.245	19.116	19.287	VV	2435	37879	5.21%	0.131%
281	19.392	19.287	19.405	VV	236	8925	1.23%	0.031%
282	19.441	19.405	19.450	VV	349	5981	0.82%	0.021%
283	19.641	19.450	19.675	VV	2262	80058	11.01%	0.277%
284	19.749	19.731	19.758	VV	59	724	0.10%	0.003%
285	20.094	20.066	20.164	VV	1028	49957	6.87%	0.173%
286	20.308	20.164	20.356	VV	1530	123684	17.00%	0.428%

Sum of corrected areas: 28905855

Aliphatic EPH 020325.M Tue Feb 11 06:05:06 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-11DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-10DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
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
FF015513.D	10	02/06/25	02/10/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	40.6		3.40	7.55	mg/kg
Aromatic C12-C16	Aromatic C12-C16	159		3.85	11.3	mg/kg
Aromatic C16-C21	Aromatic C16-C21	182		10.9	18.9	mg/kg
Aromatic C21-C36	Aromatic C21-C36	15.2	J	22.7	30.2	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	6.77		40 - 140	135%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	4.01		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.24		40 - 140	105%	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:	Q1308-10DL	Acq On:	10 Feb 2025 09:49
Client Sample ID:	EX-11-TPH-11DL	Operator:	YP\AJ
Data file:	FF015513.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.373	7420403	53.723	200	ug/ml
Aromatic C12-C16	6.374	9.067	28383136	211.554	300	ug/ml
Aromatic C16-C21	9.068	13.385	29687769	240.971	500	ug/ml
Aromatic C21-C36	13.386	18.840	2376027	20.174	800	ug/ml
Aromatic EPH	4.505	18.840	67867335	526.423		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	691377	5.24		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	804271	6.77		ug/ml
2-Flurobiphenyl (SURR)	8.869	8.869	304866	4.01		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015513.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:49
Operator : YP\AJ
Sample : Q1308-10DL 10X
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 11 02:33:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-11DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.992	804271	6.767 ug/mlm
Spiked Amount 50.000		Recovery =	13.53%
6) S 2-Flurobiphenyl (SURR)	8.869	304866	4.014 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	8.03%
11) S ortho-Terphenyl (SURR)	11.929	691377	5.242 ug/mlm
Spiked Amount 50.000		Recovery =	10.48%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015513.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:49
Operator : YP\AJ
Sample : Q1308-10DL 10X
Misc :
ALS Vial : 71 Sample Multiplier: 1

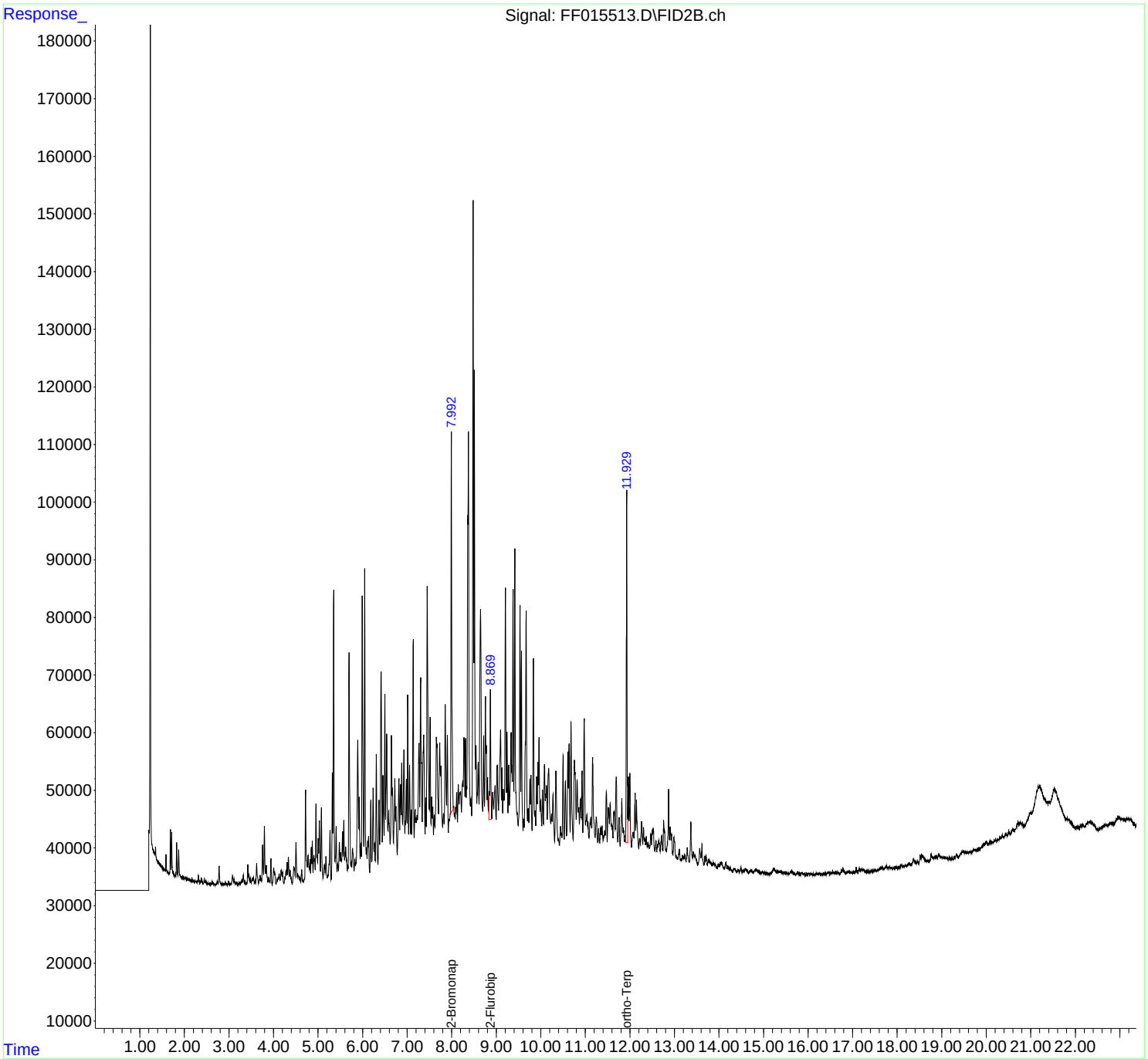
Integration File: autoint1.e
Quant Time: Feb 11 02:33:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

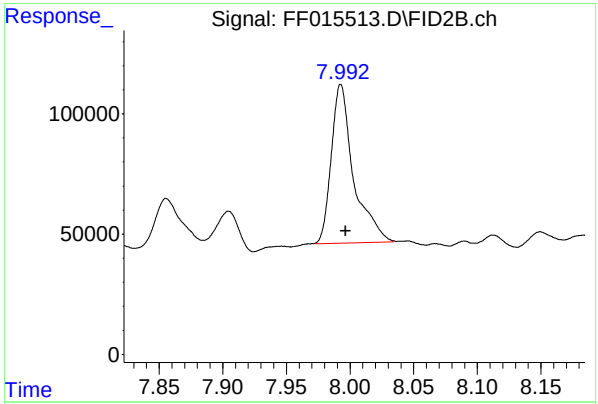
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
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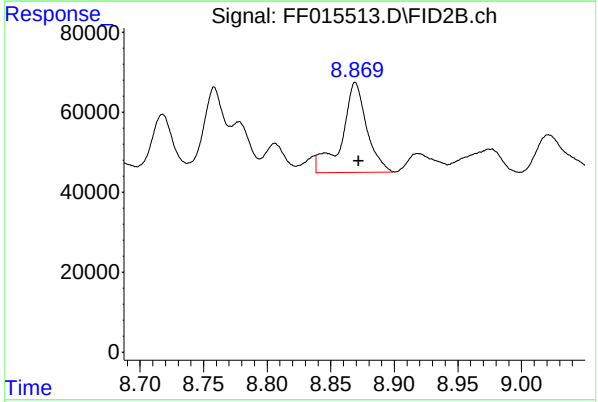
#4 2-Bromonaphthalene (SURR)

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 804271
Conc: 6.77 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

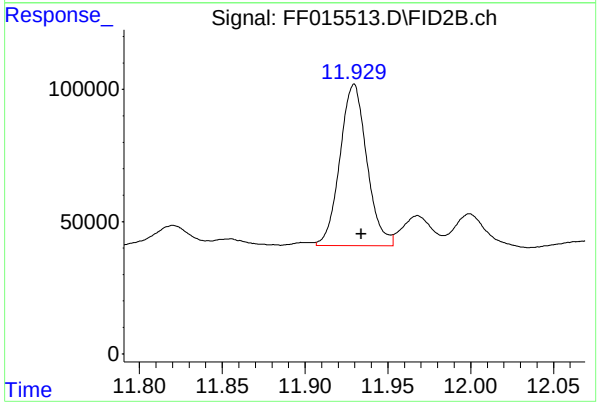
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.869 min
Delta R.T.: -0.003 min
Response: 304866
Conc: 4.01 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: -0.004 min
Response: 691377
Conc: 5.24 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02102
Data File : FF015513.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:49
Sample : Q1308-10DL 10X
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.456	4.401	4.466	BV	2371	21241	1.20%	0.031%
2	4.473	4.466	4.486	VV	2182	20031	1.13%	0.029%
3	4.504	4.486	4.531	VV	6615	84734	4.78%	0.124%
4	4.546	4.531	4.587	VV	1248	28269	1.59%	0.041%
5	4.596	4.587	4.613	VV	800	7333	0.41%	0.011%
6	4.632	4.613	4.656	PV	2078	26768	1.51%	0.039%
7	4.661	4.656	4.676	VV	191	1706	0.10%	0.002%
8	4.693	4.676	4.699	PV	549	4699	0.26%	0.007%
9	4.719	4.699	4.759	VV	15945	217598	12.26%	0.317%
10	4.774	4.759	4.804	VV	4637	89730	5.06%	0.131%
11	4.819	4.804	4.832	VV	3931	47354	2.67%	0.069%
12	4.847	4.832	4.859	VV	6047	64786	3.65%	0.095%
13	4.871	4.859	4.888	VV	7077	79276	4.47%	0.116%
14	4.907	4.888	4.917	VV	4596	63166	3.56%	0.092%
15	4.922	4.917	4.936	VV	3926	38173	2.15%	0.056%
16	4.953	4.936	4.972	VV	13546	166464	9.38%	0.243%
17	4.978	4.972	4.991	VV	4650	46162	2.60%	0.067%
18	5.004	4.991	5.015	VV	7532	84792	4.78%	0.124%
19	5.030	5.015	5.053	VV	10663	147750	8.33%	0.216%
20	5.075	5.053	5.112	VV	12844	174910	9.86%	0.255%
21	5.142	5.112	5.161	VV	2995	59644	3.36%	0.087%
22	5.178	5.161	5.204	VV	4406	65156	3.67%	0.095%
23	5.247	5.204	5.252	VV	3112	46664	2.63%	0.068%
24	5.268	5.252	5.295	VV	8942	108857	6.13%	0.159%
25	5.321	5.295	5.333	VV	18921	196584	11.08%	0.287%
26	5.350	5.333	5.378	VV	50656	578792	32.62%	0.844%
27	5.407	5.378	5.425	VV	9623	149455	8.42%	0.218%
28	5.442	5.425	5.459	VV	3046	50189	2.83%	0.073%
29	5.479	5.459	5.494	VV	6823	98288	5.54%	0.143%
30	5.504	5.494	5.517	VV	5035	59792	3.37%	0.087%
31	5.524	5.517	5.530	VV	3700	29488	1.66%	0.043%
32	5.550	5.530	5.563	VV	8614	117520	6.62%	0.171%
33	5.579	5.563	5.595	VV	10664	137369	7.74%	0.200%
34	5.622	5.595	5.636	VV	6049	119855	6.75%	0.175%
35	5.640	5.636	5.657	VV	3765	37379	2.11%	0.055%
36	5.668	5.657	5.676	VV	2839	27460	1.55%	0.040%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/11/2025

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37	5.696	5.676	5.736	VV	39637	566458	31.92%	0.826%
38	5.745	5.736	5.756	VV	3268	36082	2	
39	5.775	5.756	5.809	VV	5722	128923	7	
40	5.829	5.809	5.842	VV	3800	59832	3	
41	5.891	5.842	5.915	VV	24467	491583	27	
42	5.926	5.915	5.946	VV	14664	177354	9	
43	5.960	5.946	5.972	VV	6702	86590	4.88%	0.126%
44	5.992	5.972	6.027	VV	49523	736834	41.53%	1.075%
45	6.048	6.027	6.081	VV	54159	639932	36.06%	0.934%
46	6.090	6.081	6.100	VV	5782	59642	3.36%	0.087%
47	6.114	6.100	6.122	VV	6969	76975	4.34%	0.112%
48	6.133	6.122	6.159	VV	7747	108343	6.11%	0.158%
49	6.184	6.159	6.203	VV	14093	184781	10.41%	0.270%
50	6.238	6.203	6.256	VV	16194	268902	15.15%	0.392%
51	6.265	6.256	6.282	VV	6518	83222	4.69%	0.121%
52	6.309	6.282	6.345	VV	22009	349434	19.69%	0.510%
53	6.367	6.345	6.384	VV	14025	194088	10.94%	0.283%
54	6.416	6.384	6.442	VV	36263	675073	38.04%	0.985%
55	6.458	6.442	6.483	VV	18345	300535	16.94%	0.438%
56	6.500	6.483	6.516	VV	32270	384170	21.65%	0.560%
57	6.542	6.516	6.570	VV	25526	506394	28.54%	0.739%
58	6.587	6.570	6.619	VV	12217	279501	15.75%	0.408%
59	6.648	6.619	6.666	VV	25298	421535	23.76%	0.615%
60	6.672	6.666	6.693	VV	16048	196516	11.07%	0.287%
61	6.724	6.693	6.738	VV	17744	317710	17.90%	0.463%
62	6.748	6.738	6.779	VV	12859	224507	12.65%	0.328%
63	6.817	6.779	6.833	VV	17726	374476	21.10%	0.546%
64	6.853	6.833	6.865	VV	16715	255592	14.40%	0.373%
65	6.879	6.865	6.899	VV	20478	295293	16.64%	0.431%
66	6.929	6.899	6.948	VV	22777	450999	25.42%	0.658%
67	6.959	6.948	6.966	VV	10344	100287	5.65%	0.146%
68	6.983	6.966	6.998	VV	17556	261551	14.74%	0.382%
69	7.014	6.998	7.034	VV	32231	411568	23.19%	0.600%
70	7.055	7.034	7.080	VV	20085	367558	20.71%	0.536%
71	7.093	7.080	7.104	VV	12328	146886	8.28%	0.214%
72	7.136	7.104	7.157	VV	41881	657326	37.04%	0.959%
73	7.179	7.157	7.192	VV	12185	214366	12.08%	0.313%
74	7.200	7.192	7.211	VV	10837	120596	6.80%	0.176%
75	7.224	7.211	7.234	VV	11335	151505	8.54%	0.221%
76	7.266	7.234	7.284	VV	23825	516673	29.12%	0.754%
77	7.303	7.284	7.339	VV	35188	699411	39.42%	1.020%
78	7.372	7.339	7.403	VV	25214	686215	38.67%	1.001%
79	7.417	7.403	7.430	VV	14370	187793	10.58%	0.274%
80	7.452	7.430	7.496	VV	51110	1065459	60.05%	1.554%
81	7.516	7.496	7.536	VV	28341	445864	25.13%	0.650%
82	7.552	7.536	7.566	VV	14406	219772	12.39%	0.321%
83	7.576	7.566	7.592	VV	12722	171917	9.69%	0.251%
84	7.609	7.592	7.624	VV	11331	188612	10.63%	0.275%
85	7.657	7.624	7.666	VV	24848	415940	23.44%	0.607%
86	7.670	7.666	7.705	VV	23657	407131	22.94%	0.594%
87	7.732	7.705	7.748	VV	23769	483483	27.25%	0.705%
88	7.759	7.748	7.796	VV	19803	421362	23.75%	0.615%
89	7.817	7.796	7.831	VV	11621	221497	12.48%	0.323%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

rteres

Manual IntegrationsAPPROVED

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90	7.856	7.831	7.885	VV	30450	622114	35.06%	0.908%
91	7.905	7.885	7.925	VV	25162	412669	23	
92	7.947	7.925	7.953	VV	10570	172313	9	
93	7.993	7.953	8.038	VV	78000	1403237	79	
94	8.045	8.038	8.061	VV	12773	163205	9	
95	8.067	8.061	8.078	VV	11661	116003	6	
96	8.090	8.078	8.099	VV	12698	150632	8.49%	0.220%
97	8.113	8.099	8.132	VV	15152	255531	14.40%	0.373%
98	8.150	8.132	8.168	VV	16553	300309	16.92%	0.438%
99	8.183	8.168	8.189	VV	15154	182606	10.29%	0.266%
100	8.200	8.189	8.220	VV	15364	262559	14.80%	0.383%
101	8.248	8.220	8.258	VV	17196	347477	19.58%	0.507%
102	8.277	8.258	8.299	VV	24735	503724	28.39%	0.735%
103	8.312	8.299	8.327	VV	24574	316939	17.86%	0.462%
104	8.335	8.327	8.341	VV	16272	134923	7.60%	0.197%
105	8.377	8.341	8.418	VV	77693	1774432	100.00%	2.589%
106	8.430	8.418	8.450	VV	13994	249077	14.04%	0.363%
107	8.482	8.450	8.497	VV	117747	1528011	86.11%	2.229%
108	8.510	8.497	8.533	VV	88218	1105187	62.28%	1.612%
109	8.546	8.533	8.565	VV	23255	374745	21.12%	0.547%
110	8.596	8.565	8.615	VV	20364	489495	27.59%	0.714%
111	8.648	8.615	8.697	VV	46768	1308324	73.73%	1.909%
112	8.718	8.697	8.738	VV	25011	424707	23.93%	0.620%
113	8.758	8.738	8.771	VV	31771	454569	25.62%	0.663%
114	8.778	8.771	8.794	VV	23106	268181	15.11%	0.391%
115	8.806	8.794	8.823	VV	17741	257869	14.53%	0.376%
116	8.846	8.823	8.854	VV	15310	264386	14.90%	0.386%
117	8.869	8.854	8.901	VV	33010	555500	31.31%	0.810%
118	8.919	8.901	8.942	VV	15103	331653	18.69%	0.484%
119	8.975	8.942	8.998	VV	16146	467809	26.36%	0.682%
120	9.021	8.998	9.053	VV	19806	495377	27.92%	0.723%
121	9.099	9.053	9.117	VV	25952	742304	41.83%	1.083%
122	9.130	9.117	9.146	VV	19374	265526	14.96%	0.387%
123	9.159	9.146	9.184	VV	15669	321959	18.14%	0.470%
124	9.208	9.184	9.229	VV	50515	793137	44.70%	1.157%
125	9.243	9.229	9.264	VV	25580	404697	22.81%	0.590%
126	9.280	9.264	9.297	VV	19831	311138	17.53%	0.454%
127	9.333	9.297	9.346	VV	25527	539190	30.39%	0.787%
128	9.353	9.346	9.361	VV	19851	176632	9.95%	0.258%
129	9.378	9.361	9.396	VV	50253	639183	36.02%	0.932%
130	9.419	9.396	9.494	VV	57200	1208437	68.10%	1.763%
131	9.535	9.494	9.552	VV	47514	773402	43.59%	1.128%
132	9.568	9.552	9.603	VV	39472	604152	34.05%	0.881%
133	9.615	9.603	9.629	VV	10304	153800	8.67%	0.224%
134	9.672	9.629	9.703	VV	46310	1001613	56.45%	1.461%
135	9.717	9.703	9.734	VV	12188	207950	11.72%	0.303%
136	9.757	9.734	9.768	VV	17372	275257	15.51%	0.402%
137	9.781	9.768	9.806	VV	18023	303111	17.08%	0.442%
138	9.835	9.806	9.865	VV	38343	690990	38.94%	1.008%
139	9.876	9.865	9.889	VV	11800	154982	8.73%	0.226%
140	9.909	9.889	9.922	VV	17765	283846	16.00%	0.414%
141	9.937	9.922	9.948	VV	20267	261501	14.74%	0.381%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

Manual IntegrationsAPPROVED

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142	9.962	9.948	9.985	VV	24557	409317	23.07%	0.597%
143	9.999	9.985	10.023	VV	13551	264596	14	
144	10.040	10.023	10.060	VV	15424	273204	15	
145	10.082	10.060	10.103	VV	19734	395500	22	
146	10.111	10.103	10.119	VV	14672	140216	7	
147	10.130	10.119	10.148	VV	16135	240339	13	
148	10.179	10.148	10.225	VV	19139	658082	37.09%	0.960%
149	10.244	10.225	10.256	VV	11235	193378	10.90%	0.282%
150	10.275	10.256	10.311	VV	14707	360013	20.29%	0.525%
151	10.341	10.311	10.390	VV	18680	535322	30.17%	0.781%
152	10.399	10.390	10.418	VV	6883	109862	6.19%	0.160%
153	10.445	10.418	10.461	VV	9078	192041	10.82%	0.280%
154	10.466	10.461	10.475	VV	7707	64030	3.61%	0.093%
155	10.501	10.475	10.527	VV	21358	378904	21.35%	0.553%
156	10.554	10.527	10.579	VV	16927	357971	20.17%	0.522%
157	10.608	10.579	10.622	VV	21996	363299	20.47%	0.530%
158	10.636	10.622	10.661	VV	23332	395892	22.31%	0.578%
159	10.681	10.661	10.726	VV	27202	557191	31.40%	0.813%
160	10.755	10.726	10.768	VV	20559	357415	20.14%	0.521%
161	10.772	10.768	10.797	VV	18421	259820	14.64%	0.379%
162	10.818	10.797	10.846	VV	17111	393986	22.20%	0.575%
163	10.853	10.846	10.869	VV	12287	153995	8.68%	0.225%
164	10.892	10.869	10.909	VV	13797	289569	16.32%	0.422%
165	10.927	10.909	10.946	VV	18650	297559	16.77%	0.434%
166	10.976	10.946	11.003	VV	27741	584252	32.93%	0.852%
167	11.035	11.003	11.052	VV	11064	297093	16.74%	0.433%
168	11.061	11.052	11.081	VV	9784	145350	8.19%	0.212%
169	11.123	11.081	11.142	VV	10539	332852	18.76%	0.486%
170	11.164	11.142	11.222	VV	20926	565083	31.85%	0.824%
171	11.248	11.222	11.278	VV	10590	284039	16.01%	0.414%
172	11.299	11.278	11.324	VV	8599	197789	11.15%	0.289%
173	11.343	11.324	11.360	VV	8720	168580	9.50%	0.246%
174	11.379	11.360	11.398	VV	9073	179550	10.12%	0.262%
175	11.437	11.398	11.448	VV	8218	226042	12.74%	0.330%
176	11.471	11.448	11.493	VV	14901	282783	15.94%	0.413%
177	11.513	11.493	11.541	VV	12214	301190	16.97%	0.439%
178	11.557	11.541	11.585	VV	12942	284377	16.03%	0.415%
179	11.590	11.585	11.619	VV	9237	174808	9.85%	0.255%
180	11.640	11.619	11.670	VV	11491	307047	17.30%	0.448%
181	11.694	11.670	11.727	VV	17474	411942	23.22%	0.601%
182	11.758	11.727	11.780	VV	10468	251493	14.17%	0.367%
183	11.820	11.780	11.844	VV	13785	351876	19.83%	0.513%
184	11.855	11.844	11.886	VV	8636	185359	10.45%	0.270%
185	11.930	11.886	11.952	VV	67017	939887	52.97%	1.371%
186	11.968	11.952	11.984	VV	17424	257713	14.52%	0.376%
187	11.999	11.984	12.035	VV	18120	338003	19.05%	0.493%
188	12.071	12.035	12.094	VV	7842	243536	13.72%	0.355%
189	12.116	12.094	12.133	VV	14719	249967	14.09%	0.365%
190	12.149	12.133	12.197	VV	13441	338899	19.10%	0.494%
191	12.217	12.197	12.235	VV	6713	136281	7.68%	0.199%
192	12.263	12.235	12.289	VV	9681	244334	13.77%	0.356%
193	12.305	12.289	12.323	VV	8620	149087	8.40%	0.217%
194	12.337	12.323	12.356	VV	6854	124835	7.04%	0.182%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

rteres

195	12.370	12.356	12.391	VV	7058	129889	7.32%	0.189%
196	12.407	12.391	12.436	VV	6088	151755	8	
197	12.469	12.436	12.486	VV	7497	179306	10	
198	12.506	12.486	12.515	VV	8209	128398	7	
199	12.528	12.515	12.561	VV	8376	178882	10	
200	12.586	12.561	12.605	VV	6311	143873	8	
201	12.620	12.605	12.632	VV	5821	84700	4.77%	0.124%
202	12.650	12.632	12.681	VV	6444	168329	9.49%	0.246%
203	12.713	12.681	12.739	VV	7162	201858	11.38%	0.294%
204	12.760	12.739	12.808	VV	9874	283855	16.00%	0.414%
205	12.869	12.808	12.891	VV	15232	383927	21.64%	0.560%
206	12.906	12.891	12.922	VV	8720	144809	8.16%	0.211%
207	12.934	12.922	12.965	VV	7458	148627	8.38%	0.217%
208	12.989	12.965	13.031	VV	6810	205926	11.61%	0.300%
209	13.039	13.031	13.054	VV	3667	50064	2.82%	0.073%
210	13.059	13.054	13.065	VV	3332	20381	1.15%	0.030%
211	13.111	13.065	13.142	VV	4845	171063	9.64%	0.250%
212	13.152	13.142	13.157	VV	3047	27598	1.56%	0.040%
213	13.179	13.157	13.196	VV	3665	77834	4.39%	0.114%
214	13.202	13.196	13.214	VV	3284	34901	1.97%	0.051%
215	13.234	13.214	13.262	VV	3724	95524	5.38%	0.139%
216	13.287	13.262	13.331	VV	5086	150243	8.47%	0.219%
217	13.368	13.331	13.403	VV	9516	217672	12.27%	0.318%
218	13.422	13.403	13.447	VV	4264	102304	5.77%	0.149%
219	13.457	13.447	13.526	VV	3642	139378	7.85%	0.203%
220	13.568	13.526	13.597	VV	4882	149356	8.42%	0.218%
221	13.617	13.597	13.663	VV	5738	138403	7.80%	0.202%
222	13.681	13.663	13.695	VV	3577	55877	3.15%	0.082%
223	13.712	13.695	13.738	VV	3758	77829	4.39%	0.114%
224	13.761	13.738	13.779	VV	2936	62359	3.51%	0.091%
225	13.792	13.779	13.825	VV	2779	68648	3.87%	0.100%
226	13.838	13.825	13.851	VV	2292	32598	1.84%	0.048%
227	13.873	13.851	13.901	VV	2430	65663	3.70%	0.096%
228	13.915	13.901	13.939	VV	2138	43589	2.46%	0.064%
229	13.948	13.939	13.960	VV	1702	20265	1.14%	0.030%
230	13.990	13.960	14.012	VV	2081	56358	3.18%	0.082%
231	14.032	14.012	14.047	VV	2455	45748	2.58%	0.067%
232	14.065	14.047	14.093	VV	2380	55754	3.14%	0.081%
233	14.102	14.093	14.126	VV	1563	28299	1.59%	0.041%
234	14.154	14.126	14.182	VV	2376	63533	3.58%	0.093%
235	14.198	14.182	14.219	VV	1835	35051	1.98%	0.051%
236	14.236	14.219	14.312	VV	1452	63688	3.59%	0.093%
237	14.330	14.312	14.339	VV	1345	17968	1.01%	0.026%
238	14.352	14.339	14.406	VV	1364	39951	2.25%	0.058%
239	14.432	14.406	14.465	VV	1108	31941	1.80%	0.047%
240	14.492	14.465	14.523	VV	1631	37102	2.09%	0.054%
241	14.554	14.523	14.566	VV	1006	22148	1.25%	0.032%
242	14.589	14.566	14.609	VV	1126	26248	1.48%	0.038%
243	14.617	14.609	14.646	VV	1091	20300	1.14%	0.030%
244	14.648	14.646	14.672	VV	721	9545	0.54%	0.014%
245	14.708	14.672	14.762	VV	969	43880	2.47%	0.064%
246	14.823	14.762	14.843	VV	1207	42437	2.39%	0.062%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/11/2025

rteres

247	14.855	14.843	14.880	VV	1029	19235	1.08%	0.028%
248	14.896	14.880	14.919	VV	1019	17098		
249	14.942	14.919	14.961	VV	607	12785		
250	14.981	14.961	15.003	VV	784	15381		
251	15.024	15.003	15.053	VV	632	14324		
252	15.057	15.053	15.066	VV	409	3073		
253	15.075	15.066	15.101	VV	460	7551	0.43%	0.011%
254	15.110	15.101	15.121	VV	397	4376	0.25%	0.006%
255	15.129	15.121	15.141	VV	429	4113	0.23%	0.006%
256	15.158	15.141	15.170	VV	467	6308	0.36%	0.009%
257	15.229	15.170	15.271	VV	1302	51817	2.92%	0.076%
258	15.273	15.271	15.299	VV	732	10529	0.59%	0.015%
259	15.315	15.299	15.342	VV	778	16929	0.95%	0.025%
260	15.362	15.342	15.367	VV	651	9084	0.51%	0.013%
261	15.390	15.367	15.444	VV	746	27806	1.57%	0.041%
262	15.476	15.444	15.498	VV	602	15902	0.90%	0.023%
263	15.501	15.498	15.549	VV	411	10209	0.58%	0.015%
264	15.607	15.549	15.625	VV	728	19902	1.12%	0.029%
265	15.651	15.625	15.680	VV	697	17846	1.01%	0.026%
266	15.687	15.680	15.729	VV	417	7342	0.41%	0.011%
267	15.766	15.729	15.827	VV	618	17669	1.00%	0.026%
268	15.861	15.827	15.921	VV	422	14579	0.82%	0.021%
269	15.937	15.921	15.948	VV	187	1965	0.11%	0.003%
270	15.964	15.948	15.981	VV	240	2476	0.14%	0.004%
271	16.018	15.981	16.032	VV	292	6355	0.36%	0.009%
272	16.038	16.032	16.060	VV	207	2964	0.17%	0.004%
273	16.069	16.060	16.099	VV	260	3879	0.22%	0.006%
274	16.104	16.099	16.139	VV	147	1401	0.08%	0.002%
275	16.185	16.153	16.234	VV	323	7912	0.45%	0.012%
276	16.254	16.234	16.336	VV	234	6167	0.35%	0.009%
277	16.358	16.336	16.376	VV	187	3346	0.19%	0.005%
278	16.391	16.376	16.413	VV	232	2803	0.16%	0.004%
279	16.459	16.413	16.486	VV	389	9337	0.53%	0.014%
280	16.551	16.486	16.587	VV	403	14624	0.82%	0.021%
281	16.613	16.587	16.626	VV	292	5398	0.30%	0.008%
282	16.652	16.626	16.718	VV	330	8855	0.50%	0.013%
283	16.750	16.718	16.764	VV	607	9665	0.54%	0.014%
284	16.784	16.764	16.857	VV	747	21491	1.21%	0.031%
285	16.869	16.857	16.891	VV	217	3532	0.20%	0.005%
286	16.915	16.891	16.986	VV	314	11313	0.64%	0.017%
287	17.012	16.986	17.025	PV	154	2357	0.13%	0.003%
288	17.079	17.025	17.121	VV	870	14011	0.79%	0.020%
289	17.145	17.121	17.189	VV	685	19210	1.08%	0.028%
290	17.202	17.189	17.232	VV	605	12349	0.70%	0.018%
291	17.249	17.232	17.291	VV	584	10515	0.59%	0.015%
292	17.302	17.291	17.316	VV	218	2071	0.12%	0.003%
293	17.326	17.316	17.346	VV	151	1373	0.08%	0.002%
294	17.365	17.346	17.381	PV	103	1163	0.07%	0.002%
295	17.421	17.381	17.431	VV	114	2072	0.12%	0.003%
296	17.448	17.431	17.462	VV	186	1889	0.11%	0.003%
297	17.481	17.462	17.501	PV	164	2228	0.13%	0.003%
298	17.525	17.501	17.551	VV	208	3775	0.21%	0.006%
299	17.625	17.551	17.639	VV	418	12513	0.71%	0.018%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-11DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

rteres

300	17.657	17.639	17.696	VV	533	12636	0.71%	0.018%
301	17.704	17.696	17.712	VV	266	2379		
302	17.749	17.712	17.811	VV	611	22560		
303	17.832	17.811	17.891	VV	422	11320		
304	17.900	17.891	17.916	VV	144	1427		
305	17.997	17.916	18.022	VV	174	6139		
306	18.041	18.022	18.054	VV	64	1062	0.06%	0.002%
307	18.091	18.054	18.119	PV	542	8780	0.49%	0.013%
308	18.182	18.119	18.215	PV	221	8187	0.46%	0.012%
309	18.277	18.215	18.313	VV	399	15653	0.88%	0.023%
310	18.366	18.313	18.427	VV	1006	34447	1.94%	0.050%
311	18.460	18.427	18.484	VV	407	10834	0.61%	0.016%
312	18.515	18.484	18.535	VV	1447	26498	1.49%	0.039%
313	18.560	18.535	18.651	VV	1416	58304	3.29%	0.085%
314	18.669	18.651	18.684	VV	188	3567	0.20%	0.005%
315	18.695	18.684	18.731	VV	141	2685	0.15%	0.004%
316	18.761	18.731	18.801	PBA	1084	20462	1.15%	0.030%
			Sum of corrected areas:			68548849		

Aromatic EPH 020525.M Tue Feb 11 03:06:18 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-12	SDG No.:	Q1308
Lab Sample ID:	Q1308-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/10/25 12:00	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	74.9		20	8.53	22.4	mg/kg	FE052314.D
Aliphatic C12-C16	Aliphatic C12-C16	211		20	5.39	15.0	mg/kg	FE052314.D
Aliphatic C16-C21	Aliphatic C16-C21	117		20	6.73	22.4	mg/kg	FE052314.D
Aliphatic C21-C28	Aliphatic C21-C28	15.8		1	0.90	1.50	mg/kg	FE052292.D
Aliphatic C28-C40	Aliphatic C28-C40	24.3		1	2.02	2.24	mg/kg	FE052292.D
Aromatic C10-C12	Aromatic C10-C12	10.5		1	0.34	0.75	mg/kg	FF015494.D
Aromatic C12-C16	Aromatic C12-C16	59.9		5	1.91	5.61	mg/kg	FF015514.D
Aromatic C16-C21	Aromatic C16-C21	121		5	5.39	9.35	mg/kg	FF015514.D
Aromatic C21-C36	Aromatic C21-C36	18.7		1	2.24	2.99	mg/kg	FF015494.D
Total AliphaticEPH	Total AliphaticEPH	443			23.6	63.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	210			9.88	18.7	mg/kg	
Total EPH	Total EPH	653			33.4	82.2	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-12	SDG No.:	Q1308
Lab Sample ID:	Q1308-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052292.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		65.6	E	0.43	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		187	E	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		102	E	0.34	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		15.8		0.90	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		24.3		2.02	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-11	Acq On:	07 Feb 2025 15:27
Client Sample ID:	EX-11-TPH-12	Operator:	YP\AJ
Data file:	FE052292.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.235	84367793	877.147	300	ug/ml
Aliphatic C12-C16	7.236	10.639	262318234	2510	200	ug/ml
Aliphatic C16-C21	10.640	13.984	154280737	1370	300	ug/ml
Aliphatic C21-C28	13.985	17.628	24032361	210.812	400	ug/ml
Aliphatic C28-C40	17.629	22.712	29677128	324.15	600	ug/ml
Aliphatic EPH	3.679	22.712	554676253	5280		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.724	13.724	3189852	32.32		ug/ml
Aliphatic C9-C28	3.679	17.628	524999125	4960	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052292.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 15:27
Operator : YP\AJ
Sample : Q1308-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-12

Integration File: autoint1.e
Quant Time: Feb 08 02:25:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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...	13.724	3189852	32.322 ug/ml
Spiked Amount 50.000		Recovery = 64.64%	
Target Compounds			

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

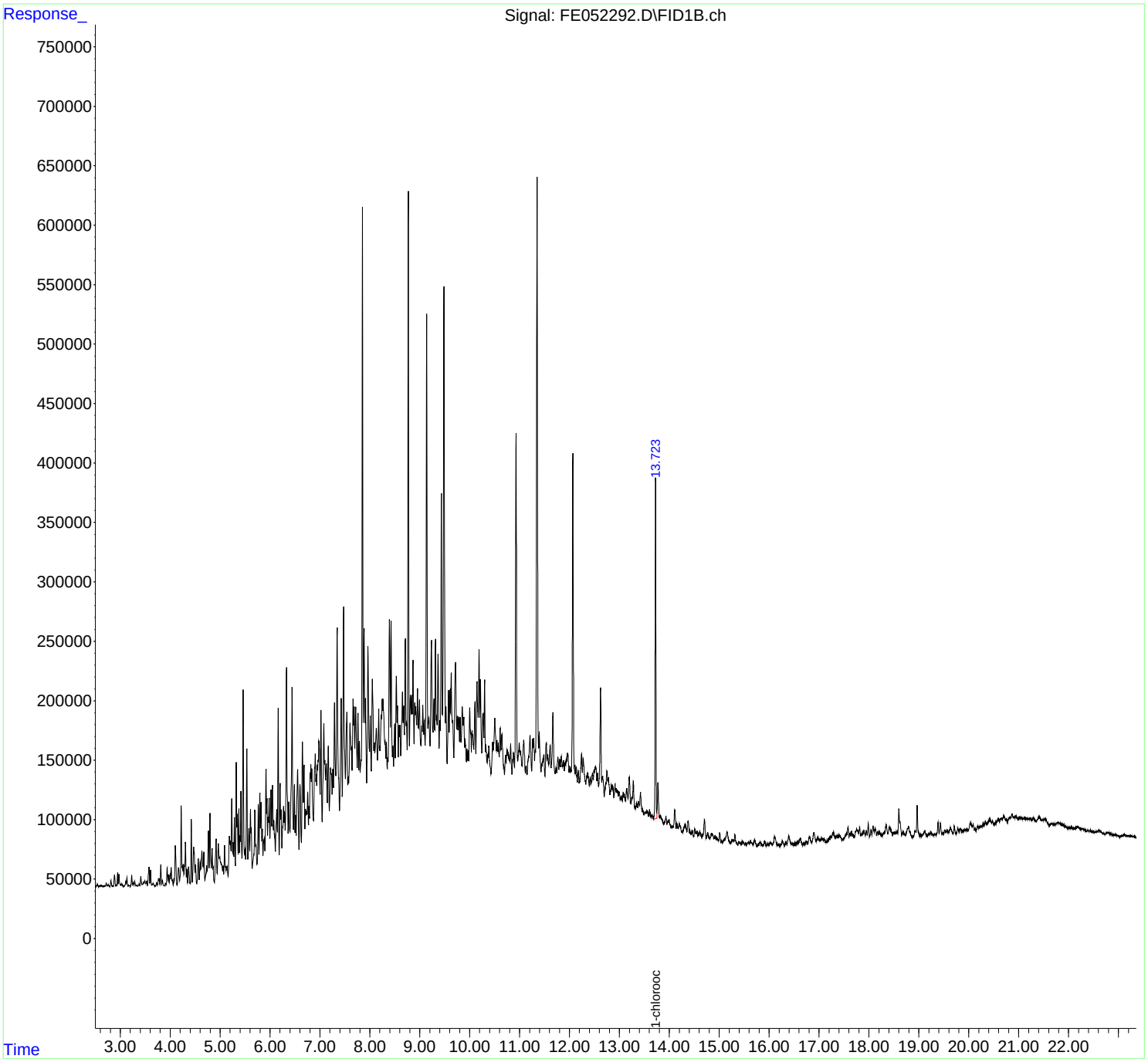
Quantitation Report (QT Reviewed)

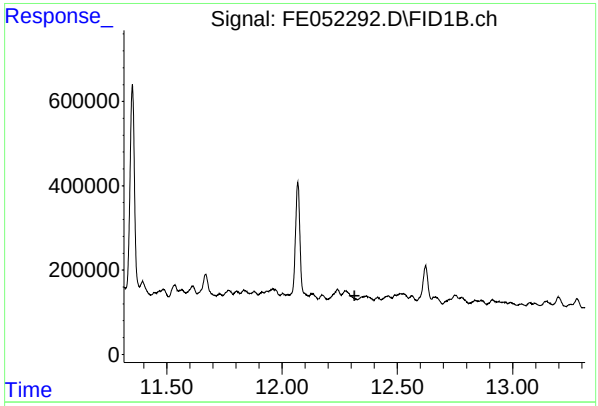
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052292.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 15:27
Operator : YP\AJ
Sample : Q1308-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-12

Integration File: autoint1.e
Quant Time: Feb 08 02:25:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

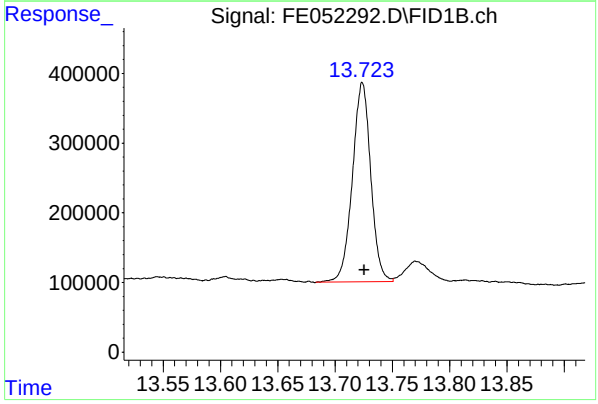




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-12



#12 1-chlorooctadecane (SURR)

R.T.: 13.724 min
Delta R.T.: -0.002 min
Response: 3189852
Conc: 32.32 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052292.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 15:27
Sample : Q1308-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.289	3.273	3.318	PV	2676	24106	0.21%	0.004%
2	3.329	3.318	3.351	PV	488	3671	0.03%	0.001%
3	3.377	3.351	3.391	PV	1727	18191	0.16%	0.003%
4	3.410	3.391	3.447	VV	7875	105894	0.91%	0.019%
5	3.468	3.447	3.477	VV	3193	41297	0.35%	0.007%
6	3.491	3.477	3.511	VV	4501	63297	0.54%	0.011%
7	3.526	3.511	3.543	VV	4195	48749	0.42%	0.009%
8	3.575	3.543	3.591	VV	15904	232106	1.99%	0.041%
9	3.606	3.591	3.628	VV	13436	142990	1.23%	0.026%
10	3.639	3.628	3.646	VV	1638	14946	0.13%	0.003%
11	3.659	3.646	3.694	VV	2225	30676	0.26%	0.005%
12	3.726	3.694	3.741	PV	2921	30819	0.26%	0.006%
13	3.777	3.741	3.792	VV	6474	123424	1.06%	0.022%
14	3.811	3.792	3.830	VV	18189	192465	1.65%	0.034%
15	3.843	3.830	3.881	VV	5070	63558	0.55%	0.011%
16	3.904	3.881	3.916	PV	2276	23484	0.20%	0.004%
17	3.938	3.916	3.955	VV	15259	183986	1.58%	0.033%
18	3.966	3.955	3.980	VV	9316	94733	0.81%	0.017%
19	3.994	3.980	4.004	VV	9180	90723	0.78%	0.016%
20	4.019	4.004	4.058	VV	15238	231982	1.99%	0.041%
21	4.102	4.058	4.138	VV	33575	550273	4.73%	0.098%
22	4.166	4.138	4.189	VV	14558	247776	2.13%	0.044%
23	4.220	4.189	4.252	VV	66206	882812	7.58%	0.158%
24	4.263	4.252	4.275	VV	17425	193331	1.66%	0.035%
25	4.305	4.275	4.323	VV	35921	540098	4.64%	0.096%
26	4.333	4.323	4.349	VV	13423	131656	1.13%	0.024%
27	4.367	4.349	4.401	VV	14944	218213	1.87%	0.039%
28	4.423	4.401	4.442	VV	54454	511384	4.39%	0.091%
29	4.470	4.442	4.530	VV	30974	790772	6.79%	0.141%
30	4.561	4.530	4.581	VV	21308	296974	2.55%	0.053%
31	4.600	4.581	4.613	VV	18343	242045	2.08%	0.043%
32	4.635	4.613	4.658	VV	27917	531160	4.56%	0.095%
33	4.673	4.658	4.695	VV	26957	340977	2.93%	0.061%
34	4.729	4.695	4.740	VV	15245	246934	2.12%	0.044%
35	4.766	4.740	4.780	VV	43958	612184	5.26%	0.109%
36	4.796	4.780	4.824	VV	59254	806052	6.93%	0.144%

37	4.839	4.824	4.883	VV	29098	484677	4.16%	0.087%
38	4.919	4.883	4.939	VV	36942	603142	5.18%	0.108%
39	4.964	4.939	5.049	VV	32988	1242510	10.68%	0.222%
40	5.060	5.049	5.072	VV	14173	150446	1.29%	0.027%
41	5.089	5.072	5.120	VV	31227	489969	4.21%	0.088%
42	5.137	5.120	5.158	VV	13549	244684	2.10%	0.044%
43	5.185	5.158	5.217	VV	38724	965472	8.29%	0.172%
44	5.233	5.217	5.251	VV	70168	896351	7.70%	0.160%
45	5.261	5.251	5.273	VV	33454	379002	3.26%	0.068%
46	5.287	5.273	5.304	VV	54271	643395	5.53%	0.115%
47	5.323	5.304	5.360	VV	99403	1737203	14.93%	0.310%
48	5.374	5.360	5.388	VV	61300	669112	5.75%	0.120%
49	5.417	5.388	5.438	VV	75943	1275175	10.96%	0.228%
50	5.461	5.438	5.488	VV	161493	2131295	18.31%	0.381%
51	5.498	5.488	5.510	VV	27151	313846	2.70%	0.056%
52	5.535	5.510	5.556	VV	110990	1467160	12.61%	0.262%
53	5.577	5.556	5.593	VV	44315	719230	6.18%	0.128%
54	5.608	5.593	5.619	VV	60324	711273	6.11%	0.127%
55	5.623	5.619	5.644	VV	45309	432482	3.72%	0.077%
56	5.696	5.644	5.740	VV	59001	1545213	13.28%	0.276%
57	5.766	5.740	5.780	VV	63802	848993	7.29%	0.152%
58	5.796	5.780	5.809	VV	73356	924866	7.95%	0.165%
59	5.820	5.809	5.859	VV	65784	1331534	11.44%	0.238%
60	5.884	5.859	5.897	VV	35362	689376	5.92%	0.123%
61	5.920	5.897	5.932	VV	93488	1272545	10.93%	0.227%
62	5.938	5.932	5.951	VV	68319	641137	5.51%	0.115%
63	5.962	5.951	5.969	VV	53071	514777	4.42%	0.092%
64	5.982	5.969	5.998	VV	68518	948531	8.15%	0.169%
65	6.018	5.998	6.033	VV	76039	1181716	10.15%	0.211%
66	6.049	6.033	6.067	VV	78966	1267738	10.89%	0.226%
67	6.077	6.067	6.106	VV	50427	913413	7.85%	0.163%
68	6.134	6.106	6.146	VV	58811	1069802	9.19%	0.191%
69	6.164	6.146	6.184	VV	144162	1727638	14.84%	0.309%
70	6.202	6.184	6.238	VV	80483	1623461	13.95%	0.290%
71	6.270	6.238	6.281	VV	60880	1185408	10.18%	0.212%
72	6.291	6.281	6.304	VV	57235	696791	5.99%	0.124%
73	6.329	6.304	6.363	VV	176528	3071021	26.38%	0.548%
74	6.377	6.363	6.401	VV	64396	1113205	9.56%	0.199%
75	6.442	6.401	6.470	VV	159941	3312870	28.46%	0.592%
76	6.487	6.470	6.502	VV	79519	1101821	9.47%	0.197%
77	6.511	6.502	6.523	VV	53295	582732	5.01%	0.104%
78	6.553	6.523	6.580	VV	91636	2123441	18.24%	0.379%
79	6.601	6.580	6.627	VV	78447	1496366	12.86%	0.267%
80	6.649	6.627	6.669	VV	113142	1943239	16.70%	0.347%
81	6.682	6.669	6.699	VV	95210	1276717	10.97%	0.228%
82	6.712	6.699	6.721	VV	57715	689079	5.92%	0.123%
83	6.755	6.721	6.771	VV	72127	1725550	14.83%	0.308%
84	6.782	6.771	6.789	VV	60350	613039	5.27%	0.109%
85	6.819	6.789	6.829	VV	94754	1898948	16.31%	0.339%
86	6.838	6.829	6.869	VV	91523	1662440	14.28%	0.297%
87	6.906	6.869	6.935	VV	103759	3235623	27.80%	0.578%
88	6.980	6.935	7.003	VV	113606	3950816	33.94%	0.706%
89	7.021	7.003	7.045	VV	140378	2304403	19.80%	0.412%

90	7.079	7.045	7.113	VV	128497	3745799	32.18%	0.669%
91	7.128	7.113	7.147	VV	94071	1705378	14.65%	0.305%
92	7.167	7.147	7.189	VV	109973	2081840	17.89%	0.372%
93	7.215	7.189	7.244	VV	90387	2616288	22.48%	0.467%
94	7.258	7.244	7.271	VV	90293	1295798	11.13%	0.231%
95	7.292	7.271	7.317	VV	145820	2934087	25.21%	0.524%
96	7.345	7.317	7.393	VV	208898	5106456	43.87%	0.912%
97	7.426	7.393	7.448	VV	149334	3323529	28.55%	0.594%
98	7.475	7.448	7.510	VV	225024	4793086	41.18%	0.856%
99	7.540	7.510	7.559	VV	138328	3171416	27.25%	0.566%
100	7.567	7.559	7.576	VV	82451	802963	6.90%	0.143%
101	7.604	7.576	7.644	VV	127121	4274272	36.72%	0.763%
102	7.665	7.644	7.676	VV	147944	2343178	20.13%	0.418%
103	7.684	7.676	7.698	VV	141645	1749011	15.03%	0.312%
104	7.717	7.698	7.748	VV	141200	3500677	30.08%	0.625%
105	7.763	7.748	7.778	VV	135280	2040242	17.53%	0.364%
106	7.791	7.778	7.808	VV	112042	1731494	14.88%	0.309%
107	7.852	7.808	7.870	VV	560406	7823819	67.22%	1.397%
108	7.885	7.870	7.937	VV	206343	5688625	48.87%	1.016%
109	7.963	7.937	7.994	VV	187982	4496037	38.63%	0.803%
110	8.009	7.994	8.028	VV	132453	2295710	19.72%	0.410%
111	8.051	8.028	8.102	VV	162902	5435281	46.70%	0.971%
112	8.130	8.102	8.153	VV	121577	3378673	29.03%	0.603%
113	8.179	8.153	8.205	VV	137232	3490888	29.99%	0.623%
114	8.248	8.205	8.321	VV	146450	8683464	74.60%	1.551%
115	8.332	8.321	8.348	VV	109758	1659475	14.26%	0.296%
116	8.394	8.348	8.412	VV	212083	5290778	45.46%	0.945%
117	8.427	8.412	8.453	VV	211111	3558935	30.58%	0.636%
118	8.462	8.453	8.476	VV	106652	1421793	12.22%	0.254%
119	8.498	8.476	8.511	VV	125128	2259583	19.41%	0.404%
120	8.531	8.511	8.571	VV	164822	4683317	40.24%	0.836%
121	8.585	8.571	8.594	VV	123553	1636551	14.06%	0.292%
122	8.603	8.594	8.620	VV	124153	1745830	15.00%	0.312%
123	8.654	8.620	8.667	VV	151078	3576819	30.73%	0.639%
124	8.679	8.667	8.692	VV	139617	1937955	16.65%	0.346%
125	8.710	8.692	8.748	VV	196805	4705798	40.43%	0.840%
126	8.771	8.748	8.794	VV	571844	7464492	64.13%	1.333%
127	8.814	8.794	8.828	VV	148276	2749173	23.62%	0.491%
128	8.840	8.828	8.850	VV	148983	1815899	15.60%	0.324%
129	8.865	8.850	8.886	VV	176773	3225677	27.71%	0.576%
130	8.901	8.886	8.911	VV	141842	1946974	16.73%	0.348%
131	8.920	8.911	8.940	VV	137192	2239056	19.24%	0.400%
132	8.956	8.940	8.973	VV	152642	2737405	23.52%	0.489%
133	8.995	8.973	9.024	VV	144039	3750193	32.22%	0.670%
134	9.062	9.024	9.079	VV	139124	4000324	34.37%	0.714%
135	9.091	9.079	9.108	VV	126545	2066416	17.75%	0.369%
136	9.139	9.108	9.164	VV	470296	7703129	66.18%	1.376%
137	9.183	9.164	9.207	VV	128851	3080150	26.46%	0.550%
138	9.234	9.207	9.265	VV	193411	5077398	43.62%	0.907%
139	9.284	9.265	9.298	VV	144654	2564864	22.04%	0.458%
140	9.315	9.298	9.347	VV	193139	4277994	36.75%	0.764%
141	9.368	9.347	9.389	VV	182084	3629757	31.19%	0.648%

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142	9.402	9.389	9.410	VV	125308	1499822	12.89%	0.268%
143	9.434	9.410	9.455	VV	316000	5263281	45.22%	0.940%
144	9.485	9.455	9.548	VV	489041	11639343	100.00%	2.079%
145	9.577	9.548	9.591	VV	151216	3124070	26.84%	0.558%
146	9.606	9.591	9.617	VV	150981	2136439	18.36%	0.382%
147	9.631	9.617	9.684	VV	165294	5163117	44.36%	0.922%
148	9.717	9.684	9.741	VV	173373	4807586	41.30%	0.859%
149	9.753	9.741	9.766	VV	128430	1894427	16.28%	0.338%
150	9.779	9.766	9.798	VV	128201	2283688	19.62%	0.408%
151	9.810	9.798	9.828	VV	127767	2088074	17.94%	0.373%
152	9.853	9.828	9.872	VV	136213	3252098	27.94%	0.581%
153	9.883	9.872	9.934	VV	127439	4071776	34.98%	0.727%
154	9.947	9.934	9.960	VV	100472	1475200	12.67%	0.263%
155	9.971	9.960	9.981	VV	98790	1211665	10.41%	0.216%
156	10.003	9.981	10.035	VV	135367	3705009	31.83%	0.662%
157	10.050	10.035	10.082	VV	115198	3019960	25.95%	0.539%
158	10.106	10.082	10.124	VV	139430	3014965	25.90%	0.538%
159	10.147	10.124	10.171	VV	156444	3704112	31.82%	0.662%
160	10.190	10.171	10.205	VV	183727	3054730	26.24%	0.546%
161	10.217	10.205	10.245	VV	158271	3104095	26.67%	0.554%
162	10.267	10.245	10.285	VV	128592	2770914	23.81%	0.495%
163	10.300	10.285	10.350	VV	158416	4375437	37.59%	0.781%
164	10.386	10.350	10.429	VV	101853	4302304	36.96%	0.768%
165	10.461	10.429	10.478	VV	104739	2710960	23.29%	0.484%
166	10.505	10.478	10.534	VV	125148	3779418	32.47%	0.675%
167	10.545	10.534	10.559	VV	105491	1528070	13.13%	0.273%
168	10.574	10.559	10.594	VV	104374	2069182	17.78%	0.370%
169	10.612	10.594	10.628	VV	116694	2104051	18.08%	0.376%
170	10.645	10.628	10.699	VV	110819	4047397	34.77%	0.723%
171	10.719	10.699	10.731	VV	93320	1697650	14.59%	0.303%
172	10.748	10.731	10.759	VV	97766	1548705	13.31%	0.277%
173	10.767	10.759	10.804	VV	95572	2485012	21.35%	0.444%
174	10.822	10.804	10.849	VV	102380	2453066	21.08%	0.438%
175	10.880	10.849	10.900	VV	94600	2685976	23.08%	0.480%
176	10.930	10.900	10.963	VV	363476	6801739	58.44%	1.215%
177	10.995	10.963	11.054	VV	103081	5093245	43.76%	0.910%
178	11.083	11.054	11.115	VV	104898	3403980	29.25%	0.608%
179	11.128	11.115	11.150	VV	82871	1675102	14.39%	0.299%
180	11.210	11.150	11.243	VV	108987	5112621	43.93%	0.913%
181	11.283	11.243	11.301	VV	106246	3364457	28.91%	0.601%
182	11.351	11.301	11.382	VV	576004	10813649	92.91%	1.931%
183	11.395	11.382	11.431	VV	110794	2796885	24.03%	0.500%
184	11.486	11.431	11.508	VV	91806	3907901	33.57%	0.698%
185	11.534	11.508	11.551	VV	101613	2319532	19.93%	0.414%
186	11.565	11.551	11.583	VV	91173	1666822	14.32%	0.298%
187	11.613	11.583	11.632	VV	100594	2677824	23.01%	0.478%
188	11.668	11.632	11.714	VV	126904	4587878	39.42%	0.819%
189	11.730	11.714	11.743	VV	79415	1347020	11.57%	0.241%
190	11.769	11.743	11.788	VV	88622	2255756	19.38%	0.403%
191	11.803	11.788	11.819	VV	87384	1542124	13.25%	0.275%
192	11.835	11.819	11.862	VV	89448	2203156	18.93%	0.393%
193	11.879	11.862	11.896	VV	85633	1706931	14.67%	0.305%
194	11.960	11.896	11.990	VV	91690	4795216	41.20%	0.856%

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195	12.003	11.990	12.034	VV	80996	2061151	17.71%	0.368%
196	12.068	12.034	12.114	VV	343490	7122512	61.19%	1.272%
197	12.131	12.114	12.157	VV	80193	1975510	16.97%	0.353%
198	12.174	12.157	12.196	VV	76508	1662645	14.28%	0.297%
199	12.241	12.196	12.257	VV	90567	2858226	24.56%	0.510%
200	12.275	12.257	12.327	VV	85994	3198469	27.48%	0.571%
201	12.365	12.327	12.397	VV	73720	2917683	25.07%	0.521%
202	12.415	12.397	12.430	VV	70565	1332558	11.45%	0.238%
203	12.460	12.430	12.476	VV	74472	1975591	16.97%	0.353%
204	12.525	12.476	12.549	VV	79244	3271846	28.11%	0.584%
205	12.563	12.549	12.584	VV	74249	1479260	12.71%	0.264%
206	12.622	12.584	12.649	VV	143736	3600388	30.93%	0.643%
207	12.665	12.649	12.696	VV	70812	1858102	15.96%	0.332%
208	12.751	12.696	12.813	VV	74538	4552435	39.11%	0.813%
209	12.837	12.813	12.853	VV	62413	1454668	12.50%	0.260%
210	12.864	12.853	12.888	VV	62477	1203203	10.34%	0.215%
211	12.913	12.888	12.980	VV	63737	3212887	27.60%	0.574%
212	12.991	12.980	13.018	VV	56705	1239660	10.65%	0.221%
213	13.039	13.018	13.058	VV	53611	1236665	10.62%	0.221%
214	13.075	13.058	13.087	VV	56475	957310	8.22%	0.171%
215	13.097	13.087	13.119	VV	54297	985849	8.47%	0.176%
216	13.146	13.119	13.173	VV	59259	1791440	15.39%	0.320%
217	13.199	13.173	13.234	VV	68817	2083265	17.90%	0.372%
218	13.279	13.234	13.326	VV	65629	2814176	24.18%	0.503%
219	13.344	13.326	13.362	VV	47366	972482	8.36%	0.174%
220	13.383	13.362	13.403	VV	47677	1109656	9.53%	0.198%
221	13.422	13.403	13.457	VV	55474	1521117	13.07%	0.272%
222	13.467	13.457	13.487	VV	41083	709410	6.09%	0.127%
223	13.511	13.487	13.530	VV	38165	978610	8.41%	0.175%
224	13.547	13.530	13.585	VV	39991	1283641	11.03%	0.229%
225	13.604	13.585	13.632	VV	40939	1037332	8.91%	0.185%
226	13.654	13.632	13.683	VV	36586	1071722	9.21%	0.191%
227	13.724	13.683	13.751	VV	319579	4514521	38.79%	0.806%
228	13.771	13.751	13.801	VV	62234	1434862	12.33%	0.256%
229	13.813	13.801	13.893	VV	35540	1762115	15.14%	0.315%
230	13.934	13.893	13.958	VV	34173	1182252	10.16%	0.211%
231	13.980	13.958	14.039	VV	30554	1382395	11.88%	0.247%
232	14.054	14.039	14.075	VV	26195	551324	4.74%	0.098%
233	14.108	14.075	14.136	VV	39279	1106858	9.51%	0.198%
234	14.153	14.136	14.180	VV	27822	677527	5.82%	0.121%
235	14.200	14.180	14.244	VV	26974	957718	8.23%	0.171%
236	14.258	14.244	14.270	VV	21039	318767	2.74%	0.057%
237	14.321	14.270	14.352	VV	26389	1154458	9.92%	0.206%
238	14.376	14.352	14.436	VV	29057	1141289	9.81%	0.204%
239	14.461	14.436	14.485	VV	20964	550077	4.73%	0.098%
240	14.509	14.485	14.537	VV	22026	602331	5.17%	0.108%
241	14.553	14.537	14.574	VV	20202	412711	3.55%	0.074%
242	14.609	14.574	14.644	VV	19508	740547	6.36%	0.132%
243	14.661	14.644	14.674	VV	16060	288301	2.48%	0.051%
244	14.704	14.674	14.734	VV	29579	778390	6.69%	0.139%
245	14.771	14.734	14.807	VV	18303	684026	5.88%	0.122%
246	14.857	14.807	14.900	VV	17499	859366	7.38%	0.153%

247	14.916	14.900	14.990	VV	15358	711674	6.11%	0.127%
248	15.008	14.990	15.064	VV	17343	558148	4.80%	0.100%
249	15.099	15.064	15.113	VV	12256	329742	2.83%	0.059%
250	15.155	15.113	15.229	VV	18082	895708	7.70%	0.160%
251	15.273	15.229	15.289	VV	11672	373811	3.21%	0.067%
252	15.314	15.289	15.366	VV	15693	486559	4.18%	0.087%
253	15.406	15.366	15.436	VV	8912	337117	2.90%	0.060%
254	15.466	15.436	15.511	VV	9665	362511	3.11%	0.065%
255	15.523	15.511	15.547	VV	8191	155606	1.34%	0.028%
256	15.585	15.547	15.608	VV	8577	279706	2.40%	0.050%
257	15.626	15.608	15.674	VV	9309	309647	2.66%	0.055%
258	15.705	15.674	15.754	VV	10714	366085	3.15%	0.065%
259	15.816	15.754	15.880	VV	7808	472170	4.06%	0.084%
260	15.905	15.880	15.944	VV	8565	259469	2.23%	0.046%
261	15.978	15.944	15.987	VV	5956	140188	1.20%	0.025%
262	16.022	15.987	16.064	VV	7047	281930	2.42%	0.050%
263	16.110	16.064	16.172	VV	11943	502225	4.31%	0.090%
264	16.186	16.172	16.211	VV	5374	107950	0.93%	0.019%
265	16.263	16.211	16.309	VV	8324	318612	2.74%	0.057%
266	16.337	16.309	16.354	VV	7177	153401	1.32%	0.027%
267	16.393	16.354	16.484	VV	11789	553054	4.75%	0.099%
268	16.498	16.484	16.512	VV	5193	81168	0.70%	0.014%
269	16.525	16.512	16.538	VV	5152	76535	0.66%	0.014%
270	16.581	16.538	16.591	VV	6524	177214	1.52%	0.032%
271	16.623	16.591	16.668	VV	9055	310003	2.66%	0.055%
272	16.691	16.668	16.724	VV	5079	147415	1.27%	0.026%
273	16.754	16.724	16.781	VV	6150	185102	1.59%	0.033%
274	16.814	16.781	16.855	VV	10178	338585	2.91%	0.060%
275	16.897	16.855	16.934	VV	13201	444852	3.82%	0.079%
276	16.972	16.934	17.028	VV	9145	414975	3.57%	0.074%
277	17.067	17.028	17.088	VV	8161	252553	2.17%	0.045%
278	17.099	17.088	17.141	VV	7757	198927	1.71%	0.036%
279	17.211	17.141	17.220	VV	8140	304959	2.62%	0.054%
280	17.239	17.220	17.253	VV	9556	172156	1.48%	0.031%
281	17.282	17.253	17.324	VV	12753	447986	3.85%	0.080%
282	17.358	17.324	17.371	VV	9433	251120	2.16%	0.045%
283	17.408	17.371	17.471	VV	10438	490118	4.21%	0.088%
284	17.546	17.471	17.558	VV	10832	438765	3.77%	0.078%
285	17.580	17.558	17.601	VV	16256	325311	2.79%	0.058%
286	17.619	17.601	17.634	VV	10735	195614	1.68%	0.035%
287	17.648	17.634	17.674	VV	12314	254847	2.19%	0.046%
288	17.685	17.674	17.711	VV	9889	192300	1.65%	0.034%
289	17.752	17.711	17.794	VV	14471	602962	5.18%	0.108%
290	17.813	17.794	17.835	VV	16071	304654	2.62%	0.054%
291	17.897	17.835	17.924	VV	11643	557836	4.79%	0.100%
292	17.947	17.924	17.963	VV	12161	242378	2.08%	0.043%
293	17.986	17.963	18.011	VV	18361	362733	3.12%	0.065%
294	18.040	18.011	18.058	VV	12968	284921	2.45%	0.051%
295	18.083	18.058	18.111	VV	16092	415136	3.57%	0.074%
296	18.125	18.111	18.154	VV	14447	307276	2.64%	0.055%
297	18.172	18.154	18.191	VV	10893	214699	1.84%	0.038%
298	18.211	18.191	18.233	VV	10824	244416	2.10%	0.044%
299	18.245	18.233	18.263	VV	9240	150498	1.29%	0.027%

300	18.306	18.263	18.317	VV	10151	291444	2.50%	0.052%
301	18.347	18.317	18.375	VV	16746	450627	3.87%	0.080%
302	18.413	18.375	18.471	VV	14434	656916	5.64%	0.117%
303	18.503	18.471	18.538	VV	10015	361649	3.11%	0.065%
304	18.563	18.538	18.578	VV	10003	227812	1.96%	0.041%
305	18.598	18.578	18.662	VV	28974	809756	6.96%	0.145%
306	18.686	18.662	18.715	VV	9933	270769	2.33%	0.048%
307	18.794	18.715	18.818	VV	14098	629872	5.41%	0.112%
308	18.825	18.818	18.868	VV	9431	210083	1.80%	0.038%
309	18.930	18.868	18.944	VV	10017	329911	2.83%	0.059%
310	18.965	18.944	19.012	VV	31251	585727	5.03%	0.105%
311	19.028	19.012	19.068	VV	6546	202116	1.74%	0.036%
312	19.075	19.068	19.082	VV	6557	51771	0.44%	0.009%
313	19.119	19.082	19.163	VV	9865	357743	3.07%	0.064%
314	19.172	19.163	19.184	VV	6050	75102	0.65%	0.013%
315	19.208	19.184	19.221	VV	7203	147794	1.27%	0.026%
316	19.240	19.221	19.268	VV	8679	196668	1.69%	0.035%
317	19.273	19.268	19.301	VV	6108	119904	1.03%	0.021%
318	19.311	19.301	19.319	VV	6073	64969	0.56%	0.012%
319	19.329	19.319	19.343	VV	6332	88462	0.76%	0.016%
320	19.384	19.343	19.406	VV	16210	352983	3.03%	0.063%
321	19.432	19.406	19.500	VV	15332	491502	4.22%	0.088%
322	19.519	19.500	19.542	VV	9405	207509	1.78%	0.037%
323	19.562	19.542	19.583	VV	9317	195869	1.68%	0.035%
324	19.634	19.583	19.688	VV	11564	527552	4.53%	0.094%
325	19.710	19.688	19.751	VV	12148	303109	2.60%	0.054%
326	19.780	19.751	19.804	VV	10282	260117	2.23%	0.046%
327	19.833	19.804	19.868	VV	9911	328474	2.82%	0.059%
328	19.886	19.868	19.896	VV	7982	130575	1.12%	0.023%
329	19.903	19.896	19.911	VV	8163	72819	0.63%	0.013%
330	19.955	19.911	19.994	VV	9019	411435	3.53%	0.073%
331	20.041	19.994	20.071	VV	13866	538538	4.63%	0.096%
332	20.086	20.071	20.121	VV	12679	305952	2.63%	0.055%
333	20.129	20.121	20.148	VV	8528	128132	1.10%	0.023%
334	20.179	20.148	20.201	VV	11113	307672	2.64%	0.055%
335	20.212	20.201	20.217	VV	10253	92621	0.80%	0.017%
336	20.232	20.217	20.236	VV	10414	119725	1.03%	0.021%
337	20.292	20.236	20.303	VV	13149	449671	3.86%	0.080%
338	20.333	20.303	20.371	VV	14014	507970	4.36%	0.091%
339	20.428	20.371	20.459	VV	15807	766772	6.59%	0.137%
340	20.478	20.459	20.510	VV	14480	397084	3.41%	0.071%
341	20.529	20.510	20.541	VV	13225	231789	1.99%	0.041%
342	20.594	20.541	20.620	VV	16386	681824	5.86%	0.122%
343	20.629	20.620	20.634	VV	15927	126770	1.09%	0.023%
344	20.660	20.634	20.671	VV	16829	362134	3.11%	0.065%
345	20.710	20.671	20.777	VV	17686	995362	8.55%	0.178%
346	20.815	20.777	20.824	VV	16660	431968	3.71%	0.077%
347	20.866	20.824	20.924	VV	19708	1030270	8.85%	0.184%
348	20.943	20.924	20.987	VV	17216	620623	5.33%	0.111%
349	21.013	20.987	21.034	VV	16957	445599	3.83%	0.080%
350	21.050	21.034	21.079	VV	15937	415313	3.57%	0.074%
351	21.120	21.079	21.178	VV	15672	886903	7.62%	0.158%

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352	21.185	21.178	21.218	VV	15043	349653	3.00%	0.062%
353	21.233	21.218	21.271	VV	15085	456415	3.92%	0.082%
354	21.294	21.271	21.359	VV	14976	711074	6.11%	0.127%
355	21.409	21.359	21.467	VV	15750	913034	7.84%	0.163%
356	21.485	21.467	21.508	VV	13200	318613	2.74%	0.057%
357	21.529	21.508	21.621	VV	13550	755714	6.49%	0.135%
358	21.660	21.621	21.721	VV	9667	538588	4.63%	0.096%
359	21.784	21.721	21.864	VV	10497	784705	6.74%	0.140%
360	21.874	21.864	21.995	VV	8316	511918	4.40%	0.091%
361	22.002	21.995	22.030	VV	5402	106266	0.91%	0.019%
362	22.051	22.030	22.105	VV	5805	222991	1.92%	0.040%
363	22.126	22.105	22.134	VV	4734	74936	0.64%	0.013%
364	22.186	22.134	22.226	VV	5363	264339	2.27%	0.047%
365	22.242	22.226	22.266	VV	3973	88637	0.76%	0.016%
366	22.285	22.266	22.294	VV	3602	58133	0.50%	0.010%
367	22.300	22.294	22.351	VBA	3218	133725	1.15%	0.024%

Sum of corrected areas: 559916695

Aliphatic EPH 020325.M Sat Feb 08 04:01:52 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-12	SDG No.:	Q1308
Lab Sample ID:	Q1308-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015494.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.5		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	50.8	E	0.38	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	111	E	1.08	1.87	mg/kg
Aromatic C21-C36	Aromatic C21-C36	18.7		2.24	2.99	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.9		40 - 140	118%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	46.8		40 - 140	94%	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:	Q1308-11	Acq On:	07 Feb 2025 15:24
Client Sample ID:	EX-11-TPH-12	Operator:	YP\AJ
Data file:	FF015494.D	Misc:	
Instrument:	FID_F	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.374	19320318	139.878	200	ug/ml
Aromatic C12-C16	6.375	9.068	91111750	679.103	300	ug/ml
Aromatic C16-C21	9.069	13.385	183889746	1490	500	ug/ml
Aromatic C21-C36	13.386	18.838	29413348	249.739	800	ug/ml
Aromatic EPH	4.505	18.838	323735162	2560		ug/ml
2-Bromonaphthalene (SURR)	7.998	7.998	6994291	58.85		ug/ml
2-Flurobiphenyl (SURR)	8.874	8.874	3551284	46.76		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	4157804	31.53		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015494.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 15:24
Operator : YP\AJ
Sample : Q1308-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 00:35:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-12

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.998	6994291	58.848 ug/mlm
Spiked Amount 50.000		Recovery = 117.70%	
6) S 2-Flurobiphenyl (SURR)	8.874	3551284	46.763 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 93.53%	
11) S ortho-Terphenyl (SURR)	11.935	4157804	31.527 ug/mlm
Spiked Amount 50.000		Recovery = 63.05%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015494.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 15:24
Operator : YP\AJ
Sample : Q1308-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

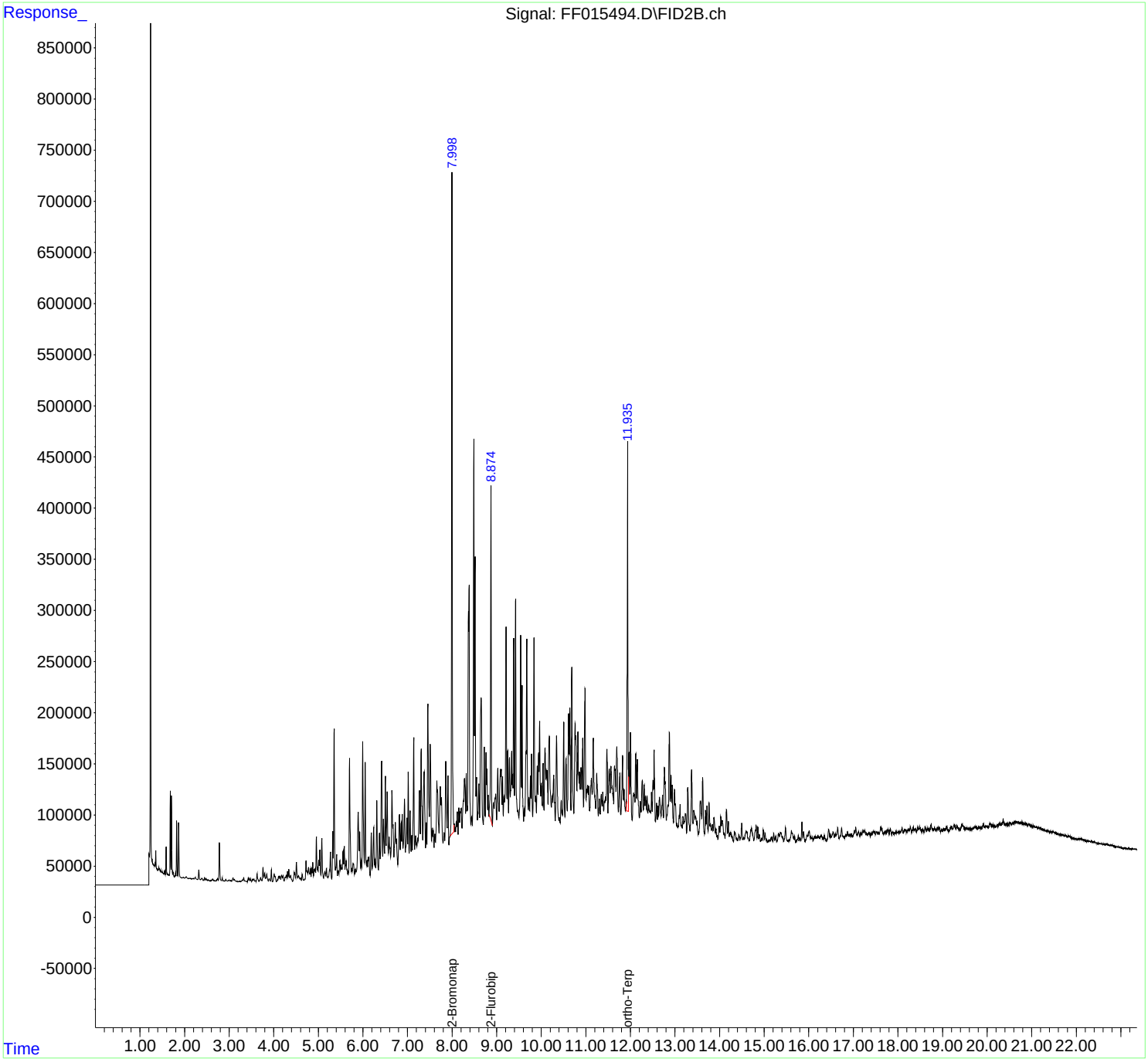
Integration File: autoint1.e
Quant Time: Feb 10 00:35:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

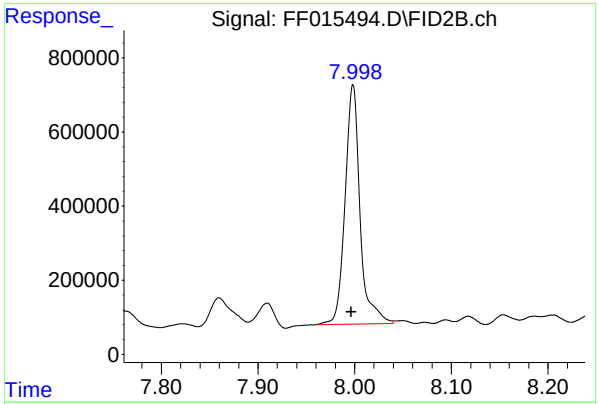
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025





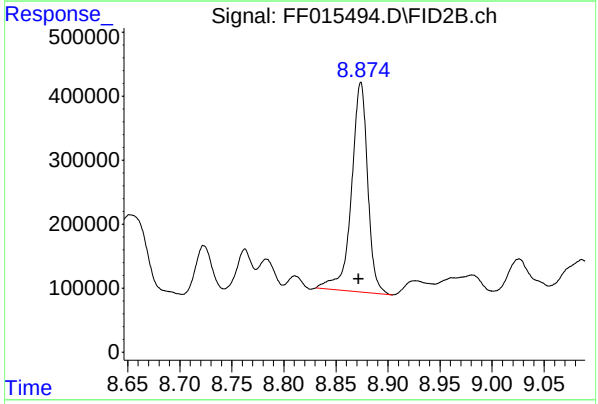
#4 2-Bromonaphthalene (SURR)

R.T.: 7.998 min
Delta R.T.: 0.001 min
Response: 6994291
Conc: 58.85 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12

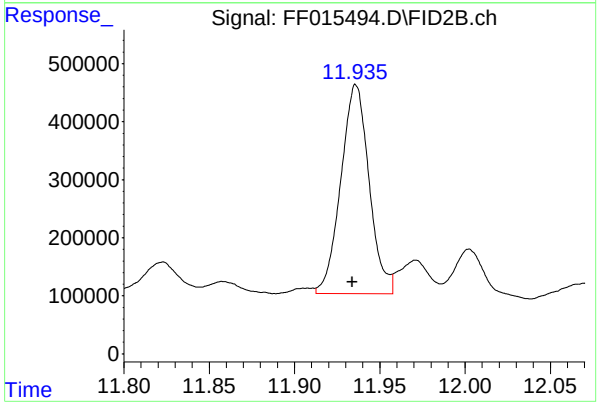
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.874 min
Delta R.T.: 0.002 min
Response: 3551284
Conc: 46.76 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.001 min
Response: 4157804
Conc: 31.53 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015494.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 15:24
Sample : Q1308-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.461	4.401	4.471	BV	7222	60424	0.65%	0.018%
2	4.476	4.471	4.491	VV	5948	51360	0.55%	0.015%
3	4.509	4.491	4.536	VV	17349	220495	2.37%	0.065%
4	4.551	4.536	4.559	VV	3452	41016	0.44%	0.012%
5	4.563	4.559	4.589	VV	3439	42656	0.46%	0.013%
6	4.602	4.589	4.618	VV	2427	25681	0.28%	0.008%
7	4.638	4.618	4.665	PV	5969	76668	0.82%	0.023%
8	4.670	4.665	4.682	VV	390	2609	0.03%	0.001%
9	4.699	4.682	4.704	PV	1268	10027	0.11%	0.003%
10	4.724	4.704	4.742	VV	19126	238488	2.56%	0.070%
11	4.748	4.742	4.764	VV	8493	102266	1.10%	0.030%
12	4.780	4.764	4.809	VV	12652	229437	2.46%	0.068%
13	4.824	4.809	4.838	VV	11412	134953	1.45%	0.040%
14	4.852	4.838	4.863	VV	11920	121821	1.31%	0.036%
15	4.876	4.863	4.893	VV	17273	195097	2.09%	0.058%
16	4.911	4.893	4.920	VV	10438	131373	1.41%	0.039%
17	4.930	4.920	4.940	VV	10872	112501	1.21%	0.033%
18	4.957	4.940	4.977	VV	42135	498162	5.35%	0.147%
19	4.985	4.977	4.994	VV	11116	104279	1.12%	0.031%
20	5.009	4.994	5.019	VV	19282	216551	2.32%	0.064%
21	5.034	5.019	5.058	VV	29248	390047	4.19%	0.115%
22	5.079	5.058	5.117	VV	40128	516471	5.54%	0.152%
23	5.147	5.117	5.166	VV	7610	144430	1.55%	0.043%
24	5.182	5.166	5.206	VV	10771	144497	1.55%	0.043%
25	5.251	5.206	5.256	VV	9182	123336	1.32%	0.036%
26	5.272	5.256	5.300	VV	26517	312936	3.36%	0.092%
27	5.325	5.300	5.337	PV	46318	466827	5.01%	0.138%
28	5.354	5.337	5.381	VV	146481	1639696	17.60%	0.484%
29	5.411	5.381	5.429	VV	23567	363604	3.90%	0.107%
30	5.447	5.429	5.462	VV	7660	117586	1.26%	0.035%
31	5.483	5.462	5.498	VV	17670	253539	2.72%	0.075%
32	5.510	5.498	5.523	VV	13018	157064	1.69%	0.046%
33	5.528	5.523	5.534	VV	9159	57559	0.62%	0.017%
34	5.554	5.534	5.568	VV	26619	355971	3.82%	0.105%
35	5.582	5.568	5.599	VV	31174	378310	4.06%	0.112%
36	5.626	5.599	5.660	VV	17084	391408	4.20%	0.116%

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37	5.673	5.660	5.680	VV	6547	61853	0.66%	0.018%
38	5.700	5.680	5.740	VV	116970	1641442	17	
39	5.751	5.740	5.761	VV	8647	95891	1	
40	5.780	5.761	5.814	VV	13930	306870	3	
41	5.834	5.814	5.847	VV	7984	118118	1	
42	5.894	5.847	5.919	VV	63416	1273920	13	
43	5.930	5.919	5.949	VV	44082	498198	5.35%	0.147%
44	5.963	5.949	5.976	VV	15600	196871	2.11%	0.058%
45	5.996	5.976	6.032	VV	132113	1929571	20.71%	0.569%
46	6.052	6.032	6.083	VV	111600	1285623	13.80%	0.379%
47	6.094	6.083	6.106	VV	15921	174828	1.88%	0.052%
48	6.118	6.106	6.128	VV	18840	204222	2.19%	0.060%
49	6.137	6.128	6.162	VV	18270	208022	2.23%	0.061%
50	6.188	6.162	6.207	VV	42494	488861	5.25%	0.144%
51	6.242	6.207	6.260	VV	47546	739898	7.94%	0.218%
52	6.270	6.260	6.287	VV	15757	200330	2.15%	0.059%
53	6.313	6.287	6.348	VV	73161	1039939	11.16%	0.307%
54	6.371	6.348	6.388	VV	41473	538500	5.78%	0.159%
55	6.420	6.388	6.446	VV	111737	1991945	21.38%	0.588%
56	6.462	6.446	6.487	VV	54837	871777	9.36%	0.257%
57	6.504	6.487	6.520	VV	96619	1113237	11.95%	0.329%
58	6.546	6.520	6.573	VV	80991	1472954	15.81%	0.435%
59	6.590	6.573	6.623	VV	37000	789634	8.47%	0.233%
60	6.653	6.623	6.670	VV	82336	1336750	14.35%	0.394%
61	6.676	6.670	6.697	VV	48801	564660	6.06%	0.167%
62	6.728	6.697	6.742	VV	50859	923837	9.91%	0.273%
63	6.751	6.742	6.783	VV	34153	565934	6.07%	0.167%
64	6.820	6.783	6.837	VV	58113	1109295	11.90%	0.327%
65	6.857	6.837	6.869	VV	49868	735465	7.89%	0.217%
66	6.882	6.869	6.901	VV	58278	777093	8.34%	0.229%
67	6.935	6.901	6.953	VV	73073	1366709	14.67%	0.403%
68	6.987	6.953	7.002	VV	54307	1033018	11.09%	0.305%
69	7.018	7.002	7.038	VV	98956	1189976	12.77%	0.351%
70	7.059	7.038	7.083	VV	61117	1015506	10.90%	0.300%
71	7.096	7.083	7.108	VV	36819	437480	4.69%	0.129%
72	7.141	7.108	7.161	VV	132162	1974332	21.19%	0.583%
73	7.182	7.161	7.199	VV	36070	701059	7.52%	0.207%
74	7.204	7.199	7.212	VV	27819	211238	2.27%	0.062%
75	7.228	7.212	7.239	VV	33908	488081	5.24%	0.144%
76	7.268	7.239	7.288	VV	79873	1616608	17.35%	0.477%
77	7.307	7.288	7.343	VV	120366	2296909	24.65%	0.678%
78	7.373	7.343	7.407	VV	98137	2407378	25.84%	0.710%
79	7.421	7.407	7.435	VV	48073	598003	6.42%	0.176%
80	7.457	7.435	7.493	VV	164166	3196262	34.30%	0.943%
81	7.510	7.493	7.541	VV	124379	2352017	25.24%	0.694%
82	7.556	7.541	7.571	VV	42236	666144	7.15%	0.197%
83	7.580	7.571	7.596	VV	39872	510600	5.48%	0.151%
84	7.613	7.596	7.628	VV	36481	590806	6.34%	0.174%
85	7.661	7.628	7.669	VV	88022	1390030	14.92%	0.410%
86	7.676	7.669	7.708	VV	79789	1391572	14.93%	0.411%
87	7.736	7.708	7.752	VV	82209	1684701	18.08%	0.497%
88	7.764	7.752	7.799	VV	71336	1360683	14.60%	0.402%
89	7.822	7.799	7.838	VV	36694	753117	8.08%	0.222%

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90	7.860	7.838	7.890	VV	106857	2106261	22.60%	0.622%
91	7.910	7.890	7.929	VV	92342	1414886	15	
92	7.998	7.929	8.042	VV	682261	9318038	100	
93	8.050	8.042	8.063	VV	44793	550970	5	
94	8.072	8.063	8.081	VV	40354	414499	4	
95	8.094	8.081	8.104	VV	46745	569537	6	
96	8.118	8.104	8.136	VV	56414	890273	9.55%	0.263%
97	8.154	8.136	8.171	VV	60117	1039767	11.16%	0.307%
98	8.186	8.171	8.193	VV	56491	701286	7.53%	0.207%
99	8.205	8.193	8.224	VV	59415	972365	10.44%	0.287%
100	8.278	8.224	8.304	VV	88672	3255771	34.94%	0.961%
101	8.318	8.304	8.332	VV	93070	1221088	13.10%	0.360%
102	8.339	8.332	8.346	VV	61228	482771	5.18%	0.142%
103	8.367	8.346	8.373	VV	250148	2621662	28.14%	0.774%
104	8.382	8.373	8.422	VV	277244	3878647	41.63%	1.145%
105	8.439	8.422	8.455	VV	50585	908006	9.74%	0.268%
106	8.489	8.455	8.503	VV	419843	5503038	59.06%	1.624%
107	8.516	8.503	8.536	VV	304981	3611896	38.76%	1.066%
108	8.550	8.536	8.569	VV	88692	1439217	15.45%	0.425%
109	8.600	8.569	8.619	VV	82100	1873817	20.11%	0.553%
110	8.653	8.619	8.702	VV	166038	4879706	52.37%	1.440%
111	8.723	8.702	8.743	VV	118073	1857038	19.93%	0.548%
112	8.763	8.743	8.773	VV	112253	1520395	16.32%	0.449%
113	8.783	8.773	8.799	VV	96610	1259605	13.52%	0.372%
114	8.811	8.799	8.826	VV	70203	979729	10.51%	0.289%
115	8.874	8.826	8.904	VV	372634	5701106	61.18%	1.682%
116	8.926	8.904	8.946	VV	62100	1373507	14.74%	0.405%
117	8.981	8.946	9.001	VV	71039	2088594	22.41%	0.616%
118	9.026	9.001	9.055	VV	96146	2212609	23.75%	0.653%
119	9.086	9.055	9.096	VV	94731	1922679	20.63%	0.567%
120	9.104	9.096	9.121	VV	94925	1234167	13.24%	0.364%
121	9.134	9.121	9.149	VV	87575	1202682	12.91%	0.355%
122	9.165	9.149	9.177	VV	68232	1034762	11.10%	0.305%
123	9.213	9.177	9.232	VV	233771	4011769	43.05%	1.184%
124	9.247	9.232	9.268	VV	112204	1759255	18.88%	0.519%
125	9.287	9.268	9.307	VV	105551	1917968	20.58%	0.566%
126	9.337	9.307	9.349	VV	112112	2175434	23.35%	0.642%
127	9.358	9.349	9.366	VV	87961	803422	8.62%	0.237%
128	9.383	9.366	9.401	VV	222304	2902671	31.15%	0.857%
129	9.425	9.401	9.500	VV	260707	5518342	59.22%	1.628%
130	9.540	9.500	9.557	VV	224294	3716266	39.88%	1.097%
131	9.572	9.557	9.606	VV	175224	2688080	28.85%	0.793%
132	9.620	9.606	9.632	VV	54475	777432	8.34%	0.229%
133	9.677	9.632	9.708	VV	220262	4923196	52.84%	1.453%
134	9.723	9.708	9.740	VV	64846	1121664	12.04%	0.331%
135	9.759	9.740	9.771	VV	86427	1272753	13.66%	0.376%
136	9.785	9.771	9.809	VV	107576	1737008	18.64%	0.513%
137	9.840	9.809	9.870	VV	219810	3986099	42.78%	1.176%
138	9.879	9.870	9.893	VV	65932	803424	8.62%	0.237%
139	9.911	9.893	9.926	VV	94981	1488998	15.98%	0.439%
140	9.941	9.926	9.951	VV	107797	1418279	15.22%	0.419%
141	9.965	9.951	9.989	VV	139304	2258124	24.23%	0.666%

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142	10.002	9.989	10.025	VV	77851	1474068	15.82%	0.435%
143	10.041	10.025	10.062	VV	97615	1666782	17	
144	10.085	10.062	10.107	VV	111879	2381247	25	
145	10.116	10.107	10.125	VV	90183	943191	10	
146	10.133	10.125	10.152	VV	89975	1267487	13	
147	10.182	10.152	10.227	VV	123248	3892156	41	
148	10.248	10.227	10.260	VV	64789	1172899	12.59%	0.346%
149	10.280	10.260	10.315	VV	85057	2137972	22.94%	0.631%
150	10.345	10.315	10.394	VV	123354	3341090	35.86%	0.986%
151	10.404	10.394	10.424	VV	43039	736708	7.91%	0.217%
152	10.449	10.424	10.463	VV	59331	1145080	12.29%	0.338%
153	10.470	10.463	10.479	VV	48818	455426	4.89%	0.134%
154	10.505	10.479	10.531	VV	135860	2409051	25.85%	0.711%
155	10.557	10.531	10.584	VV	100612	2222029	23.85%	0.656%
156	10.615	10.584	10.628	VV	144178	2524860	27.10%	0.745%
157	10.642	10.628	10.666	VV	148856	2401189	25.77%	0.709%
158	10.685	10.666	10.731	VV	188801	3659384	39.27%	1.080%
159	10.759	10.731	10.769	VV	134224	2141841	22.99%	0.632%
160	10.776	10.769	10.800	VV	121491	1857018	19.93%	0.548%
161	10.823	10.800	10.847	VV	126026	2642627	28.36%	0.780%
162	10.861	10.847	10.874	VV	86300	1265668	13.58%	0.374%
163	10.893	10.874	10.913	VV	90393	1882081	20.20%	0.555%
164	10.931	10.913	10.949	VV	119137	1881323	20.19%	0.555%
165	10.982	10.949	11.006	VV	167965	3631527	38.97%	1.072%
166	11.019	11.006	11.026	VV	68977	790621	8.48%	0.233%
167	11.040	11.026	11.055	VV	73171	1190237	12.77%	0.351%
168	11.066	11.055	11.085	VV	71363	1089212	11.69%	0.321%
169	11.125	11.085	11.142	VV	79110	2254397	24.19%	0.665%
170	11.168	11.142	11.226	VV	118441	3624086	38.89%	1.069%
171	11.245	11.226	11.281	VV	83833	2126927	22.83%	0.628%
172	11.303	11.281	11.324	VV	58289	1253379	13.45%	0.370%
173	11.346	11.324	11.364	VV	62701	1310413	14.06%	0.387%
174	11.381	11.364	11.400	VV	64914	1220403	13.10%	0.360%
175	11.421	11.400	11.428	VV	55760	882625	9.47%	0.260%
176	11.442	11.428	11.452	VV	60270	849571	9.12%	0.251%
177	11.475	11.452	11.497	VV	106925	2078131	22.30%	0.613%
178	11.526	11.497	11.547	VV	86768	2186821	23.47%	0.645%
179	11.563	11.547	11.624	VV	88989	3248583	34.86%	0.959%
180	11.644	11.624	11.675	VV	89842	2371186	25.45%	0.700%
181	11.696	11.675	11.731	VV	107782	2651630	28.46%	0.783%
182	11.762	11.731	11.786	VV	82052	1971170	21.15%	0.582%
183	11.823	11.786	11.844	VV	99229	2415424	25.92%	0.713%
184	11.858	11.844	11.889	VV	65848	1466850	15.74%	0.433%
185	11.936	11.889	11.957	VV	405698	6034098	64.76%	1.781%
186	11.971	11.957	11.986	VV	102292	1500011	16.10%	0.443%
187	12.002	11.986	12.039	VV	121166	2204321	23.66%	0.650%
188	12.071	12.039	12.099	VV	61786	1956696	21.00%	0.577%
189	12.120	12.099	12.136	VV	99964	1665427	17.87%	0.491%
190	12.154	12.136	12.201	VV	94426	2430984	26.09%	0.717%
191	12.222	12.201	12.238	VV	53352	1033944	11.10%	0.305%
192	12.266	12.238	12.291	VV	73403	1823998	19.57%	0.538%
193	12.309	12.291	12.324	VV	68869	1154309	12.39%	0.341%
194	12.338	12.324	12.361	VV	57622	1121758	12.04%	0.331%

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195	12.373	12.361	12.390	VV	57890	871105	9.35%	0.257%
196	12.409	12.390	12.435	VV	48639	1194589	12	
197	12.443	12.435	12.454	VV	42944	467377	5	
198	12.472	12.454	12.487	VV	60450	1010460	10	
199	12.507	12.487	12.517	VV	72441	1111839	11	
200	12.533	12.517	12.559	VV	102464	1674844	17	
201	12.587	12.559	12.605	VV	50254	1122948	12.05%	0.331%
202	12.621	12.605	12.633	VV	47264	706455	7.58%	0.208%
203	12.651	12.633	12.685	VV	55697	1455294	15.62%	0.429%
204	12.718	12.685	12.741	VV	57351	1516068	16.27%	0.447%
205	12.762	12.741	12.774	VV	84295	1268278	13.61%	0.374%
206	12.778	12.774	12.803	VV	70414	913054	9.80%	0.269%
207	12.873	12.803	12.892	VV	118350	3142042	33.72%	0.927%
208	12.909	12.892	12.924	VV	76306	1219201	13.08%	0.360%
209	12.937	12.924	12.966	VV	66531	1203351	12.91%	0.355%
210	12.989	12.966	13.003	VV	62081	1064594	11.43%	0.314%
211	13.007	13.003	13.031	VV	47835	634825	6.81%	0.187%
212	13.041	13.031	13.055	VV	28544	393524	4.22%	0.116%
213	13.114	13.055	13.162	VV	47320	1996672	21.43%	0.589%
214	13.180	13.162	13.197	VV	34752	640423	6.87%	0.189%
215	13.207	13.197	13.213	VV	30269	275745	2.96%	0.081%
216	13.238	13.213	13.261	VV	37491	907280	9.74%	0.268%
217	13.286	13.261	13.334	VV	63311	1552452	16.66%	0.458%
218	13.372	13.334	13.404	VV	80030	1832936	19.67%	0.541%
219	13.423	13.404	13.446	VV	40231	879010	9.43%	0.259%
220	13.463	13.446	13.484	VV	34177	712133	7.64%	0.210%
221	13.494	13.484	13.531	VV	29345	643181	6.90%	0.190%
222	13.573	13.531	13.599	VV	48922	1433294	15.38%	0.423%
223	13.619	13.599	13.664	VV	71714	1456270	15.63%	0.430%
224	13.683	13.664	13.697	VV	39332	592288	6.36%	0.175%
225	13.715	13.697	13.739	VV	43651	812716	8.72%	0.240%
226	13.763	13.739	13.782	VV	46448	825758	8.86%	0.244%
227	13.791	13.782	13.816	VV	25592	459741	4.93%	0.136%
228	13.838	13.816	13.854	VV	25066	498084	5.35%	0.147%
229	13.875	13.854	13.904	VV	31821	728529	7.82%	0.215%
230	13.920	13.904	13.941	VV	20760	386457	4.15%	0.114%
231	13.949	13.941	13.964	VV	13859	165048	1.77%	0.049%
232	13.990	13.964	14.004	VV	23110	436879	4.69%	0.129%
233	14.025	14.004	14.043	VV	32217	571523	6.13%	0.169%
234	14.060	14.043	14.099	VV	28431	758440	8.14%	0.224%
235	14.104	14.099	14.121	VV	15006	176661	1.90%	0.052%
236	14.153	14.121	14.180	VV	38845	859605	9.23%	0.254%
237	14.196	14.180	14.215	VV	27154	416593	4.47%	0.123%
238	14.234	14.215	14.242	VV	15644	227257	2.44%	0.067%
239	14.254	14.242	14.281	VV	15841	320861	3.44%	0.095%
240	14.284	14.281	14.308	VV	11355	148441	1.59%	0.044%
241	14.332	14.308	14.341	VV	16396	242243	2.60%	0.071%
242	14.347	14.341	14.379	VV	15387	275934	2.96%	0.081%
243	14.386	14.379	14.407	VV	9666	141581	1.52%	0.042%
244	14.430	14.407	14.454	VV	12909	293085	3.15%	0.086%
245	14.494	14.454	14.525	VV	24272	560426	6.01%	0.165%
246	14.546	14.525	14.557	VV	9798	175728	1.89%	0.052%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	14.594	14.557	14.635	VV	16199	616095	6.61%	0.182%
248	14.642	14.635	14.660	VV	9263	121153		
249	14.715	14.660	14.767	VV	18852	790492		
250	14.819	14.767	14.838	VV	20537	585234		
251	14.857	14.838	14.875	VV	19568	301033		
252	14.888	14.875	14.923	VV	12256	247734		
253	14.943	14.923	14.958	VV	7802	139370	1.50%	0.041%
254	14.978	14.958	15.001	VV	16269	291063	3.12%	0.086%
255	15.018	15.001	15.042	VV	12824	222261	2.39%	0.066%
256	15.052	15.042	15.073	VV	6768	98862	1.06%	0.029%
257	15.113	15.073	15.119	VV	5711	129767	1.39%	0.038%
258	15.123	15.119	15.135	VV	5573	51295	0.55%	0.015%
259	15.169	15.135	15.196	VV	8875	236400	2.54%	0.070%
260	15.213	15.196	15.233	VV	12004	188287	2.02%	0.056%
261	15.256	15.233	15.286	VV	9128	198310	2.13%	0.059%
262	15.321	15.286	15.338	VV	11598	261209	2.80%	0.077%
263	15.364	15.338	15.369	VV	12145	194699	2.09%	0.057%
264	15.375	15.369	15.402	VV	12067	198048	2.13%	0.058%
265	15.409	15.402	15.435	VV	8170	125763	1.35%	0.037%
266	15.477	15.435	15.520	VV	16578	406506	4.36%	0.120%
267	15.527	15.520	15.536	VV	4103	33259	0.36%	0.010%
268	15.565	15.536	15.571	VV	4299	79345	0.85%	0.023%
269	15.609	15.571	15.625	VV	13033	274816	2.95%	0.081%
270	15.629	15.625	15.649	VV	10953	137942	1.48%	0.041%
271	15.654	15.649	15.674	VV	6689	86746	0.93%	0.026%
272	15.683	15.674	15.701	VV	7883	87099	0.93%	0.026%
273	15.741	15.701	15.747	VV	4698	82222	0.88%	0.024%
274	15.762	15.747	15.783	VV	8394	126770	1.36%	0.037%
275	15.797	15.783	15.815	VV	5503	83682	0.90%	0.025%
276	15.845	15.815	15.867	VV	21038	319640	3.43%	0.094%
277	15.882	15.867	15.918	VV	11329	187984	2.02%	0.055%
278	15.962	15.918	15.969	VV	7607	146770	1.58%	0.043%
279	15.974	15.969	15.981	VV	6922	46086	0.49%	0.014%
280	16.010	15.981	16.036	VV	11728	284237	3.05%	0.084%
281	16.041	16.036	16.058	VV	5181	62195	0.67%	0.018%
282	16.075	16.058	16.094	VV	5817	96090	1.03%	0.028%
283	16.142	16.094	16.163	VV	5908	181991	1.95%	0.054%
284	16.176	16.163	16.189	VV	5731	74270	0.80%	0.022%
285	16.208	16.189	16.222	VV	6437	108036	1.16%	0.032%
286	16.232	16.222	16.239	VV	5049	45260	0.49%	0.013%
287	16.278	16.239	16.306	VV	6920	200765	2.15%	0.059%
288	16.316	16.306	16.336	VV	4093	60022	0.64%	0.018%
289	16.354	16.336	16.397	VV	6082	118575	1.27%	0.035%
290	16.444	16.397	16.472	PV	11449	264181	2.84%	0.078%
291	16.483	16.472	16.507	VV	7012	112819	1.21%	0.033%
292	16.544	16.507	16.572	VV	8595	241747	2.59%	0.071%
293	16.594	16.572	16.611	VV	7080	125180	1.34%	0.037%
294	16.648	16.611	16.679	VV	12467	283516	3.04%	0.084%
295	16.701	16.679	16.705	VV	4408	47110	0.51%	0.014%
296	16.734	16.705	16.778	VV	11914	272486	2.92%	0.080%
297	16.783	16.778	16.799	VV	3589	36536	0.39%	0.011%
298	16.825	16.799	16.842	VV	4547	88808	0.95%	0.026%
299	16.868	16.842	16.893	VV	7428	161646	1.73%	0.048%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	16.920	16.893	16.937	VV	4945	107932	1.16%	0.032%
301	16.957	16.937	16.982	VV	5411	100803	1	
302	17.018	16.982	17.036	VV	7794	167642	1	
303	17.053	17.036	17.086	VV	11291	208220	2	
304	17.116	17.086	17.142	VV	6651	162624	1	
305	17.158	17.142	17.192	VV	5487	132721	1	
306	17.214	17.192	17.227	VV	7057	129348	1.39%	0.038%
307	17.229	17.227	17.239	VV	6757	43604	0.47%	0.013%
308	17.250	17.239	17.279	VV	7507	137535	1.48%	0.041%
309	17.292	17.279	17.304	VV	4851	60467	0.65%	0.018%
310	17.308	17.304	17.316	VV	3869	24793	0.27%	0.007%
311	17.323	17.316	17.331	VV	4209	35552	0.38%	0.010%
312	17.336	17.331	17.339	VV	4020	19221	0.21%	0.006%
313	17.347	17.339	17.350	VV	4151	25114	0.27%	0.007%
314	17.356	17.350	17.361	VV	4274	25953	0.28%	0.008%
315	17.366	17.361	17.383	VV	4177	39047	0.42%	0.012%
316	17.394	17.383	17.402	VV	3470	31335	0.34%	0.009%
317	17.430	17.402	17.435	VV	4580	70423	0.76%	0.021%
318	17.448	17.435	17.467	VV	5820	96158	1.03%	0.028%
319	17.477	17.467	17.495	VV	5269	70293	0.75%	0.021%
320	17.518	17.495	17.545	VV	5429	120527	1.29%	0.036%
321	17.556	17.545	17.571	VV	4034	51883	0.56%	0.015%
322	17.576	17.571	17.583	VV	3413	23415	0.25%	0.007%
323	17.613	17.583	17.626	VV	9843	174343	1.87%	0.051%
324	17.641	17.626	17.671	VV	8091	141139	1.51%	0.042%
325	17.700	17.671	17.707	VV	4021	71874	0.77%	0.021%
326	17.715	17.707	17.721	VV	4841	33778	0.36%	0.010%
327	17.727	17.721	17.739	VV	4093	39064	0.42%	0.012%
328	17.744	17.739	17.751	VV	4060	24429	0.26%	0.007%
329	17.776	17.751	17.801	VV	6120	136245	1.46%	0.040%
330	17.829	17.801	17.861	VV	6870	141242	1.52%	0.042%
331	17.885	17.861	17.909	VV	3098	65235	0.70%	0.019%
332	17.927	17.909	17.944	VV	2760	40046	0.43%	0.012%
333	17.963	17.944	18.008	VV	3313	95069	1.02%	0.028%
334	18.029	18.008	18.044	VV	2667	51835	0.56%	0.015%
335	18.092	18.044	18.118	VV	6635	157507	1.69%	0.046%
336	18.155	18.118	18.167	VV	4604	99708	1.07%	0.029%
337	18.175	18.167	18.199	VV	4320	58245	0.63%	0.017%
338	18.238	18.199	18.259	VV	5087	129912	1.39%	0.038%
339	18.277	18.259	18.315	VV	7205	139606	1.50%	0.041%
340	18.339	18.315	18.359	VV	5878	98482	1.06%	0.029%
341	18.378	18.359	18.414	VV	4221	98273	1.05%	0.029%
342	18.455	18.414	18.469	VV	5378	115027	1.23%	0.034%
343	18.489	18.469	18.537	VV	5920	141199	1.52%	0.042%
344	18.558	18.537	18.587	VV	2906	51391	0.55%	0.015%
345	18.607	18.587	18.639	PV	5761	86987	0.93%	0.026%
346	18.659	18.639	18.678	VV	3492	47690	0.51%	0.014%
347	18.693	18.678	18.711	VV	2138	23424	0.25%	0.007%
348	18.742	18.711	18.801	VBA	5213	107810	1.16%	0.032%

Sum of corrected areas: 338866098

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-12DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-11DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052314.D	20	02/06/25	02/10/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		74.9		8.53	22.4	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		211		5.39	15.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		117		6.73	22.4	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		15.0	J	18.0	29.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		27.8	J	40.4	44.9	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		1.89		40 - 140	76%	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:	Q1308-11DL	Acq On:	10 Feb 2025 12:00
Client Sample ID:	EX-11-TPH-12DL	Operator:	YP\AJ
Data file:	FE052314.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	4814926	50.059	300	ug/ml
Aliphatic C12-C16	7.241	10.644	14803398	141.37	200	ug/ml
Aliphatic C16-C21	10.645	13.990	8877872	78.55	300	ug/ml
Aliphatic C21-C28	13.991	17.632	1143650	10.032	400	ug/ml
Aliphatic C28-C40	17.633	22.724	1703415	18.606	600	ug/ml
Aliphatic EPH	3.682	22.724	31343261	298.616		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.729	13.729	186337	1.89		ug/ml
Aliphatic C9-C28	3.682	17.632	29639846	280.011	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052314.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 12:00
Operator : YP\AJ
Sample : Q1308-11DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 11 03:57:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
ClientSampleId :
EX-11-TPH-12DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.729	186337	1.888 ug/mlm
Spiked Amount 50.000		Recovery =	3.78%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052314.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 12:00
Operator : YP\AJ
Sample : Q1308-11DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

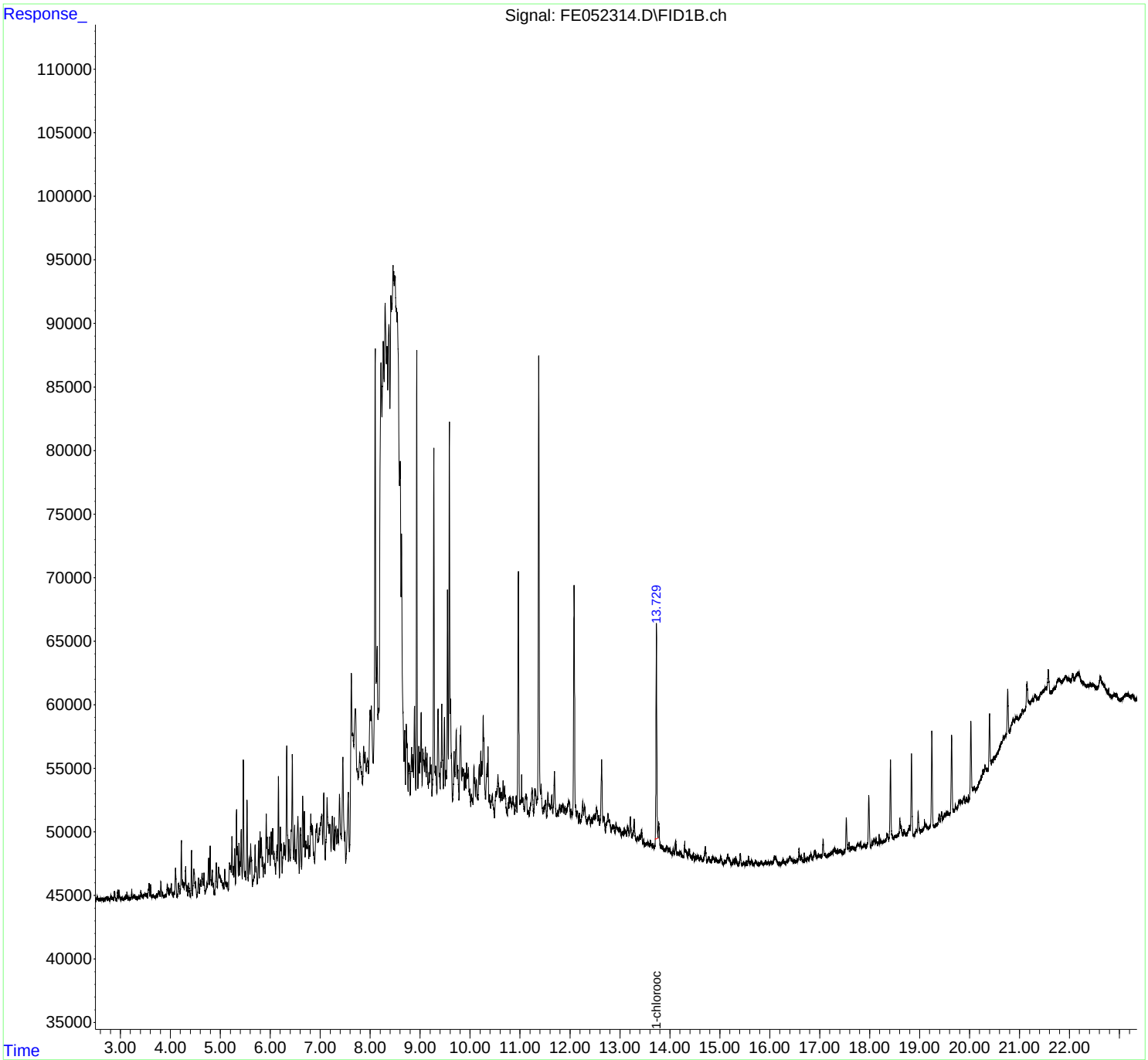
Integration File: autoint1.e
Quant Time: Feb 11 03:57:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

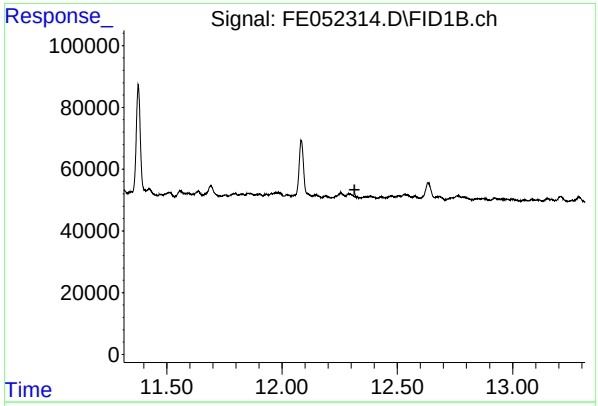
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-12DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025





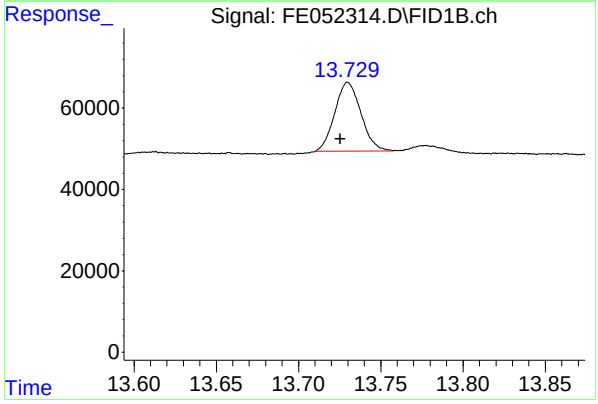
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.314 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-12DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.729 min
Delta R.T.: 0.004 min
Response: 186337
Conc: 1.89 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-12DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02102
Data File : FE052314.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 12:00
Sample : Q1308-11DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.263	4.254	4.278	VV	1126	12549	1.15%	0.040%
2	4.305	4.278	4.323	VV	2365	34607	3.18%	0.110%
3	4.333	4.323	4.350	VV	892	8944	0.82%	0.029%
4	4.368	4.350	4.404	VV	1061	14556	1.34%	0.046%
5	4.423	4.404	4.443	VV	3626	34819	3.20%	0.111%
6	4.470	4.443	4.532	VV	2060	53836	4.95%	0.172%
7	4.562	4.532	4.581	PV	1419	19815	1.82%	0.063%
8	4.601	4.581	4.613	VV	1188	16149	1.48%	0.052%
9	4.635	4.613	4.659	VV	1790	34564	3.18%	0.110%
10	4.674	4.659	4.694	VV	1794	21963	2.02%	0.070%
11	4.731	4.694	4.741	VV	1015	16272	1.50%	0.052%
12	4.766	4.741	4.780	VV	3027	40495	3.72%	0.129%
13	4.797	4.780	4.824	VV	3857	53223	4.89%	0.170%
14	4.840	4.824	4.888	VV	1967	33049	3.04%	0.105%
15	4.920	4.888	4.939	VV	2558	40577	3.73%	0.129%
16	4.965	4.939	4.983	VV	2190	40092	3.69%	0.128%
17	4.993	4.983	5.050	VV	1547	46320	4.26%	0.148%
18	5.061	5.050	5.074	VV	956	10647	0.98%	0.034%
19	5.090	5.074	5.121	VV	2006	32650	3.00%	0.104%
20	5.137	5.121	5.158	VV	875	15757	1.45%	0.050%
21	5.186	5.158	5.217	VV	2486	62392	5.74%	0.199%
22	5.233	5.217	5.251	VV	4555	58568	5.38%	0.187%
23	5.262	5.251	5.273	VV	2169	24393	2.24%	0.078%
24	5.287	5.273	5.305	VV	3600	42040	3.87%	0.134%
25	5.324	5.305	5.361	VV	6559	114286	10.51%	0.365%
26	5.375	5.361	5.388	VV	3988	43586	4.01%	0.139%
27	5.417	5.388	5.438	VV	5087	83444	7.67%	0.266%
28	5.462	5.438	5.489	VV	10538	138978	12.78%	0.443%
29	5.499	5.489	5.511	VV	1765	19892	1.83%	0.063%
30	5.536	5.511	5.556	VV	7292	95216	8.75%	0.304%
31	5.578	5.556	5.593	VV	2802	45605	4.19%	0.146%
32	5.609	5.593	5.644	VV	3852	72001	6.62%	0.230%
33	5.697	5.644	5.740	VV	3769	96192	8.84%	0.307%
34	5.767	5.740	5.780	VV	4073	52501	4.83%	0.168%
35	5.797	5.780	5.809	VV	4709	57913	5.32%	0.185%
36	5.821	5.809	5.838	VV	4294	57156	5.25%	0.182%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-12DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

rteres

37	5.846	5.838	5.860	VV	2785	29491	2.71%	0.094%
38	5.884	5.860	5.897	VV	2268	42835		
39	5.920	5.897	5.932	VV	6075	81869		
40	5.939	5.932	5.952	VV	4300	41677		
41	5.963	5.952	5.970	VV	3376	32496		
42	5.983	5.970	5.999	VV	4356	59574		
43	6.019	5.999	6.033	VV	4722	75442	6.94%	0.241%
44	6.050	6.033	6.068	VV	4925	81726	7.51%	0.261%
45	6.077	6.068	6.107	VV	3144	55465	5.10%	0.177%
46	6.164	6.147	6.185	VV	9087	110228	10.13%	0.352%
47	6.203	6.185	6.215	VV	5031	61959	5.70%	0.198%
48	6.222	6.215	6.239	VV	3717	39976	3.68%	0.128%
49	6.271	6.239	6.282	VV	3816	73923	6.80%	0.236%
50	6.291	6.282	6.304	VV	3574	42268	3.89%	0.135%
51	6.330	6.304	6.364	VV	11458	196924	18.10%	0.628%
52	6.378	6.364	6.398	VV	4052	64706	5.95%	0.206%
53	6.442	6.398	6.470	VV	10643	216634	19.92%	0.691%
54	6.488	6.470	6.502	VV	5101	69039	6.35%	0.220%
55	6.512	6.502	6.523	VV	3213	35758	3.29%	0.114%
56	6.554	6.523	6.581	VV	5808	133091	12.24%	0.425%
57	6.602	6.581	6.628	VV	4873	92849	8.54%	0.296%
58	6.650	6.628	6.670	VV	7333	121297	11.15%	0.387%
59	6.683	6.670	6.700	VV	6190	80209	7.37%	0.256%
60	6.712	6.700	6.741	VV	3822	85134	7.83%	0.272%
61	6.756	6.741	6.772	VV	4299	68144	6.27%	0.217%
62	6.784	6.772	6.793	VV	3502	37642	3.46%	0.120%
63	6.811	6.793	6.837	VV	5305	117889	10.84%	0.376%
64	6.847	6.837	6.888	VV	5036	106942	9.83%	0.341%
65	6.933	6.888	6.964	VV	5171	183033	16.83%	0.584%
66	6.981	6.964	6.990	VV	4823	68168	6.27%	0.217%
67	7.031	6.990	7.050	VV	5940	184144	16.93%	0.588%
68	7.072	7.050	7.101	VV	7600	149932	13.78%	0.478%
69	7.139	7.101	7.178	VV	7102	224339	20.63%	0.716%
70	7.193	7.178	7.218	VV	5065	105076	9.66%	0.335%
71	7.243	7.218	7.266	VV	5745	130237	11.97%	0.416%
72	7.281	7.266	7.293	VV	5600	65495	6.02%	0.209%
73	7.313	7.293	7.331	VV	4862	96839	8.90%	0.309%
74	7.347	7.331	7.363	VV	4681	79455	7.30%	0.254%
75	7.388	7.363	7.424	VV	7391	191506	17.61%	0.611%
76	7.454	7.424	7.512	VV	10320	295300	27.15%	0.942%
77	7.563	7.512	7.587	VV	7358	200464	18.43%	0.640%
78	7.625	7.587	7.671	VV	16851	550207	50.58%	1.755%
79	7.702	7.671	7.758	VV	14023	600251	55.19%	1.915%
80	7.792	7.758	7.847	VV	10565	496299	45.63%	1.583%
81	7.872	7.847	7.887	VV	11050	237702	21.85%	0.758%
82	7.900	7.887	7.918	VV	10626	181828	16.72%	0.580%
83	7.944	7.918	7.968	VV	10005	290684	26.72%	0.927%
84	8.101	8.061	8.121	VV	42223	754191	69.34%	2.406%
85	8.140	8.121	8.172	VV	18918	474562	43.63%	1.514%
86	8.376	8.353	8.397	VV	44101	1087700	100.00%	3.470%
87	8.601	8.588	8.619	VV	33322	571668	52.56%	1.824%
88	8.629	8.619	8.678	VV	27641	610794	56.15%	1.949%
89	8.691	8.678	8.707	VV	12162	179990	16.55%	0.574%

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rteres

90	8.725	8.707	8.759	VV	12577	326116	29.98%	1.040%
91	8.856	8.844	8.869	VV	10219	142565	13	
92	8.887	8.869	8.913	VV	13948	278947	25	
93	8.976	8.958	8.990	VV	10808	182660	16	
94	9.002	8.990	9.007	VV	10371	102723	9	
95	9.021	9.007	9.042	VV	13508	224803	20	
96	9.106	9.090	9.120	VV	10773	176964	16.27%	0.565%
97	9.201	9.187	9.214	VV	9828	144962	13.33%	0.462%
98	9.224	9.214	9.240	VV	9303	131917	12.13%	0.421%
99	9.314	9.304	9.335	VV	9186	155164	14.27%	0.495%
100	9.360	9.335	9.401	VV	13560	393536	36.18%	1.256%
101	9.435	9.401	9.466	VV	13929	383732	35.28%	1.224%
102	9.488	9.466	9.505	VV	13044	237747	21.86%	0.759%
103	9.587	9.567	9.649	VV	35907	741880	68.21%	2.367%
104	9.681	9.649	9.696	VV	10271	230642	21.20%	0.736%
105	9.723	9.696	9.740	VV	11889	261333	24.03%	0.834%
106	9.813	9.779	9.833	VV	12273	314831	28.94%	1.004%
107	9.847	9.833	9.859	VV	8860	132038	12.14%	0.421%
108	9.869	9.859	9.885	VV	8812	133260	12.25%	0.425%
109	9.899	9.885	9.915	VV	8499	141597	13.02%	0.452%
110	9.932	9.915	9.957	VV	9281	208398	19.16%	0.665%
111	9.968	9.957	9.988	VV	8903	149816	13.77%	0.478%
112	9.998	9.988	10.014	VV	7226	105531	9.70%	0.337%
113	10.027	10.014	10.059	VV	6838	176405	16.22%	0.563%
114	10.078	10.059	10.109	VV	9048	231459	21.28%	0.738%
115	10.127	10.109	10.158	VV	7929	208782	19.19%	0.666%
116	10.183	10.158	10.199	VV	9123	197385	18.15%	0.630%
117	10.216	10.199	10.228	VV	10250	155888	14.33%	0.497%
118	10.238	10.228	10.247	VV	9343	101545	9.34%	0.324%
119	10.264	10.247	10.310	VV	12963	361820	33.26%	1.154%
120	10.341	10.310	10.350	VV	9159	188341	17.32%	0.601%
121	10.361	10.350	10.379	VV	10490	151100	13.89%	0.482%
122	10.446	10.413	10.488	VV	6733	268199	24.66%	0.856%
123	10.516	10.488	10.526	VV	6969	139013	12.78%	0.444%
124	10.597	10.587	10.609	VV	7182	90348	8.31%	0.288%
125	10.624	10.609	10.644	VV	6818	136779	12.58%	0.436%
126	10.663	10.644	10.677	VV	7760	139881	12.86%	0.446%
127	10.791	10.747	10.801	VV	6488	192079	17.66%	0.613%
128	10.810	10.801	10.834	VV	6314	118862	10.93%	0.379%
129	10.924	10.893	10.940	VV	6472	163192	15.00%	0.521%
130	10.968	10.940	11.000	VV	24063	432091	39.73%	1.379%
131	11.032	11.000	11.046	VV	7252	173650	15.96%	0.554%
132	11.057	11.046	11.088	VV	6250	149563	13.75%	0.477%
133	11.164	11.152	11.186	VV	5363	106095	9.75%	0.338%
134	11.242	11.186	11.274	VV	6983	312889	28.77%	0.998%
135	11.296	11.274	11.305	VV	6911	115468	10.62%	0.368%
136	11.314	11.305	11.331	VV	6798	99084	9.11%	0.316%
137	11.377	11.331	11.411	VV	40749	711711	65.43%	2.271%
138	11.423	11.411	11.459	VV	7184	174725	16.06%	0.557%
139	11.511	11.459	11.534	VV	6056	246175	22.63%	0.785%
140	11.636	11.611	11.656	VV	6387	155041	14.25%	0.495%
141	11.691	11.656	11.738	VV	8277	294669	27.09%	0.940%

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142	11.754	11.738	11.768	VV	5216	91361	8.40%	0.291%
143	11.827	11.811	11.839	VV	5553	88438	8	
144	11.858	11.839	11.884	VV	5612	146852	13	
145	11.902	11.884	11.917	VV	5464	102102	9	
146	11.931	11.917	11.941	VV	5357	73282	6	
147	11.975	11.941	12.009	VV	5890	226556	20	
148	12.022	12.009	12.039	VV	5185	88703	8.16%	0.283%
149	12.084	12.039	12.130	VV	22732	499748	45.95%	1.594%
150	12.144	12.130	12.173	VV	5062	123101	11.32%	0.393%
151	12.190	12.173	12.213	VV	4777	106300	9.77%	0.339%
152	12.255	12.213	12.274	VV	5805	180480	16.59%	0.576%
153	12.291	12.274	12.343	VV	5419	196937	18.11%	0.628%
154	12.385	12.343	12.411	VV	4651	178859	16.44%	0.571%
155	12.431	12.411	12.445	VV	4470	84753	7.79%	0.270%
156	12.475	12.445	12.490	VV	4639	118103	10.86%	0.377%
157	12.505	12.490	12.515	VV	4766	69936	6.43%	0.223%
158	12.532	12.515	12.563	VV	5106	139390	12.82%	0.445%
159	12.577	12.563	12.597	VV	4594	85818	7.89%	0.274%
160	12.634	12.597	12.662	VV	8976	230881	21.23%	0.737%
161	12.682	12.662	12.710	VV	4450	117132	10.77%	0.374%
162	12.762	12.710	12.779	VV	4710	172119	15.82%	0.549%
163	12.786	12.779	12.822	VV	4227	101064	9.29%	0.322%
164	12.851	12.822	12.862	VV	3747	85530	7.86%	0.273%
165	12.872	12.862	12.904	VV	3810	91390	8.40%	0.292%
166	12.924	12.904	12.968	VV	3929	137558	12.65%	0.439%
167	12.977	12.968	12.988	VV	3537	40025	3.68%	0.128%
168	12.999	12.988	13.033	VV	3507	89386	8.22%	0.285%
169	13.052	13.033	13.068	VV	3232	65068	5.98%	0.208%
170	13.085	13.068	13.129	VV	3492	118843	10.93%	0.379%
171	13.152	13.129	13.184	VV	3698	109594	10.08%	0.350%
172	13.208	13.184	13.242	VV	4354	120130	11.04%	0.383%
173	13.287	13.242	13.338	VV	4133	178583	16.42%	0.570%
174	13.355	13.338	13.371	VV	2754	54125	4.98%	0.173%
175	13.394	13.371	13.411	VV	2882	65038	5.98%	0.208%
176	13.432	13.411	13.463	VV	3340	88138	8.10%	0.281%
177	13.476	13.463	13.506	VV	2522	58008	5.33%	0.185%
178	13.529	13.506	13.539	VV	2255	41946	3.86%	0.134%
179	13.561	13.539	13.579	VV	2315	53367	4.91%	0.170%
180	13.587	13.579	13.596	VV	2162	22025	2.02%	0.070%
181	13.611	13.596	13.694	VV	2369	119650	11.00%	0.382%
182	13.730	13.694	13.760	VV	19349	283500	26.06%	0.905%
183	13.777	13.760	13.815	VV	3899	93977	8.64%	0.300%
184	13.823	13.815	13.899	VV	1993	90613	8.33%	0.289%
185	13.938	13.899	13.961	VV	1911	64288	5.91%	0.205%
186	13.992	13.961	14.047	VV	1676	76952	7.07%	0.246%
187	14.065	14.047	14.088	VV	1645	35310	3.25%	0.113%
188	14.115	14.088	14.143	VV	2289	55833	5.13%	0.178%
189	14.163	14.143	14.188	VV	1402	34830	3.20%	0.111%
190	14.208	14.188	14.274	VV	1392	62225	5.72%	0.199%
191	14.297	14.274	14.360	VV	2242	73337	6.74%	0.234%
192	14.385	14.360	14.421	VV	1612	45855	4.22%	0.146%
193	14.427	14.421	14.447	VV	1047	14754	1.36%	0.047%
194	14.472	14.447	14.497	VV	1267	29185	2.68%	0.093%

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rteres

195	14.516	14.497	14.529	VV	1099	17981	1.65%	0.057%
196	14.560	14.529	14.596	VV	988	35483	3	
197	14.621	14.596	14.651	VV	945	26749	2	
198	14.655	14.651	14.664	VV	684	5303	0	
199	14.709	14.664	14.741	VV	1638	46469	4	
200	14.774	14.741	14.827	VV	896	34484	3	
201	14.853	14.827	14.904	VV	866	32421	2.98%	0.103%
202	14.923	14.904	14.995	VV	732	30676	2.82%	0.098%
203	15.018	14.995	15.071	VV	888	25209	2.32%	0.080%
204	15.158	15.071	15.224	VV	992	49953	4.59%	0.159%
205	15.268	15.224	15.301	VV	455	16570	1.52%	0.053%
206	15.319	15.301	15.378	VV	754	16806	1.55%	0.054%
207	15.409	15.378	15.451	VV	997	18349	1.69%	0.059%
208	15.473	15.451	15.513	VV	379	8717	0.80%	0.028%
209	15.530	15.513	15.550	VV	368	5304	0.49%	0.017%
210	15.571	15.550	15.612	VV	751	14080	1.29%	0.045%
211	15.631	15.612	15.684	VV	412	10235	0.94%	0.033%
212	15.710	15.684	15.754	VV	425	9815	0.90%	0.031%
213	15.821	15.754	15.876	VV	249	10495	0.96%	0.033%
214	15.911	15.876	15.954	VV	316	8880	0.82%	0.028%
215	15.974	15.954	15.997	VV	261	4168	0.38%	0.013%
216	16.013	15.997	16.020	VV	214	2205	0.20%	0.007%
217	16.035	16.020	16.048	VV	250	3195	0.29%	0.010%
218	16.089	16.048	16.101	VV	615	10907	1.00%	0.035%
219	16.114	16.101	16.169	VV	655	14708	1.35%	0.047%
220	16.180	16.169	16.217	VV	166	2280	0.21%	0.007%
221	16.268	16.217	16.317	PV	419	8292	0.76%	0.026%
222	16.347	16.317	16.364	VV	313	4899	0.45%	0.016%
223	16.403	16.364	16.491	VV	576	20995	1.93%	0.067%
224	16.503	16.491	16.538	VV	169	3636	0.33%	0.012%
225	16.586	16.538	16.610	VV	1090	19084	1.75%	0.061%
226	16.633	16.610	16.667	VV	496	9587	0.88%	0.031%
227	16.688	16.667	16.724	PV	363	4010	0.37%	0.013%
228	16.754	16.724	16.784	VV	304	6303	0.58%	0.020%
229	16.823	16.784	16.848	VV	487	12354	1.14%	0.039%
230	16.904	16.848	16.942	VV	705	20109	1.85%	0.064%
231	16.977	16.942	16.996	VV	357	7475	0.69%	0.024%
232	17.066	16.996	17.144	VV	1434	30738	2.83%	0.098%
233	17.153	17.144	17.157	VV	131	796	0.07%	0.003%
234	17.174	17.157	17.201	VV	128	3246	0.30%	0.010%
235	17.250	17.201	17.263	VV	357	9205	0.85%	0.029%
236	17.294	17.263	17.331	VV	607	15843	1.46%	0.051%
237	17.359	17.331	17.371	VV	340	5902	0.54%	0.019%
238	17.414	17.371	17.432	VV	302	8991	0.83%	0.029%
239	17.442	17.432	17.468	VV	251	2558	0.24%	0.008%
240	17.531	17.468	17.565	PV	2740	43433	3.99%	0.139%
241	17.584	17.565	17.606	VV	742	11811	1.09%	0.038%
242	17.625	17.606	17.638	VV	391	4660	0.43%	0.015%
243	17.657	17.638	17.716	VV	362	10660	0.98%	0.034%
244	17.761	17.716	17.801	VV	556	18571	1.71%	0.059%
245	17.820	17.801	17.844	VV	628	9107	0.84%	0.029%
246	17.881	17.844	17.898	VV	295	7430	0.68%	0.024%

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247	17.911	17.898	17.938	VV	249	4379	0.40%	0.014%
248	17.981	17.938	18.014	VV	4128	63004	5	
249	18.048	18.014	18.063	PV	386	6076	0	
250	18.084	18.063	18.108	VV	648	10603	0	
251	18.131	18.108	18.159	VV	518	9285	0	
252	18.187	18.159	18.235	VV	596	9217	0	
253	18.248	18.235	18.255	VV	188	2148	0.20%	0.007%
254	18.350	18.255	18.381	VV	692	23354	2.15%	0.075%
255	18.415	18.381	18.480	VV	6429	99701	9.17%	0.318%
256	18.497	18.480	18.516	VV	398	7014	0.64%	0.022%
257	18.603	18.516	18.664	VV	1663	54896	5.05%	0.175%
258	18.687	18.664	18.718	VV	571	13136	1.21%	0.042%
259	18.738	18.718	18.747	VV	366	4809	0.44%	0.015%
260	18.836	18.747	18.887	VV	6462	110595	10.17%	0.353%
261	18.936	18.887	18.946	PV	351	6385	0.59%	0.020%
262	18.970	18.946	19.022	VV	1740	27691	2.55%	0.088%
263	19.056	19.022	19.067	VV	175	3157	0.29%	0.010%
264	19.097	19.067	19.188	VV	594	18921	1.74%	0.060%
265	19.244	19.188	19.302	VV	7419	102152	9.39%	0.326%
266	19.389	19.302	19.408	PV	666	7519	0.69%	0.024%
267	19.437	19.408	19.461	VV	667	10444	0.96%	0.033%
268	19.501	19.461	19.517	VV	461	7771	0.71%	0.025%
269	19.547	19.517	19.565	VV	335	7193	0.66%	0.023%
270	19.572	19.565	19.591	VV	198	1997	0.18%	0.006%
271	19.640	19.591	19.688	VV	6171	86219	7.93%	0.275%
272	19.715	19.688	19.737	VV	463	6006	0.55%	0.019%
273	19.788	19.737	19.807	VV	540	11300	1.04%	0.036%
274	19.835	19.807	19.853	VV	393	9113	0.84%	0.029%
275	19.889	19.853	19.908	VV	541	10966	1.01%	0.035%
276	19.932	19.908	19.968	VV	300	4530	0.42%	0.014%
277	20.025	19.968	20.073	PV	5932	96102	8.84%	0.307%
278	20.092	20.073	20.121	VV	630	13605	1.25%	0.043%
279	20.346	20.334	20.367	VV	1117	20232	1.86%	0.065%
280	20.458	20.434	20.467	VV	1427	27244	2.50%	0.087%
281	20.485	20.467	20.495	VV	1538	23802	2.19%	0.076%
282	20.674	20.495	20.691	VV	2450	215193	19.78%	0.687%
283	20.762	20.691	20.801	VV	5858	205433	18.89%	0.655%
284	20.871	20.801	20.898	VV	3159	162995	14.99%	0.520%
285	20.931	20.898	20.986	VV	3043	153460	14.11%	0.490%

Sum of corrected areas: 31343263

Aliphatic EPH 020325.M Tue Feb 11 05:49:29 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-12DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-11DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015514.D	5	02/06/25	02/10/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	11.9		1.68	3.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	59.9		1.91	5.61	mg/kg
Aromatic C16-C21	Aromatic C16-C21	121		5.39	9.35	mg/kg
Aromatic C21-C36	Aromatic C21-C36	19.2		11.2	15.0	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	11.9		40 - 140	119%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	9.14		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.91		40 - 140	69%	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:	Q1308-11DL	Acq On:	10 Feb 2025 10:17
Client Sample ID:	EX-11-TPH-12DL	Operator:	YP\AJ
Data file:	FF015514.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.373	4397643	31.839	200	ug/ml
Aromatic C12-C16	6.374	9.067	21471717	160.04	300	ug/ml
Aromatic C16-C21	9.068	13.385	39846933	323.431	500	ug/ml
Aromatic C21-C36	13.386	18.840	6049070	51.361	800	ug/ml
Aromatic EPH	4.505	18.840	71765363	566.671		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	911595	6.91		ug/ml
2-Bromonaphthalene (SURR)	7.994	7.994	1409131	11.86		ug/ml
2-Flurobiphenyl (SURR)	8.871	8.871	693834	9.14		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015514.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 10:17
Operator : YP\AJ
Sample : Q1308-11DL 5X
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 11 02:33:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
EX-11-TPH-12DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.994	1409131	11.856 ug/mlm
Spiked Amount 50.000		Recovery =	23.71%
6) S 2-Flurobiphenyl (SURR)	8.871	693834	9.136 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	18.27%
11) S ortho-Terphenyl (SURR)	11.931	911595	6.912 ug/mlm
Spiked Amount 50.000		Recovery =	13.82%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015514.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 10:17
Operator : YP\AJ
Sample : Q1308-11DL 5X
Misc :
ALS Vial : 72 Sample Multiplier: 1

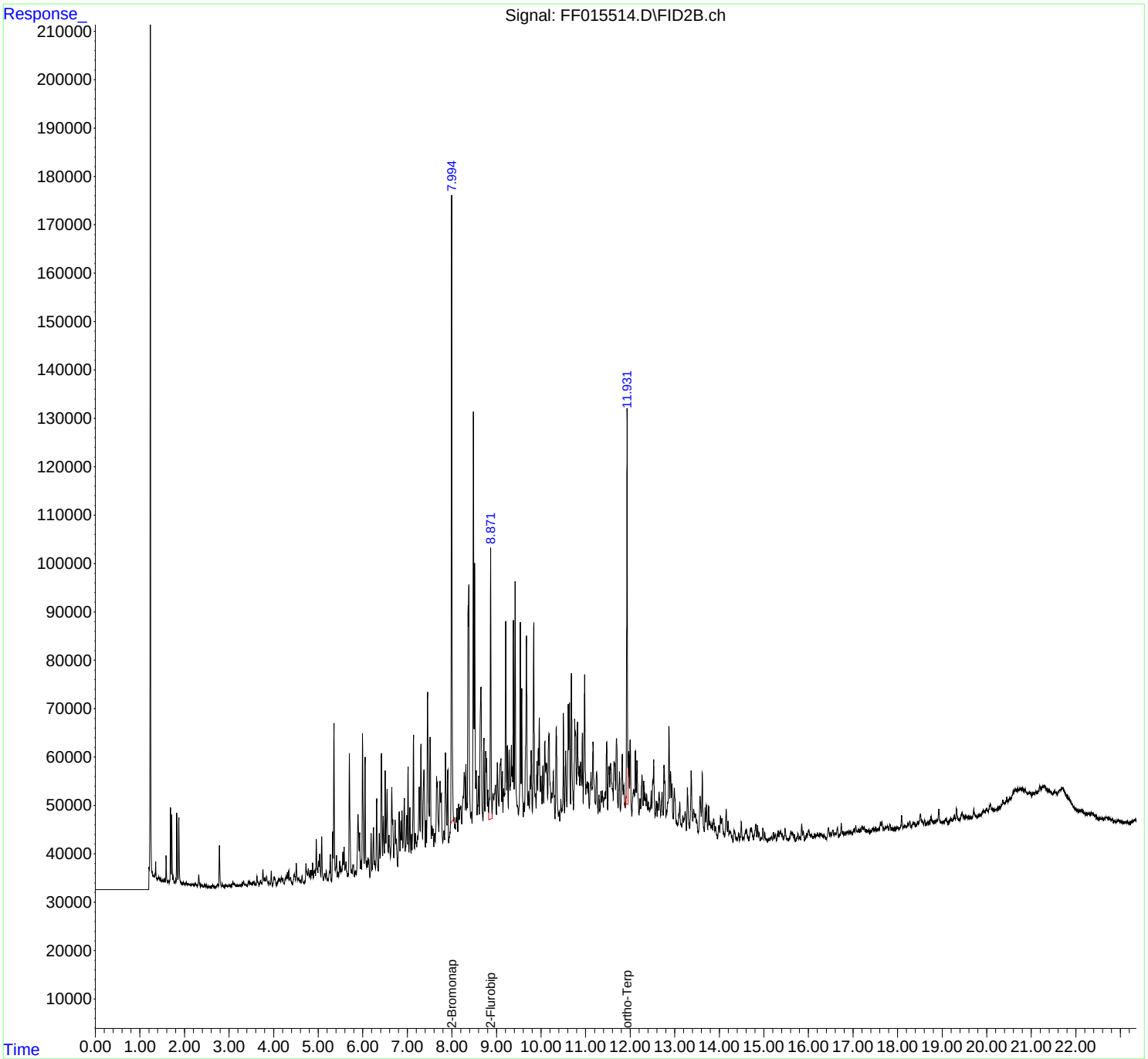
Integration File: autoint1.e
Quant Time: Feb 11 02:33:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

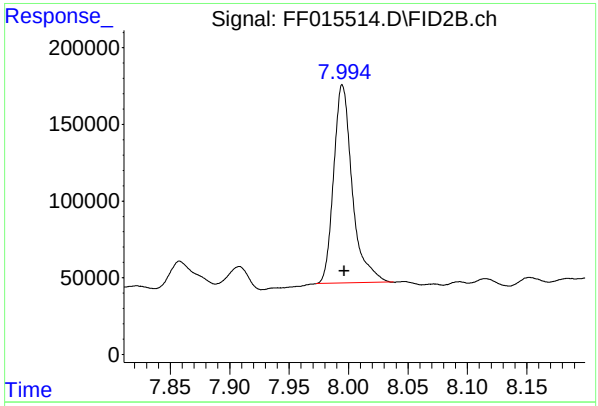
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025





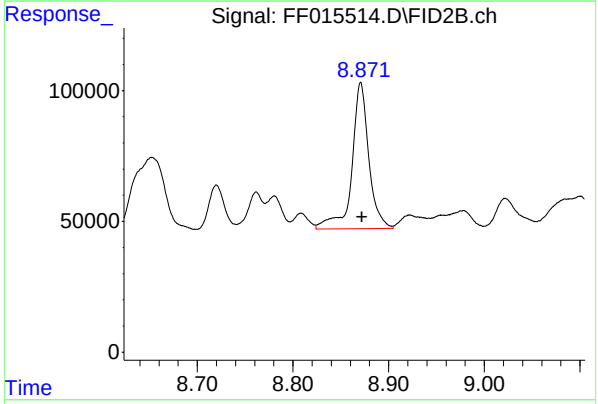
#4 2-Bromonaphthalene (SURR)

R.T.: 7.994 min
Delta R.T.: -0.002 mi
Response: 1409131
Conc: 11.86 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12DL

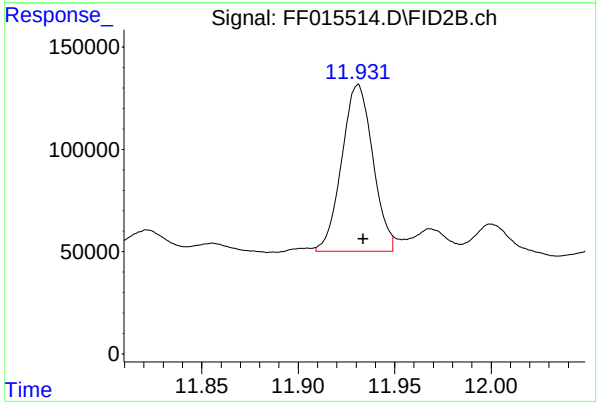
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: 0.000 min
Response: 693834
Conc: 9.14 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.003 min
Response: 911595
Conc: 6.91 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02102
Data File : FF015514.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 10:17
Sample : Q1308-11DL 5X
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.461	4.400	4.474	BV	1661	14562	0.72%	0.020%
2	4.478	4.474	4.491	VV	1182	9095	0.45%	0.012%
3	4.510	4.491	4.536	VV	3923	50777	2.51%	0.068%
4	4.549	4.536	4.590	VV	828	20638	1.02%	0.028%
5	4.602	4.590	4.617	VV	594	6285	0.31%	0.008%
6	4.638	4.617	4.682	PV	1450	19893	0.98%	0.027%
7	4.695	4.682	4.704	PV	274	2028	0.10%	0.003%
8	4.726	4.704	4.764	VV	3975	73629	3.64%	0.099%
9	4.780	4.764	4.809	VV	2877	53627	2.65%	0.072%
10	4.824	4.809	4.838	VV	2587	29717	1.47%	0.040%
11	4.852	4.838	4.862	VV	2644	27432	1.35%	0.037%
12	4.876	4.862	4.893	VV	4066	45432	2.24%	0.061%
13	4.912	4.893	4.921	VV	2447	31706	1.57%	0.043%
14	4.930	4.921	4.941	VV	2521	25474	1.26%	0.034%
15	4.958	4.941	4.979	VV	8847	110918	5.48%	0.149%
16	4.983	4.979	4.994	VV	2881	23433	1.16%	0.032%
17	5.008	4.994	5.020	VV	4466	52967	2.62%	0.071%
18	5.034	5.020	5.059	VV	5803	85207	4.21%	0.115%
19	5.080	5.059	5.117	VV	9350	121881	6.02%	0.164%
20	5.147	5.117	5.166	VV	1750	33487	1.65%	0.045%
21	5.182	5.166	5.207	VV	2405	32435	1.60%	0.044%
22	5.251	5.207	5.257	VV	1991	27558	1.36%	0.037%
23	5.273	5.257	5.300	VV	5654	66789	3.30%	0.090%
24	5.326	5.300	5.338	PV	10236	105728	5.22%	0.142%
25	5.355	5.338	5.382	VV	32646	368604	18.21%	0.496%
26	5.412	5.382	5.429	VV	5299	86238	4.26%	0.116%
27	5.446	5.429	5.462	VV	1756	26920	1.33%	0.036%
28	5.482	5.462	5.498	VV	4029	58016	2.87%	0.078%
29	5.509	5.498	5.522	VV	2799	32825	1.62%	0.044%
30	5.526	5.522	5.534	VV	2076	14108	0.70%	0.019%
31	5.554	5.534	5.568	VV	5912	80092	3.96%	0.108%
32	5.582	5.568	5.599	VV	6920	86652	4.28%	0.117%
33	5.626	5.599	5.660	VV	3786	86990	4.30%	0.117%
34	5.673	5.660	5.680	VV	1437	13860	0.68%	0.019%
35	5.701	5.680	5.739	VV	26156	373855	18.47%	0.503%
36	5.750	5.739	5.762	VV	2014	23569	1.16%	0.032%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

rteres

37	5.779	5.762	5.785	VV	3053	33621	1.66%	0.045%
38	5.790	5.785	5.814	VV	3008	33479	1	
39	5.833	5.814	5.849	VV	1798	27404	1	
40	5.895	5.849	5.919	VV	13442	284067	14	
41	5.930	5.919	5.950	VV	9559	113762	5	
42	5.964	5.950	5.976	VV	3694	46036	2	
43	5.996	5.976	6.033	VV	29980	444319	21.95%	0.598%
44	6.053	6.033	6.083	VV	25164	294687	14.56%	0.396%
45	6.094	6.083	6.105	VV	3722	39948	1.97%	0.054%
46	6.119	6.105	6.128	VV	4295	47206	2.33%	0.063%
47	6.136	6.128	6.160	VV	3830	44875	2.22%	0.060%
48	6.188	6.160	6.207	VV	9289	112080	5.54%	0.151%
49	6.242	6.207	6.260	VV	10489	169594	8.38%	0.228%
50	6.270	6.260	6.287	VV	3546	44523	2.20%	0.060%
51	6.313	6.287	6.347	VV	16294	236991	11.71%	0.319%
52	6.372	6.347	6.389	VV	9098	126281	6.24%	0.170%
53	6.420	6.389	6.446	VV	25598	459140	22.68%	0.617%
54	6.461	6.446	6.487	VV	12662	200661	9.91%	0.270%
55	6.505	6.487	6.520	VV	21981	257215	12.70%	0.346%
56	6.547	6.520	6.574	VV	18089	343504	16.97%	0.462%
57	6.590	6.574	6.622	VV	8583	178826	8.83%	0.240%
58	6.652	6.622	6.669	VV	18445	300511	14.84%	0.404%
59	6.676	6.669	6.696	VV	11667	136064	6.72%	0.183%
60	6.728	6.696	6.742	VV	11645	212288	10.49%	0.285%
61	6.751	6.742	6.782	VV	7533	126460	6.25%	0.170%
62	6.819	6.782	6.837	VV	13255	252701	12.48%	0.340%
63	6.857	6.837	6.869	VV	11396	165281	8.16%	0.222%
64	6.882	6.869	6.900	VV	13389	178276	8.81%	0.240%
65	6.934	6.900	6.953	VV	15919	311002	15.36%	0.418%
66	6.987	6.953	7.001	VV	12367	235632	11.64%	0.317%
67	7.017	7.001	7.037	VV	22258	271343	13.40%	0.365%
68	7.059	7.037	7.083	VV	13919	232757	11.50%	0.313%
69	7.096	7.083	7.108	VV	8375	97962	4.84%	0.132%
70	7.140	7.108	7.160	VV	28893	444831	21.97%	0.598%
71	7.182	7.160	7.212	VV	8495	211947	10.47%	0.285%
72	7.267	7.239	7.287	VV	17976	365838	18.07%	0.492%
73	7.306	7.287	7.343	VV	26848	531649	26.26%	0.715%
74	7.420	7.406	7.433	VV	10948	134069	6.62%	0.180%
75	7.455	7.433	7.493	VV	37502	750331	37.06%	1.009%
76	7.512	7.493	7.540	VV	28115	519073	25.64%	0.698%
77	7.554	7.540	7.568	VV	9788	146666	7.24%	0.197%
78	7.579	7.568	7.595	VV	9121	126017	6.22%	0.169%
79	7.676	7.668	7.707	VV	18576	322034	15.91%	0.433%
80	7.735	7.707	7.752	VV	18877	390954	19.31%	0.526%
81	7.822	7.797	7.837	VV	8533	177084	8.75%	0.238%
82	7.858	7.837	7.888	VV	24613	475791	23.50%	0.640%
83	7.908	7.888	7.928	VV	21116	325287	16.07%	0.437%
84	7.995	7.928	8.038	VV	139053	2024558	100.00%	2.723%
85	8.047	8.038	8.062	VV	11115	147749	7.30%	0.199%
86	8.072	8.062	8.080	VV	9548	96441	4.76%	0.130%
87	8.093	8.080	8.101	VV	11044	131314	6.49%	0.177%
88	8.115	8.101	8.135	VV	12882	220531	10.89%	0.297%
89	8.152	8.135	8.169	VV	13786	232165	11.47%	0.312%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12DL

rteres

90	8.185	8.169	8.191	VV	13026	166180	8.21%	0.223%
91	8.199	8.191	8.222	VV	13251	220956	10	
92	8.256	8.222	8.260	VV	15232	294844	14	
93	8.278	8.260	8.302	VV	20231	445906	22	
94	8.316	8.302	8.330	VV	21901	282119	13	
95	8.338	8.330	8.345	VV	13803	116534	5	
96	8.365	8.345	8.371	VV	54576	558189	27.57%	0.751%
97	8.380	8.371	8.420	VV	59070	874861	43.21%	1.176%
98	8.439	8.420	8.452	VV	11913	214141	10.58%	0.288%
99	8.484	8.452	8.499	VV	94639	1219410	60.23%	1.640%
100	8.512	8.499	8.535	VV	63217	828541	40.92%	1.114%
101	8.548	8.535	8.567	VV	20361	333675	16.48%	0.449%
102	8.598	8.567	8.617	VV	19260	434698	21.47%	0.585%
103	8.653	8.617	8.698	VV	37604	1101296	54.40%	1.481%
104	8.720	8.698	8.741	VV	26944	444154	21.94%	0.597%
105	8.762	8.741	8.771	VV	24254	333763	16.49%	0.449%
106	8.781	8.771	8.797	VV	22739	294633	14.55%	0.396%
107	8.809	8.797	8.824	VV	16122	224756	11.10%	0.302%
108	8.871	8.824	8.904	VV	66085	1179179	58.24%	1.586%
109	8.922	8.904	8.940	VV	15290	305022	15.07%	0.410%
110	8.978	8.940	9.000	VV	17030	525547	25.96%	0.707%
111	9.022	9.000	9.054	VV	21638	518540	25.61%	0.697%
112	9.100	9.054	9.119	VV	22379	713301	35.23%	0.959%
113	9.132	9.119	9.148	VV	19689	278297	13.75%	0.374%
114	9.162	9.148	9.174	VV	16195	231787	11.45%	0.312%
115	9.210	9.174	9.231	VV	50762	902716	44.59%	1.214%
116	9.245	9.231	9.267	VV	24957	409836	20.24%	0.551%
117	9.285	9.267	9.307	VV	23995	450525	22.25%	0.606%
118	9.335	9.307	9.347	VV	24996	470847	23.26%	0.633%
119	9.355	9.347	9.364	VV	20377	189652	9.37%	0.255%
120	9.380	9.364	9.398	VV	50606	645577	31.89%	0.868%
121	9.421	9.398	9.468	VV	58642	1057160	52.22%	1.422%
122	9.476	9.468	9.495	VV	12571	195812	9.67%	0.263%
123	9.537	9.495	9.555	VV	50146	856508	42.31%	1.152%
124	9.569	9.555	9.604	VV	36540	606237	29.94%	0.815%
125	9.617	9.604	9.630	VV	12678	183788	9.08%	0.247%
126	9.674	9.630	9.706	VV	47322	1106178	54.64%	1.488%
127	9.720	9.706	9.739	VV	15201	266966	13.19%	0.359%
128	9.758	9.739	9.767	VV	18121	262016	12.94%	0.352%
129	9.782	9.767	9.807	VV	23399	410819	20.29%	0.552%
130	9.837	9.807	9.869	VV	49619	905041	44.70%	1.217%
131	9.877	9.869	9.891	VV	14472	182778	9.03%	0.246%
132	9.910	9.891	9.925	VV	21126	340907	16.84%	0.458%
133	9.940	9.925	9.949	VV	23851	299919	14.81%	0.403%
134	9.963	9.949	9.985	VV	30120	493842	24.39%	0.664%
135	10.001	9.985	10.024	VV	18070	366600	18.11%	0.493%
136	10.042	10.024	10.061	VV	20158	360195	17.79%	0.484%
137	10.086	10.061	10.105	VV	25041	534053	26.38%	0.718%
138	10.115	10.105	10.123	VV	20724	223136	11.02%	0.300%
139	10.132	10.123	10.149	VV	20327	269683	13.32%	0.363%
140	10.180	10.149	10.226	VV	26762	890630	43.99%	1.198%
141	10.246	10.226	10.259	VV	14344	271370	13.40%	0.365%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

rteres

142	10.277	10.259	10.313	VV	18825	478865	23.65%	0.644%
143	10.342	10.313	10.392	VV	27831	749899	37	
144	10.404	10.392	10.424	VV	10324	183106	9	
145	10.446	10.424	10.460	VV	13024	243951	12	
146	10.467	10.460	10.474	VV	11031	86074	4	
147	10.503	10.474	10.530	VV	30638	568230	28	
148	10.554	10.530	10.580	VV	22851	488199	24.11%	0.657%
149	10.611	10.580	10.624	VV	32385	568873	28.10%	0.765%
150	10.637	10.624	10.662	VV	32784	538323	26.59%	0.724%
151	10.683	10.662	10.727	VV	38846	824579	40.73%	1.109%
152	10.756	10.727	10.768	VV	29282	508806	25.13%	0.684%
153	10.774	10.768	10.797	VV	26559	382173	18.88%	0.514%
154	10.820	10.797	10.845	VV	28665	613490	30.30%	0.825%
155	10.857	10.845	10.870	VV	19466	266925	13.18%	0.359%
156	10.889	10.870	10.911	VV	20239	441116	21.79%	0.593%
157	10.929	10.911	10.947	VV	26192	424143	20.95%	0.570%
158	10.979	10.947	11.004	VV	38282	816408	40.33%	1.098%
159	11.016	11.004	11.024	VV	15369	169077	8.35%	0.227%
160	11.040	11.024	11.053	VV	16115	274292	13.55%	0.369%
161	11.064	11.053	11.084	VV	15719	249532	12.33%	0.336%
162	11.122	11.084	11.138	VV	17869	479366	23.68%	0.645%
163	11.166	11.138	11.223	VV	23976	818455	40.43%	1.101%
164	11.247	11.223	11.280	VV	17917	483328	23.87%	0.650%
165	11.300	11.280	11.322	VV	13100	279455	13.80%	0.376%
166	11.344	11.322	11.361	VV	13813	285526	14.10%	0.384%
167	11.377	11.361	11.398	VV	13944	277448	13.70%	0.373%
168	11.420	11.398	11.425	VV	12459	192244	9.50%	0.259%
169	11.440	11.425	11.451	VV	13688	198363	9.80%	0.267%
170	11.473	11.451	11.495	VV	23945	458905	22.67%	0.617%
171	11.516	11.495	11.543	VV	18673	471866	23.31%	0.635%
172	11.559	11.543	11.620	VV	19518	737872	36.45%	0.992%
173	11.639	11.620	11.648	VV	19770	278253	13.74%	0.374%
174	11.653	11.648	11.673	VV	19528	262583	12.97%	0.353%
175	11.694	11.673	11.728	VV	24524	587431	29.02%	0.790%
176	11.759	11.728	11.782	VV	17601	436024	21.54%	0.586%
177	11.822	11.782	11.842	VV	21229	539742	26.66%	0.726%
178	11.855	11.842	11.885	VV	14755	323544	15.98%	0.435%
179	11.931	11.885	11.955	VV	92055	1393690	68.84%	1.874%
180	11.969	11.955	11.984	VV	21654	317053	15.66%	0.426%
181	12.000	11.984	12.034	VV	23899	466116	23.02%	0.627%
182	12.077	12.034	12.097	VV	13662	444011	21.93%	0.597%
183	12.116	12.097	12.134	VV	21570	370036	18.28%	0.498%
184	12.151	12.134	12.199	VV	19605	541160	26.73%	0.728%
185	12.218	12.199	12.235	VV	11689	229130	11.32%	0.308%
186	12.263	12.235	12.288	VV	16475	405781	20.04%	0.546%
187	12.306	12.288	12.322	VV	15212	260986	12.89%	0.351%
188	12.337	12.322	12.356	VV	12504	234989	11.61%	0.316%
189	12.370	12.356	12.388	VV	12424	210111	10.38%	0.283%
190	12.408	12.388	12.438	VV	10843	296369	14.64%	0.399%
191	12.470	12.438	12.485	VV	13074	297517	14.70%	0.400%
192	12.506	12.485	12.514	VV	15148	224768	11.10%	0.302%
193	12.527	12.514	12.557	VV	19463	356207	17.59%	0.479%
194	12.584	12.557	12.603	VV	10838	255852	12.64%	0.344%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-12DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

rteres

195	12.619	12.603	12.631	VV	10310	153004	7.56%	0.206%
196	12.649	12.631	12.683	VV	12668	329407	16	
197	12.714	12.683	12.739	VV	12510	333553	16	
198	12.761	12.739	12.802	VV	18297	479307	23	
199	12.869	12.802	12.890	VV	26081	692137	34	
200	12.906	12.890	12.922	VV	16787	267746	13	
201	12.936	12.922	12.967	VV	14176	284626	14.06%	0.383%
202	12.988	12.967	13.030	VV	13272	373375	18.44%	0.502%
203	13.040	13.030	13.053	VV	6510	83885	4.14%	0.113%
204	13.059	13.053	13.065	VV	5762	43393	2.14%	0.058%
205	13.111	13.065	13.160	VV	10358	393254	19.42%	0.529%
206	13.181	13.160	13.195	VV	7321	135926	6.71%	0.183%
207	13.232	13.195	13.260	VV	8226	261042	12.89%	0.351%
208	13.285	13.260	13.335	VV	13060	348785	17.23%	0.469%
209	13.369	13.335	13.404	VV	16528	394765	19.50%	0.531%
210	13.423	13.404	13.447	VV	8456	197595	9.76%	0.266%
211	13.464	13.447	13.485	VV	7480	156701	7.74%	0.211%
212	13.493	13.485	13.525	VV	6286	119820	5.92%	0.161%
213	13.529	13.525	13.534	VV	3880	19128	0.94%	0.026%
214	13.568	13.534	13.595	VV	11051	294994	14.57%	0.397%
215	13.617	13.595	13.662	VV	15899	327751	16.19%	0.441%
216	13.681	13.662	13.695	VV	8743	128787	6.36%	0.173%
217	13.711	13.695	13.740	VV	9183	184353	9.11%	0.248%
218	13.761	13.740	13.779	VV	8850	150502	7.43%	0.202%
219	13.790	13.779	13.817	VV	5569	116663	5.76%	0.157%
220	13.836	13.817	13.854	VV	5423	103947	5.13%	0.140%
221	13.873	13.854	13.898	VV	6193	138647	6.85%	0.186%
222	13.916	13.898	13.940	VV	4570	95572	4.72%	0.129%
223	13.946	13.940	13.962	VV	2988	32844	1.62%	0.044%
224	13.990	13.962	14.008	VV	4722	103435	5.11%	0.139%
225	14.026	14.008	14.044	VV	6634	115978	5.73%	0.156%
226	14.057	14.044	14.120	VV	6101	194497	9.61%	0.262%
227	14.153	14.120	14.181	VV	8046	182918	9.03%	0.246%
228	14.196	14.181	14.215	VV	5512	86104	4.25%	0.116%
229	14.236	14.215	14.251	VV	3422	66870	3.30%	0.090%
230	14.256	14.251	14.308	VV	3170	75966	3.75%	0.102%
231	14.331	14.308	14.369	VV	3520	94899	4.69%	0.128%
232	14.377	14.369	14.401	VV	1919	33366	1.65%	0.045%
233	14.437	14.401	14.454	VV	2853	64427	3.18%	0.087%
234	14.492	14.454	14.525	VV	5141	113496	5.61%	0.153%
235	14.532	14.525	14.537	VV	1838	11756	0.58%	0.016%
236	14.546	14.537	14.554	VV	1875	17574	0.87%	0.024%
237	14.590	14.554	14.597	VV	3353	68399	3.38%	0.092%
238	14.603	14.597	14.664	VV	3309	86826	4.29%	0.117%
239	14.716	14.664	14.767	VV	3725	155635	7.69%	0.209%
240	14.817	14.767	14.838	VV	4410	120779	5.97%	0.162%
241	14.857	14.838	14.875	VV	4074	62317	3.08%	0.084%
242	14.890	14.875	14.919	VV	2598	45969	2.27%	0.062%
243	14.941	14.919	14.956	VV	1544	28518	1.41%	0.038%
244	14.977	14.956	15.000	VV	3365	60307	2.98%	0.081%
245	15.017	15.000	15.045	VV	2603	45922	2.27%	0.062%
246	15.053	15.045	15.073	VV	1166	16036	0.79%	0.022%

Instrument :
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EX-11-TPH-12DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 02/11/2025

rteres

247	15.085	15.073	15.090	VV	794	7708	0.38%	0.010%
248	15.094	15.090	15.100	VV	825	4731		
249	15.118	15.100	15.134	VV	1116	19615		
250	15.176	15.134	15.190	VV	1617	41324		
251	15.216	15.190	15.241	VV	2407	48593		
252	15.258	15.241	15.284	VV	1917	35629		
253	15.317	15.284	15.337	VV	2585	53166	2.63%	0.071%
254	15.374	15.337	15.397	VV	2540	75065	3.71%	0.101%
255	15.409	15.397	15.440	VV	1835	35286	1.74%	0.047%
256	15.474	15.440	15.549	VV	2970	85650	4.23%	0.115%
257	15.564	15.549	15.573	VV	815	10972	0.54%	0.015%
258	15.607	15.573	15.621	VV	2332	46200	2.28%	0.062%
259	15.631	15.621	15.669	VV	2103	48232	2.38%	0.065%
260	15.682	15.669	15.707	VV	1466	19925	0.98%	0.027%
261	15.760	15.707	15.783	VV	1796	39203	1.94%	0.053%
262	15.798	15.783	15.825	VV	1055	17765	0.88%	0.024%
263	15.846	15.825	15.869	VV	3613	55555	2.74%	0.075%
264	15.884	15.869	15.916	VV	2095	34863	1.72%	0.047%
265	15.957	15.916	15.972	VV	1501	30097	1.49%	0.040%
266	16.007	15.972	16.036	VV	2233	62673	3.10%	0.084%
267	16.040	16.036	16.053	VV	1162	10875	0.54%	0.015%
268	16.071	16.053	16.098	VV	1232	24121	1.19%	0.032%
269	16.113	16.098	16.120	VV	919	8645	0.43%	0.012%
270	16.141	16.120	16.165	VV	1300	24998	1.23%	0.034%
271	16.172	16.165	16.179	VV	985	8024	0.40%	0.011%
272	16.183	16.179	16.187	VV	982	4368	0.22%	0.006%
273	16.197	16.187	16.243	VV	1356	36359	1.80%	0.049%
274	16.273	16.243	16.308	VV	1422	39979	1.97%	0.054%
275	16.313	16.308	16.327	VV	871	7621	0.38%	0.010%
276	16.348	16.327	16.365	VV	1164	17325	0.86%	0.023%
277	16.372	16.365	16.406	VV	549	6876	0.34%	0.009%
278	16.448	16.406	16.473	PV	2233	50217	2.48%	0.068%
279	16.488	16.473	16.508	VV	1287	19185	0.95%	0.026%
280	16.549	16.508	16.574	VV	1814	46172	2.28%	0.062%
281	16.591	16.574	16.613	VV	1219	22074	1.09%	0.030%
282	16.651	16.613	16.677	VV	2211	49729	2.46%	0.067%
283	16.698	16.677	16.702	PV	740	5639	0.28%	0.008%
284	16.706	16.702	16.711	VV	645	3040	0.15%	0.004%
285	16.736	16.711	16.790	VV	3009	63449	3.13%	0.085%
286	16.795	16.790	16.807	VV	638	5353	0.26%	0.007%
287	16.824	16.807	16.844	VV	1003	15011	0.74%	0.020%
288	16.876	16.844	16.894	VV	1205	26967	1.33%	0.036%
289	16.915	16.894	16.923	VV	1020	14847	0.73%	0.020%
290	16.929	16.923	16.933	VV	875	4333	0.21%	0.006%
291	16.943	16.933	16.947	VV	976	7574	0.37%	0.010%
292	16.955	16.947	16.980	VV	966	14015	0.69%	0.019%
293	17.023	16.980	17.040	VV	1551	33612	1.66%	0.045%
294	17.060	17.040	17.090	VV	2073	40873	2.02%	0.055%
295	17.099	17.090	17.106	VV	856	7738	0.38%	0.010%
296	17.123	17.106	17.147	VV	1298	22782	1.13%	0.031%
297	17.162	17.147	17.181	VV	1201	19250	0.95%	0.026%
298	17.207	17.181	17.236	VV	1761	44793	2.21%	0.060%
299	17.244	17.236	17.278	VV	1477	28356	1.40%	0.038%

Instrument :
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ClientSampleId :
EX-11-TPH-12DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

					rteres			
300	17.300	17.278	17.318	VV	877	15722	0.78%	0.021%
301	17.330	17.318	17.349	VV	692	10911		
302	17.355	17.349	17.379	VV	782	9431		
303	17.401	17.379	17.411	VV	684	8129		
304	17.444	17.411	17.464	VV	1112	25022		
305	17.488	17.464	17.499	VV	843	14404		
306	17.515	17.499	17.537	VV	1179	17348	0.86%	0.023%
307	17.557	17.537	17.577	VV	802	15007	0.74%	0.020%
308	17.584	17.577	17.591	VV	787	5630	0.28%	0.008%
309	17.615	17.591	17.633	VV	2082	37749	1.86%	0.051%
310	17.648	17.633	17.679	VV	2266	38408	1.90%	0.052%
311	17.686	17.679	17.707	VV	661	9773	0.48%	0.013%
312	17.733	17.707	17.739	VV	862	13190	0.65%	0.018%
313	17.746	17.739	17.750	VV	812	5061	0.25%	0.007%
314	17.778	17.750	17.800	VV	1139	25167	1.24%	0.034%
315	17.826	17.800	17.854	VV	1391	23846	1.18%	0.032%
316	17.875	17.854	17.880	VV	479	4717	0.23%	0.006%
317	17.884	17.880	17.907	VV	548	4578	0.23%	0.006%
318	17.927	17.907	17.947	PV	382	5814	0.29%	0.008%
319	17.977	17.947	17.990	VV	415	7459	0.37%	0.010%
320	18.002	17.990	18.014	VV	535	5246	0.26%	0.007%
321	18.019	18.014	18.044	VV	381	4188	0.21%	0.006%
322	18.089	18.044	18.117	VV	2853	45875	2.27%	0.062%
323	18.158	18.117	18.163	VV	652	13020	0.64%	0.018%
324	18.175	18.163	18.190	VV	724	8215	0.41%	0.011%
325	18.197	18.190	18.204	VV	371	2379	0.12%	0.003%
326	18.234	18.204	18.253	VV	1064	19338	0.96%	0.026%
327	18.277	18.253	18.303	VV	1396	23647	1.17%	0.032%
328	18.317	18.303	18.322	VV	464	3128	0.15%	0.004%
329	18.346	18.322	18.358	VV	1034	16156	0.80%	0.022%
330	18.376	18.358	18.393	VV	875	15291	0.76%	0.021%
331	18.396	18.393	18.416	VV	352	3275	0.16%	0.004%
332	18.447	18.416	18.467	VV	869	17350	0.86%	0.023%
333	18.511	18.467	18.539	VV	2577	66541	3.29%	0.089%
334	18.545	18.539	18.557	VV	1284	11014	0.54%	0.015%
335	18.561	18.557	18.587	VV	1060	9606	0.47%	0.013%
336	18.606	18.587	18.640	VV	1213	19651	0.97%	0.026%
337	18.682	18.640	18.688	PV	561	10346	0.51%	0.014%
338	18.696	18.688	18.707	VV	501	2837	0.14%	0.004%
339	18.744	18.707	18.777	PV	1489	27260	1.35%	0.037%
340	18.781	18.777	18.792	VV	322	1591	0.08%	0.002%

Sum of corrected areas: 74361886

Aromatic EPH 020525.M Tue Feb 11 03:21:32 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-13	SDG No.:	Q1308
Lab Sample ID:	Q1308-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
02/06/25 14:20	02/10/25 11:32	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	890		50	22.0	57.9	mg/kg	FC068245.D
Aliphatic C12-C16	Aliphatic C12-C16	2000		200	55.5	154	mg/kg	FC068246.D
Aliphatic C16-C21	Aliphatic C16-C21	545		50	17.4	57.9	mg/kg	FC068245.D
Aliphatic C21-C28	Aliphatic C21-C28	111		10	9.26	15.4	mg/kg	FC068244.D
Aliphatic C28-C40	Aliphatic C28-C40	90.2		10	20.8	23.1	mg/kg	FC068244.D
Aromatic C10-C12	Aromatic C10-C12	116		50	17.4	38.6	mg/kg	FD049067.D
Aromatic C12-C16	Aromatic C12-C16	479		50	19.7	57.9	mg/kg	FD049067.D
Aromatic C16-C21	Aromatic C16-C21	545		50	55.5	96.4	mg/kg	FD049067.D
Aromatic C21-C36	Aromatic C21-C36	60.6		1	2.31	3.09	mg/kg	FD049060.D
Total AliphaticEPH	Total AliphaticEPH	3630			125	308	mg/kg	
Total AromaticEPH	Total AromaticEPH	1200			94.9	196	mg/kg	
Total EPH	Total EPH	4830			220	504	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-13	SDG No.:	Q1308
Lab Sample ID:	Q1308-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
FC068237.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	923	E	0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1740	E	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	469	E	0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	96.6	E	0.93	1.54	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.9	E	2.08	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	67.8		40 - 140	136%	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:	Q1308-12	Acq On:	07 Feb 2025 16:45
Client Sample ID:	EX-11-TPH-13	Operator:	YP/AJ
Data file:	FC068237.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	3.111	6.377	1658118628	12000	300	ug/ml
Aliphatic C12-C16	6.378	9.762	3109442486	22600	200	ug/ml
Aliphatic C16-C21	9.763	13.116	821876776	6090	300	ug/ml
Aliphatic C21-C28	13.117	16.769	159233963	1250	400	ug/ml
Aliphatic C28-C40	16.770	21.574	95304750	919.585	600	ug/ml
Aliphatic EPH	3.111	21.574	5843976603	42800		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.857	12.857	7798817	67.81		ug/ml
Aliphatic C9-C28	3.111	16.769	5748671853	41900	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068237.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 16:45
Operator : YP/AJ
Sample : Q1308-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13

Integration File: autoint1.e
Quant Time: Feb 07 22:52:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.857	7798817	67.814 ug/ml
Spiked Amount 50.000		Recovery = 135.63%	
Target Compounds			

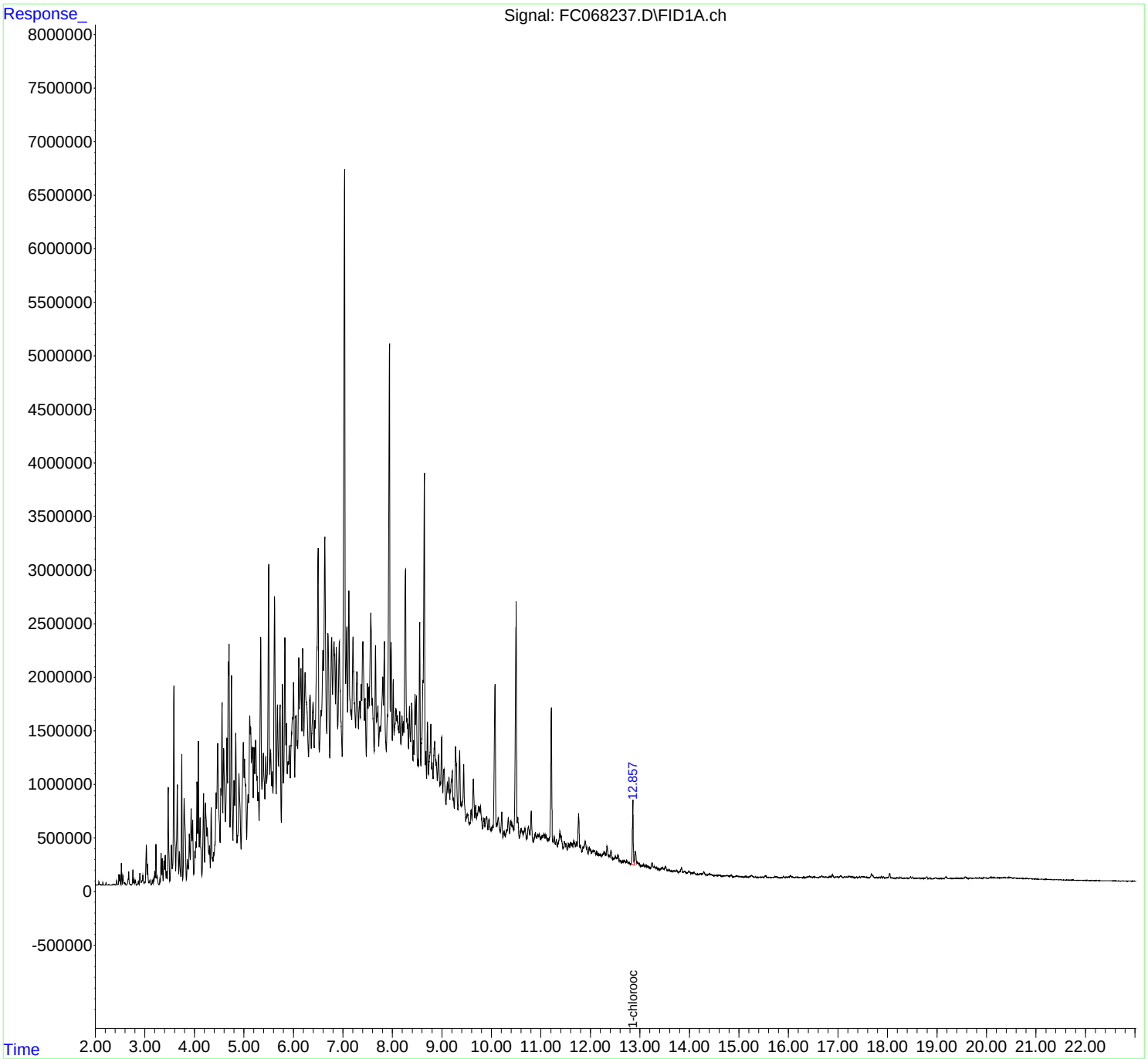
(f)=RT Delta > 1/2 Window (m)=manual int.

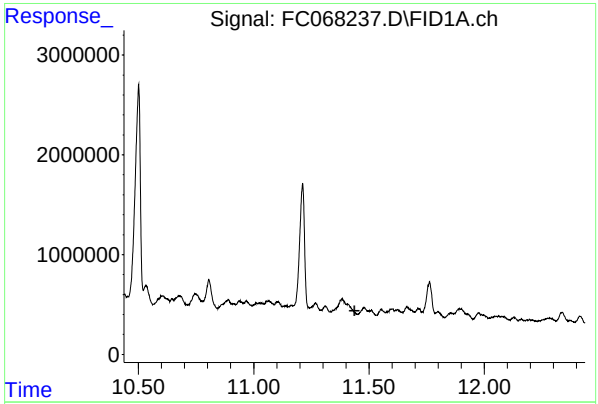
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068237.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 16:45
Operator : YP/AJ
Sample : Q1308-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13

Integration File: autoint1.e
Quant Time: Feb 07 22:52:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

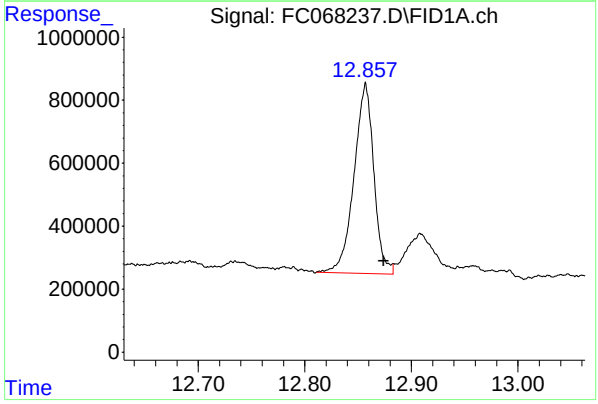




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13



#12 1-chlorooctadecane (SURR)

R.T.: 12.857 min
Delta R.T.: -0.017 min
Response: 7798817
Conc: 67.81 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068237.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 16:45
Sample : Q1308-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.030	3.005	3.045	PV	307548	3182178	2.18%	0.054%
2	3.054	3.045	3.091	PV	114673	525250	0.36%	0.009%
3	3.102	3.091	3.129	PV	27785	244862	0.17%	0.004%
4	3.150	3.129	3.162	PV	43504	423119	0.29%	0.007%
5	3.224	3.162	3.284	VV	380028	6595941	4.51%	0.112%
6	3.328	3.284	3.341	PV	296863	3250803	2.22%	0.055%
7	3.352	3.341	3.369	VV	248459	2465775	1.69%	0.042%
8	3.386	3.369	3.398	VV	224919	2571929	1.76%	0.044%
9	3.411	3.398	3.430	VV	280340	3291179	2.25%	0.056%
10	3.471	3.430	3.505	VV	908260	12500866	8.55%	0.213%
11	3.536	3.505	3.555	VV	370163	5865921	4.01%	0.100%
12	3.586	3.555	3.623	VV	1840929	25780521	17.63%	0.440%
13	3.655	3.623	3.684	VV	928383	15606162	10.67%	0.266%
14	3.699	3.684	3.728	VV	313439	4791634	3.28%	0.082%
15	3.745	3.728	3.765	VV	1210104	11007951	7.53%	0.188%
16	3.794	3.765	3.839	VV	800895	17333594	11.85%	0.296%
17	3.859	3.839	3.869	VV	236910	2774404	1.90%	0.047%
18	3.875	3.869	3.882	VV	180529	1236447	0.85%	0.021%
19	3.899	3.882	3.917	VV	474005	6754812	4.62%	0.115%
20	3.935	3.917	3.952	VV	710787	10147638	6.94%	0.173%
21	3.966	3.952	3.989	VV	601530	7941358	5.43%	0.135%
22	4.009	3.989	4.016	VV	312711	3527911	2.41%	0.060%
23	4.054	4.016	4.065	VV	956396	15388135	10.52%	0.262%
24	4.080	4.065	4.099	VV	1338573	16293189	11.14%	0.278%
25	4.116	4.099	4.152	VV	626448	11671133	7.98%	0.199%
26	4.186	4.152	4.206	VV	841298	13379069	9.15%	0.228%
27	4.226	4.206	4.251	VV	763411	14616647	9.99%	0.249%
28	4.261	4.251	4.298	VV	534477	11372667	7.78%	0.194%
29	4.307	4.298	4.322	VV	365945	4090780	2.80%	0.070%
30	4.340	4.322	4.378	VV	716491	12535440	8.57%	0.214%
31	4.393	4.378	4.400	VV	303142	3583038	2.45%	0.061%
32	4.439	4.400	4.451	VV	862076	16937904	11.58%	0.289%
33	4.471	4.451	4.519	VV	1316290	34675074	23.71%	0.591%
34	4.559	4.519	4.575	VV	1687157	32372375	22.13%	0.552%
35	4.593	4.575	4.626	VV	1270832	28813794	19.70%	0.491%
36	4.658	4.626	4.669	VV	1367463	24687024	16.88%	0.421%

37	4.700	4.669	4.721	VV	2248477	48797688	33.36%	0.832%
38	4.750	4.721	4.778	VV	1944456	35125931	24.02%	0.599%
39	4.801	4.778	4.815	VV	969892	16335137	11.17%	0.278%
40	4.837	4.815	4.861	VV	1413230	25609635	17.51%	0.437%
41	4.902	4.861	4.944	VV	1034068	31245868	21.36%	0.533%
42	4.990	4.944	5.004	VV	1329631	33259191	22.74%	0.567%
43	5.013	5.004	5.057	VV	1168728	28339687	19.38%	0.483%
44	5.084	5.057	5.094	VV	841469	15650159	10.70%	0.267%
45	5.120	5.094	5.155	VV	1572902	46284328	31.64%	0.789%
46	5.173	5.155	5.190	VV	1282915	23982347	16.40%	0.409%
47	5.206	5.190	5.220	VV	1273546	19861692	13.58%	0.339%
48	5.238	5.220	5.281	VV	1347630	40680365	27.81%	0.694%
49	5.292	5.281	5.307	VV	858101	12228984	8.36%	0.208%
50	5.341	5.307	5.365	VV	2307025	48962124	33.47%	0.835%
51	5.392	5.365	5.424	VV	1219855	35697713	24.41%	0.609%
52	5.443	5.424	5.461	VV	1197096	22747142	15.55%	0.388%
53	5.501	5.461	5.524	VV	2988136	63027066	43.09%	1.075%
54	5.540	5.524	5.561	VV	1253573	24949190	17.06%	0.425%
55	5.573	5.561	5.587	VV	1052027	15075851	10.31%	0.257%
56	5.620	5.587	5.653	VV	2684277	63571317	43.46%	1.084%
57	5.677	5.653	5.700	VV	1671473	36391318	24.88%	0.620%
58	5.731	5.700	5.756	VV	1677887	42498271	29.06%	0.725%
59	5.780	5.756	5.800	VV	1855484	32160817	21.99%	0.548%
60	5.829	5.800	5.849	VV	2301084	46944944	32.10%	0.800%
61	5.860	5.849	5.877	VV	1507721	21470027	14.68%	0.366%
62	5.918	5.877	5.937	VV	1296968	41600950	28.44%	0.709%
63	6.004	5.937	6.028	VV	1886140	77739797	53.15%	1.325%
64	6.053	6.028	6.088	VV	1575057	48922073	33.45%	0.834%
65	6.111	6.088	6.131	VV	2108136	45778537	31.30%	0.780%
66	6.153	6.131	6.171	VV	2018084	43395285	29.67%	0.740%
67	6.190	6.171	6.212	VV	2173208	43255814	29.57%	0.737%
68	6.237	6.212	6.307	VV	1959609	91896277	62.83%	1.567%
69	6.337	6.307	6.362	VV	1768524	50348869	34.42%	0.858%
70	6.398	6.362	6.420	VV	1686034	52485171	35.88%	0.895%
71	6.499	6.420	6.524	VV	3091911	120458459	82.36%	2.054%
72	6.559	6.524	6.567	VV	1605998	37762001	25.82%	0.644%
73	6.597	6.567	6.611	VV	2169049	49752816	34.02%	0.848%
74	6.635	6.611	6.674	VV	3239857	87382974	59.74%	1.490%
75	6.700	6.674	6.736	VV	2323584	67864961	46.40%	1.157%
76	6.773	6.736	6.792	VV	2305827	61358372	41.95%	1.046%
77	6.820	6.792	6.851	VV	2257085	71746789	49.05%	1.223%
78	6.868	6.851	6.897	VV	2204759	50369327	34.44%	0.859%
79	6.927	6.897	6.987	VV	2265529	92973835	63.57%	1.585%
80	7.034	6.987	7.057	VV	6666120	146265228	100.00%	2.494%
81	7.078	7.057	7.097	VV	2388641	48313488	33.03%	0.824%
82	7.122	7.097	7.177	VV	2733793	92842374	63.48%	1.583%
83	7.205	7.177	7.257	VV	2303499	87262109	59.66%	1.488%
84	7.284	7.257	7.315	VV	1958081	59084489	40.40%	1.007%
85	7.340	7.315	7.353	VV	1696619	37190701	25.43%	0.634%
86	7.371	7.353	7.381	VV	1865472	29589166	20.23%	0.504%
87	7.404	7.381	7.436	VV	2252185	63955420	43.73%	1.090%
88	7.449	7.436	7.473	VV	1731575	33596669	22.97%	0.573%
89	7.496	7.473	7.509	VV	1873394	34379817	23.51%	0.586%

90	7.522	7.509	7.534	VV	1828117	26551927	18.15%	0.453%
91	7.566	7.534	7.633	VV	2508380	110363337	75.45%	1.882%
92	7.660	7.633	7.681	VV	2192881	49559348	33.88%	0.845%
93	7.707	7.681	7.726	VV	1663174	41465256	28.35%	0.707%
94	7.749	7.726	7.758	VV	1467548	26653394	18.22%	0.454%
95	7.806	7.758	7.820	VV	1922821	62322632	42.61%	1.063%
96	7.838	7.820	7.877	VV	2251876	58518340	40.01%	0.998%
97	7.941	7.877	7.958	VV	5031644	122029471	83.43%	2.080%
98	7.975	7.958	7.999	VV	2245267	45358718	31.01%	0.773%
99	8.018	7.999	8.036	VV	1903057	35555506	24.31%	0.606%
100	8.071	8.036	8.091	VV	1636814	50442314	34.49%	0.860%
101	8.102	8.091	8.133	VV	1573428	37525585	25.66%	0.640%
102	8.150	8.133	8.171	VV	1601503	33552260	22.94%	0.572%
103	8.196	8.171	8.210	VV	1570367	33484148	22.89%	0.571%
104	8.264	8.210	8.327	VV	2914876	125767471	85.99%	2.144%
105	8.346	8.327	8.368	VV	1648408	35467096	24.25%	0.605%
106	8.392	8.368	8.415	VV	1680251	41462826	28.35%	0.707%
107	8.429	8.415	8.438	VV	1324544	17356626	11.87%	0.296%
108	8.459	8.438	8.472	VV	1760168	30891417	21.12%	0.527%
109	8.486	8.472	8.526	VV	1733356	44380780	30.34%	0.757%
110	8.553	8.526	8.578	VV	2439142	49792937	34.04%	0.849%
111	8.646	8.578	8.665	VV	3809761	103524954	70.78%	1.765%
112	8.677	8.665	8.691	VV	1243780	18297137	12.51%	0.312%
113	8.710	8.691	8.731	VV	1505374	29742605	20.33%	0.507%
114	8.778	8.731	8.796	VV	1492054	47057946	32.17%	0.802%
115	8.804	8.796	8.821	VV	1131087	15969815	10.92%	0.272%
116	8.853	8.821	8.909	VV	1325172	60731485	41.52%	1.035%
117	8.934	8.909	8.959	VV	1201890	32227920	22.03%	0.549%
118	8.996	8.959	9.019	VV	1366221	37975043	25.96%	0.647%
119	9.042	9.019	9.082	VV	1065725	35375594	24.19%	0.603%
120	9.112	9.082	9.125	VV	947648	21979656	15.03%	0.375%
121	9.144	9.125	9.161	VV	983266	19779825	13.52%	0.337%
122	9.208	9.161	9.250	VV	1048253	47029544	32.15%	0.802%
123	9.278	9.250	9.325	VV	1268344	43063492	29.44%	0.734%
124	9.360	9.325	9.385	VV	1239420	33210424	22.71%	0.566%
125	9.394	9.385	9.407	VV	747794	9387054	6.42%	0.160%
126	9.442	9.407	9.484	VV	1108850	37242981	25.46%	0.635%
127	9.512	9.484	9.567	VV	650602	29923454	20.46%	0.510%
128	9.590	9.567	9.609	VV	687456	16040379	10.97%	0.273%
129	9.636	9.609	9.666	VV	966311	26380924	18.04%	0.450%
130	9.683	9.666	9.701	VV	728155	14034225	9.60%	0.239%
131	9.741	9.701	9.769	VV	718461	27332474	18.69%	0.466%
132	9.782	9.769	9.821	VV	723317	19768035	13.52%	0.337%
133	9.850	9.821	9.872	VV	607691	17236597	11.78%	0.294%
134	9.907	9.872	9.931	VV	625076	20465507	13.99%	0.349%
135	9.954	9.931	9.987	VV	599751	18255657	12.48%	0.311%
136	10.002	9.987	10.014	VV	521455	8230446	5.63%	0.140%
137	10.074	10.014	10.100	VV	1856555	48677284	33.28%	0.830%
138	10.140	10.100	10.180	VV	612501	26583512	18.17%	0.453%
139	10.211	10.180	10.235	VV	668375	17840135	12.20%	0.304%
140	10.254	10.235	10.284	VV	478665	13782984	9.42%	0.235%
141	10.343	10.284	10.371	VV	610154	26671677	18.24%	0.455%

142	10.389	10.371	10.402	VV	580314	9841560	6.73%	0.168%
143	10.411	10.402	10.458	VV	576599	17988432	12.30%	0.307%
144	10.500	10.458	10.523	VV	2632560	51864871	35.46%	0.884%
145	10.533	10.523	10.565	VV	611057	13261421	9.07%	0.226%
146	10.603	10.565	10.654	VV	508765	25408918	17.37%	0.433%
147	10.680	10.654	10.715	VV	513622	17300284	11.83%	0.295%
148	10.748	10.715	10.778	VV	530859	18198544	12.44%	0.310%
149	10.806	10.778	10.842	VV	673996	19710958	13.48%	0.336%
150	10.889	10.842	10.922	VV	471732	20775540	14.20%	0.354%
151	10.938	10.922	10.955	VV	455770	8567247	5.86%	0.146%
152	10.968	10.955	10.992	VV	455720	9840785	6.73%	0.168%
153	11.012	10.992	11.044	VV	438580	13326563	9.11%	0.227%
154	11.064	11.044	11.091	VV	459198	12575355	8.60%	0.214%
155	11.105	11.091	11.125	VV	450334	8652904	5.92%	0.148%
156	11.140	11.125	11.151	VV	408678	6491967	4.44%	0.111%
157	11.212	11.151	11.248	VV	1627579	40898115	27.96%	0.697%
158	11.268	11.248	11.291	VV	438114	10470956	7.16%	0.179%
159	11.311	11.291	11.331	VV	407754	9090945	6.22%	0.155%
160	11.384	11.331	11.450	VV	480994	28363513	19.39%	0.484%
161	11.479	11.450	11.495	VV	389260	9560045	6.54%	0.163%
162	11.510	11.495	11.531	VV	365064	7585226	5.19%	0.129%
163	11.554	11.531	11.571	VV	373712	8286251	5.67%	0.141%
164	11.600	11.571	11.611	VV	376606	8704230	5.95%	0.148%
165	11.625	11.611	11.648	VV	372966	7860619	5.37%	0.134%
166	11.664	11.648	11.697	VV	396488	10873075	7.43%	0.185%
167	11.714	11.697	11.735	VV	380597	8160642	5.58%	0.139%
168	11.762	11.735	11.791	VV	644390	15974672	10.92%	0.272%
169	11.798	11.791	11.828	VV	351328	7143592	4.88%	0.122%
170	11.854	11.828	11.867	VV	337053	7398817	5.06%	0.126%
171	11.892	11.867	11.951	VV	381349	17155827	11.73%	0.292%
172	11.975	11.951	12.023	VV	338426	13231286	9.05%	0.226%
173	12.061	12.023	12.071	VV	305595	8573350	5.86%	0.146%
174	12.082	12.071	12.110	VV	300705	6758462	4.62%	0.115%
175	12.129	12.110	12.146	VV	292510	5987511	4.09%	0.102%
176	12.161	12.146	12.178	VV	275900	5035474	3.44%	0.086%
177	12.197	12.178	12.231	VV	269849	8359673	5.72%	0.143%
178	12.282	12.231	12.311	VV	284368	12959056	8.86%	0.221%
179	12.337	12.311	12.392	VV	342061	13593355	9.29%	0.232%
180	12.415	12.392	12.461	VV	302319	10633718	7.27%	0.181%
181	12.507	12.461	12.532	VV	243278	9868223	6.75%	0.168%
182	12.556	12.532	12.627	VV	256378	12675700	8.67%	0.216%
183	12.637	12.627	12.655	VV	200104	3208070	2.19%	0.055%
184	12.691	12.655	12.721	VV	208825	7991854	5.46%	0.136%
185	12.734	12.721	12.771	VV	206599	5879943	4.02%	0.100%
186	12.781	12.771	12.811	VV	189646	4303468	2.94%	0.073%
187	12.857	12.811	12.883	VV	770779	15136584	10.35%	0.258%
188	12.909	12.883	12.941	VV	295211	8219582	5.62%	0.140%
189	12.957	12.941	13.007	VV	193209	7030029	4.81%	0.120%
190	13.046	13.007	13.063	VV	164183	5435623	3.72%	0.093%
191	13.073	13.063	13.098	VV	167160	3288691	2.25%	0.056%
192	13.122	13.098	13.211	VV	167773	10267796	7.02%	0.175%
193	13.243	13.211	13.277	VV	188772	6300783	4.31%	0.107%
194	13.292	13.277	13.312	VV	151454	3045645	2.08%	0.052%

195	13.330	13.312	13.371	VV	146088	4861237	3.32%	0.083%
196	13.453	13.408	13.490	VV	144357	6589643	4.51%	0.112%
197	13.515	13.490	13.572	VV	153428	6385569	4.37%	0.109%
198	13.590	13.572	13.612	VV	124869	2844867	1.95%	0.049%
199	13.621	13.612	13.631	VV	107755	1168040	0.80%	0.020%
200	13.683	13.631	13.705	VV	113013	4843298	3.31%	0.083%
201	13.748	13.705	13.776	VV	115190	4592003	3.14%	0.078%
202	13.839	13.776	13.873	VV	142594	6505667	4.45%	0.111%
203	13.904	13.873	13.942	VV	106263	4061024	2.78%	0.069%
204	13.953	13.942	13.958	VV	90353	848531	0.58%	0.014%
205	13.990	13.958	14.027	VV	107845	4073365	2.78%	0.069%
206	14.045	14.027	14.065	VV	92674	2007625	1.37%	0.034%
207	14.096	14.065	14.143	VV	98606	4061888	2.78%	0.069%
208	14.156	14.143	14.188	VV	81077	2097215	1.43%	0.036%
209	14.233	14.188	14.261	VV	85453	3533159	2.42%	0.060%
210	14.292	14.261	14.357	VV	99244	4717767	3.23%	0.080%
211	14.403	14.357	14.435	VV	84913	3522452	2.41%	0.060%
212	14.443	14.435	14.505	VV	75143	2894031	1.98%	0.049%
213	14.537	14.505	14.576	VV	68725	2822858	1.93%	0.048%
214	14.601	14.576	14.648	VV	68515	2808632	1.92%	0.048%
215	14.657	14.648	14.672	VV	61198	849898	0.58%	0.014%
216	14.701	14.672	14.720	VV	65315	1786299	1.22%	0.030%
217	14.732	14.720	14.761	VV	63767	1539104	1.05%	0.026%
218	14.768	14.761	14.807	VV	64859	1681689	1.15%	0.029%
219	14.842	14.807	14.878	VV	67285	2591440	1.77%	0.044%
220	14.905	14.878	14.922	VV	55400	1423246	0.97%	0.024%
221	14.958	14.922	14.998	VV	62061	2651882	1.81%	0.045%
222	15.007	14.998	15.025	VV	56724	896773	0.61%	0.015%
223	15.034	15.025	15.090	VV	56107	2077213	1.42%	0.035%
224	15.126	15.090	15.187	VV	57653	3068202	2.10%	0.052%
225	15.248	15.187	15.318	VV	64822	4332390	2.96%	0.074%
226	15.335	15.318	15.371	VV	53226	1562860	1.07%	0.027%
227	15.395	15.371	15.408	VV	47972	1031964	0.71%	0.018%
228	15.424	15.408	15.454	VV	49580	1335538	0.91%	0.023%
229	15.473	15.454	15.498	VV	50604	1251489	0.86%	0.021%
230	15.532	15.498	15.578	VV	63430	2565114	1.75%	0.044%
231	15.599	15.578	15.638	VV	47143	1657967	1.13%	0.028%
232	15.669	15.638	15.678	VV	47023	1088298	0.74%	0.019%
233	15.684	15.678	15.706	VV	47478	787869	0.54%	0.013%
234	15.726	15.706	15.741	VV	50551	1015405	0.69%	0.017%
235	15.755	15.741	15.813	VV	52944	2051561	1.40%	0.035%
236	15.901	15.813	15.937	VV	54144	3389258	2.32%	0.058%
237	15.961	15.937	15.994	VV	49146	1599860	1.09%	0.027%
238	16.039	15.994	16.138	VV	59414	4291890	2.93%	0.073%
239	16.156	16.138	16.180	VV	49166	1194892	0.82%	0.020%
240	16.200	16.180	16.215	VV	47775	931847	0.64%	0.016%
241	16.232	16.215	16.266	VV	45741	1353507	0.93%	0.023%
242	16.288	16.266	16.301	VV	44908	932273	0.64%	0.016%
243	16.306	16.301	16.348	VV	44703	1235228	0.84%	0.021%
244	16.423	16.348	16.480	VV	52741	3879303	2.65%	0.066%
245	16.516	16.480	16.521	VV	49215	1161437	0.79%	0.020%
246	16.529	16.521	16.578	VV	49467	1555899	1.06%	0.027%

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247	16.583	16.578	16.605	VV	44568	702732	0.48%	0.012%
248	16.631	16.605	16.649	VV	48936	1212137	0.83%	0.021%
249	16.674	16.649	16.696	VV	60342	1504836	1.03%	0.026%
250	16.714	16.696	16.725	VV	49865	816752	0.56%	0.014%
251	16.754	16.725	16.774	VV	48021	1372816	0.94%	0.023%
252	16.785	16.774	16.802	VV	46759	749066	0.51%	0.013%
253	16.841	16.802	16.859	VV	49804	1660138	1.14%	0.028%
254	16.885	16.859	16.931	VV	68869	2345920	1.60%	0.040%
255	16.972	16.931	17.024	VV	48527	2613659	1.79%	0.045%
256	17.055	17.024	17.102	VV	59645	2319319	1.59%	0.040%
257	17.136	17.102	17.155	VV	51773	1465905	1.00%	0.025%
258	17.174	17.155	17.191	VV	47587	1002094	0.69%	0.017%
259	17.228	17.191	17.358	VV	52110	4553755	3.11%	0.078%
260	17.378	17.358	17.408	VV	46233	1288796	0.88%	0.022%
261	17.435	17.408	17.458	VV	47076	1313062	0.90%	0.022%
262	17.506	17.458	17.564	VV	50506	3016392	2.06%	0.051%
263	17.574	17.564	17.629	VV	44896	1607786	1.10%	0.027%
264	17.676	17.629	17.805	VV	76968	5014618	3.43%	0.085%
265	17.832	17.805	17.859	VV	42111	1309889	0.90%	0.022%
266	17.878	17.859	17.898	VV	46237	1024472	0.70%	0.017%
267	17.917	17.898	17.959	VV	43242	1450783	0.99%	0.025%
268	18.043	17.959	18.103	VV	78573	3844063	2.63%	0.066%
269	18.113	18.103	18.141	VV	35529	768498	0.53%	0.013%
270	18.196	18.141	18.227	VV	40222	1800717	1.23%	0.031%
271	18.252	18.227	18.318	VV	38564	1863026	1.27%	0.032%
272	18.345	18.318	18.354	VV	34547	723797	0.49%	0.012%
273	18.386	18.354	18.432	VV	35879	1511958	1.03%	0.026%
274	18.467	18.432	18.488	VV	48463	1233278	0.84%	0.021%
275	18.511	18.488	18.558	VV	43125	1454075	0.99%	0.025%
276	18.576	18.558	18.613	VV	34407	1080347	0.74%	0.018%
277	18.638	18.613	18.715	VV	35203	1940762	1.33%	0.033%
278	18.794	18.715	18.839	VV	44595	2418547	1.65%	0.041%
279	18.861	18.839	18.902	VV	36067	1127438	0.77%	0.019%
280	18.974	18.902	19.035	VV	36339	2381884	1.63%	0.041%
281	19.065	19.035	19.081	VV	29822	790895	0.54%	0.013%
282	19.178	19.081	19.241	VV	44017	3056923	2.09%	0.052%
283	19.269	19.241	19.318	VV	31777	1315685	0.90%	0.022%
284	19.355	19.318	19.365	VV	30560	814988	0.56%	0.014%
285	19.393	19.365	19.441	VV	31032	1360657	0.93%	0.023%
286	19.451	19.441	19.478	VV	30247	644456	0.44%	0.011%
287	19.485	19.478	19.525	VV	31243	837274	0.57%	0.014%
288	19.569	19.525	19.626	VV	41419	2064809	1.41%	0.035%
289	19.682	19.626	19.733	VV	33211	1893787	1.29%	0.032%
290	19.745	19.733	19.765	VV	30741	562233	0.38%	0.010%
291	19.785	19.765	19.831	VV	31366	1212654	0.83%	0.021%
292	19.852	19.831	19.871	VV	33072	758121	0.52%	0.013%
293	19.875	19.871	19.912	VV	33367	771702	0.53%	0.013%
294	19.953	19.912	19.971	VV	36729	1161006	0.79%	0.020%
295	19.990	19.971	20.005	VV	33668	632769	0.43%	0.011%
296	20.012	20.005	20.036	VV	31503	585636	0.40%	0.010%
297	20.087	20.036	20.125	VV	38775	1812384	1.24%	0.031%
298	20.156	20.125	20.208	VV	34497	1635993	1.12%	0.028%
299	20.245	20.208	20.323	VV	33301	2196214	1.50%	0.037%

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300	20.349	20.323	20.406	VV	36237	1694388	1.16%	0.029%
301	20.419	20.406	20.435	VV	33844	583036	0.40%	0.010%
302	20.484	20.435	20.545	VV	37976	2180415	1.49%	0.037%
303	20.570	20.545	20.615	VV	32248	1235187	0.84%	0.021%
304	20.622	20.615	20.654	VV	27761	618343	0.42%	0.011%
305	20.679	20.654	20.705	VV	27390	802245	0.55%	0.014%
306	20.721	20.705	20.773	VV	26165	1018460	0.70%	0.017%
307	20.785	20.773	20.855	VV	24768	1151881	0.79%	0.020%
308	20.873	20.855	20.929	VV	24754	1006122	0.69%	0.017%
309	20.937	20.929	20.965	VV	21867	446941	0.31%	0.008%
310	20.994	20.965	21.027	VV	20898	717874	0.49%	0.012%
311	21.035	21.027	21.095	VV	19041	733147	0.50%	0.012%
312	21.106	21.095	21.114	VV	19089	209154	0.14%	0.004%
313	21.124	21.114	21.180	VV	19286	691034	0.47%	0.012%
314	21.208	21.180	21.218	VV	16229	351988	0.24%	0.006%
315	21.234	21.218	21.264	VV	16043	416933	0.29%	0.007%
316	21.276	21.264	21.351	VV	15509	717404	0.49%	0.012%
317	21.371	21.351	21.406	VV	13333	411541	0.28%	0.007%
318	21.418	21.406	21.428	VV	13336	166974	0.11%	0.003%
319	21.438	21.428	21.475	VV	13003	336053	0.23%	0.006%
320	21.485	21.475	21.519	VV	12350	299535	0.20%	0.005%
321	21.553	21.519	21.608	VV	10545	523865	0.36%	0.009%
322	21.623	21.608	21.678	VV	10629	381865	0.26%	0.007%
323	21.696	21.678	21.711	VV	8952	166178	0.11%	0.003%
324	21.729	21.711	21.745	VV	9466	178880	0.12%	0.003%
325	21.754	21.745	21.793	VV	8803	222138	0.15%	0.004%
326	21.815	21.793	21.851	VV	7778	235256	0.16%	0.004%
327	21.861	21.851	21.890	VV	6567	141058	0.10%	0.002%
328	21.907	21.890	21.948	VV	7147	222610	0.15%	0.004%
329	21.955	21.948	21.975	VV	6382	94248	0.06%	0.002%
330	21.983	21.975	21.997	VV	5658	72359	0.05%	0.001%
331	22.014	21.997	22.075	VV	5900	220376	0.15%	0.004%
332	22.085	22.075	22.105	VV	4111	67530	0.05%	0.001%
333	22.118	22.105	22.130	VV	4253	56307	0.04%	0.001%
334	22.154	22.130	22.178	VV	4026	97242	0.07%	0.002%
335	22.188	22.178	22.233	VV	3123	92593	0.06%	0.002%
336	22.245	22.233	22.261	VV	3965	48467	0.03%	0.001%
337	22.270	22.261	22.278	VV	2634	26205	0.02%	0.000%
338	22.290	22.278	22.315	VV	3384	50879	0.03%	0.001%
339	22.321	22.315	22.329	VV	2235	17815	0.01%	0.000%
340	22.338	22.329	22.378	VV	2403	47299	0.03%	0.001%
341	22.387	22.378	22.418	VV	1845	23384	0.02%	0.000%
342	22.441	22.418	22.461	VV	1916	29104	0.02%	0.000%
343	22.472	22.461	22.481	VV	1154	8553	0.01%	0.000%

Sum of corrected areas: 5865565823

Aliphatic EPH 012425.M Fri Feb 07 23:09:29 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-13	SDG No.:	Q1308
Lab Sample ID:	Q1308-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
FD049060.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	109	E	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	436	E	0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	468	E	1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	60.6		2.31	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	68.3		40 - 140	137%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	69.2		40 - 140	138%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	63.3		40 - 140	127%	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:	Q1308-12	Acq On:	07 Feb 2025 16:09
Client Sample ID:	EX-11-TPH-13	Operator:	YP/AJ
Data file:	FD049060.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	220124834	1420	200	ug/ml
Aromatic C12-C16	5.795	8.398	917016864	5650	300	ug/ml
Aromatic C16-C21	8.399	12.662	938826588	6070	500	ug/ml
Aromatic C21-C36	12.663	18.072	111867705	785.02	800	ug/ml
Aromatic EPH	4.076	18.072	2187835991	13900		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	9714336	68.26		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	5890489	69.23		ug/ml
ortho-Terphenyl (SURR)	11.257	11.257	10412959	63.32		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049060.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:09
Operator : YP/AJ
Sample : Q1308-12
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 23:59:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 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...	7.370	9714336	68.256 ug/mlm
Spiked Amount 50.000		Recovery = 136.51%	
6) S 2-Flurobiphenyl (SURR)	8.225	5890489	69.229 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 138.46%#	
11) S ortho-Terphenyl (SURR)	11.257	10412959	63.319 ug/mlm
Spiked Amount 50.000		Recovery = 126.64%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049060.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:09
Operator : YP/AJ
Sample : Q1308-12
Misc :
ALS Vial : 69 Sample Multiplier: 1

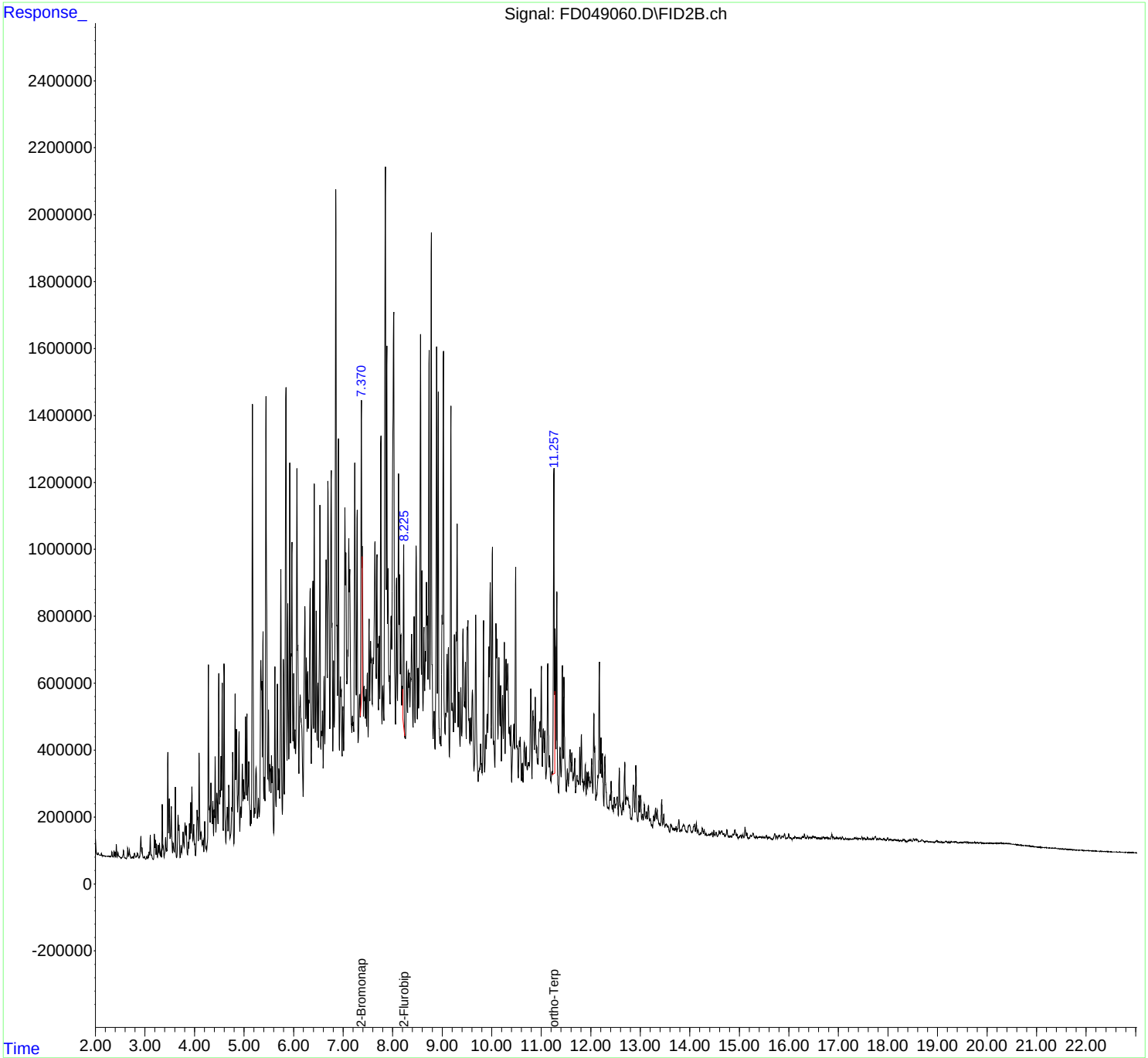
Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13

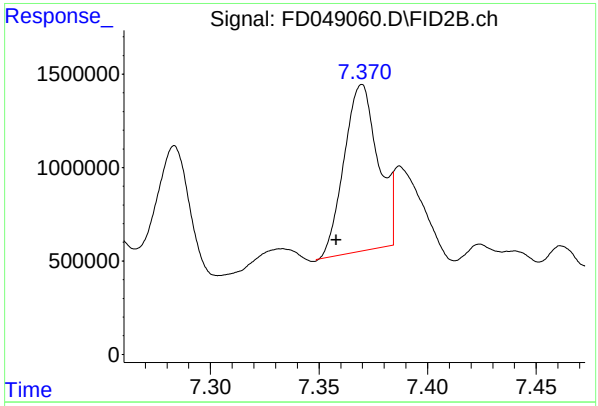
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 23:59:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





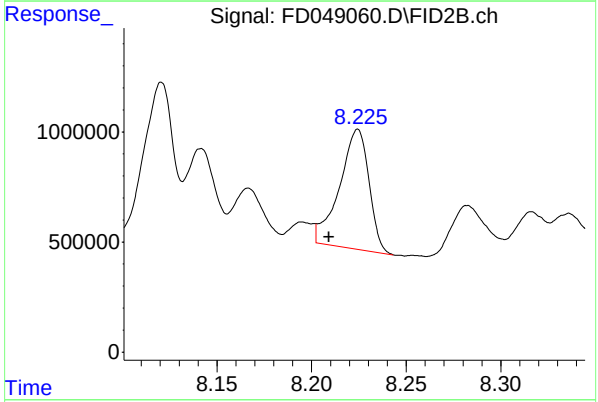
#4 2-Bromonaphthalene (SURR)

R.T.: 7.370 min
Delta R.T.: 0.012 min
Response: 9714336
Conc: 68.26 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13

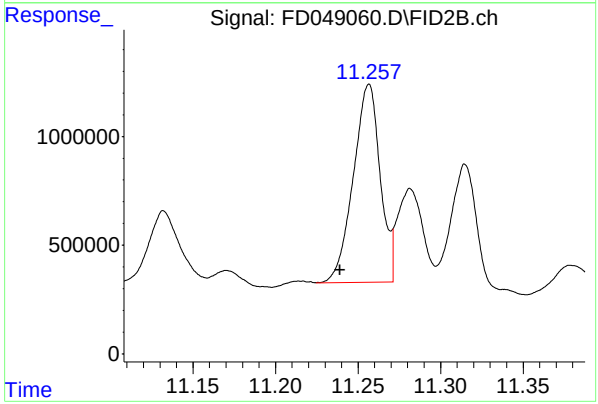
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: 0.015 min
Response: 5890489
Conc: 69.23 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.017 min
Response: 10412959
Conc: 63.32 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD02072
Data File : FD049060.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:09
Sample : Q1308-12
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.053	4.042	4.061	PV	44626	262543	0.61%	0.012%
2	4.066	4.061	4.078	PV	25500	144053	0.33%	0.006%
3	4.093	4.078	4.118	PV	266857	2706704	6.29%	0.122%
4	4.131	4.118	4.152	VV	42391	623904	1.45%	0.028%
5	4.159	4.152	4.165	VV	17074	112983	0.26%	0.005%
6	4.174	4.165	4.188	VV	30842	254934	0.59%	0.011%
7	4.206	4.188	4.228	PV	91184	1038902	2.41%	0.047%
8	4.236	4.228	4.247	VV	13665	106711	0.25%	0.005%
9	4.281	4.247	4.297	VV	559514	5561171	12.92%	0.250%
10	4.302	4.297	4.315	VV	130477	1227180	2.85%	0.055%
11	4.331	4.315	4.360	VV	205522	3640623	8.46%	0.164%
12	4.371	4.360	4.385	VV	150723	1577326	3.66%	0.071%
13	4.398	4.385	4.405	VV	125493	1147172	2.66%	0.052%
14	4.418	4.405	4.433	VV	283410	2843001	6.60%	0.128%
15	4.453	4.433	4.475	VV	175361	3248898	7.55%	0.146%
16	4.490	4.475	4.508	VV	531661	5717638	13.28%	0.257%
17	4.517	4.508	4.523	VV	183191	1531660	3.56%	0.069%
18	4.535	4.523	4.546	VV	285901	3128545	7.27%	0.141%
19	4.559	4.546	4.580	VV	503187	5428066	12.61%	0.244%
20	4.598	4.580	4.633	VV	560795	6726658	15.63%	0.303%
21	4.663	4.633	4.678	VV	133483	2402688	5.58%	0.108%
22	4.693	4.678	4.717	VV	198402	2646261	6.15%	0.119%
23	4.753	4.717	4.758	VV	131572	1848827	4.29%	0.083%
24	4.772	4.758	4.796	VV	297095	3455520	8.03%	0.155%
25	4.821	4.796	4.833	VV	470672	4871598	11.32%	0.219%
26	4.846	4.833	4.871	VV	363873	5825914	13.53%	0.262%
27	4.899	4.871	4.915	VV	357699	5176496	12.02%	0.233%
28	4.935	4.915	4.946	VV	132917	2070791	4.81%	0.093%
29	4.966	4.946	4.980	VV	261283	3918316	9.10%	0.176%
30	4.990	4.980	5.001	VV	214326	2282855	5.30%	0.103%
31	5.007	5.001	5.014	VV	168706	1289804	3.00%	0.058%
32	5.030	5.014	5.045	VV	402293	4937998	11.47%	0.222%
33	5.058	5.045	5.072	VV	410438	4541018	10.55%	0.204%
34	5.097	5.072	5.128	VV	267918	5891774	13.69%	0.265%
35	5.140	5.128	5.149	VV	122326	1236948	2.87%	0.056%
36	5.170	5.149	5.202	VV	1336594	18340640	42.60%	0.825%

Instrument :
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Manual IntegrationsAPPROVED

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rteres

37	5.212	5.202	5.220	VV	129232	1277366	2.97%	0.057%
38	5.244	5.220	5.270	VV	247722	5252723	12	
39	5.292	5.270	5.306	VV	158739	2745391	6	
40	5.339	5.306	5.352	VV	570133	9519533	22	
41	5.358	5.352	5.370	VV	508136	4574957	10	
42	5.382	5.370	5.399	VV	654029	7079841	16	
43	5.410	5.399	5.423	VV	220800	2659035	6.18%	0.120%
44	5.443	5.423	5.482	VV	1359721	22552022	52.39%	1.015%
45	5.496	5.482	5.509	VV	421149	4726734	10.98%	0.213%
46	5.520	5.509	5.527	VV	259047	2615935	6.08%	0.118%
47	5.531	5.527	5.544	VV	246388	2185751	5.08%	0.098%
48	5.555	5.544	5.566	VV	285234	3101585	7.20%	0.140%
49	5.576	5.566	5.600	VV	252346	3283842	7.63%	0.148%
50	5.624	5.600	5.648	VV	550379	7072858	16.43%	0.318%
51	5.675	5.648	5.691	VV	498701	7796946	18.11%	0.351%
52	5.702	5.691	5.717	VV	245587	3233902	7.51%	0.145%
53	5.744	5.717	5.774	VV	839916	13086889	30.40%	0.589%
54	5.796	5.774	5.812	VV	571289	7147826	16.60%	0.322%
55	5.847	5.812	5.868	VV	1383282	24178064	56.16%	1.088%
56	5.883	5.868	5.906	VV	736554	10594711	24.61%	0.477%
57	5.925	5.906	5.937	VV	1162594	12788139	29.71%	0.575%
58	5.966	5.937	5.988	VV	920446	17716616	41.15%	0.797%
59	6.004	5.988	6.017	VV	529165	7125700	16.55%	0.321%
60	6.026	6.017	6.040	VV	361640	4502748	10.46%	0.203%
61	6.069	6.040	6.108	VV	1141203	23149362	53.77%	1.041%
62	6.135	6.108	6.194	VV	464461	18022546	41.86%	0.811%
63	6.230	6.194	6.246	VV	728116	15040341	34.94%	0.677%
64	6.260	6.246	6.272	VV	575914	7547126	17.53%	0.340%
65	6.285	6.272	6.298	VV	533810	6761810	15.71%	0.304%
66	6.309	6.298	6.313	VV	448357	3828872	8.89%	0.172%
67	6.335	6.313	6.357	VV	783493	14847241	34.49%	0.668%
68	6.390	6.357	6.403	VV	804611	13436117	31.21%	0.604%
69	6.418	6.403	6.439	VV	1094250	14141654	32.85%	0.636%
70	6.459	6.439	6.475	VV	716247	10733030	24.93%	0.483%
71	6.491	6.475	6.504	VV	499187	7161187	16.63%	0.322%
72	6.534	6.504	6.550	VV	1030851	16903128	39.26%	0.760%
73	6.563	6.550	6.573	VV	355770	4589470	10.66%	0.206%
74	6.585	6.573	6.599	VV	415401	5608509	13.03%	0.252%
75	6.616	6.599	6.632	VV	518861	7903267	18.36%	0.356%
76	6.657	6.632	6.680	VV	868207	18624036	43.26%	0.838%
77	6.695	6.680	6.733	VV	1102274	23987315	55.72%	1.079%
78	6.760	6.733	6.794	VV	1133659	25388608	58.98%	1.142%
79	6.806	6.794	6.821	VV	563901	7104719	16.50%	0.320%
80	6.854	6.821	6.887	VV	1974044	37014927	85.98%	1.665%
81	6.906	6.887	6.926	VV	1226472	16728042	38.86%	0.753%
82	6.946	6.926	6.956	VV	518534	8017078	18.62%	0.361%
83	6.963	6.956	6.980	VV	477952	5771897	13.41%	0.260%
84	6.996	6.980	7.013	VV	428240	6981636	16.22%	0.314%
85	7.038	7.013	7.049	VV	1022075	14791362	34.36%	0.665%
86	7.057	7.049	7.084	VV	887117	14178511	32.94%	0.638%
87	7.096	7.084	7.100	VV	596540	5415471	12.58%	0.244%
88	7.115	7.100	7.127	VV	929572	12608874	29.29%	0.567%
89	7.135	7.127	7.177	VV	838657	16782231	38.98%	0.755%

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rteres

90	7.189	7.177	7.199	VV	399832	4835239	11.23%	0.218%
91	7.204	7.199	7.214	VV	381243	3429381	7	
92	7.236	7.214	7.266	VV	1156040	22197196	51	
93	7.283	7.266	7.304	VV	1015477	14884605	34	
94	7.333	7.304	7.347	VV	463252	10441167	24	
95	7.370	7.347	7.382	VV	1346044	18135782	42	
96	7.387	7.382	7.413	VV	905392	12784948	29.70%	0.575%
97	7.424	7.413	7.435	VV	487694	6040337	14.03%	0.272%
98	7.440	7.435	7.451	VV	451436	4284598	9.95%	0.193%
99	7.462	7.451	7.474	VV	477857	5726180	13.30%	0.258%
100	7.490	7.474	7.507	VV	527927	8730071	20.28%	0.393%
101	7.525	7.507	7.540	VV	688180	10347166	24.04%	0.466%
102	7.556	7.540	7.567	VV	620938	9121570	21.19%	0.410%
103	7.572	7.567	7.588	VV	565853	6442904	14.97%	0.290%
104	7.609	7.588	7.616	VV	572815	8908841	20.69%	0.401%
105	7.642	7.616	7.668	VV	920436	22468999	52.19%	1.011%
106	7.683	7.668	7.714	VV	881431	17542581	40.75%	0.789%
107	7.729	7.714	7.742	VV	636656	8865845	20.59%	0.399%
108	7.763	7.742	7.786	VV	1234163	19979963	46.41%	0.899%
109	7.803	7.786	7.823	VV	487008	9595204	22.29%	0.432%
110	7.854	7.823	7.868	VV	2038007	33677859	78.23%	1.515%
111	7.883	7.868	7.897	VV	1504394	18894715	43.89%	0.850%
112	7.908	7.897	7.927	VV	837248	12287425	28.54%	0.553%
113	7.932	7.927	7.948	VV	516255	6171222	14.34%	0.278%
114	7.969	7.948	7.982	VV	695445	12211316	28.37%	0.549%
115	8.021	7.982	8.058	VV	1606656	43049658	100.00%	1.937%
116	8.078	8.058	8.098	VV	808559	13670451	31.76%	0.615%
117	8.121	8.098	8.132	VV	1122093	16180878	37.59%	0.728%
118	8.142	8.132	8.156	VV	819807	9880410	22.95%	0.445%
119	8.167	8.156	8.184	VV	640234	9516957	22.11%	0.428%
120	8.195	8.184	8.204	VV	485825	5386566	12.51%	0.242%
121	8.224	8.204	8.261	VV	907246	17967637	41.74%	0.808%
122	8.282	8.261	8.302	VV	561097	11140498	25.88%	0.501%
123	8.316	8.302	8.326	VV	533286	7024801	16.32%	0.316%
124	8.336	8.326	8.351	VV	523999	7191455	16.71%	0.324%
125	8.385	8.351	8.413	VV	642065	19016050	44.17%	0.856%
126	8.435	8.413	8.453	VV	694123	12557669	29.17%	0.565%
127	8.475	8.453	8.498	VV	903584	17459643	40.56%	0.785%
128	8.512	8.498	8.526	VV	538613	7841985	18.22%	0.353%
129	8.565	8.526	8.582	VV	1536069	27685634	64.31%	1.246%
130	8.594	8.582	8.615	VV	831002	12245360	28.44%	0.551%
131	8.633	8.615	8.648	VV	661420	10765006	25.01%	0.484%
132	8.664	8.648	8.671	VV	589671	7446917	17.30%	0.335%
133	8.684	8.671	8.694	VV	795746	9650323	22.42%	0.434%
134	8.700	8.694	8.715	VV	695097	7865329	18.27%	0.354%
135	8.736	8.715	8.752	VV	1493461	20792164	48.30%	0.935%
136	8.781	8.752	8.819	VV	1844241	33387665	77.56%	1.502%
137	8.840	8.819	8.856	VV	409966	8129897	18.88%	0.366%
138	8.890	8.856	8.905	VV	1499468	23231916	53.97%	1.045%
139	8.922	8.905	8.955	VV	1360869	19875038	46.17%	0.894%
140	8.966	8.955	8.976	VV	333973	4109930	9.55%	0.185%
141	9.000	8.976	9.005	VV	694509	9159729	21.28%	0.412%

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rteres

142	9.026	9.005	9.060	VV	1484935	25684635	59.66%	1.156%
143	9.073	9.060	9.080	VV	403362	4553104	10	
144	9.098	9.080	9.110	VV	580464	8726034	20	
145	9.125	9.110	9.149	VV	599124	10097986	23	
146	9.177	9.149	9.196	VV	1320346	19923371	46	
147	9.205	9.196	9.229	VV	433940	8102694	18	
148	9.248	9.229	9.263	VV	635879	9715222	22.57%	0.437%
149	9.283	9.263	9.290	VV	645464	8735634	20.29%	0.393%
150	9.303	9.290	9.323	VV	968200	13563399	31.51%	0.610%
151	9.340	9.323	9.363	VV	466503	9223332	21.42%	0.415%
152	9.378	9.363	9.396	VV	478581	7765575	18.04%	0.349%
153	9.421	9.396	9.447	VV	654549	15117969	35.12%	0.680%
154	9.453	9.447	9.459	VV	428514	2838193	6.59%	0.128%
155	9.472	9.459	9.487	VV	555011	7739530	17.98%	0.348%
156	9.509	9.487	9.513	VV	659975	8344017	19.38%	0.375%
157	9.520	9.513	9.559	VV	678799	12952602	30.09%	0.583%
158	9.575	9.559	9.590	VV	388879	6492344	15.08%	0.292%
159	9.612	9.590	9.643	VV	471173	11896509	27.63%	0.535%
160	9.679	9.643	9.728	VV	696241	18183533	42.24%	0.818%
161	9.778	9.728	9.806	VV	310000	11462362	26.63%	0.516%
162	9.836	9.806	9.858	VV	675110	11669048	27.11%	0.525%
163	9.880	9.858	9.891	VV	336448	5608444	13.03%	0.252%
164	9.910	9.891	9.922	VV	398864	6718629	15.61%	0.302%
165	9.944	9.922	9.953	VV	599144	9149383	21.25%	0.412%
166	9.971	9.953	9.992	VV	791023	13771340	31.99%	0.620%
167	10.014	9.992	10.037	VV	897518	14833599	34.46%	0.667%
168	10.046	10.037	10.065	VV	318697	4800143	11.15%	0.216%
169	10.088	10.065	10.100	VV	668771	10600629	24.62%	0.477%
170	10.109	10.100	10.128	VV	621875	8322821	19.33%	0.374%
171	10.147	10.128	10.170	VV	566856	11107325	25.80%	0.500%
172	10.182	10.170	10.198	VV	484234	6553440	15.22%	0.295%
173	10.220	10.198	10.237	VV	454065	8684388	20.17%	0.391%
174	10.257	10.237	10.272	VV	613202	9570693	22.23%	0.431%
175	10.291	10.272	10.305	VV	559757	8934842	20.75%	0.402%
176	10.326	10.305	10.352	VV	547500	13149484	30.54%	0.592%
177	10.359	10.352	10.374	VV	358242	4529169	10.52%	0.204%
178	10.387	10.374	10.403	VV	363868	5297486	12.31%	0.238%
179	10.449	10.403	10.463	VV	368796	10649589	24.74%	0.479%
180	10.485	10.463	10.537	VV	835062	18207567	42.29%	0.819%
181	10.558	10.537	10.565	VV	318159	4530010	10.52%	0.204%
182	10.576	10.565	10.602	VV	328759	6080223	14.12%	0.274%
183	10.617	10.602	10.634	VV	250435	4252855	9.88%	0.191%
184	10.659	10.634	10.683	VV	312048	7736188	17.97%	0.348%
185	10.698	10.683	10.722	VV	297589	6075415	14.11%	0.273%
186	10.740	10.722	10.750	VV	252755	4150544	9.64%	0.187%
187	10.760	10.750	10.765	VV	245580	2071579	4.81%	0.093%
188	10.791	10.765	10.814	VV	472670	10465020	24.31%	0.471%
189	10.832	10.814	10.840	VV	406135	5225511	12.14%	0.235%
190	10.845	10.840	10.863	VV	388311	4751181	11.04%	0.214%
191	10.881	10.863	10.902	VV	446821	8328951	19.35%	0.375%
192	10.909	10.902	10.923	VV	297867	3566675	8.29%	0.160%
193	10.931	10.923	10.938	VV	262863	2340583	5.44%	0.105%
194	10.976	10.938	10.987	VV	374484	9838242	22.85%	0.443%

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rteres

195	11.003	10.987	11.023	VV	538223	8369111	19.44%	0.377%
196	11.044	11.023	11.060	VV	352023	6839420	15	
197	11.074	11.060	11.095	VV	345713	6134287	14	
198	11.132	11.095	11.159	VV	547698	12443766	28	
199	11.170	11.159	11.198	VV	272697	5494289	12	
200	11.215	11.198	11.225	VV	222272	3524499	8	
201	11.257	11.225	11.270	VV	1131672	16050809	37.28%	0.722%
202	11.282	11.270	11.297	VV	649450	8225950	19.11%	0.370%
203	11.315	11.297	11.352	VV	759757	12087720	28.08%	0.544%
204	11.379	11.352	11.403	VV	295719	7171115	16.66%	0.323%
205	11.428	11.403	11.444	VV	540113	8664448	20.13%	0.390%
206	11.460	11.444	11.507	VV	505297	11342973	26.35%	0.510%
207	11.530	11.507	11.546	VV	232333	4715685	10.95%	0.212%
208	11.584	11.546	11.604	VV	289364	8234652	19.13%	0.370%
209	11.619	11.604	11.644	VV	279493	5703141	13.25%	0.257%
210	11.655	11.644	11.661	VV	212586	2124520	4.94%	0.096%
211	11.678	11.661	11.695	VV	263044	4459560	10.36%	0.201%
212	11.723	11.695	11.734	VV	212053	4467313	10.38%	0.201%
213	11.738	11.734	11.761	VV	196577	3126555	7.26%	0.141%
214	11.780	11.761	11.794	VV	295611	4510356	10.48%	0.203%
215	11.812	11.794	11.835	VV	333770	6309918	14.66%	0.284%
216	11.841	11.835	11.856	VV	195095	2357004	5.48%	0.106%
217	11.869	11.856	11.876	VV	194965	2242491	5.21%	0.101%
218	11.891	11.876	11.907	VV	242761	3811793	8.85%	0.171%
219	11.924	11.907	11.937	VV	219802	3330955	7.74%	0.150%
220	11.952	11.937	11.962	VV	222462	3052797	7.09%	0.137%
221	11.971	11.962	11.984	VV	205756	2568171	5.97%	0.116%
222	11.993	11.984	12.002	VV	193224	2020225	4.69%	0.091%
223	12.019	12.002	12.044	VV	260723	5215696	12.12%	0.235%
224	12.064	12.044	12.076	VV	394513	5494745	12.76%	0.247%
225	12.081	12.076	12.103	VV	293524	3631124	8.43%	0.163%
226	12.144	12.103	12.152	VV	210953	4986415	11.58%	0.224%
227	12.174	12.152	12.192	VV	550140	8716137	20.25%	0.392%
228	12.209	12.192	12.224	VV	323594	5169669	12.01%	0.233%
229	12.237	12.224	12.265	VV	276311	4998527	11.61%	0.225%
230	12.285	12.265	12.340	VV	265186	7689190	17.86%	0.346%
231	12.361	12.340	12.366	VV	113937	1759257	4.09%	0.079%
232	12.386	12.366	12.397	VV	149948	2452016	5.70%	0.110%
233	12.412	12.397	12.433	VV	193140	3329749	7.73%	0.150%
234	12.444	12.433	12.456	VV	120843	1535731	3.57%	0.069%
235	12.475	12.456	12.492	VV	144439	2741013	6.37%	0.123%
236	12.506	12.492	12.511	VV	123561	1374481	3.19%	0.062%
237	12.532	12.511	12.556	VV	145490	3455367	8.03%	0.155%
238	12.576	12.556	12.627	VV	231738	5857585	13.61%	0.264%
239	12.648	12.627	12.660	VV	127475	2193926	5.10%	0.099%
240	12.686	12.660	12.704	VV	248562	4545790	10.56%	0.205%
241	12.717	12.704	12.722	VV	143888	1540018	3.58%	0.069%
242	12.729	12.722	12.742	VV	144890	1630216	3.79%	0.073%
243	12.750	12.742	12.775	VV	141884	2651871	6.16%	0.119%
244	12.784	12.775	12.808	VV	119262	2048923	4.76%	0.092%
245	12.819	12.808	12.829	VV	81563	964255	2.24%	0.043%
246	12.862	12.829	12.890	VV	179330	5030628	11.69%	0.226%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	12.911	12.890	12.952	VV	239470	4942034	11.48%	0.222%
248	12.973	12.952	12.987	VV	148983	2366243	5	
249	13.006	12.987	13.029	VV	149349	2933455	6	
250	13.046	13.029	13.061	VV	92617	1645606	3	
251	13.083	13.061	13.109	VV	121981	2712822	6	
252	13.127	13.109	13.142	VV	100152	1762253	4	
253	13.165	13.142	13.185	VV	118620	2490391	5.78%	0.112%
254	13.203	13.185	13.225	VV	79170	1698394	3.95%	0.076%
255	13.232	13.225	13.250	VV	60980	868299	2.02%	0.039%
256	13.270	13.250	13.287	VV	86958	1647578	3.83%	0.074%
257	13.307	13.287	13.324	VV	111153	1955417	4.54%	0.088%
258	13.340	13.324	13.383	VV	104788	2894241	6.72%	0.130%
259	13.390	13.383	13.405	VV	63619	808011	1.88%	0.036%
260	13.432	13.405	13.452	VV	135444	2493653	5.79%	0.112%
261	13.474	13.452	13.495	VV	91135	1845445	4.29%	0.083%
262	13.522	13.495	13.554	VV	62046	2028110	4.71%	0.091%
263	13.563	13.554	13.594	VV	55416	1151065	2.67%	0.052%
264	13.615	13.594	13.627	VV	61733	1053249	2.45%	0.047%
265	13.632	13.627	13.652	VV	56882	758286	1.76%	0.034%
266	13.670	13.652	13.683	VV	49739	877290	2.04%	0.039%
267	13.700	13.683	13.711	VV	49479	770863	1.79%	0.035%
268	13.722	13.711	13.737	VV	54225	738602	1.72%	0.033%
269	13.777	13.737	13.801	VV	75341	2020803	4.69%	0.091%
270	13.821	13.801	13.839	VV	44311	967429	2.25%	0.044%
271	13.876	13.839	13.948	VV	60029	3127028	7.26%	0.141%
272	13.975	13.948	13.984	VV	57497	1037935	2.41%	0.047%
273	13.994	13.984	14.040	VV	58597	1590974	3.70%	0.072%
274	14.092	14.040	14.112	VV	59764	2003420	4.65%	0.090%
275	14.131	14.112	14.149	VV	64231	1081578	2.51%	0.049%
276	14.162	14.149	14.199	VV	44277	1066956	2.48%	0.048%
277	14.202	14.199	14.207	VV	29454	146271	0.34%	0.007%
278	14.221	14.207	14.230	VV	34139	441706	1.03%	0.020%
279	14.249	14.230	14.275	VV	48795	1080246	2.51%	0.049%
280	14.290	14.275	14.313	VV	44111	811411	1.88%	0.037%
281	14.324	14.313	14.342	VV	30299	491212	1.14%	0.022%
282	14.357	14.342	14.360	VV	27003	290645	0.68%	0.013%
283	14.379	14.360	14.387	VV	28823	448760	1.04%	0.020%
284	14.390	14.387	14.403	VV	28401	264342	0.61%	0.012%
285	14.421	14.403	14.433	VV	31796	527727	1.23%	0.024%
286	14.447	14.433	14.466	VV	36591	604396	1.40%	0.027%
287	14.484	14.466	14.506	VV	40800	762922	1.77%	0.034%
288	14.530	14.506	14.558	VV	35252	887161	2.06%	0.040%
289	14.591	14.558	14.610	VV	39745	962648	2.24%	0.043%
290	14.646	14.610	14.675	VV	39279	1338284	3.11%	0.060%
291	14.688	14.675	14.707	VV	30911	526985	1.22%	0.024%
292	14.747	14.707	14.780	VV	42048	1289145	2.99%	0.058%
293	14.790	14.780	14.812	VV	22418	407826	0.95%	0.018%
294	14.828	14.812	14.840	VV	23247	364736	0.85%	0.016%
295	14.844	14.840	14.847	VV	21379	82518	0.19%	0.004%
296	14.867	14.847	14.875	VV	28536	426226	0.99%	0.019%
297	14.881	14.875	14.888	VV	28383	222008	0.52%	0.010%
298	14.910	14.888	14.940	VV	40413	1022556	2.38%	0.046%
299	14.952	14.940	14.980	VV	28583	518709	1.20%	0.023%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	15.001	14.980	15.006	VV	21044	299257	0.70%	0.013%
301	15.029	15.006	15.045	VV	25070	519007		
302	15.070	15.045	15.088	VV	26771	551894		
303	15.113	15.088	15.136	VV	48969	917620		
304	15.152	15.136	15.179	VV	30845	597990		
305	15.190	15.179	15.203	VV	17049	228792		
306	15.226	15.203	15.238	VV	24848	441260	1.03%	0.020%
307	15.276	15.238	15.323	VV	30603	1184094	2.75%	0.053%
308	15.340	15.323	15.369	VV	21929	501930	1.17%	0.023%
309	15.377	15.369	15.387	VV	18235	192492	0.45%	0.009%
310	15.404	15.387	15.416	VV	19244	317984	0.74%	0.014%
311	15.439	15.416	15.458	VV	19932	462935	1.08%	0.021%
312	15.471	15.458	15.490	VV	19528	352991	0.82%	0.016%
313	15.502	15.490	15.519	VV	18954	291053	0.68%	0.013%
314	15.540	15.519	15.566	VV	22737	541058	1.26%	0.024%
315	15.581	15.566	15.597	VV	18109	309171	0.72%	0.014%
316	15.615	15.597	15.639	VV	19672	401717	0.93%	0.018%
317	15.643	15.639	15.665	VV	14078	192131	0.45%	0.009%
318	15.715	15.665	15.734	VV	28255	794824	1.85%	0.036%
319	15.753	15.734	15.772	VV	21811	393248	0.91%	0.018%
320	15.811	15.772	15.837	VV	23258	736619	1.71%	0.033%
321	15.862	15.837	15.884	VV	20814	505275	1.17%	0.023%
322	15.911	15.884	15.945	VV	27640	712509	1.66%	0.032%
323	15.966	15.945	15.975	VV	15857	253903	0.59%	0.011%
324	15.995	15.975	16.016	VV	27275	506527	1.18%	0.023%
325	16.032	16.016	16.064	VV	15198	387619	0.90%	0.017%
326	16.093	16.064	16.104	VV	15002	331073	0.77%	0.015%
327	16.126	16.104	16.150	VV	18286	435998	1.01%	0.020%
328	16.181	16.150	16.207	VV	15370	483793	1.12%	0.022%
329	16.217	16.207	16.245	VV	14456	307670	0.71%	0.014%
330	16.280	16.245	16.296	VV	19181	492116	1.14%	0.022%
331	16.312	16.296	16.332	VV	26223	428015	0.99%	0.019%
332	16.341	16.332	16.350	VV	14268	147758	0.34%	0.007%
333	16.374	16.350	16.407	VV	19670	529259	1.23%	0.024%
334	16.426	16.407	16.452	VV	16808	396768	0.92%	0.018%
335	16.457	16.452	16.467	VV	15409	130242	0.30%	0.006%
336	16.485	16.467	16.518	VV	18846	510769	1.19%	0.023%
337	16.529	16.518	16.552	VV	16988	319283	0.74%	0.014%
338	16.562	16.552	16.576	VV	14162	188693	0.44%	0.008%
339	16.590	16.576	16.608	VV	14192	244624	0.57%	0.011%
340	16.619	16.608	16.632	VV	13712	182762	0.42%	0.008%
341	16.635	16.632	16.641	VV	12802	62904	0.15%	0.003%
342	16.649	16.641	16.660	VV	12657	139174	0.32%	0.006%
343	16.694	16.660	16.719	VV	17032	486807	1.13%	0.022%
344	16.739	16.719	16.754	VV	14267	273899	0.64%	0.012%
345	16.771	16.754	16.795	VV	16384	330052	0.77%	0.015%
346	16.812	16.795	16.827	VV	13579	220225	0.51%	0.010%
347	16.865	16.827	16.883	VV	22739	522899	1.21%	0.024%
348	16.898	16.883	16.916	VV	16144	268845	0.62%	0.012%
349	16.936	16.916	16.947	VV	13059	213455	0.50%	0.010%
350	16.960	16.947	16.984	VV	13530	263395	0.61%	0.012%
351	16.998	16.984	17.010	VV	12650	180671	0.42%	0.008%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

352	17.037	17.010	17.060	VV	12932	344638	0.80%	0.016%
353	17.079	17.060	17.115	VV	15811	378959		
354	17.145	17.115	17.162	VV	10546	261291		
355	17.182	17.162	17.195	VV	9795	171006		
356	17.212	17.195	17.234	VV	10030	200391		
357	17.242	17.234	17.260	VV	9568	141135		
358	17.264	17.260	17.272	VV	8529	57659	0.13%	0.003%
359	17.278	17.272	17.285	VV	8616	66381	0.15%	0.003%
360	17.336	17.285	17.357	VV	12989	435685	1.01%	0.020%
361	17.373	17.357	17.396	VV	11508	229701	0.53%	0.010%
362	17.411	17.396	17.424	VV	11163	158268	0.37%	0.007%
363	17.430	17.424	17.450	VV	9910	144025	0.33%	0.006%
364	17.471	17.450	17.495	VV	14278	278993	0.65%	0.013%
365	17.524	17.495	17.546	VV	11916	297490	0.69%	0.013%
366	17.552	17.546	17.557	VV	7795	42638	0.10%	0.002%
367	17.588	17.557	17.612	VV	11839	282371	0.66%	0.013%
368	17.635	17.612	17.652	VV	8804	185058	0.43%	0.008%
369	17.681	17.652	17.704	VV	9275	234330	0.54%	0.011%
370	17.745	17.704	17.777	VV	15121	455695	1.06%	0.021%
371	17.796	17.777	17.814	VV	9378	169464	0.39%	0.008%
372	17.837	17.814	17.869	VV	10154	235870	0.55%	0.011%
373	17.882	17.869	17.892	VV	6782	80008	0.19%	0.004%
374	17.911	17.892	17.941	VV	9289	190809	0.44%	0.009%
375	17.945	17.941	17.962	VV	5390	55849	0.13%	0.003%
376	17.994	17.962	18.014	VV	11120	206060	0.48%	0.009%
377	18.021	18.014	18.026	VV	4364	30181	0.07%	0.001%
378	18.047	18.026	18.052	VV	6341	80054	0.19%	0.004%
379	18.056	18.052	18.067	VV	5658	43725	0.10%	0.002%
380	18.072	18.067	18.091	VV	4844	57351	0.13%	0.003%
381	18.109	18.091	18.114	VV	4397	50772	0.12%	0.002%
382	18.129	18.114	18.185	VV	5852	157848	0.37%	0.007%
383	18.204	18.185	18.228	VV	4549	67868	0.16%	0.003%
384	18.263	18.228	18.282	VV	2717	49676	0.12%	0.002%

Sum of corrected areas: 2222755342

Aromatic EPH 012425.M Sat Feb 08 00:46:46 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-13DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-12DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
FC068244.D	10	02/06/25	02/10/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1030	E	4.40	11.6	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1790	E	2.78	7.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	527	E	3.47	11.6	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	111		9.26	15.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	90.2		20.8	23.1	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	7.08		40 - 140	142%	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:	Q1308-12DL	Acq On:	10 Feb 2025 10:55
Client Sample ID:	EX-11-TPH-13DL	Operator:	YP/AJ
Data file:	FC068244.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.108	6.374	184722555	1330	300	ug/ml
Aliphatic C12-C16	6.375	9.758	319875191	2320	200	ug/ml
Aliphatic C16-C21	9.759	13.112	92382637	684.218	300	ug/ml
Aliphatic C21-C28	13.113	16.764	18344801	144.212	400	ug/ml
Aliphatic C28-C40	16.765	21.564	12114093	116.888	600	ug/ml
Aliphatic EPH	3.108	21.564	627439277	4600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.841	12.841	814082	7.08		ug/ml
Aliphatic C9-C28	3.108	16.764	615325184	4490	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068244.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 10:55
Operator : YP/AJ
Sample : Q1308-12DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 10 23:15:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.841	814082	7.079 ug/mlm
Spiked Amount 50.000		Recovery = 14.16%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068244.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 10:55
Operator : YP/AJ
Sample : Q1308-12DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

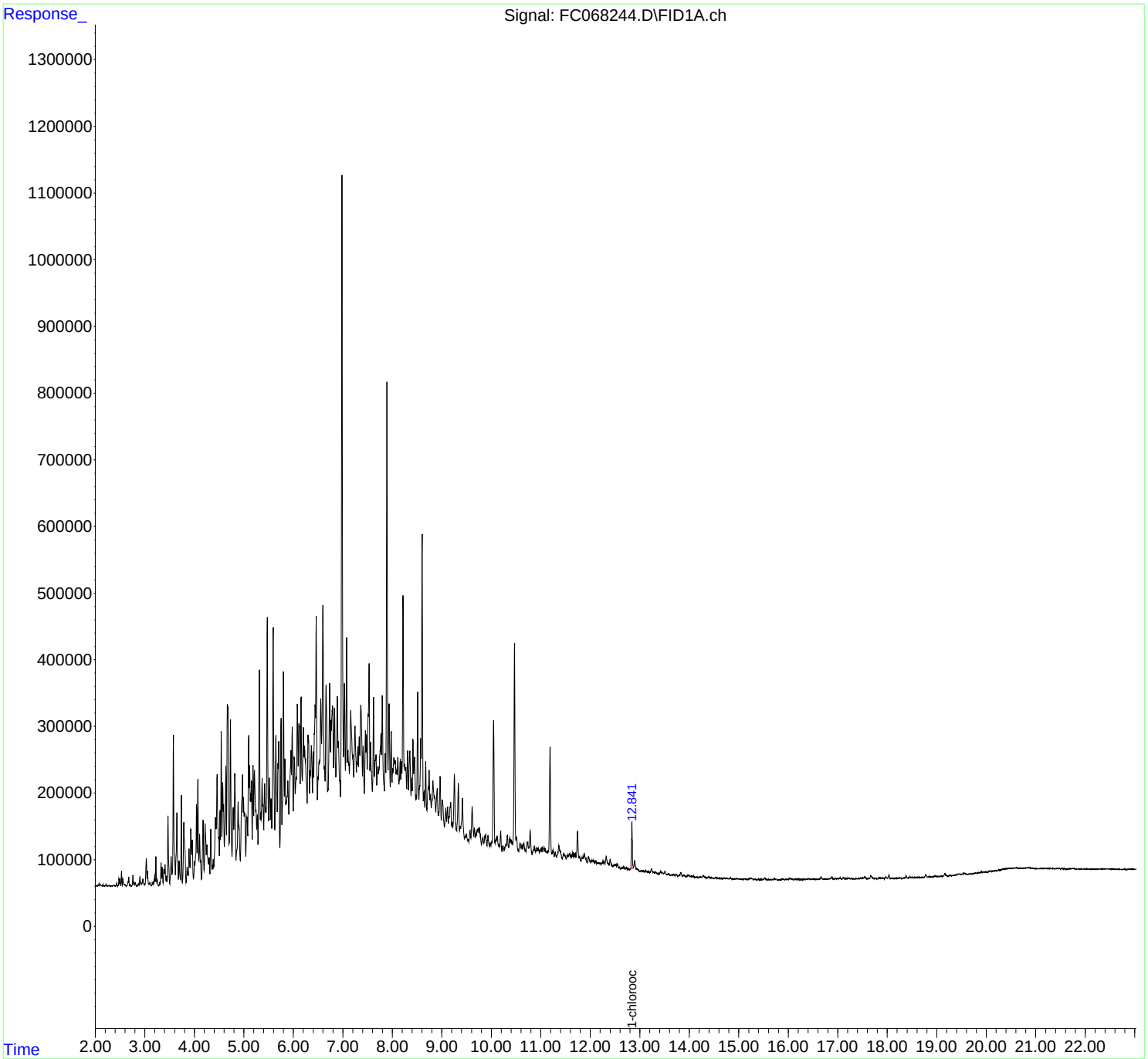
Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL

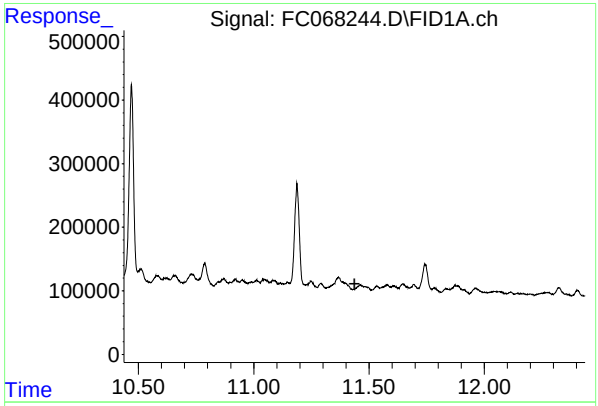
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 10 23:15:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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





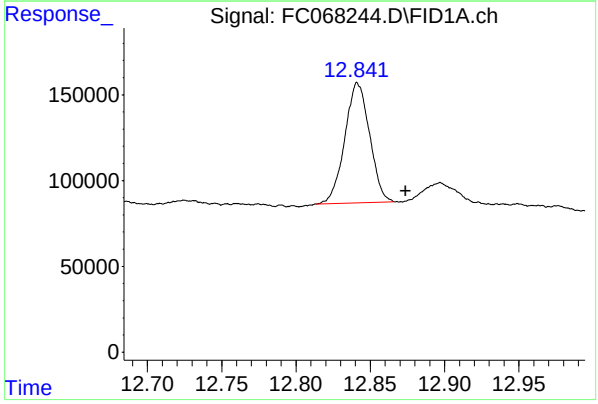
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



#12 1-chlorooctadecane (SURR)

R.T.: 12.841 min
Delta R.T.: -0.033 min
Response: 814082
Conc: 7.08 ug/ml m

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02102
Data File : FC068244.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 10:55
Sample : Q1308-12DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	2.335	2.304	2.346	BV	475	3702	0.02%	0.001%
2	3.929	3.911	3.948	VV	85916	1232046	7.36%	0.196%
3	3.958	3.948	3.982	VV	69093	851394	5.08%	0.136%
4	4.044	3.982	4.056	VV	122616	2163663	12.92%	0.345%
5	4.071	4.056	4.090	VV	160031	1860247	11.11%	0.296%
6	4.107	4.090	4.144	VV	78192	1373461	8.20%	0.219%
7	4.177	4.144	4.196	VV	100090	1517634	9.06%	0.242%
8	4.218	4.196	4.242	VV	92658	1700636	10.15%	0.271%
9	4.253	4.242	4.284	VV	61945	1209837	7.22%	0.193%
10	4.299	4.284	4.314	VV	42220	588923	3.52%	0.094%
11	4.331	4.314	4.368	VV	85084	1432404	8.55%	0.228%
12	4.382	4.368	4.394	VV	40127	515685	3.08%	0.082%
13	4.427	4.394	4.441	VV	102234	2024628	12.09%	0.323%
14	4.459	4.441	4.505	VV	167721	3856633	23.03%	0.615%
15	4.519	4.505	4.529	VV	114063	1190103	7.11%	0.190%
16	4.544	4.529	4.558	VV	231846	2529411	15.10%	0.403%
17	4.573	4.558	4.586	VV	155046	2037483	12.17%	0.325%
18	4.590	4.586	4.606	VV	123038	1151021	6.87%	0.183%
19	4.637	4.606	4.650	VV	181273	3004857	17.94%	0.479%
20	4.668	4.650	4.704	VV	268245	5737954	34.26%	0.914%
21	4.730	4.704	4.761	VV	248244	3944604	23.55%	0.629%
22	4.785	4.761	4.798	VV	117634	1952010	11.65%	0.311%
23	4.818	4.798	4.842	VV	168294	2872123	17.15%	0.458%
24	4.884	4.842	4.928	VV	125787	3714448	22.18%	0.592%
25	4.973	4.928	4.986	VV	168127	3821429	22.82%	0.609%
26	4.993	4.986	5.039	VV	133034	3273881	19.55%	0.522%
27	5.061	5.039	5.077	VV	102537	1964879	11.73%	0.313%
28	5.098	5.077	5.143	VV	226253	6051585	36.13%	0.964%
29	5.154	5.143	5.169	VV	157333	1986149	11.86%	0.317%
30	5.186	5.169	5.199	VV	180791	2391053	14.28%	0.381%
31	5.214	5.199	5.260	VV	172897	4686437	27.98%	0.747%
32	5.273	5.260	5.286	VV	107938	1409973	8.42%	0.225%
33	5.315	5.286	5.351	VV	323818	6140637	36.66%	0.979%
34	5.369	5.351	5.402	VV	161170	3716805	22.19%	0.592%
35	5.420	5.402	5.450	VV	154324	3492921	20.85%	0.557%
36	5.473	5.450	5.499	VV	400702	6282090	37.51%	1.001%

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37	5.515	5.499	5.537	VV	162274	3017561	18.02%	0.481%
38	5.550	5.537	5.564	VV	130934	1845106	11	
39	5.593	5.564	5.626	VV	384284	7241738	43	
40	5.647	5.626	5.675	VV	225676	4429525	26	
41	5.705	5.675	5.728	VV	216008	4782826	28	
42	5.752	5.728	5.770	VV	251716	3605219	21	
43	5.801	5.770	5.819	VV	321632	5516372	32.94%	0.879%
44	5.831	5.819	5.848	VV	191099	2665094	15.91%	0.425%
45	5.889	5.848	5.909	VV	157374	4888387	29.19%	0.779%
46	5.951	5.909	5.962	VV	203371	5051962	30.16%	0.805%
47	5.977	5.962	5.999	VV	238305	4070820	24.31%	0.649%
48	6.020	5.999	6.040	VV	191473	3925362	23.44%	0.626%
49	6.082	6.040	6.099	VV	271592	6849948	40.90%	1.092%
50	6.115	6.099	6.139	VV	240933	5207495	31.09%	0.830%
51	6.156	6.139	6.181	VV	283614	5207231	31.09%	0.830%
52	6.204	6.181	6.218	VV	237800	4591677	27.42%	0.732%
53	6.227	6.218	6.280	VV	208981	6448618	38.50%	1.028%
54	6.299	6.280	6.327	VV	224764	5332223	31.84%	0.850%
55	6.365	6.327	6.387	VV	210443	6366347	38.01%	1.015%
56	6.401	6.387	6.412	VV	201790	2546294	15.20%	0.406%
57	6.462	6.412	6.487	VV	404661	11308051	67.52%	1.802%
58	6.597	6.571	6.642	VV	419241	11153142	66.59%	1.778%
59	6.662	6.642	6.694	VV	301922	7066670	42.19%	1.126%
60	6.735	6.694	6.752	VV	303465	7297418	43.57%	1.163%
61	6.794	6.752	6.813	VV	269634	8755839	52.28%	1.395%
62	6.833	6.813	6.860	VV	266213	6023154	35.96%	0.960%
63	6.983	6.953	7.014	VV	1064121	16748723	100.00%	2.669%
64	7.034	7.014	7.053	VV	303526	5685993	33.95%	0.906%
65	7.077	7.053	7.094	VV	372773	6443037	38.47%	1.027%
66	7.103	7.094	7.133	VV	202772	4281794	25.56%	0.682%
67	7.161	7.133	7.220	VV	263315	10935811	65.29%	1.743%
68	7.246	7.220	7.275	VV	240375	6693188	39.96%	1.067%
69	7.365	7.345	7.398	VV	269628	7359653	43.94%	1.173%
70	7.412	7.398	7.434	VV	210030	3850922	22.99%	0.614%
71	7.458	7.434	7.468	VV	231863	3941817	23.54%	0.628%
72	7.479	7.468	7.493	VV	226051	3106312	18.55%	0.495%
73	7.560	7.549	7.597	VV	213561	5179817	30.93%	0.826%
74	7.622	7.597	7.642	VV	283376	5400331	32.24%	0.861%
75	7.708	7.688	7.720	VV	178450	3301620	19.71%	0.526%
76	7.771	7.720	7.782	VV	228600	7362772	43.96%	1.173%
77	7.798	7.782	7.841	VV	283511	6998350	41.78%	1.115%
78	7.858	7.841	7.868	VV	198868	2815933	16.81%	0.449%
79	7.892	7.868	7.915	VV	755099	11212473	66.95%	1.787%
80	7.936	7.915	7.959	VV	272886	5669037	33.85%	0.904%
81	7.978	7.959	7.996	VV	231465	4121124	24.61%	0.657%
82	8.032	7.996	8.096	VV	192366	10754249	64.21%	1.714%
83	8.113	8.096	8.135	VV	192068	4005564	23.92%	0.638%
84	8.159	8.135	8.172	VV	189592	3781025	22.58%	0.603%
85	8.185	8.172	8.195	VV	186255	2465293	14.72%	0.393%
86	8.218	8.195	8.290	VV	435225	12487485	74.56%	1.990%
87	8.310	8.290	8.328	VV	203638	3961754	23.65%	0.631%
88	8.355	8.328	8.379	VV	201694	5242632	31.30%	0.836%
89	8.418	8.379	8.433	VV	219489	5560071	33.20%	0.886%

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90	8.449	8.433	8.474	VV	192389	4193987	25.04%	0.668%
91	8.513	8.474	8.537	VV	288602	6769775	40	
92	8.576	8.537	8.583	VV	220963	4677057	27	
93	8.603	8.583	8.628	VV	522155	7969460	47	
94	8.641	8.628	8.657	VV	141384	2306337	13	
95	8.675	8.657	8.697	VV	187121	3497756	20	
96	8.745	8.697	8.762	VV	173343	5626396	33.59%	0.897%
97	8.770	8.762	8.788	VV	137206	2018283	12.05%	0.322%
98	8.822	8.788	8.879	VV	157099	7263478	43.37%	1.158%
99	8.907	8.879	8.934	VV	147519	4196106	25.05%	0.669%
100	8.967	8.934	8.990	VV	164113	4216283	25.17%	0.672%
101	9.012	8.990	9.054	VV	128734	4314089	25.76%	0.688%
102	9.081	9.054	9.098	VV	116733	2694032	16.08%	0.429%
103	9.117	9.098	9.134	VV	118450	2297239	13.72%	0.366%
104	9.180	9.134	9.224	VV	126421	5668664	33.85%	0.903%
105	9.255	9.224	9.300	VV	167724	5152884	30.77%	0.821%
106	9.335	9.300	9.359	VV	153745	3935136	23.50%	0.627%
107	9.417	9.359	9.458	VV	130485	5607189	33.48%	0.894%
108	9.469	9.458	9.475	VV	74101	731189	4.37%	0.117%
109	9.501	9.475	9.525	VV	77631	2245159	13.40%	0.358%
110	9.536	9.525	9.547	VV	69673	902821	5.39%	0.144%
111	9.570	9.547	9.588	VV	83389	1855289	11.08%	0.296%
112	9.614	9.588	9.646	VV	119251	3251994	19.42%	0.518%
113	9.661	9.646	9.679	VV	86402	1581253	9.44%	0.252%
114	9.737	9.679	9.748	VV	86161	3385987	20.22%	0.540%
115	9.763	9.748	9.801	VV	86884	2434271	14.53%	0.388%
116	9.886	9.851	9.912	VV	76900	2598920	15.52%	0.414%
117	9.934	9.912	9.967	VV	75308	2202479	13.15%	0.351%
118	9.981	9.967	9.992	VV	63901	931509	5.56%	0.148%
119	10.047	9.992	10.077	VV	247421	5904480	35.25%	0.941%
120	10.089	10.077	10.095	VV	68419	724567	4.33%	0.115%
121	10.121	10.095	10.164	VV	74834	2799452	16.71%	0.446%
122	10.190	10.164	10.214	VV	81596	1972532	11.78%	0.314%
123	10.231	10.214	10.258	VV	59167	1501329	8.96%	0.239%
124	10.371	10.350	10.382	VV	71990	1270761	7.59%	0.203%
125	10.390	10.382	10.434	VV	69623	2096686	12.52%	0.334%
126	10.470	10.434	10.499	VV	359371	6330863	37.80%	1.009%
127	10.510	10.499	10.554	VV	73322	2084236	12.44%	0.332%
128	10.581	10.554	10.602	VV	63174	1703046	10.17%	0.271%
129	10.730	10.694	10.758	VV	65843	2259656	13.49%	0.360%
130	10.787	10.758	10.826	VV	82684	2555392	15.26%	0.407%
131	10.871	10.826	10.890	VV	59368	2075587	12.39%	0.331%
132	10.920	10.890	10.941	VV	57818	1650443	9.85%	0.263%
133	10.950	10.941	10.978	VV	56768	1182750	7.06%	0.189%
134	11.013	10.978	11.027	VV	56229	1594049	9.52%	0.254%
135	11.042	11.027	11.068	VV	57696	1349154	8.06%	0.215%
136	11.188	11.132	11.224	VV	207433	4966311	29.65%	0.792%
137	11.248	11.224	11.278	VV	54667	1588156	9.48%	0.253%
138	11.291	11.278	11.313	VV	51184	1010711	6.03%	0.161%
139	11.367	11.313	11.438	VV	60752	3709066	22.15%	0.591%
140	11.461	11.438	11.512	VV	48565	2019693	12.06%	0.322%
141	11.534	11.512	11.551	VV	46991	1033929	6.17%	0.165%

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142	11.607	11.594	11.625	VV	46852	850723	5.08%	0.136%
143	11.647	11.625	11.676	VV	50392	1427219	8	
144	11.694	11.676	11.712	VV	49465	990383	5	
145	11.743	11.712	11.774	VV	80016	2162458	12	
146	11.782	11.774	11.812	VV	44051	932535	5	
147	11.835	11.812	11.851	VV	42975	953318	5	
148	11.874	11.851	11.935	VV	47918	2146842	12.82%	0.342%
149	12.044	12.021	12.098	VV	38583	1714516	10.24%	0.273%
150	12.114	12.098	12.131	VV	37837	712289	4.25%	0.114%
151	12.144	12.131	12.181	VV	35614	1053328	6.29%	0.168%
152	12.199	12.181	12.217	VV	34374	733747	4.38%	0.117%
153	12.276	12.217	12.296	VV	36799	1666989	9.95%	0.266%
154	12.323	12.296	12.378	VV	44526	1800850	10.75%	0.287%
155	12.403	12.378	12.447	VV	40041	1408459	8.41%	0.224%
156	12.491	12.447	12.526	VV	32255	1472562	8.79%	0.235%
157	12.544	12.526	12.644	VV	34462	2032667	12.14%	0.324%
158	12.677	12.644	12.703	VV	28114	955564	5.71%	0.152%
159	12.725	12.703	12.751	VV	27969	770655	4.60%	0.123%
160	12.760	12.751	12.771	VV	26077	308864	1.84%	0.049%
161	12.774	12.771	12.801	VV	25923	445970	2.66%	0.071%
162	12.842	12.801	12.870	VV	96320	1903802	11.37%	0.303%
163	12.897	12.870	12.997	VV	38275	2109721	12.60%	0.336%
164	13.029	12.997	13.046	VV	23253	664176	3.97%	0.106%
165	13.065	13.046	13.091	VV	23444	609921	3.64%	0.097%
166	13.111	13.091	13.168	VV	23105	1005051	6.00%	0.160%
167	13.177	13.168	13.204	VV	21296	459051	2.74%	0.073%
168	13.237	13.204	13.267	VV	25900	853252	5.09%	0.136%
169	13.283	13.267	13.303	VV	21319	451129	2.69%	0.072%
170	13.323	13.303	13.378	VV	20585	877653	5.24%	0.140%
171	13.418	13.378	13.431	VH	21528	631318	3.77%	0.101%
172	13.449	13.431	13.481	HH	20868	596371	3.56%	0.095%
173	13.509	13.481	13.544	HH	22318	745286	4.45%	0.119%
174	13.580	13.544	13.616	HH	18319	745696	4.45%	0.119%
175	13.640	13.616	13.664	HH	16821	479960	2.87%	0.076%
176	13.680	13.664	13.705	HH	17274	407472	2.43%	0.065%
177	13.736	13.705	13.770	HH	17405	641560	3.83%	0.102%
178	13.894	13.869	13.947	HH	16420	713892	4.26%	0.114%
179	14.086	14.050	14.133	HH	15136	698977	4.17%	0.111%
180	14.152	14.133	14.181	HH	13582	380013	2.27%	0.061%
181	14.225	14.181	14.258	HH	14145	614626	3.67%	0.098%
182	14.394	14.351	14.421	HH	13693	540526	3.23%	0.086%
183	14.533	14.498	14.567	HH	13558	511021	3.05%	0.081%
184	14.595	14.567	14.642	HH	12013	519753	3.10%	0.083%
185	14.694	14.668	14.713	HH	12326	318560	1.90%	0.051%
186	14.755	14.713	14.794	HH	11611	546191	3.26%	0.087%
187	14.957	14.912	14.969	HH	11289	370163	2.21%	0.059%
188	14.974	14.969	15.054	HH	10967	542286	3.24%	0.086%
189	15.064	15.054	15.092	HH	10164	224603	1.34%	0.036%
190	15.244	15.176	15.312	HH	11929	871770	5.20%	0.139%
191	15.324	15.312	15.347	HH	10196	211801	1.26%	0.034%
192	15.358	15.347	15.373	HH	9728	152815	0.91%	0.024%
193	15.465	15.452	15.493	HH	10186	243751	1.46%	0.039%
194	15.597	15.572	15.648	HH	9947	441614	2.64%	0.070%

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195	15.672	15.648	15.685	HH	9894	213660	1.28%	0.034%
196	15.756	15.738	15.805	HH	10636	399516	2	
197	15.967	15.934	15.995	HH	10258	362755	2	
198	16.032	15.995	16.114	HH	11671	749024	4	
199	16.123	16.114	16.126	HH	9862	70749	0	
200	16.193	16.168	16.221	HH	11272	330570	1	
201	16.336	16.326	16.354	HH	10141	169166	1.01%	0.027%
202	16.524	16.478	16.560	HV	10792	506228	3.02%	0.081%
203	16.664	16.598	16.689	VV	13080	578886	3.46%	0.092%
204	16.699	16.689	16.718	VV	10092	173137	1.03%	0.028%
205	16.961	16.925	16.978	VV	9332	282163	1.68%	0.045%
206	16.994	16.978	17.007	VV	8937	157422	0.94%	0.025%
207	17.046	17.007	17.088	VV	10166	434181	2.59%	0.069%
208	17.112	17.088	17.144	VV	10591	313064	1.87%	0.050%
209	17.161	17.144	17.188	VV	8437	212880	1.27%	0.034%
210	17.219	17.188	17.269	VV	8728	406757	2.43%	0.065%
211	17.285	17.269	17.312	VV	7967	195420	1.17%	0.031%
212	17.325	17.312	17.344	VV	7547	143627	0.86%	0.023%
213	17.376	17.344	17.401	VV	7655	250255	1.49%	0.040%
214	17.426	17.401	17.458	VV	7688	252035	1.50%	0.040%
215	17.472	17.458	17.484	VV	8117	123185	0.74%	0.020%
216	17.500	17.484	17.513	VV	7819	133465	0.80%	0.021%
217	17.546	17.513	17.591	VV	9691	368227	2.20%	0.059%
218	17.605	17.591	17.623	VV	6633	123162	0.74%	0.020%
219	17.667	17.623	17.747	VV	10604	561667	3.35%	0.090%
220	17.768	17.747	17.797	VV	6334	177242	1.06%	0.028%
221	17.837	17.797	17.854	VV	6417	210533	1.26%	0.034%
222	17.867	17.854	17.888	VV	6721	125573	0.75%	0.020%
223	17.909	17.888	17.947	VV	6289	205908	1.23%	0.033%
224	17.971	17.947	17.997	VV	7901	197173	1.18%	0.031%
225	18.032	17.997	18.089	VV	10294	358568	2.14%	0.057%
226	18.110	18.089	18.134	VV	5159	127615	0.76%	0.020%
227	18.191	18.134	18.213	VV	5383	225171	1.34%	0.036%
228	18.248	18.213	18.307	VV	4967	258267	1.54%	0.041%
229	18.379	18.307	18.417	VV	7389	318436	1.90%	0.051%
230	18.456	18.417	18.477	VV	6068	168544	1.01%	0.027%
231	18.504	18.477	18.542	VV	5131	175034	1.05%	0.028%
232	18.586	18.542	18.607	VV	4358	163196	0.97%	0.026%
233	18.639	18.607	18.698	VV	4650	224593	1.34%	0.036%
234	18.716	18.698	18.738	VV	4094	93409	0.56%	0.015%
235	18.779	18.738	18.828	VV	7195	262281	1.57%	0.042%
236	18.852	18.828	18.904	VV	4565	175852	1.05%	0.028%
237	18.965	18.904	19.011	VV	4799	263292	1.57%	0.042%
238	19.038	19.011	19.048	VV	4024	86550	0.52%	0.014%
239	19.072	19.048	19.091	VV	4030	100199	0.60%	0.016%
240	19.164	19.091	19.237	VV	7604	411033	2.45%	0.066%
241	19.267	19.237	19.308	VV	4252	168357	1.01%	0.027%
242	19.446	19.308	19.511	VV	5890	601248	3.59%	0.096%
243	19.536	19.511	19.551	VV	6727	143506	0.86%	0.023%
244	19.563	19.551	19.620	VV	6351	229012	1.37%	0.036%
245	19.633	19.620	19.636	VV	4889	44254	0.26%	0.007%
246	19.679	19.636	19.703	VV	5637	208320	1.24%	0.033%

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

rteres

247	19.729	19.703	19.737	VV	5331	106353	0.63%	0.017%
248	19.849	19.737	19.858	VV	6280	417842	2	
249	19.900	19.858	19.928	VV	7511	281090	1	
250	19.950	19.928	19.968	VV	7143	161793	0	
251	20.073	19.968	20.101	VV	7784	558603	3	
252	20.254	20.101	20.277	VV	9108	826694	4	
253	20.289	20.277	20.293	VV	8453	81042	0.48%	0.013%

Sum of corrected areas: 627442990

Aliphatic EPH 012425.M Tue Feb 11 01:01:57 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-13DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-12DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
FD049067.D	50	02/06/25	02/10/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	116		17.4	38.6	mg/kg
Aromatic C12-C16	Aromatic C12-C16	479		19.7	57.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	545		55.5	96.4	mg/kg
Aromatic C21-C36	Aromatic C21-C36	64.9	J	115	154	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	0.00		40 - 140	0%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	0.00		40 - 140	0%	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 Aromatic EPH Range.

Lab Sample ID:	Q1308-12DL	Acq On:	10 Feb 2025 10:19
Client Sample ID:	EX-11-TPH-13DL	Operator:	YP/AJ
Data file:	FD049067.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.793	4706125	30.317	200	ug/ml
Aromatic C12-C16	5.794	8.397	20158175	124.271	300	ug/ml
Aromatic C16-C21	8.398	12.659	21854341	141.316	500	ug/ml
Aromatic C21-C36	12.660	18.066	2398737	16.833	800	ug/ml
Aromatic EPH	4.076	18.066	49117378	312.737		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_D\Data\FD021025AR\
Data File : FD049067.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 10:19
Operator : YP/AJ
Sample : Q1308-12DL 50X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13DL

Integration File: autoint1.e
Quant Time: Feb 11 01:11:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 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

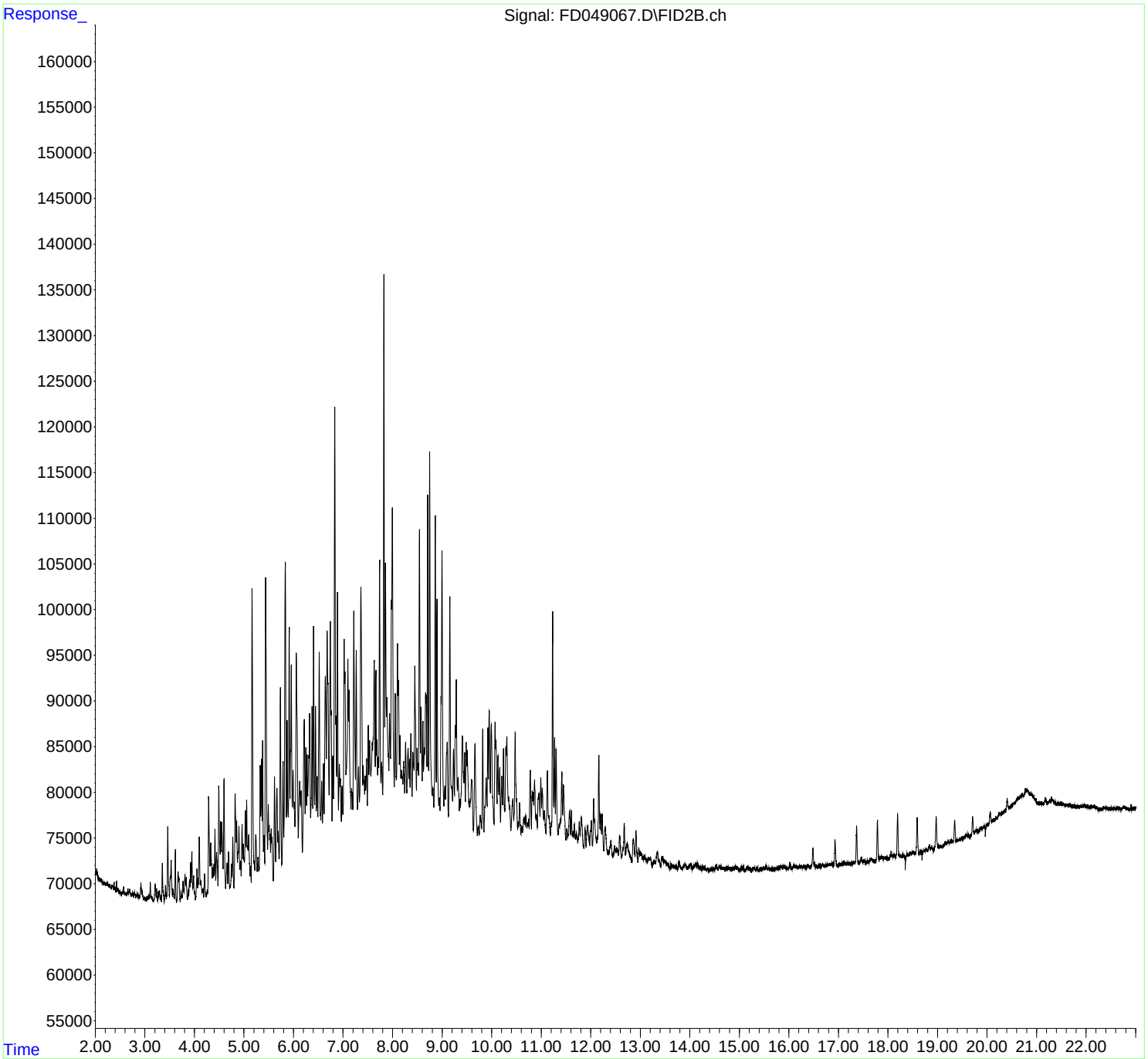
(f)=RT Delta > 1/2 Window (m)=manual int.

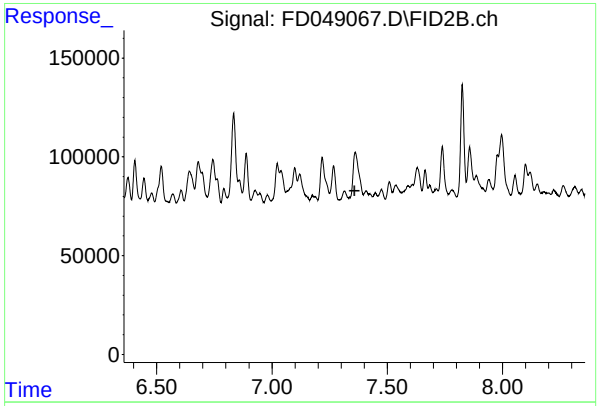
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049067.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 10:19
Operator : YP/AJ
Sample : Q1308-12DL 50X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13DL

Integration File: autoint1.e
Quant Time: Feb 11 01:11:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

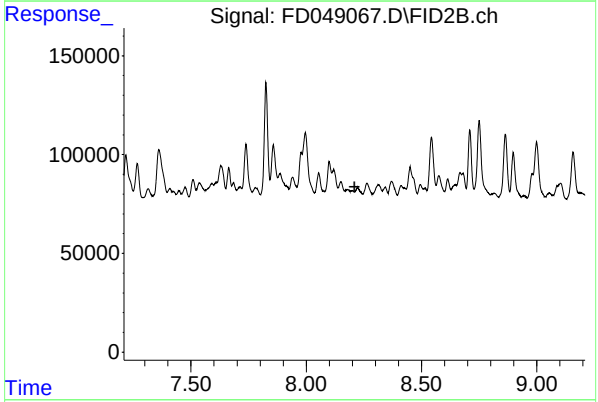




#4 2-Bromonaphthalene (SURR)

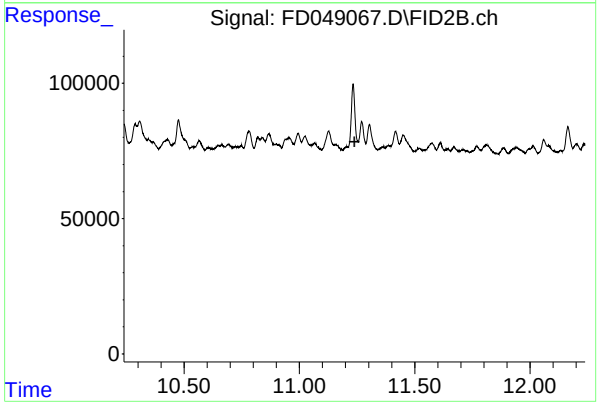
R.T.: 0.000 min
Exp R.T. : 7.358 min
Response: 0
Conc: N.D.

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-13DL



#6 2-Flurobiphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 8.209 min
Response: 0
Conc: N.D.



#11 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.239 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049067.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 10:19
Sample : Q1308-12DL 50X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.659	4.629	4.674	VV	3634	64306	5.68%	0.131%
2	4.689	4.674	4.712	VV	4807	65678	5.80%	0.134%
3	4.749	4.712	4.759	VV	3472	52106	4.60%	0.106%
4	4.774	4.759	4.795	VV	6442	74729	6.60%	0.152%
5	4.822	4.795	4.845	VV	11180	186664	16.49%	0.380%
6	4.854	4.845	4.869	VV	8213	88790	7.85%	0.181%
7	4.881	4.869	4.887	VV	4845	48373	4.27%	0.098%
8	4.899	4.887	4.919	VV	7603	96318	8.51%	0.196%
9	4.930	4.919	4.945	VV	3782	50826	4.49%	0.103%
10	4.962	4.945	4.975	VV	7696	96450	8.52%	0.196%
11	4.985	4.975	4.995	VV	5535	57369	5.07%	0.117%
12	5.002	4.995	5.011	VV	4202	36573	3.23%	0.074%
13	5.028	5.011	5.042	VV	9240	125934	11.13%	0.256%
14	5.055	5.042	5.083	VV	10378	166336	14.70%	0.339%
15	5.095	5.083	5.123	VV	6529	108089	9.55%	0.220%
16	5.134	5.123	5.145	VV	3140	33420	2.95%	0.068%
17	5.164	5.145	5.219	VV	33568	519536	45.90%	1.058%
18	5.238	5.219	5.265	VV	6606	129748	11.46%	0.264%
19	5.284	5.265	5.299	VV	4021	66889	5.91%	0.136%
20	5.329	5.299	5.339	VV	14131	180313	15.93%	0.367%
21	5.353	5.339	5.365	VV	14807	180617	15.96%	0.368%
22	5.376	5.365	5.394	VV	16829	188956	16.70%	0.385%
23	5.405	5.394	5.419	VV	6477	77741	6.87%	0.158%
24	5.437	5.419	5.478	VV	34634	597979	52.84%	1.217%
25	5.491	5.478	5.503	VV	9712	111952	9.89%	0.228%
26	5.510	5.503	5.519	VV	7501	69160	6.11%	0.141%
27	5.526	5.519	5.537	VV	6554	63632	5.62%	0.130%
28	5.550	5.537	5.560	VV	7035	83543	7.38%	0.170%
29	5.567	5.560	5.593	VV	6157	77027	6.81%	0.157%
30	5.618	5.593	5.641	VV	12846	186526	16.48%	0.380%
31	5.666	5.641	5.684	VV	11495	206743	18.27%	0.421%
32	5.693	5.684	5.709	VV	6827	83070	7.34%	0.169%
33	5.735	5.709	5.765	VV	22548	342310	30.25%	0.697%
34	5.789	5.765	5.803	VV	14417	188422	16.65%	0.384%
35	5.835	5.803	5.858	VV	36214	642649	56.78%	1.308%
36	5.872	5.858	5.893	VV	18965	266522	23.55%	0.543%

37	5.913	5.893	5.929	VV	29104	361928	31.98%	0.737%
38	5.956	5.929	5.977	VV	25013	463804	40.98%	0.944%
39	5.992	5.977	6.006	VV	13404	196529	17.36%	0.400%
40	6.013	6.006	6.028	VV	9908	119436	10.55%	0.243%
41	6.058	6.028	6.097	VV	26198	621197	54.89%	1.265%
42	6.126	6.097	6.140	VV	12194	255933	22.61%	0.521%
43	6.156	6.140	6.181	VV	11088	212768	18.80%	0.433%
44	6.218	6.181	6.235	VV	19039	402235	35.54%	0.819%
45	6.250	6.235	6.263	VV	15860	203543	17.98%	0.414%
46	6.275	6.263	6.289	VV	15046	195394	17.26%	0.398%
47	6.311	6.289	6.314	VV	14926	199749	17.65%	0.407%
48	6.326	6.314	6.346	VV	19576	274631	24.27%	0.559%
49	6.376	6.346	6.391	VV	20264	360500	31.85%	0.734%
50	6.406	6.391	6.428	VV	29054	386127	34.12%	0.786%
51	6.445	6.428	6.462	VV	20286	281604	24.88%	0.573%
52	6.479	6.462	6.492	VV	12634	188179	16.63%	0.383%
53	6.570	6.552	6.586	VV	12117	198663	17.55%	0.404%
54	6.642	6.619	6.665	VV	23542	484810	42.84%	0.987%
55	6.680	6.665	6.720	VV	28519	664600	58.72%	1.353%
56	6.744	6.720	6.779	VV	29552	671107	59.30%	1.366%
57	6.834	6.807	6.872	VV	52970	998739	88.24%	2.033%
58	6.927	6.909	6.939	VV	13802	216137	19.10%	0.440%
59	6.947	6.939	6.965	VV	12246	162514	14.36%	0.331%
60	6.981	6.965	6.996	VV	11455	184693	16.32%	0.376%
61	7.023	6.996	7.033	VV	27390	394018	34.81%	0.802%
62	7.099	7.060	7.111	VV	25344	534746	47.25%	1.089%
63	7.176	7.163	7.199	VV	11075	221043	19.53%	0.450%
64	7.218	7.199	7.250	VV	30482	583491	51.55%	1.188%
65	7.315	7.294	7.333	VV	13464	260316	23.00%	0.530%
66	7.361	7.333	7.397	VV	33177	777781	68.72%	1.584%
67	7.408	7.397	7.419	VV	13543	164321	14.52%	0.335%
68	7.423	7.419	7.437	VV	11975	125765	11.11%	0.256%
69	7.448	7.437	7.459	VV	12409	150557	13.30%	0.307%
70	7.475	7.459	7.491	VV	14247	235954	20.85%	0.480%
71	7.538	7.523	7.560	VV	16265	326548	28.85%	0.665%
72	7.630	7.599	7.651	VV	25001	594269	52.51%	1.210%
73	7.664	7.651	7.677	VV	23959	296538	26.20%	0.604%
74	7.684	7.677	7.698	VV	16322	186169	16.45%	0.379%
75	7.713	7.698	7.721	VV	14487	182847	16.16%	0.372%
76	7.739	7.721	7.766	VV	35923	571794	50.52%	1.164%
77	7.780	7.766	7.801	VV	13877	265871	23.49%	0.541%
78	7.825	7.801	7.843	VV	67147	842909	74.48%	1.716%
79	7.941	7.925	7.959	VV	19064	327700	28.95%	0.667%
80	7.996	7.959	8.035	VV	41626	1131785	100.00%	2.304%
81	8.054	8.035	8.079	VV	21255	395799	34.97%	0.806%
82	8.100	8.079	8.111	VV	26633	384047	33.93%	0.782%
83	8.119	8.111	8.138	VV	22814	308174	27.23%	0.627%
84	8.150	8.138	8.167	VV	16704	255328	22.56%	0.520%
85	8.178	8.167	8.192	VV	12882	188065	16.62%	0.383%
86	8.200	8.192	8.209	VV	12211	126173	11.15%	0.257%
87	8.222	8.209	8.246	VV	13793	263955	23.32%	0.537%
88	8.263	8.246	8.288	VV	15963	332002	29.33%	0.676%
89	8.313	8.288	8.330	VV	15232	332265	29.36%	0.676%

90	8.343	8.330	8.354	VV	14128	183954	16.25%	0.375%
91	8.411	8.395	8.433	VV	14770	303982	26.86%	0.619%
92	8.451	8.433	8.482	VV	24169	506100	44.72%	1.030%
93	8.495	8.482	8.508	VV	15228	213211	18.84%	0.434%
94	8.515	8.508	8.523	VV	13444	118182	10.44%	0.241%
95	8.543	8.523	8.563	VV	39168	597833	52.82%	1.217%
96	8.575	8.563	8.599	VV	19694	340060	30.05%	0.692%
97	8.613	8.599	8.628	VV	18095	256661	22.68%	0.523%
98	8.646	8.628	8.651	VV	15223	204192	18.04%	0.416%
99	8.667	8.651	8.674	VV	21273	251054	22.18%	0.511%
100	8.680	8.674	8.694	VV	21034	218549	19.31%	0.445%
101	8.709	8.694	8.728	VV	42843	532447	47.04%	1.084%
102	8.750	8.728	8.800	VV	47593	913182	80.69%	1.859%
103	8.812	8.800	8.834	VV	10810	207504	18.33%	0.422%
104	8.864	8.834	8.883	VV	40624	617340	54.55%	1.257%
105	8.898	8.883	8.933	VV	31374	515255	45.53%	1.049%
106	8.945	8.933	8.958	VV	9575	137419	12.14%	0.280%
107	8.999	8.958	9.037	VV	36688	873473	77.18%	1.778%
108	9.055	9.037	9.070	VV	10973	201841	17.83%	0.411%
109	9.103	9.070	9.128	VV	15709	424023	37.47%	0.863%
110	9.157	9.128	9.212	VV	31535	746087	65.92%	1.519%
111	9.231	9.212	9.249	VV	14900	269581	23.82%	0.549%
112	9.267	9.249	9.274	VV	17485	220592	19.49%	0.449%
113	9.286	9.274	9.307	VV	22525	343013	30.31%	0.698%
114	9.322	9.307	9.349	VV	11736	261528	23.11%	0.532%
115	9.362	9.349	9.370	VV	9397	114252	10.09%	0.233%
116	9.413	9.370	9.443	VV	16248	540093	47.72%	1.100%
117	9.455	9.443	9.470	VV	14512	201983	17.85%	0.411%
118	9.487	9.470	9.499	VV	15521	229153	20.25%	0.467%
119	9.509	9.499	9.545	VV	14710	326025	28.81%	0.664%
120	9.552	9.545	9.561	VV	8972	84430	7.46%	0.172%
121	9.664	9.630	9.712	VV	15342	460143	40.66%	0.937%
122	9.729	9.712	9.747	VV	6383	123880	10.95%	0.252%
123	9.768	9.747	9.798	VV	7506	204839	18.10%	0.417%
124	9.821	9.798	9.847	VV	16948	291405	25.75%	0.593%
125	9.890	9.847	9.907	VV	11639	323560	28.59%	0.659%
126	9.924	9.907	9.936	VV	17120	227809	20.13%	0.464%
127	9.951	9.936	9.974	VV	18972	336700	29.75%	0.686%
128	10.070	10.048	10.083	VV	17619	279739	24.72%	0.570%
129	10.090	10.083	10.110	VV	15569	206779	18.27%	0.421%
130	10.128	10.110	10.145	VV	13959	240301	21.23%	0.489%
131	10.240	10.224	10.262	VV	14725	250035	22.09%	0.509%
132	10.288	10.262	10.296	VV	14844	239460	21.16%	0.488%
133	10.307	10.296	10.340	VV	15994	330855	29.23%	0.674%
134	10.345	10.340	10.389	VV	9350	232314	20.53%	0.473%
135	10.475	10.444	10.524	VV	16389	468878	41.43%	0.955%
136	10.537	10.524	10.544	VV	6560	77103	6.81%	0.157%
137	10.566	10.544	10.592	VV	8646	200475	17.71%	0.408%
138	10.648	10.626	10.654	VV	6894	104744	9.25%	0.213%
139	10.663	10.654	10.678	VV	7125	98166	8.67%	0.200%
140	10.691	10.678	10.712	VV	7226	136706	12.08%	0.278%
141	10.725	10.712	10.738	VV	6450	97628	8.63%	0.199%

142	10.748	10.738	10.758	VV	6749	80632	7.12%	0.164%
143	10.820	10.803	10.830	VV	9939	139167	12.30%	0.283%
144	10.839	10.830	10.852	VV	9812	116981	10.34%	0.238%
145	10.867	10.852	10.892	VV	11109	222511	19.66%	0.453%
146	10.911	10.906	10.923	VV	7133	68380	6.04%	0.139%
147	11.024	11.010	11.050	VV	10240	207417	18.33%	0.422%
148	11.126	11.096	11.149	VV	12098	270939	23.94%	0.552%
149	11.157	11.149	11.187	VV	7168	146088	12.91%	0.297%
150	11.233	11.210	11.254	VV	29566	413970	36.58%	0.843%
151	11.270	11.254	11.288	VV	15669	229647	20.29%	0.468%
152	11.304	11.288	11.340	VV	14457	283856	25.08%	0.578%
153	11.363	11.340	11.370	VV	6187	103078	9.11%	0.210%
154	11.417	11.370	11.434	VV	11889	306124	27.05%	0.623%
155	11.450	11.434	11.500	VV	10377	296712	26.22%	0.604%
156	11.520	11.500	11.534	VV	5676	105122	9.29%	0.214%
157	11.575	11.534	11.594	VV	7557	218301	19.29%	0.444%
158	11.611	11.594	11.631	VV	7593	136437	12.06%	0.278%
159	11.643	11.631	11.654	VV	5269	67229	5.94%	0.137%
160	11.670	11.654	11.696	VV	6079	131726	11.64%	0.268%
161	11.710	11.696	11.725	VV	5144	83972	7.42%	0.171%
162	11.728	11.725	11.742	VV	4751	43773	3.87%	0.089%
163	11.770	11.742	11.787	VV	6385	139685	12.34%	0.284%
164	11.811	11.787	11.860	VV	6854	228942	20.23%	0.466%
165	11.884	11.860	11.907	VV	5680	125374	11.08%	0.255%
166	11.940	11.907	11.980	VV	5825	211389	18.68%	0.430%
167	11.995	11.980	12.001	VV	5325	61756	5.46%	0.126%
168	12.014	12.001	12.039	VV	6380	114993	10.16%	0.234%
169	12.059	12.039	12.076	VV	8779	144446	12.76%	0.294%
170	12.081	12.076	12.120	VV	6524	136837	12.09%	0.279%
171	12.133	12.120	12.140	VV	4712	52594	4.65%	0.107%
172	12.164	12.140	12.186	VV	13458	231680	20.47%	0.472%
173	12.201	12.186	12.219	VV	6979	123706	10.93%	0.252%
174	12.234	12.219	12.265	VV	7093	140752	12.44%	0.287%
175	12.292	12.265	12.349	VV	5575	206048	18.21%	0.420%
176	12.353	12.349	12.366	VV	2866	29020	2.56%	0.059%
177	12.407	12.366	12.440	VV	4153	146672	12.96%	0.299%
178	12.478	12.440	12.499	VV	3521	100410	8.87%	0.204%
179	12.506	12.499	12.512	VV	3088	23512	2.08%	0.048%
180	12.530	12.512	12.557	VV	3245	79610	7.03%	0.162%
181	12.584	12.557	12.624	VV	4548	134109	11.85%	0.273%
182	12.649	12.624	12.655	VV	3172	50180	4.43%	0.102%
183	12.677	12.655	12.700	VV	5926	112633	9.95%	0.229%
184	12.731	12.700	12.825	VV	3674	210662	18.61%	0.429%
185	12.859	12.825	12.893	VV	4243	122514	10.82%	0.249%
186	12.914	12.893	12.953	VV	5096	114602	10.13%	0.233%
187	12.973	12.953	12.988	VV	3136	53250	4.70%	0.108%
188	12.995	12.988	13.017	VV	2781	43278	3.82%	0.088%
189	13.021	13.017	13.038	VV	2572	29712	2.63%	0.060%
190	13.057	13.038	13.067	VV	2227	35566	3.14%	0.072%
191	13.085	13.067	13.117	VV	2334	62115	5.49%	0.126%
192	13.126	13.117	13.147	VV	1967	33090	2.92%	0.067%
193	13.159	13.147	13.180	VV	2061	38332	3.39%	0.078%
194	13.183	13.180	13.194	VV	2002	15144	1.34%	0.031%

rteres

195	13.208	13.194	13.248	VV	2081	52171	4.61%	0.106%
196	13.276	13.248	13.300	VV	1783	47563	4.20%	0.097%
197	13.341	13.300	13.409	VV	2683	120337	10.63%	0.245%
198	13.447	13.409	13.470	VV	2133	63342	5.60%	0.129%
199	13.489	13.470	13.542	VV	1789	63026	5.57%	0.128%
200	13.544	13.542	13.561	VV	1375	14134	1.25%	0.029%
201	13.568	13.561	13.597	VV	1264	20898	1.85%	0.043%
202	13.619	13.597	13.627	VV	1271	17770	1.57%	0.036%
203	13.641	13.627	13.654	VV	1072	16511	1.46%	0.034%
204	13.659	13.654	13.662	VV	1067	4792	0.42%	0.010%
205	13.669	13.662	13.680	VV	1102	10767	0.95%	0.022%
206	13.685	13.680	13.711	VV	904	16178	1.43%	0.033%
207	13.723	13.711	13.751	VV	1099	22126	1.95%	0.045%
208	13.757	13.751	13.765	VV	788	6219	0.55%	0.013%
209	13.780	13.765	13.830	VV	1593	42038	3.71%	0.086%
210	13.833	13.830	13.843	VV	792	5748	0.51%	0.012%
211	13.848	13.843	13.857	VV	795	5778	0.51%	0.012%
212	13.913	13.857	13.938	VV	1170	46975	4.15%	0.096%
213	13.945	13.938	13.950	VV	902	5568	0.49%	0.011%
214	13.957	13.950	13.964	VV	724	5674	0.50%	0.012%
215	13.987	13.964	13.997	VV	1020	18101	1.60%	0.037%
216	14.020	13.997	14.029	VV	1167	19111	1.69%	0.039%
217	14.033	14.029	14.049	VV	1023	9535	0.84%	0.019%
218	14.053	14.049	14.062	VV	750	5634	0.50%	0.011%
219	14.069	14.062	14.071	VV	798	4127	0.36%	0.008%
220	14.082	14.071	14.096	VV	1082	13486	1.19%	0.027%
221	14.109	14.096	14.138	VV	1264	26411	2.33%	0.054%
222	14.150	14.138	14.174	VV	1192	21808	1.93%	0.044%
223	14.185	14.174	14.217	VV	890	19342	1.71%	0.039%
224	14.225	14.217	14.235	VV	690	7008	0.62%	0.014%
225	14.262	14.235	14.294	VV	816	23089	2.04%	0.047%
226	14.313	14.294	14.339	VV	796	15407	1.36%	0.031%
227	14.361	14.339	14.365	VV	641	8307	0.73%	0.017%
228	14.369	14.365	14.380	VV	662	4054	0.36%	0.008%
229	14.387	14.380	14.395	VV	394	3067	0.27%	0.006%
230	14.410	14.395	14.416	VV	553	5299	0.47%	0.011%
231	14.425	14.416	14.433	VV	518	4318	0.38%	0.009%
232	14.437	14.433	14.441	VV	432	2166	0.19%	0.004%
233	14.447	14.441	14.469	VV	539	7346	0.65%	0.015%
234	14.484	14.469	14.489	VV	606	5572	0.49%	0.011%
235	14.495	14.489	14.510	VV	556	6521	0.58%	0.013%
236	14.542	14.510	14.575	VV	1013	25509	2.25%	0.052%
237	14.590	14.575	14.621	VV	877	19369	1.71%	0.039%
238	14.627	14.621	14.632	VV	626	3790	0.33%	0.008%
239	14.639	14.632	14.650	VV	661	6345	0.56%	0.013%
240	14.653	14.650	14.670	VV	528	6384	0.56%	0.013%
241	14.675	14.670	14.695	VV	610	7953	0.70%	0.016%
242	14.698	14.695	14.716	VV	633	5347	0.47%	0.011%
243	14.724	14.716	14.748	VV	611	9974	0.88%	0.020%
244	14.767	14.748	14.798	VV	709	14803	1.31%	0.030%
245	14.811	14.798	14.831	VV	626	9193	0.81%	0.019%
246	14.836	14.831	14.854	VV	551	5004	0.44%	0.010%

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247	14.861	14.854	14.868	VV	524	3436	0.30%	0.007%
248	14.873	14.868	14.883	VV	458	3351	0.30%	0.007%
249	14.917	14.883	14.935	VV	712	15868	1.40%	0.032%
250	14.945	14.935	14.990	VV	594	13640	1.21%	0.028%
251	15.009	14.990	15.018	VV	384	4892	0.43%	0.010%
252	15.042	15.018	15.075	VV	630	12566	1.11%	0.026%
253	15.082	15.075	15.104	VV	598	5609	0.50%	0.011%
254	15.117	15.104	15.127	VV	270	2281	0.20%	0.005%
255	15.154	15.127	15.162	VV	484	7881	0.70%	0.016%
256	15.169	15.162	15.202	VV	582	8919	0.79%	0.018%
257	15.213	15.202	15.245	VV	416	6039	0.53%	0.012%
258	15.257	15.245	15.261	VV	377	2533	0.22%	0.005%
259	15.266	15.261	15.277	VV	421	2960	0.26%	0.006%
260	15.290	15.277	15.333	VV	497	10386	0.92%	0.021%
261	15.343	15.333	15.349	VV	391	2835	0.25%	0.006%
262	15.357	15.349	15.369	VV	422	4025	0.36%	0.008%
263	15.375	15.369	15.403	VV	423	3652	0.32%	0.007%
264	15.425	15.403	15.430	VV	318	3414	0.30%	0.007%
265	15.451	15.430	15.459	VV	403	4447	0.39%	0.009%
266	15.485	15.467	15.500	VV	462	5937	0.52%	0.012%
267	15.506	15.500	15.510	VV	410	1779	0.16%	0.004%
268	15.535	15.510	15.570	VV	619	13366	1.18%	0.027%
269	15.595	15.570	15.604	VV	356	4718	0.42%	0.010%
270	15.616	15.604	15.635	VV	253	3222	0.28%	0.007%
271	15.640	15.635	15.647	VV	229	1005	0.09%	0.002%
272	15.651	15.647	15.667	VV	220	1782	0.16%	0.004%
273	15.690	15.679	15.716	VV	306	3351	0.30%	0.007%
274	15.740	15.716	15.761	PV	309	5345	0.47%	0.011%
275	15.771	15.761	15.775	VV	343	2208	0.20%	0.004%
276	15.782	15.775	15.787	VV	331	1506	0.13%	0.003%
277	15.802	15.787	15.813	VV	472	4462	0.39%	0.009%
278	15.829	15.813	15.875	VV	455	12052	1.06%	0.025%
279	15.901	15.875	15.919	VV	544	8975	0.79%	0.018%
280	15.929	15.919	15.936	VV	411	2986	0.26%	0.006%
281	15.942	15.936	15.968	VV	330	3668	0.32%	0.007%
282	15.975	15.968	15.981	VV	180	1349	0.12%	0.003%
283	16.018	15.981	16.052	VV	830	14947	1.32%	0.030%
284	16.054	16.052	16.065	VV	249	1299	0.11%	0.003%
285	16.098	16.065	16.122	VV	435	10102	0.89%	0.021%
286	16.128	16.122	16.138	VV	345	2898	0.26%	0.006%
287	16.148	16.138	16.205	VV	409	11058	0.98%	0.023%
288	16.216	16.205	16.231	VV	500	4274	0.38%	0.009%
289	16.260	16.231	16.277	VV	418	6502	0.57%	0.013%
290	16.298	16.277	16.322	VV	289	6566	0.58%	0.013%
291	16.327	16.322	16.354	VV	272	3806	0.34%	0.008%
292	16.382	16.354	16.428	VV	481	10351	0.91%	0.021%
293	16.485	16.428	16.615	VV	2108	53435	4.72%	0.109%
294	16.632	16.615	16.652	VV	443	5439	0.48%	0.011%
295	16.681	16.652	16.719	VV	438	9531	0.84%	0.019%
296	16.754	16.719	16.764	VV	376	6505	0.57%	0.013%
297	16.783	16.764	16.809	VV	310	7444	0.66%	0.015%
298	16.817	16.809	16.834	VV	413	4204	0.37%	0.009%
299	16.873	16.834	16.889	VV	451	9769	0.86%	0.020%

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300	16.931	16.889	16.985	VV	2822	48682	4.30%	0.099%
301	17.010	16.985	17.029	PV	388	5332	0.47%	0.011%
302	17.078	17.029	17.100	VV	477	12721	1.12%	0.026%
303	17.112	17.100	17.152	VV	520	9095	0.80%	0.019%
304	17.170	17.152	17.204	VV	359	8193	0.72%	0.017%
305	17.225	17.204	17.245	VV	428	5878	0.52%	0.012%
306	17.267	17.245	17.287	PV	332	5002	0.44%	0.010%
307	17.300	17.287	17.310	VV	375	3749	0.33%	0.008%
308	17.366	17.310	17.409	VV	4283	66224	5.85%	0.135%
309	17.467	17.409	17.492	VV	663	19428	1.72%	0.040%
310	17.509	17.492	17.539	VV	461	8207	0.73%	0.017%
311	17.548	17.539	17.567	VV	273	3047	0.27%	0.006%
312	17.578	17.567	17.594	VV	236	2725	0.24%	0.006%
313	17.650	17.594	17.726	VV	557	24275	2.14%	0.049%
314	17.735	17.726	17.754	VV	363	2828	0.25%	0.006%
315	17.836	17.818	17.849	VV	546	6883	0.61%	0.014%

Sum of corrected areas: 49117374

Aromatic EPH 012425.M Tue Feb 11 02:22:54 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-13DL2	SDG No.:	Q1308
Lab Sample ID:	Q1308-12DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
FC068245.D	50	02/06/25	02/10/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		890		22.0	57.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1900	E	13.9	38.6	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		545		17.4	57.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		83.8		46.3	77.1	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		70.9	J	104	115	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		1.45		40 - 140	145%	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:	Q1308-12DL2	Acq On:	10 Feb 2025 11:32
Client Sample ID:	EX-11-TPH-13DL2	Operator:	YP/AJ
Data file:	FC068245.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.108	6.374	31973907	230.878	300	ug/ml
Aliphatic C12-C16	6.375	9.758	67696766	491.578	200	ug/ml
Aliphatic C16-C21	9.759	13.112	19090875	141.394	300	ug/ml
Aliphatic C21-C28	13.113	16.764	2764933	21.736	400	ug/ml
Aliphatic C28-C40	16.765	21.564	1904091	18.372	600	ug/ml
Aliphatic EPH	3.108	21.564	123430572	903.958		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.841	12.841	166317	1.45		ug/ml
Aliphatic C9-C28	3.108	16.764	121526481	885.586	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068245.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 11:32
Operator : YP/AJ
Sample : Q1308-12DL2 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL2

Integration File: autoint1.e
Quant Time: Feb 10 23:15:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.841	166317	1.446 ug/ml
Spiked Amount 50.000		Recovery =	2.89%
Target Compounds			

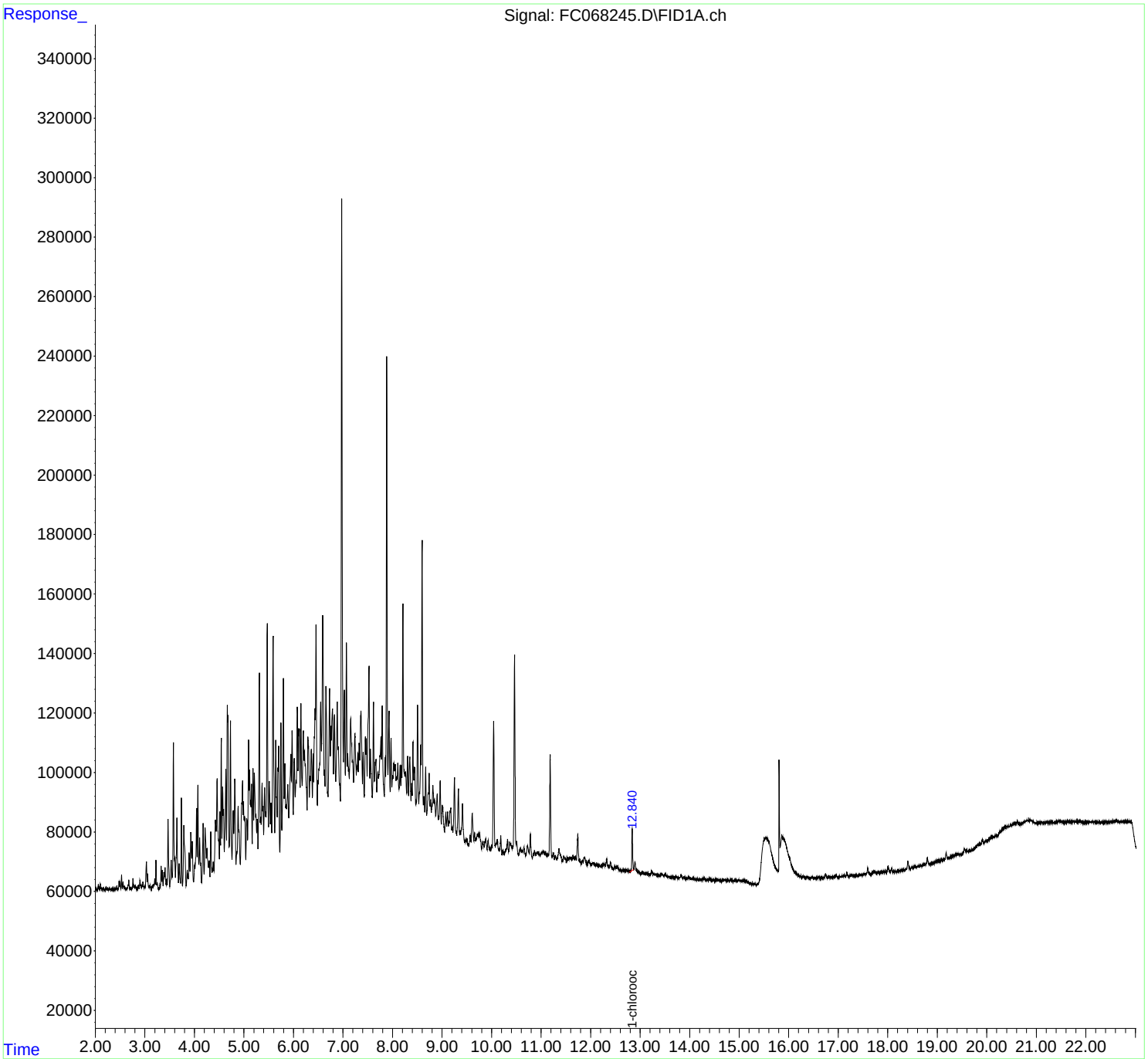
(f)=RT Delta > 1/2 Window (m)=manual int.

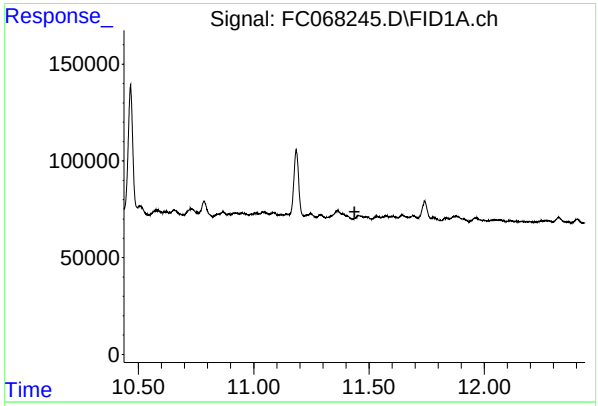
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068245.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 11:32
Operator : YP/AJ
Sample : Q1308-12DL2 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL2

Integration File: autoint1.e
Quant Time: Feb 10 23:15:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

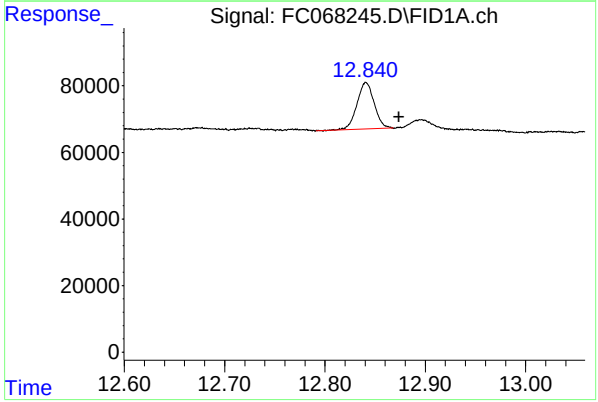




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13DL2



#12 1-chlorooctadecane (SURR)

R.T.: 12.841 min
Delta R.T.: -0.033 min
Response: 166317
Conc: 1.45 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068245.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 11:32
Sample : Q1308-12DL2 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.030	3.005	3.045	BV	8594	102506	2.77%	0.083%
2	3.055	3.045	3.090	VV	4650	46706	1.26%	0.038%
3	3.102	3.090	3.135	VV	981	11068	0.30%	0.009%
4	3.151	3.135	3.163	PV	1161	10789	0.29%	0.009%
5	3.199	3.163	3.208	VV	3384	45809	1.24%	0.037%
6	3.224	3.208	3.283	VV	9777	119444	3.22%	0.096%
7	3.328	3.283	3.341	PV	7609	82197	2.22%	0.066%
8	3.352	3.341	3.368	VV	6271	61078	1.65%	0.049%
9	3.384	3.368	3.394	VV	5489	59814	1.61%	0.048%
10	3.408	3.394	3.431	VV	7214	92468	2.50%	0.075%
11	3.442	3.431	3.450	VV	3315	28109	0.76%	0.023%
12	3.468	3.450	3.502	VV	23318	281146	7.59%	0.227%
13	3.532	3.502	3.549	VV	9691	143901	3.88%	0.116%
14	3.576	3.549	3.617	VV	48905	654761	17.67%	0.528%
15	3.647	3.617	3.678	VV	23870	396110	10.69%	0.319%
16	3.693	3.678	3.721	VV	8411	120871	3.26%	0.097%
17	3.738	3.721	3.759	VV	30464	277609	7.49%	0.224%
18	3.787	3.759	3.833	VV	21108	437041	11.80%	0.352%
19	3.854	3.833	3.877	VV	6133	103706	2.80%	0.084%
20	3.893	3.877	3.911	VV	11959	163391	4.41%	0.132%
21	3.928	3.911	3.945	VV	18979	256424	6.92%	0.207%
22	3.958	3.945	3.982	VV	15981	201513	5.44%	0.163%
23	4.044	3.982	4.055	VV	27016	471062	12.72%	0.380%
24	4.070	4.055	4.090	VV	34885	409153	11.04%	0.330%
25	4.107	4.090	4.144	VV	17145	298945	8.07%	0.241%
26	4.176	4.144	4.196	VV	21924	330004	8.91%	0.266%
27	4.218	4.196	4.241	VV	20186	371845	10.04%	0.300%
28	4.253	4.241	4.284	VV	13557	266673	7.20%	0.215%
29	4.299	4.284	4.313	VV	9278	125324	3.38%	0.101%
30	4.331	4.313	4.354	VV	18996	264001	7.13%	0.213%
31	4.381	4.354	4.394	VV	8953	161333	4.35%	0.130%
32	4.458	4.440	4.504	VV	36935	842117	22.73%	0.679%
33	4.518	4.504	4.527	VV	25749	261192	7.05%	0.211%
34	4.571	4.557	4.604	VV	34116	698835	18.86%	0.564%
35	4.635	4.604	4.648	VV	39735	657893	17.76%	0.531%
36	4.783	4.759	4.796	VV	26126	421229	11.37%	0.340%

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37	4.816	4.796	4.841	VV	36918	633063	17.09%	0.511%
38	4.883	4.841	4.926	VV	27692	809651	21.85%	0.653%
39	5.056	5.038	5.075	VV	23280	424837	11.47%	0.343%
40	5.095	5.075	5.140	VV	49783	1319856	35.63%	1.064%
41	5.152	5.140	5.167	VV	35098	443656	11.98%	0.358%
42	5.184	5.167	5.197	VV	40226	529891	14.30%	0.427%
43	5.270	5.258	5.284	VV	23415	302690	8.17%	0.244%
44	5.312	5.284	5.348	VV	72553	1334248	36.01%	1.076%
45	5.418	5.399	5.447	VV	33808	756122	20.41%	0.610%
46	5.470	5.447	5.496	VV	88875	1385070	37.39%	1.117%
47	5.512	5.496	5.534	VV	35945	660739	17.83%	0.533%
48	5.547	5.534	5.562	VV	28657	401637	10.84%	0.324%
49	5.644	5.622	5.671	VV	49320	966073	26.08%	0.779%
50	5.702	5.671	5.725	VV	47707	1050260	28.35%	0.847%
51	5.748	5.725	5.766	VV	55358	787834	21.27%	0.635%
52	5.798	5.766	5.815	VV	70490	1204976	32.53%	0.972%
53	5.827	5.815	5.859	VV	41932	838966	22.65%	0.677%
54	5.974	5.958	5.996	VV	52504	896157	24.19%	0.723%
55	6.016	5.996	6.036	VV	43318	849451	22.93%	0.685%
56	6.109	6.094	6.135	VV	53493	1137808	30.71%	0.918%
57	6.151	6.135	6.176	VV	61997	1143232	30.86%	0.922%
58	6.200	6.176	6.214	VV	52424	1011541	27.30%	0.816%
59	6.223	6.214	6.276	VV	46183	1413868	38.16%	1.140%
60	6.295	6.276	6.323	VV	50030	1158068	31.26%	0.934%
61	6.360	6.323	6.383	VV	46596	1398426	37.75%	1.128%
62	6.397	6.383	6.407	VV	44823	558930	15.09%	0.451%
63	6.456	6.407	6.482	VV	87881	2474955	66.80%	1.996%
64	6.550	6.482	6.566	VV	62661	2160726	58.32%	1.743%
65	6.592	6.566	6.637	VV	91097	2478399	66.90%	1.999%
66	6.657	6.637	6.698	VV	67332	1701297	45.92%	1.372%
67	6.730	6.698	6.747	VV	67061	1421758	38.38%	1.147%
68	6.759	6.747	6.767	VV	54361	629044	16.98%	0.507%
69	6.787	6.767	6.808	VV	60094	1296828	35.00%	1.046%
70	6.828	6.808	6.855	VV	58204	1296843	35.00%	1.046%
71	6.975	6.947	7.008	VV	230800	3704755	100.00%	2.988%
72	7.071	7.048	7.089	VV	81642	1416735	38.24%	1.143%
73	7.097	7.089	7.126	VV	44841	906780	24.48%	0.731%
74	7.156	7.126	7.215	VV	56787	2404228	64.90%	1.939%
75	7.299	7.270	7.312	VV	45166	1025082	27.67%	0.827%
76	7.328	7.312	7.340	VV	48181	751544	20.29%	0.606%
77	7.361	7.340	7.394	VV	58825	1619892	43.72%	1.306%
78	7.452	7.430	7.463	VV	50618	842321	22.74%	0.679%
79	7.473	7.463	7.488	VV	49798	676431	18.26%	0.546%
80	7.526	7.488	7.544	VV	73976	1816259	49.03%	1.465%
81	7.555	7.544	7.593	VV	46398	1148027	30.99%	0.926%
82	7.665	7.637	7.684	VV	42672	1083999	29.26%	0.874%
83	7.705	7.684	7.716	VV	38674	706945	19.08%	0.570%
84	7.793	7.777	7.834	VV	60541	1484502	40.07%	1.197%
85	7.854	7.834	7.863	VV	43735	659364	17.80%	0.532%
86	7.885	7.863	7.909	VV	176752	2423489	65.42%	1.955%
87	7.931	7.909	7.954	VV	59268	1249438	33.73%	1.008%
88	8.026	7.990	8.042	VV	41551	1197040	32.31%	0.965%
89	8.109	8.071	8.132	VV	41564	1348159	36.39%	1.087%

90	8.154	8.132	8.167	VV	41070	775543	20.93%	0.625%
91	8.212	8.190	8.250	VV	94824	1930640	52.11%	1.557%
92	8.266	8.250	8.285	VV	38689	763884	20.62%	0.616%
93	8.305	8.285	8.324	VV	43923	873990	23.59%	0.705%
94	8.350	8.324	8.374	VV	43659	1115838	30.12%	0.900%
95	8.389	8.374	8.398	VV	34820	457189	12.34%	0.369%
96	8.414	8.398	8.428	VV	48738	737165	19.90%	0.595%
97	8.443	8.428	8.471	VV	39917	926500	25.01%	0.747%
98	8.508	8.471	8.532	VV	60895	1428884	38.57%	1.152%
99	8.571	8.532	8.580	VV	47641	1032218	27.86%	0.833%
100	8.599	8.580	8.624	VV	115908	1730890	46.72%	1.396%
101	8.636	8.624	8.652	VV	30418	479020	12.93%	0.386%
102	8.671	8.652	8.691	VV	40388	738982	19.95%	0.596%
103	8.741	8.691	8.758	VV	38172	1221148	32.96%	0.985%
104	8.768	8.758	8.786	VV	29226	461104	12.45%	0.372%
105	8.817	8.786	8.838	VV	34104	930044	25.10%	0.750%
106	8.846	8.838	8.874	VV	28843	596771	16.11%	0.481%
107	8.903	8.874	8.931	VV	31087	907999	24.51%	0.732%
108	8.964	8.931	8.987	VV	35582	906771	24.48%	0.731%
109	9.006	8.987	9.052	VV	27176	916902	24.75%	0.739%
110	9.077	9.052	9.095	VV	25001	560684	15.13%	0.452%
111	9.114	9.095	9.132	VV	25060	503838	13.60%	0.406%
112	9.143	9.132	9.146	VV	22035	189952	5.13%	0.153%
113	9.177	9.146	9.198	VV	26519	731513	19.75%	0.590%
114	9.208	9.198	9.220	VV	20039	257236	6.94%	0.207%
115	9.252	9.220	9.297	VV	36470	1100798	29.71%	0.888%
116	9.332	9.297	9.356	VV	32676	832355	22.47%	0.671%
117	9.366	9.356	9.378	VV	18660	242384	6.54%	0.195%
118	9.415	9.378	9.458	VV	27848	960003	25.91%	0.774%
119	9.495	9.458	9.544	VV	16039	781109	21.08%	0.630%
120	9.567	9.544	9.585	VV	17198	389469	10.51%	0.314%
121	9.611	9.585	9.643	VV	24613	682921	18.43%	0.551%
122	9.659	9.643	9.676	VV	18106	326085	8.80%	0.263%
123	9.713	9.676	9.722	VV	17676	461689	12.46%	0.372%
124	9.733	9.722	9.747	VV	17815	261478	7.06%	0.211%
125	9.761	9.747	9.798	VV	17923	487196	13.15%	0.393%
126	9.829	9.798	9.854	VV	15025	470698	12.71%	0.380%
127	9.885	9.854	9.910	VV	16027	485798	13.11%	0.392%
128	9.932	9.910	9.966	VV	15548	458011	12.36%	0.369%
129	10.004	9.966	10.013	VV	13968	369654	9.98%	0.298%
130	10.044	10.013	10.074	VV	55483	1060205	28.62%	0.855%
131	10.119	10.074	10.161	VV	15628	723285	19.52%	0.583%
132	10.188	10.161	10.211	VV	17000	410447	11.08%	0.331%
133	10.231	10.211	10.255	VV	12314	302103	8.15%	0.244%
134	10.323	10.255	10.348	VV	15706	710441	19.18%	0.573%
135	10.369	10.348	10.381	VV	14932	266692	7.20%	0.215%
136	10.390	10.381	10.428	VV	14500	387121	10.45%	0.312%
137	10.466	10.428	10.496	VV	76779	1382259	37.31%	1.115%
138	10.506	10.496	10.548	VV	14887	400343	10.81%	0.323%
139	10.579	10.548	10.603	VV	12806	395924	10.69%	0.319%
140	10.617	10.603	10.632	VV	12051	204618	5.52%	0.165%
141	10.655	10.632	10.691	VV	13066	416943	11.25%	0.336%

142	10.726	10.691	10.760	VV	13523	498153	13.45%	0.402%
143	10.921	10.901	10.937	VV	11400	235610	6.36%	0.190%
144	10.950	10.937	10.978	VV	11204	272287	7.35%	0.220%
145	11.046	11.022	11.068	VV	11865	307660	8.30%	0.248%
146	11.086	11.068	11.111	VV	11592	285853	7.72%	0.231%
147	11.121	11.111	11.131	VV	10344	119617	3.23%	0.096%
148	11.142	11.131	11.154	VV	10711	150950	4.07%	0.122%
149	11.185	11.154	11.221	VV	43849	875568	23.63%	0.706%
150	11.248	11.221	11.272	VV	11110	310028	8.37%	0.250%
151	11.289	11.272	11.320	VV	10272	270968	7.31%	0.219%
152	11.364	11.320	11.430	VV	12585	675968	18.25%	0.545%
153	11.534	11.510	11.554	VV	9556	238419	6.44%	0.192%
154	11.576	11.554	11.591	VV	9729	205901	5.56%	0.166%
155	11.604	11.591	11.625	VV	9510	189781	5.12%	0.153%
156	11.644	11.625	11.674	VV	10325	274360	7.41%	0.221%
157	11.692	11.674	11.712	VV	9929	211041	5.70%	0.170%
158	11.742	11.712	11.769	VV	17339	419026	11.31%	0.338%
159	11.779	11.769	11.812	VV	8922	206624	5.58%	0.167%
160	11.834	11.812	11.848	VV	8620	176651	4.77%	0.142%
161	11.875	11.848	11.934	VV	9539	441236	11.91%	0.356%
162	11.962	11.934	12.011	VV	8623	354649	9.57%	0.286%
163	12.061	12.011	12.098	VV	7585	380049	10.26%	0.307%
164	12.163	12.154	12.174	VV	6758	80593	2.18%	0.065%
165	12.182	12.174	12.221	VV	6669	184214	4.97%	0.149%
166	12.271	12.221	12.301	VV	7265	332350	8.97%	0.268%
167	12.322	12.301	12.377	VV	8922	327600	8.84%	0.264%
168	12.402	12.377	12.446	VV	7890	273659	7.39%	0.221%
169	12.491	12.446	12.528	VV	6314	293456	7.92%	0.237%
170	12.544	12.528	12.578	VV	6535	175803	4.75%	0.142%
171	12.593	12.578	12.614	VV	5328	114092	3.08%	0.092%
172	12.674	12.614	12.705	VV	5385	277431	7.49%	0.224%
173	12.726	12.705	12.757	VV	5233	154081	4.16%	0.124%
174	12.768	12.757	12.791	VV	4927	97667	2.64%	0.079%
175	12.841	12.791	12.870	VV	18957	399240	10.78%	0.322%
176	12.896	12.870	13.001	VV	7761	415845	11.22%	0.335%
177	13.026	13.001	13.051	VV	4257	123462	3.33%	0.100%
178	13.064	13.051	13.093	VV	4236	102152	2.76%	0.082%
179	13.111	13.093	13.137	VV	4217	106333	2.87%	0.086%
180	13.146	13.137	13.205	VV	3955	151434	4.09%	0.122%
181	13.235	13.205	13.268	VV	4818	154658	4.17%	0.125%
182	13.282	13.268	13.298	VV	3811	66236	1.79%	0.053%
183	13.318	13.298	13.372	VV	3734	152268	4.11%	0.123%
184	13.419	13.372	13.432	VV	3737	121336	3.28%	0.098%
185	13.447	13.432	13.478	VV	3719	94945	2.56%	0.077%
186	13.506	13.478	13.548	VV	3972	139640	3.77%	0.113%
187	13.579	13.548	13.621	VV	3043	125059	3.38%	0.101%
188	13.632	13.621	13.641	VV	2640	31482	0.85%	0.025%
189	13.674	13.641	13.706	VV	2790	104236	2.81%	0.084%
190	13.741	13.706	13.778	VV	2860	110746	2.99%	0.089%
191	13.827	13.778	13.871	VV	3430	151292	4.08%	0.122%
192	13.894	13.871	13.922	VV	2625	73605	1.99%	0.059%
193	13.983	13.922	14.014	VV	2617	127692	3.45%	0.103%
194	14.035	14.014	14.058	VV	2187	53914	1.46%	0.043%

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195	14.086	14.058	14.126	VV	2386	83655	2.26%	0.067%
196	14.153	14.126	14.181	VV	1923	59918	1.62%	0.048%
197	14.232	14.181	14.254	VV	1980	81588	2.20%	0.066%
198	14.287	14.254	14.346	VV	2366	107466	2.90%	0.087%
199	14.395	14.346	14.418	VV	2052	76224	2.06%	0.061%
200	14.500	14.491	14.509	VV	1494	15702	0.42%	0.013%
201	14.535	14.509	14.576	VV	1932	66334	1.79%	0.053%
202	14.697	14.638	14.714	VV	1789	68842	1.86%	0.056%
203	14.725	14.714	14.748	VV	1585	31177	0.84%	0.025%
204	14.837	14.807	14.869	VV	1691	54681	1.48%	0.044%
205	14.895	14.869	14.910	VV	1384	32241	0.87%	0.026%
206	14.946	14.910	14.984	VV	1596	64242	1.73%	0.052%
207	15.053	15.041	15.068	VV	1403	19926	0.54%	0.016%
208	15.107	15.068	15.121	VV	1370	40869	1.10%	0.033%
209	15.124	15.121	15.131	VV	1287	7070	0.19%	0.006%
210	15.139	15.131	15.221	VV	1354	44066	1.19%	0.036%
211	15.230	15.221	15.257	VV	728	8690	0.23%	0.007%
212	15.269	15.257	15.341	VV	289	6997	0.19%	0.006%
213	16.249	16.241	16.282	VV	1444	31809	0.86%	0.026%
214	16.299	16.282	16.331	VV	1474	32379	0.87%	0.026%
215	16.359	16.331	16.424	VV	1110	51149	1.38%	0.041%
216	16.487	16.424	16.514	VV	811	36161	0.98%	0.029%
217	16.539	16.514	16.571	VV	697	20055	0.54%	0.016%
218	16.604	16.571	16.637	VV	591	19357	0.52%	0.016%
219	16.653	16.637	16.672	VV	387	6969	0.19%	0.006%
220	16.745	16.672	16.775	VV	1649	38823	1.05%	0.031%
221	16.787	16.775	16.838	VV	613	12981	0.35%	0.010%
222	16.851	16.838	16.873	VV	316	5003	0.14%	0.004%
223	16.958	16.873	17.008	VV	792	28225	0.76%	0.023%
224	17.020	17.008	17.046	VV	325	5313	0.14%	0.004%
225	17.069	17.046	17.088	VV	308	5676	0.15%	0.005%
226	17.123	17.088	17.154	VV	495	11898	0.32%	0.010%
227	17.173	17.154	17.215	VV	1570	25415	0.69%	0.020%
228	17.230	17.215	17.247	VV	352	3984	0.11%	0.003%
229	17.273	17.247	17.368	VV	487	19290	0.52%	0.016%
230	17.381	17.368	17.406	VV	149	2529	0.07%	0.002%
231	17.448	17.406	17.476	PV	277	6983	0.19%	0.006%
232	17.500	17.476	17.510	VV	317	5008	0.14%	0.004%
233	17.535	17.510	17.545	VV	457	7131	0.19%	0.006%
234	17.595	17.545	17.644	VV	2370	46044	1.24%	0.037%
235	17.661	17.644	17.674	VV	361	4954	0.13%	0.004%
236	17.719	17.674	17.785	VV	1264	40459	1.09%	0.033%
237	17.817	17.785	17.844	VV	340	10600	0.29%	0.009%
238	17.870	17.844	17.891	VV	444	9758	0.26%	0.008%
239	17.903	17.891	17.922	VV	500	7661	0.21%	0.006%
240	17.931	17.922	17.941	VV	413	4435	0.12%	0.004%
241	17.949	17.941	17.978	VV	491	7985	0.22%	0.006%
242	18.007	17.978	18.045	VV	2300	40089	1.08%	0.032%
243	18.077	18.045	18.138	VV	1414	26431	0.71%	0.021%
244	18.149	18.138	18.172	VV	192	2198	0.06%	0.002%
245	18.226	18.172	18.239	PV	237	5111	0.14%	0.004%
246	18.267	18.239	18.294	VV	279	4608	0.12%	0.004%

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247	18.305	18.294	18.314	VV	108	889	0.02%	0.001%
248	18.407	18.314	18.460	VV	2727	47993	1.30%	0.039%
249	18.492	18.460	18.514	PV	563	9188	0.25%	0.007%
250	18.536	18.514	18.551	VV	441	6311	0.17%	0.005%
251	18.564	18.551	18.574	VV	160	1883	0.05%	0.002%
252	18.664	18.574	18.687	VV	361	10286	0.28%	0.008%
253	18.698	18.687	18.710	VV	272	2724	0.07%	0.002%
254	18.798	18.710	18.848	VV	2422	49666	1.34%	0.040%
255	18.886	18.848	18.911	VV	288	4432	0.12%	0.004%
256	18.995	18.911	19.021	PV	447	16407	0.44%	0.013%
257	19.080	19.021	19.104	VV	590	19451	0.53%	0.016%
258	19.411	19.226	19.441	VV	1195	112656	3.04%	0.091%
259	19.461	19.441	19.501	VV	1017	31203	0.84%	0.025%
260	19.599	19.594	19.634	VV	1623	30574	0.83%	0.025%
261	19.909	19.634	19.943	VV	4104	406023	10.96%	0.327%
262	20.089	19.943	20.097	VV	4195	321393	8.68%	0.259%
263	20.107	20.097	20.121	VV	4026	58343	1.57%	0.047%
264	20.268	20.121	20.283	VV	5473	424900	11.47%	0.343%

Sum of corrected areas: 123990095

Aliphatic EPH 012425.M Tue Feb 11 00:09:19 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-13DL3	SDG No.:	Q1308
Lab Sample ID:	Q1308-12DL3	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
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
FC068246.D	200	02/06/25	02/10/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		1040		87.9	231	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		2000		55.5	154	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		571		69.4	231	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		88.0	J	185	308	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		416	U	416	462	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-12DL3	Acq On:	10 Feb 2025 12:09
Client Sample ID:	EX-11-TPH-13DL3	Operator:	YP/AJ
Data file:	FC068246.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	200	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.108	6.374	9332981	67.392	300	ug/ml
Aliphatic C12-C16	6.375	9.758	17815605	129.368	200	ug/ml
Aliphatic C16-C21	9.759	13.112	4997540	37.014	300	ug/ml
Aliphatic C21-C28	13.113	16.764	725362	5.702	400	ug/ml
Aliphatic C28-C40	16.765	21.564	526296	5.078	600	ug/ml
Aliphatic EPH	3.108	21.564	33397784	244.553		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	3.108	16.764	32871488	239.476	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068246.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 12:09
Operator : YP/AJ
Sample : Q1308-12DL3 200X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13

Integration File: autoint1.e
Quant Time: Feb 10 23:16:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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

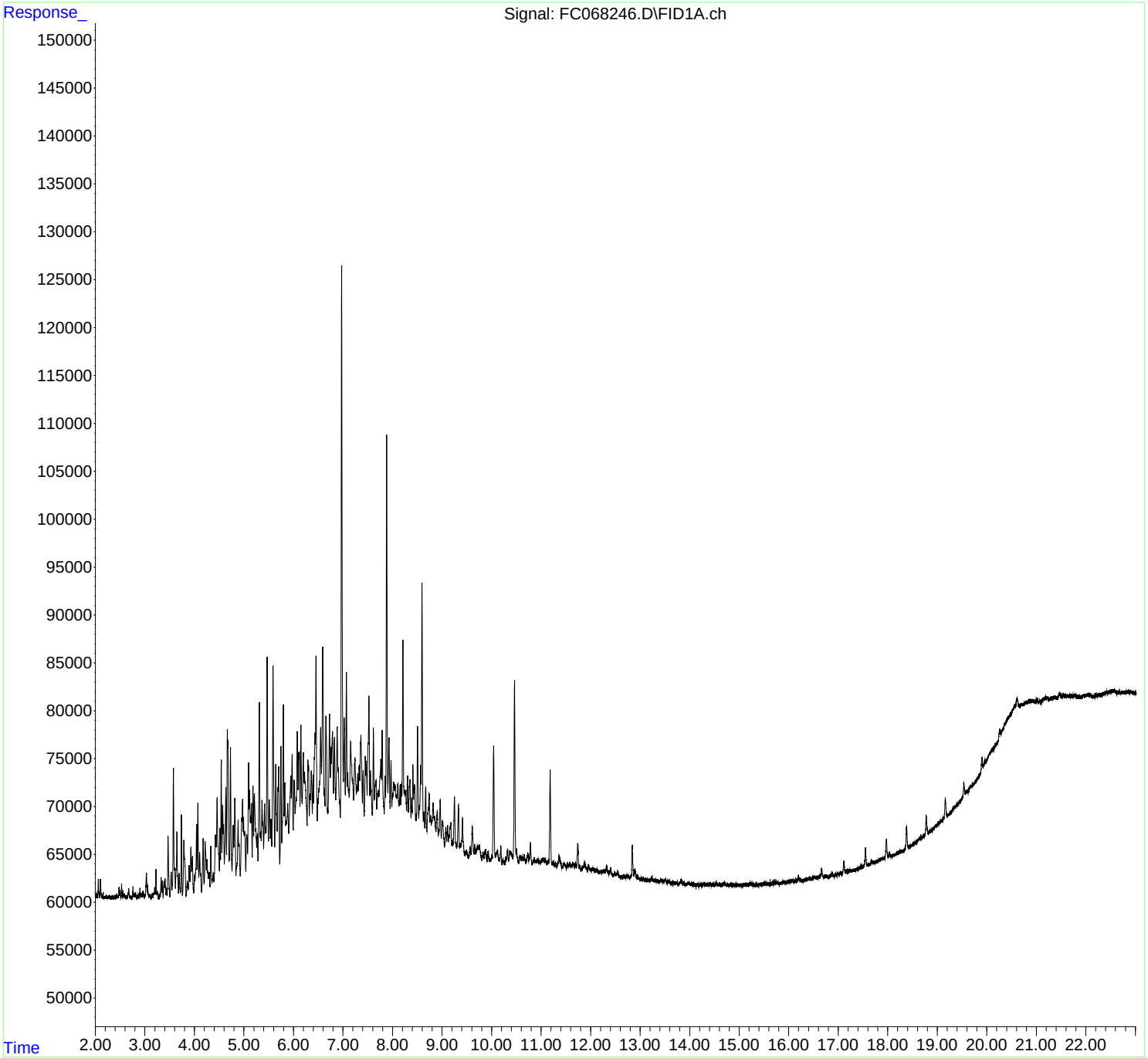
(f)=RT Delta > 1/2 Window (m)=manual int.

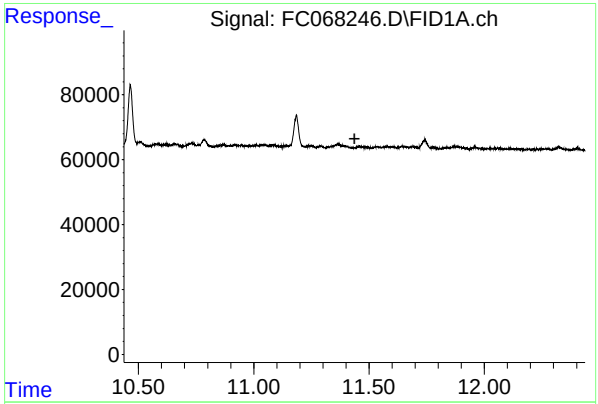
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068246.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 12:09
Operator : YP/AJ
Sample : Q1308-12DL3 200X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13

Integration File: autoint1.e
Quant Time: Feb 10 23:16:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

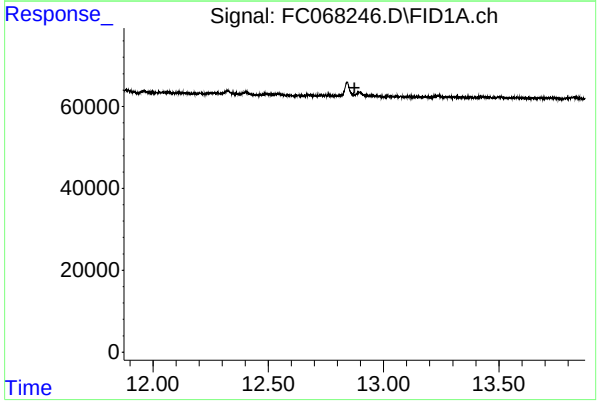




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-13



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.874 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068246.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 12:09
Sample : Q1308-12DL3 200X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.030	3.004	3.045	PH	1963	17972	1.75%	0.054%
2	3.055	3.045	3.093	PV	710	-1461	-0.14%	-0.004%
3	3.103	3.093	3.127	PV	-336	-9035	-0.88%	-0.027%
4	3.152	3.127	3.165	PV	-292	-9853	-0.96%	-0.029%
5	3.199	3.165	3.209	PV	420	-1647	-0.16%	-0.005%
6	3.224	3.209	3.279	PV	2242	9008	0.88%	0.027%
7	3.328	3.279	3.341	PV	1525	520	0.05%	0.002%
8	3.352	3.341	3.368	VV	1130	7120	0.69%	0.021%
9	3.385	3.368	3.394	PV	944	6818	0.66%	0.020%
10	3.408	3.394	3.430	VV	1341	12293	1.20%	0.037%
11	3.442	3.430	3.450	PV	346	412	0.04%	0.001%
12	3.468	3.450	3.502	PV	5824	59391	5.78%	0.178%
13	3.532	3.502	3.549	PV	2021	22551	2.19%	0.068%
14	3.576	3.549	3.617	VV	12753	159423	15.51%	0.477%
15	3.647	3.617	3.678	VV	6229	89912	8.75%	0.269%
16	3.693	3.678	3.719	PV	1878	19832	1.93%	0.059%
17	3.738	3.719	3.759	VV	7975	65331	6.36%	0.196%
18	3.787	3.759	3.834	PV	5373	97819	9.52%	0.293%
19	3.854	3.834	3.877	PV	1105	13287	1.29%	0.040%
20	3.893	3.877	3.912	VV	2706	34243	3.33%	0.103%
21	3.928	3.912	3.945	VV	4663	59518	5.79%	0.178%
22	3.958	3.945	3.982	VV	3728	43241	4.21%	0.129%
23	4.044	3.982	4.055	VV	7011	106760	10.39%	0.320%
24	4.070	4.055	4.090	VV	9220	103250	10.05%	0.309%
25	4.106	4.090	4.144	VV	4094	67044	6.52%	0.201%
26	4.176	4.144	4.196	VV	5598	75464	7.34%	0.226%
27	4.218	4.196	4.242	VV	5158	89200	8.68%	0.267%
28	4.253	4.242	4.288	VV	3257	63363	6.16%	0.190%
29	4.298	4.288	4.313	VV	2024	23078	2.25%	0.069%
30	4.331	4.313	4.354	VV	4799	60250	5.86%	0.180%
31	4.380	4.354	4.393	VV	1924	33704	3.28%	0.101%
32	4.425	4.393	4.440	VV	5888	111217	10.82%	0.333%
33	4.458	4.440	4.503	VV	9715	215048	20.92%	0.644%
34	4.542	4.527	4.557	VV	13673	145580	14.16%	0.436%
35	4.634	4.605	4.648	VV	10807	168850	16.43%	0.505%
36	4.665	4.648	4.703	VV	16728	336650	32.75%	1.008%

37	4.728	4.703	4.759	VV	15100	225472	21.94%	0.675%
38	4.816	4.796	4.840	VV	9795	161529	15.71%	0.484%
39	4.882	4.840	4.926	VV	7439	202990	19.75%	0.608%
40	5.057	5.037	5.075	VV	5976	109044	10.61%	0.326%
41	5.095	5.075	5.140	VV	13473	351937	34.24%	1.054%
42	5.152	5.140	5.167	VV	9112	115780	11.26%	0.347%
43	5.211	5.197	5.258	VV	10219	272347	26.50%	0.815%
44	5.270	5.258	5.284	VV	6060	77243	7.51%	0.231%
45	5.366	5.348	5.399	VV	9598	213672	20.79%	0.640%
46	5.470	5.447	5.496	VV	24043	373145	36.30%	1.117%
47	5.547	5.534	5.562	VV	7501	107124	10.42%	0.321%
48	5.589	5.562	5.622	VV	23542	426803	41.52%	1.278%
49	5.701	5.671	5.724	VV	13033	281879	27.42%	0.844%
50	5.748	5.724	5.766	VV	15180	210031	20.43%	0.629%
51	5.797	5.766	5.815	VV	19362	326065	31.72%	0.976%
52	5.826	5.815	5.859	VV	11310	228540	22.23%	0.684%
53	5.885	5.859	5.904	VV	9236	211483	20.57%	0.633%
54	5.946	5.904	5.958	VV	12092	300960	29.28%	0.901%
55	5.973	5.958	5.995	VV	14346	240460	23.39%	0.720%
56	6.014	5.995	6.035	VV	11638	229389	22.32%	0.687%
57	6.078	6.035	6.094	VV	16759	409116	39.80%	1.225%
58	6.117	6.094	6.134	VV	14696	309614	30.12%	0.927%
59	6.151	6.134	6.176	VV	17320	314771	30.62%	0.942%
60	6.199	6.176	6.214	VV	14526	273438	26.60%	0.819%
61	6.223	6.214	6.275	VV	12408	380790	37.05%	1.140%
62	6.293	6.275	6.322	VV	13584	313147	30.47%	0.937%
63	6.360	6.322	6.382	VV	12523	377535	36.73%	1.130%
64	6.396	6.382	6.406	VV	12132	147855	14.38%	0.443%
65	6.455	6.406	6.481	VV	24429	678349	66.00%	2.031%
66	6.549	6.481	6.565	VV	17052	594467	57.83%	1.780%
67	6.591	6.565	6.637	VV	25541	674892	65.66%	2.020%
68	6.657	6.637	6.701	VV	18235	480995	46.80%	1.440%
69	6.729	6.701	6.746	VV	18506	367863	35.79%	1.101%
70	6.759	6.746	6.767	VV	15023	177619	17.28%	0.532%
71	6.787	6.767	6.808	VV	16749	353176	34.36%	1.057%
72	6.828	6.808	6.855	VV	16109	355407	34.58%	1.064%
73	6.884	6.855	6.946	VV	17210	660430	64.25%	1.977%
74	6.973	6.946	7.007	VV	65010	1027872	100.00%	3.077%
75	7.026	7.007	7.047	VV	18001	337865	32.87%	1.011%
76	7.070	7.047	7.088	VV	22899	382451	37.21%	1.145%
77	7.155	7.126	7.215	VV	15650	658009	64.02%	1.970%
78	7.241	7.215	7.270	VV	13916	397389	38.66%	1.190%
79	7.299	7.270	7.311	VV	12309	271987	26.46%	0.814%
80	7.326	7.311	7.339	VV	13226	204125	19.86%	0.611%
81	7.362	7.339	7.393	VV	16224	442649	43.06%	1.325%
82	7.408	7.393	7.429	VV	12596	226505	22.04%	0.678%
83	7.525	7.488	7.543	VV	20401	498030	48.45%	1.491%
84	7.555	7.543	7.592	VV	12614	312518	30.40%	0.936%
85	7.616	7.592	7.636	VV	17070	316636	30.80%	0.948%
86	7.665	7.636	7.683	VV	11609	296344	28.83%	0.887%
87	7.704	7.683	7.728	VV	10439	267702	26.04%	0.801%
88	7.766	7.728	7.777	VV	13836	357512	34.78%	1.070%
89	7.852	7.834	7.862	VV	12019	174977	17.02%	0.524%

rteres

90	7.883	7.862	7.908	VV	47883	671950	65.37%	2.012%
91	7.930	7.908	7.953	VV	16047	344767	33.54%	1.032%
92	7.971	7.953	7.989	VV	13587	240949	23.44%	0.721%
93	8.025	7.989	8.043	VV	11347	340858	33.16%	1.020%
94	8.084	8.081	8.093	VV	10079	70420	6.85%	0.211%
95	8.109	8.093	8.131	VV	11230	234917	22.85%	0.703%
96	8.154	8.131	8.167	VV	11115	212072	20.63%	0.635%
97	8.180	8.167	8.190	VV	11123	147622	14.36%	0.442%
98	8.211	8.190	8.251	VV	26186	539438	52.48%	1.615%
99	8.264	8.251	8.285	VV	10553	203938	19.84%	0.610%
100	8.305	8.285	8.323	VV	12085	230626	22.44%	0.690%
101	8.388	8.374	8.397	VV	9649	123025	11.97%	0.368%
102	8.414	8.397	8.428	VV	13231	202431	19.69%	0.606%
103	8.444	8.428	8.485	VV	11084	319033	31.04%	0.955%
104	8.508	8.485	8.532	VV	17116	325715	31.69%	0.975%
105	8.636	8.623	8.652	VV	8301	133882	13.03%	0.401%
106	8.670	8.652	8.692	VV	10864	201926	19.65%	0.604%
107	8.819	8.782	8.874	VV	9178	429413	41.78%	1.285%
108	8.902	8.874	8.926	VV	8410	224792	21.87%	0.673%
109	9.008	8.986	9.050	VV	7286	244916	23.83%	0.733%
110	9.078	9.050	9.094	VV	6734	155076	15.09%	0.464%
111	9.142	9.131	9.147	VV	5943	56473	5.49%	0.169%
112	9.177	9.147	9.198	VV	7200	192804	18.76%	0.577%
113	9.207	9.198	9.218	VV	5316	62216	6.05%	0.186%
114	9.251	9.218	9.295	VV	9816	297304	28.92%	0.890%
115	9.332	9.295	9.357	VV	9066	233430	22.71%	0.699%
116	9.414	9.357	9.463	VV	7677	331224	32.22%	0.992%
117	9.566	9.543	9.586	VV	4507	108919	10.60%	0.326%
118	9.612	9.586	9.644	VV	6700	182788	17.78%	0.547%
119	9.658	9.644	9.678	VV	4868	89057	8.66%	0.267%
120	9.759	9.748	9.800	VV	4936	131322	12.78%	0.393%
121	9.827	9.800	9.850	VV	3974	113036	11.00%	0.338%
122	9.882	9.850	9.914	VV	4317	149625	14.56%	0.448%
123	10.003	9.965	10.013	VV	3764	100905	9.82%	0.302%
124	10.043	10.013	10.074	VV	15211	292269	28.43%	0.875%
125	10.118	10.074	10.161	VV	4274	198686	19.33%	0.595%
126	10.231	10.212	10.264	VV	3425	99075	9.64%	0.297%
127	10.288	10.264	10.296	VV	3541	65050	6.33%	0.195%
128	10.369	10.346	10.384	VV	4276	89075	8.67%	0.267%
129	10.391	10.384	10.429	VV	4118	103470	10.07%	0.310%
130	10.465	10.429	10.495	VV	21909	386814	37.63%	1.158%
131	10.582	10.545	10.601	VV	3815	116956	11.38%	0.350%
132	10.615	10.601	10.641	VV	3639	84053	8.18%	0.252%
133	10.656	10.641	10.696	VV	3847	115138	11.20%	0.345%
134	10.731	10.696	10.753	VV	4037	121272	11.80%	0.363%
135	10.918	10.904	10.934	VV	3466	59886	5.83%	0.179%
136	10.947	10.934	10.959	VV	3350	48023	4.67%	0.144%
137	10.966	10.959	10.984	VV	3187	48050	4.67%	0.144%
138	11.010	10.984	11.021	VV	3336	72101	7.01%	0.216%
139	11.039	11.021	11.071	VV	3423	99745	9.70%	0.299%
140	11.085	11.071	11.121	VV	3422	97290	9.47%	0.291%
141	11.291	11.274	11.311	VV	3073	62662	6.10%	0.188%

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142	11.365	11.311	11.431	VV	3715	220235	21.43%	0.659%
143	11.461	11.431	11.512	VV	3004	133545	12.99%	0.400%
144	11.577	11.551	11.617	VV	3016	112658	10.96%	0.337%
145	11.644	11.617	11.678	VV	3035	102629	9.98%	0.307%
146	11.741	11.713	11.768	VV	4950	119889	11.66%	0.359%
147	11.781	11.768	11.814	VV	2727	70056	6.82%	0.210%
148	11.835	11.814	11.851	VV	2609	55101	5.36%	0.165%
149	11.871	11.851	11.933	VV	3048	131907	12.83%	0.395%
150	11.959	11.933	12.017	VV	2738	122764	11.94%	0.367%
151	12.057	12.017	12.101	VV	2472	117072	11.39%	0.350%
152	12.111	12.101	12.177	VV	2365	99979	9.73%	0.299%
153	12.189	12.177	12.196	VV	2099	23137	2.25%	0.069%
154	12.277	12.196	12.294	VV	2267	126747	12.33%	0.379%
155	12.324	12.294	12.378	VV	2779	112621	10.96%	0.337%
156	12.402	12.378	12.454	VV	2491	93538	9.10%	0.280%
157	12.490	12.454	12.522	VV	1980	75521	7.35%	0.226%
158	12.543	12.522	12.608	VV	2060	90925	8.85%	0.272%
159	12.632	12.608	12.652	VV	1648	42072	4.09%	0.126%
160	12.671	12.652	12.758	VV	1762	102683	9.99%	0.307%
161	12.764	12.758	12.797	VV	1625	36592	3.56%	0.110%
162	12.842	12.797	12.874	VV	4858	118252	11.50%	0.354%
163	12.896	12.874	12.948	VV	2423	82425	8.02%	0.247%
164	12.955	12.948	12.994	VV	1568	40190	3.91%	0.120%
165	13.017	12.994	13.051	VV	1401	45683	4.44%	0.137%
166	13.061	13.051	13.089	VV	1397	30153	2.93%	0.090%
167	13.111	13.089	13.136	VV	1468	36663	3.57%	0.110%
168	13.148	13.136	13.168	VV	1329	24531	2.39%	0.073%
169	13.182	13.168	13.210	VV	1352	31537	3.07%	0.094%
170	13.237	13.210	13.269	VV	1588	49237	4.79%	0.147%
171	13.282	13.269	13.309	VV	1296	29337	2.85%	0.088%
172	13.424	13.390	13.486	HH	1301	67796	6.60%	0.203%
173	13.600	13.591	13.634	HH	1088	24863	2.42%	0.074%
174	13.644	13.634	13.668	HH	970	19621	1.91%	0.059%
175	14.032	14.014	14.061	HH	862	22557	2.19%	0.068%
176	14.151	14.127	14.180	HH	815	24124	2.35%	0.072%
177	14.244	14.228	14.264	HH	849	16732	1.63%	0.050%
178	14.349	14.338	14.358	HH	775	8894	0.87%	0.027%
179	14.489	14.468	14.514	HH	817	21272	2.07%	0.064%
180	14.533	14.514	14.574	HH	960	30298	2.95%	0.091%
181	14.584	14.574	14.598	HH	820	10778	1.05%	0.032%
182	14.651	14.641	14.657	HH	807	7768	0.76%	0.023%
183	14.665	14.657	14.694	HH	874	18478	1.80%	0.055%
184	14.752	14.741	14.761	HH	793	9192	0.89%	0.028%
185	14.946	14.934	14.971	HH	806	16405	1.60%	0.049%
186	15.049	15.044	15.091	VV	727	18610	1.81%	0.056%
187	15.102	15.091	15.111	VV	653	7937	0.77%	0.024%
188	15.128	15.111	15.184	VV	708	28263	2.75%	0.085%
189	15.222	15.184	15.232	VV	738	18529	1.80%	0.055%
190	15.423	15.376	15.450	VV	445	18559	1.81%	0.056%
191	15.460	15.450	15.498	VV	468	11424	1.11%	0.034%
192	15.513	15.498	15.573	VV	539	18527	1.80%	0.055%
193	15.622	15.573	15.664	VV	496	17354	1.69%	0.052%
194	15.714	15.664	15.741	VV	560	17836	1.74%	0.053%

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195	15.752	15.741	15.784	VV	335	7380	0.72%	0.022%
196	15.792	15.784	15.818	VV	290	4457	0.43%	0.013%
197	15.834	15.818	15.848	VV	277	3773	0.37%	0.011%
198	15.895	15.848	15.924	VV	335	11102	1.08%	0.033%
199	15.965	15.924	15.970	VV	244	5477	0.53%	0.016%
200	15.984	15.970	15.994	VV	280	2898	0.28%	0.009%
201	16.035	15.994	16.059	VV	354	9825	0.96%	0.029%
202	16.070	16.059	16.095	VV	340	4772	0.46%	0.014%
203	16.138	16.095	16.164	VV	246	7063	0.69%	0.021%
204	16.197	16.164	16.278	VV	535	15902	1.55%	0.048%
205	16.351	16.278	16.361	VV	163	5959	0.58%	0.018%
206	16.378	16.361	16.387	VV	234	2756	0.27%	0.008%
207	16.424	16.387	16.445	VV	294	7062	0.69%	0.021%
208	16.465	16.445	16.481	VV	217	3376	0.33%	0.010%
209	16.520	16.481	16.578	VV	300	11305	1.10%	0.034%
210	16.587	16.578	16.634	VV	178	5494	0.53%	0.016%
211	16.662	16.634	16.726	VV	956	21166	2.06%	0.063%
212	16.758	16.726	16.800	VV	165	5136	0.50%	0.015%
213	16.843	16.800	16.855	PV	133	3297	0.32%	0.010%
214	16.879	16.855	16.918	VV	307	5158	0.50%	0.015%
215	16.934	16.918	16.944	PV	96	1167	0.11%	0.003%
216	16.957	16.944	16.980	VV	147	1714	0.17%	0.005%
217	16.996	16.980	17.013	PV	101	1510	0.15%	0.005%
218	17.047	17.013	17.086	VV	186	4287	0.42%	0.013%
219	17.113	17.086	17.144	VV	1254	19547	1.90%	0.059%
220	17.225	17.144	17.238	VV	180	7127	0.69%	0.021%
221	17.240	17.238	17.274	VV	140	1634	0.16%	0.005%
222	17.450	17.274	17.493	PV	143	6072	0.59%	0.018%
223	17.549	17.493	17.634	VV	1848	32840	3.19%	0.098%
224	17.669	17.634	17.741	VV	344	11704	1.14%	0.035%
225	17.753	17.741	17.767	VV	142	1232	0.12%	0.004%
226	17.873	17.767	17.885	PV	250	10758	1.05%	0.032%
227	17.900	17.885	17.911	VV	153	2333	0.23%	0.007%
228	17.971	17.911	18.008	VV	2033	36408	3.54%	0.109%
229	18.032	18.008	18.082	VV	489	11026	1.07%	0.033%
230	18.113	18.082	18.126	VV	198	3577	0.35%	0.011%
231	18.139	18.126	18.144	PV	153	866	0.08%	0.003%
232	18.288	18.144	18.300	VV	102	9296	0.90%	0.028%
233	18.380	18.300	18.415	PV	2378	38941	3.79%	0.117%
234	18.426	18.415	18.438	VV	128	1496	0.15%	0.004%
235	18.466	18.438	18.476	VV	83	2034	0.20%	0.006%
236	18.545	18.476	18.554	PV	122	2633	0.26%	0.008%
237	18.639	18.554	18.657	PV	248	6536	0.64%	0.020%
238	18.777	18.657	18.815	VV	1960	36441	3.55%	0.109%
239	18.969	18.815	18.990	PV	263	9683	0.94%	0.029%
240	19.081	18.990	19.091	VV	285	12698	1.24%	0.038%
241	19.163	19.091	19.201	VV	2144	45153	4.39%	0.135%
242	19.571	19.561	19.582	VV	1213	15025	1.46%	0.045%
243	19.705	19.582	19.716	VV	1384	99749	9.70%	0.299%
244	19.966	19.928	19.981	VV	2873	84354	8.21%	0.253%

Sum of corrected areas: 33405262

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-14	SDG No.:	Q1308
Lab Sample ID:	Q1308-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
02/06/25 14:20	02/10/25 12:45	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	40.5		10	4.62	12.2	mg/kg	FC068247.D
Aliphatic C12-C16	Aliphatic C12-C16	74.3		10	2.92	8.10	mg/kg	FC068247.D
Aliphatic C16-C21	Aliphatic C16-C21	10.3		1	0.37	1.22	mg/kg	FC068238.D
Aliphatic C21-C28	Aliphatic C21-C28	0.97	U	1	0.97	1.62	mg/kg	FC068238.D
Aliphatic C28-C40	Aliphatic C28-C40	10.1		1	2.19	2.43	mg/kg	FC068238.D
Aromatic C10-C12	Aromatic C10-C12	3.26		1	0.37	0.81	mg/kg	FD049061.D
Aromatic C12-C16	Aromatic C12-C16	12.8		1	0.41	1.22	mg/kg	FD049061.D
Aromatic C16-C21	Aromatic C16-C21	11.0		1	1.17	2.03	mg/kg	FD049061.D
Aromatic C21-C36	Aromatic C21-C36	2.86	J	1	2.43	3.24	mg/kg	FD049061.D
Total AliphaticEPH	Total AliphaticEPH	135			11.1	25.6	mg/kg	
Total AromaticEPH	Total AromaticEPH	29.9			4.38	7.30	mg/kg	
Total EPH	Total EPH	165			15.4	32.9	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:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-14	SDG No.:	Q1308
Lab Sample ID:	Q1308-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FC068238.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		40.0	E	0.46	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		70.1	E	0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		10.3		0.37	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.97	U	0.97	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.1		2.19	2.43	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		52.4		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:	Q1308-13	Acq On:	07 Feb 2025 17:21
Client Sample ID:	EX-11-TPH-14	Operator:	YP/AJ
Data file:	FC068238.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	3.111	6.377	68292551	493.129	300	ug/ml
Aliphatic C12-C16	6.378	9.762	119052673	864.498	200	ug/ml
Aliphatic C16-C21	9.763	13.116	17116673	126.772	300	ug/ml
Aliphatic C21-C28	13.117	16.769	1416557	11.136	400	ug/ml
Aliphatic C28-C40	16.770	21.574	12947115	124.925	600	ug/ml
Aliphatic EPH	3.111	21.574	218825569	1620		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.848	12.848	6021985	52.36		ug/ml
Aliphatic C9-C28	3.111	16.769	205878454	1500	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068238.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 17:21
Operator : YP/AJ
Sample : Q1308-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-14

Integration File: autoint1.e
Quant Time: Feb 07 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.848	6021985	52.364 ug/ml
Spiked Amount 50.000		Recovery = 104.73%	
Target Compounds			

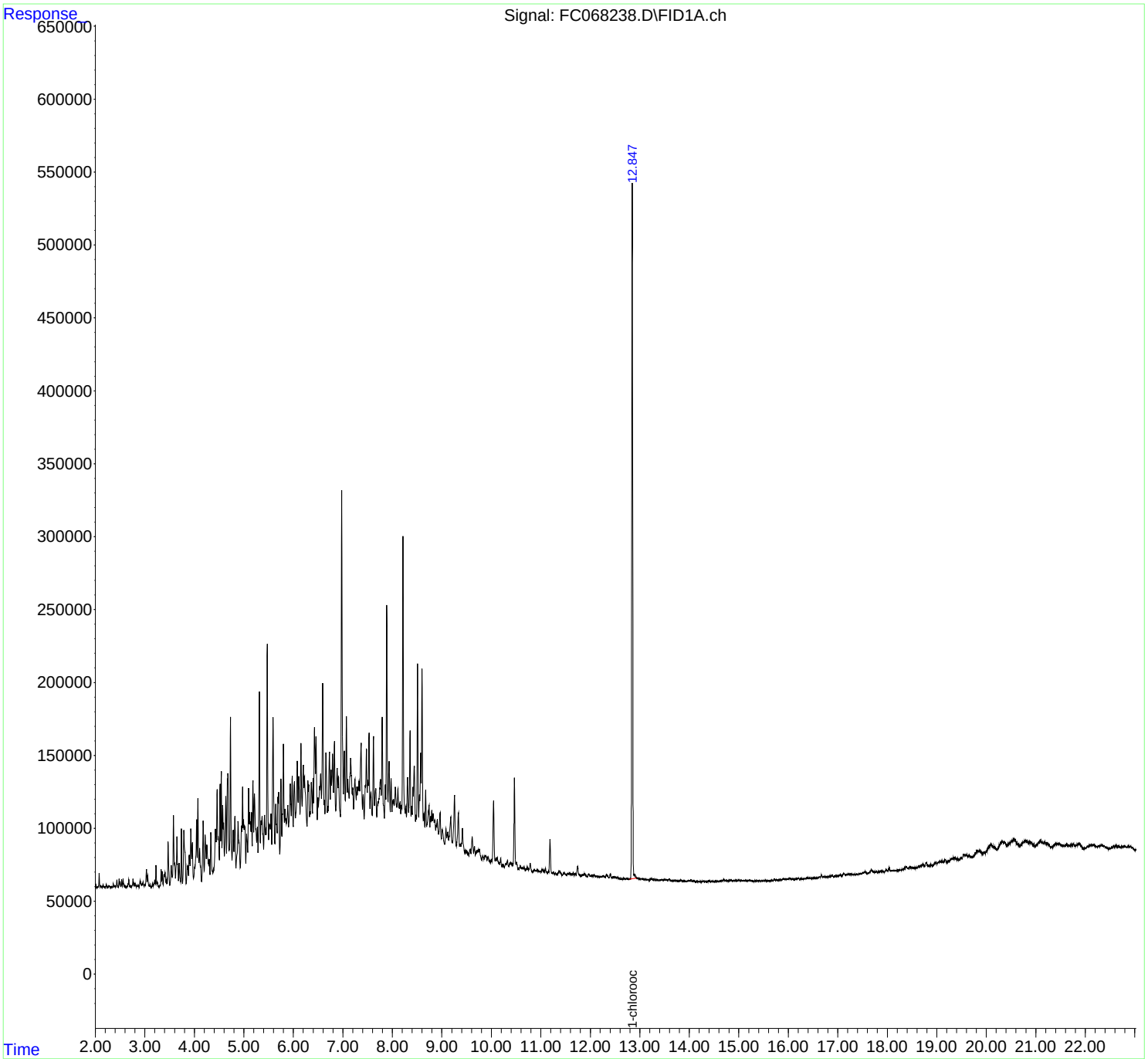
(f)=RT Delta > 1/2 Window (m)=manual int.

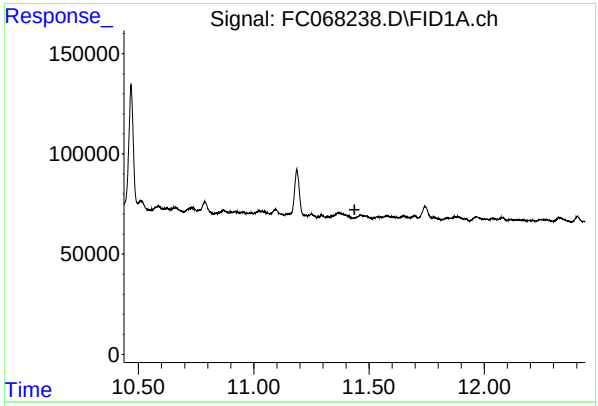
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068238.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 17:21
Operator : YP/AJ
Sample : Q1308-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-14

Integration File: autoint1.e
Quant Time: Feb 07 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

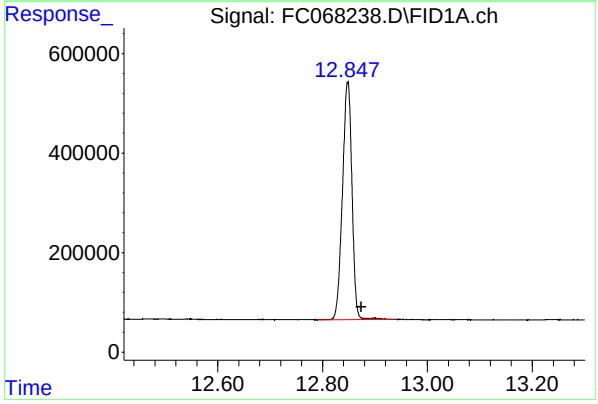




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-14



#12 1-chlorooctadecane (SURR)

R.T.: 12.848 min
Delta R.T.: -0.026 min
Response: 6021985
Conc: 52.36 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068238.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 17:21
Sample : Q1308-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.032	3.004	3.046	BV	10717	105221	1.72%	0.046%
2	3.056	3.046	3.090	VV	6681	72859	1.19%	0.032%
3	3.103	3.090	3.130	VV	1067	11051	0.18%	0.005%
4	3.152	3.130	3.165	PV	2433	22623	0.37%	0.010%
5	3.199	3.165	3.210	VV	4765	69784	1.14%	0.031%
6	3.225	3.210	3.284	VV	14800	184829	3.01%	0.081%
7	3.329	3.284	3.342	VV	11839	125368	2.04%	0.055%
8	3.353	3.342	3.370	VV	10521	103112	1.68%	0.045%
9	3.388	3.370	3.397	VV	8628	97017	1.58%	0.043%
10	3.409	3.397	3.434	VV	10226	142639	2.33%	0.063%
11	3.470	3.434	3.504	VV	30395	432977	7.06%	0.191%
12	3.533	3.504	3.552	VV	14634	226853	3.70%	0.100%
13	3.578	3.552	3.619	VV	49048	785894	12.81%	0.346%
14	3.648	3.619	3.679	VV	34445	596713	9.73%	0.263%
15	3.694	3.679	3.721	VV	16271	226703	3.70%	0.100%
16	3.739	3.721	3.759	VV	39638	374636	6.11%	0.165%
17	3.789	3.759	3.835	VV	38661	830717	13.54%	0.366%
18	3.870	3.835	3.880	VV	14592	275800	4.50%	0.121%
19	3.895	3.880	3.913	VV	21696	321630	5.24%	0.142%
20	3.929	3.913	3.947	VV	39850	529591	8.63%	0.233%
21	3.960	3.947	3.983	VV	30351	385022	6.28%	0.170%
22	4.045	3.983	4.057	VV	45712	865221	14.10%	0.381%
23	4.072	4.057	4.092	VV	60262	745412	12.15%	0.328%
24	4.107	4.092	4.144	VV	26469	474606	7.74%	0.209%
25	4.178	4.144	4.199	VV	44699	674566	11.00%	0.297%
26	4.219	4.199	4.241	VV	35491	605141	9.86%	0.267%
27	4.254	4.241	4.291	VV	28613	628892	10.25%	0.277%
28	4.300	4.291	4.315	VV	18877	215777	3.52%	0.095%
29	4.334	4.315	4.371	VV	36981	629176	10.26%	0.277%
30	4.425	4.371	4.443	VV	39329	933594	15.22%	0.411%
31	4.460	4.443	4.504	VV	66473	1435855	23.41%	0.632%
32	4.519	4.504	4.531	VV	69117	729113	11.89%	0.321%
33	4.544	4.531	4.559	VV	78473	852914	13.90%	0.376%
34	4.573	4.559	4.586	VV	55396	706726	11.52%	0.311%
35	4.590	4.586	4.607	VV	43762	437395	7.13%	0.193%
36	4.636	4.607	4.651	VV	60938	1028293	16.76%	0.453%

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37	4.677	4.651	4.701	VV	77424	1561043	25.45%	0.688%
38	4.730	4.701	4.761	VV	115254	1744861	28.44%	0.768%
39	4.784	4.761	4.799	VV	38692	665053	10.84%	0.293%
40	4.819	4.799	4.841	VV	47709	791244	12.90%	0.348%
41	4.884	4.841	4.928	VV	44599	1338791	21.82%	0.590%
42	4.974	4.928	5.006	VV	68227	1867178	30.44%	0.822%
43	5.020	5.006	5.040	VV	40390	697022	11.36%	0.307%
44	5.057	5.040	5.077	VV	35454	647009	10.55%	0.285%
45	5.097	5.077	5.144	VV	66731	1825322	29.75%	0.804%
46	5.155	5.144	5.168	VV	50512	604389	9.85%	0.266%
47	5.184	5.168	5.199	VV	72187	975012	15.89%	0.429%
48	5.215	5.199	5.259	VV	63137	1658221	27.03%	0.730%
49	5.273	5.259	5.287	VV	40605	546310	8.91%	0.241%
50	5.315	5.287	5.334	VV	133742	1879982	30.64%	0.828%
51	5.367	5.334	5.400	VV	47814	1527617	24.90%	0.673%
52	5.418	5.400	5.451	VV	48624	1178028	19.20%	0.519%
53	5.473	5.451	5.500	VV	165595	2391088	38.98%	1.053%
54	5.515	5.500	5.534	VV	42221	799870	13.04%	0.352%
55	5.548	5.534	5.564	VV	49359	750532	12.23%	0.331%
56	5.590	5.564	5.626	VV	115638	2340726	38.16%	1.031%
57	5.645	5.626	5.672	VV	56160	1190948	19.41%	0.525%
58	5.704	5.672	5.727	VV	63994	1575629	25.68%	0.694%
59	5.751	5.727	5.768	VV	73152	1146559	18.69%	0.505%
60	5.800	5.768	5.819	VV	97141	1839969	29.99%	0.810%
61	5.830	5.819	5.860	VV	52408	1144824	18.66%	0.504%
62	5.887	5.860	5.904	VV	55255	1272326	20.74%	0.560%
63	5.937	5.904	5.959	VV	70048	1777086	28.97%	0.783%
64	5.977	5.959	5.997	VV	75161	1331792	21.71%	0.587%
65	6.021	5.997	6.043	VV	71286	1590619	25.93%	0.701%
66	6.080	6.043	6.096	VV	85344	2000700	32.61%	0.881%
67	6.109	6.096	6.136	VV	74512	1521173	24.80%	0.670%
68	6.155	6.136	6.178	VV	97360	1796108	29.28%	0.791%
69	6.202	6.178	6.215	VV	82666	1583311	25.81%	0.697%
70	6.225	6.215	6.276	VV	74637	2194505	35.77%	0.967%
71	6.296	6.276	6.328	VV	71721	1848296	30.13%	0.814%
72	6.363	6.328	6.386	VV	69683	1994819	32.52%	0.879%
73	6.400	6.386	6.410	VV	73226	894438	14.58%	0.394%
74	6.428	6.410	6.447	VV	106943	1980801	32.29%	0.872%
75	6.459	6.447	6.484	VV	101735	1678569	27.36%	0.739%
76	6.497	6.484	6.507	VV	59491	749752	12.22%	0.330%
77	6.552	6.507	6.568	VV	76560	2406224	39.22%	1.060%
78	6.594	6.568	6.640	VV	138051	3456376	56.34%	1.522%
79	6.659	6.640	6.702	VV	89962	2439498	39.77%	1.074%
80	6.730	6.702	6.747	VV	91277	1955044	31.87%	0.861%
81	6.762	6.747	6.773	VV	79296	1121249	18.28%	0.494%
82	6.793	6.773	6.811	VV	89705	1727674	28.16%	0.761%
83	6.830	6.811	6.858	VV	98665	2072523	33.78%	0.913%
84	6.886	6.858	6.901	VV	80400	1760299	28.69%	0.775%
85	6.913	6.901	6.950	VV	74226	1792223	29.21%	0.789%
86	6.977	6.950	7.012	VV	269589	4655633	75.89%	2.050%
87	7.030	7.012	7.049	VV	91935	1719615	28.03%	0.757%
88	7.073	7.049	7.091	VV	115441	2081736	33.93%	0.917%
89	7.101	7.091	7.127	VV	72215	1417880	23.11%	0.624%

90	7.159	7.127	7.189	VV	86781	2766084	45.09%	1.218%
91	7.199	7.189	7.218	VV	66367	1087920	17.73%	0.479%
92	7.245	7.218	7.271	VV	72693	2007784	32.73%	0.884%
93	7.284	7.271	7.294	VV	67173	896562	14.61%	0.395%
94	7.305	7.294	7.313	VV	67262	740445	12.07%	0.326%
95	7.328	7.313	7.344	VV	71262	1285552	20.96%	0.566%
96	7.368	7.344	7.398	VV	96268	2440373	39.78%	1.075%
97	7.412	7.398	7.432	VV	61851	1124814	18.34%	0.495%
98	7.477	7.432	7.494	VV	93276	2581471	42.08%	1.137%
99	7.530	7.494	7.548	VV	103155	2451418	39.96%	1.080%
100	7.566	7.548	7.593	VV	63132	1516566	24.72%	0.668%
101	7.619	7.593	7.640	VV	101632	2010454	32.77%	0.885%
102	7.664	7.640	7.686	VV	65846	1605257	26.17%	0.707%
103	7.762	7.686	7.777	VV	71979	3337543	54.40%	1.470%
104	7.796	7.777	7.839	VV	114442	2673183	43.57%	1.177%
105	7.858	7.839	7.867	VV	68759	1001241	16.32%	0.441%
106	7.888	7.867	7.912	VV	190487	2942490	47.96%	1.296%
107	7.936	7.912	7.958	VV	83731	1875511	30.57%	0.826%
108	7.976	7.958	7.995	VV	72981	1366306	22.27%	0.602%
109	8.024	7.995	8.038	VV	58650	1425756	23.24%	0.628%
110	8.062	8.038	8.098	VV	66911	2109976	34.39%	0.929%
111	8.114	8.098	8.147	VV	65920	1697610	27.67%	0.748%
112	8.157	8.147	8.171	VV	56777	788709	12.86%	0.347%
113	8.216	8.171	8.258	VV	236948	4722553	76.98%	2.080%
114	8.272	8.258	8.286	VV	53457	845932	13.79%	0.373%
115	8.308	8.286	8.329	VV	73464	1542419	25.14%	0.679%
116	8.359	8.329	8.379	VV	105398	2097136	34.18%	0.924%
117	8.391	8.379	8.402	VV	53849	684524	11.16%	0.301%
118	8.418	8.402	8.426	VV	66772	875475	14.27%	0.386%
119	8.443	8.426	8.469	VV	81572	1679833	27.38%	0.740%
120	8.511	8.469	8.534	VV	150820	2892727	47.15%	1.274%
121	8.549	8.534	8.556	VV	61604	757061	12.34%	0.333%
122	8.574	8.556	8.584	VV	89402	1262476	20.58%	0.556%
123	8.601	8.584	8.626	VV	147775	2294575	37.40%	1.011%
124	8.638	8.626	8.656	VV	48638	829534	13.52%	0.365%
125	8.674	8.656	8.695	VV	64712	1151308	18.77%	0.507%
126	8.742	8.695	8.760	VV	54177	1790001	29.18%	0.788%
127	8.773	8.760	8.783	VV	46387	619110	10.09%	0.273%
128	8.797	8.783	8.810	VV	50816	743553	12.12%	0.327%
129	8.825	8.810	8.876	VV	48272	1759529	28.68%	0.775%
130	8.910	8.876	8.938	VV	44652	1453074	23.69%	0.640%
131	8.965	8.938	8.991	VV	49066	1276796	20.81%	0.562%
132	9.008	8.991	9.057	VV	37248	1297572	21.15%	0.571%
133	9.085	9.057	9.100	VV	38231	852413	13.89%	0.375%
134	9.117	9.100	9.134	VV	35365	694705	11.32%	0.306%
135	9.181	9.134	9.217	VV	46219	1764476	28.76%	0.777%
136	9.257	9.217	9.293	VV	60778	1793697	29.24%	0.790%
137	9.335	9.293	9.361	VV	48819	1426042	23.25%	0.628%
138	9.372	9.361	9.384	VV	27340	374182	6.10%	0.165%
139	9.417	9.384	9.459	VV	38283	1293679	21.09%	0.570%
140	9.467	9.459	9.478	VV	22958	246342	4.02%	0.108%
141	9.500	9.478	9.546	VV	22901	888275	14.48%	0.391%

142	9.568	9.546	9.588	VV	23603	552897	9.01%	0.244%
143	9.615	9.588	9.643	VV	32269	866647	14.13%	0.382%
144	9.660	9.643	9.684	VV	25627	567894	9.26%	0.250%
145	9.714	9.684	9.726	VV	22974	555139	9.05%	0.244%
146	9.737	9.726	9.751	VV	23109	332597	5.42%	0.146%
147	9.762	9.751	9.802	VV	23682	625941	10.20%	0.276%
148	9.829	9.802	9.850	VV	19049	517232	8.43%	0.228%
149	9.887	9.850	9.913	VV	19681	693786	11.31%	0.306%
150	9.933	9.913	9.989	VV	18719	743319	12.12%	0.327%
151	10.046	9.989	10.078	VV	56961	1420197	23.15%	0.625%
152	10.121	10.078	10.164	VV	17887	826977	13.48%	0.364%
153	10.190	10.164	10.214	VV	17581	431051	7.03%	0.190%
154	10.229	10.214	10.266	VV	13328	390235	6.36%	0.172%
155	10.290	10.266	10.303	VV	13727	284236	4.63%	0.125%
156	10.326	10.303	10.354	VV	15985	427484	6.97%	0.188%
157	10.372	10.354	10.382	VV	14321	219349	3.58%	0.097%
158	10.394	10.382	10.429	VV	14487	382735	6.24%	0.169%
159	10.468	10.429	10.498	VV	72286	1289996	21.03%	0.568%
160	10.510	10.498	10.554	VV	14709	411312	6.70%	0.181%
161	10.585	10.554	10.605	VV	11821	333550	5.44%	0.147%
162	10.623	10.605	10.637	VV	10802	199845	3.26%	0.088%
163	10.658	10.637	10.696	VV	11041	363213	5.92%	0.160%
164	10.732	10.696	10.754	VV	11016	354605	5.78%	0.156%
165	10.788	10.754	10.827	VV	13837	454474	7.41%	0.200%
166	10.870	10.827	10.894	VV	9802	356514	5.81%	0.157%
167	10.921	10.894	10.939	VV	9053	236335	3.85%	0.104%
168	10.953	10.939	10.981	VV	8776	208826	3.40%	0.092%
169	10.989	10.981	10.999	VV	8278	87831	1.43%	0.039%
170	11.025	10.999	11.068	VV	9189	363212	5.92%	0.160%
171	11.094	11.068	11.133	VV	10180	328843	5.36%	0.145%
172	11.187	11.133	11.233	VV	29787	744647	12.14%	0.328%
173	11.251	11.233	11.274	VV	7621	173596	2.83%	0.076%
174	11.293	11.274	11.314	VV	7145	152806	2.49%	0.067%
175	11.367	11.314	11.434	VV	8369	495117	8.07%	0.218%
176	11.463	11.434	11.514	VV	6912	304046	4.96%	0.134%
177	11.541	11.514	11.561	VV	6492	170171	2.77%	0.075%
178	11.579	11.561	11.629	VV	6755	251154	4.09%	0.111%
179	11.650	11.629	11.681	VV	6574	191375	3.12%	0.084%
180	11.697	11.681	11.712	VV	6778	116545	1.90%	0.051%
181	11.743	11.712	11.815	VV	11401	428050	6.98%	0.189%
182	11.838	11.815	11.854	VV	5556	124092	2.02%	0.055%
183	11.881	11.854	11.936	VV	6206	266730	4.35%	0.117%
184	11.966	11.936	11.994	VV	6162	180932	2.95%	0.080%
185	12.006	11.994	12.019	VV	5013	71731	1.17%	0.032%
186	12.036	12.019	12.054	VV	5276	106090	1.73%	0.047%
187	12.078	12.054	12.099	VV	5630	134319	2.19%	0.059%
188	12.112	12.099	12.154	VV	4770	148819	2.43%	0.066%
189	12.167	12.154	12.184	VV	4431	77270	1.26%	0.034%
190	12.198	12.184	12.224	VV	4263	97676	1.59%	0.043%
191	12.250	12.224	12.297	VV	4582	190685	3.11%	0.084%
192	12.325	12.297	12.377	VV	5584	212658	3.47%	0.094%
193	12.403	12.377	12.451	VV	6270	187102	3.05%	0.082%
194	12.469	12.451	12.482	VV	4076	70984	1.16%	0.031%

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195	12.495	12.482	12.534	VV	3873	113290	1.85%	0.050%
196	12.544	12.534	12.574	VV	3827	79662	1.30%	0.035%
197	12.597	12.574	12.616	VV	2959	70595	1.15%	0.031%
198	12.683	12.616	12.711	VV	3009	150595	2.45%	0.066%
199	12.726	12.711	12.755	VV	2841	68459	1.12%	0.030%
200	12.774	12.755	12.789	VV	2640	49462	0.81%	0.022%
201	12.848	12.789	12.888	VV	480128	6134733	100.00%	2.702%
202	12.898	12.888	12.998	VV	5488	221629	3.61%	0.098%
203	13.037	12.998	13.049	VV	2627	74064	1.21%	0.033%
204	13.066	13.049	13.098	VV	2670	67165	1.09%	0.030%
205	13.121	13.098	13.148	VV	2122	60180	0.98%	0.027%
206	13.154	13.148	13.191	VV	2051	48831	0.80%	0.022%
207	13.238	13.191	13.266	VV	2596	91259	1.49%	0.040%
208	13.285	13.266	13.348	VV	2045	86782	1.41%	0.038%
209	13.359	13.348	13.382	VV	1587	30771	0.50%	0.014%
210	13.449	13.382	13.483	VV	1811	90200	1.47%	0.040%
211	13.509	13.483	13.533	VV	1905	49074	0.80%	0.022%
212	13.544	13.533	13.562	VV	1766	26361	0.43%	0.012%
213	13.597	13.562	13.668	VV	2340	86753	1.41%	0.038%
214	13.676	13.668	13.708	VV	1100	22095	0.36%	0.010%
215	13.741	13.708	13.776	VV	1132	35828	0.58%	0.016%
216	13.799	13.776	13.806	VV	882	14260	0.23%	0.006%
217	13.832	13.806	13.871	VV	1445	39175	0.64%	0.017%
218	13.894	13.871	13.934	VV	817	23453	0.38%	0.010%
219	13.990	13.934	14.011	VV	897	30286	0.49%	0.013%
220	14.034	14.011	14.068	VV	1496	29290	0.48%	0.013%
221	14.090	14.068	14.131	VV	1159	19793	0.32%	0.009%
222	14.159	14.131	14.184	VV	477	8381	0.14%	0.004%
223	14.205	14.184	14.221	PV	354	4890	0.08%	0.002%
224	14.229	14.221	14.241	VV	266	2752	0.04%	0.001%
225	14.282	14.241	14.354	VV	539	17211	0.28%	0.008%
226	14.398	14.354	14.421	VV	767	14901	0.24%	0.007%
227	14.431	14.421	14.439	VV	292	2729	0.04%	0.001%
228	14.479	14.439	14.514	VV	325	11518	0.19%	0.005%
229	14.560	14.514	14.570	VV	314	8595	0.14%	0.004%
230	14.599	14.570	14.618	VV	412	10098	0.16%	0.004%
231	14.625	14.618	14.638	VV	485	4386	0.07%	0.002%
232	14.655	14.638	14.671	VV	874	12641	0.21%	0.006%
233	14.700	14.671	14.738	VV	1726	36309	0.59%	0.016%
234	14.767	14.738	14.791	VV	642	17501	0.29%	0.008%
235	14.839	14.791	14.885	VV	922	36729	0.60%	0.016%
236	14.895	14.885	14.911	VV	656	9028	0.15%	0.004%
237	14.952	14.911	14.978	VV	845	25793	0.42%	0.011%
238	15.006	14.978	15.058	VV	906	30517	0.50%	0.013%
239	15.067	15.058	15.076	VV	480	4512	0.07%	0.002%
240	15.143	15.076	15.177	VV	679	29050	0.47%	0.013%
241	15.189	15.177	15.194	VV	394	3586	0.06%	0.002%
242	15.217	15.194	15.232	VV	782	13695	0.22%	0.006%
243	15.241	15.232	15.288	VV	656	14512	0.24%	0.006%
244	15.328	15.288	15.357	VV	382	7205	0.12%	0.003%
245	15.367	15.357	15.380	VV	150	1671	0.03%	0.001%
246	15.420	15.380	15.448	VV	431	6449	0.11%	0.003%

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247	15.461	15.448	15.486	VV	198	2624	0.04%	0.001%
248	15.530	15.486	15.555	VV	637	11536	0.19%	0.005%
249	15.565	15.555	15.580	VV	167	1783	0.03%	0.001%
250	15.599	15.580	15.614	PV	140	1692	0.03%	0.001%
251	15.632	15.614	15.648	VV	208	2036	0.03%	0.001%
252	15.680	15.648	15.694	PV	615	7987	0.13%	0.004%
253	15.718	15.694	15.761	VV	1297	26771	0.44%	0.012%
254	15.770	15.761	15.788	VV	523	6274	0.10%	0.003%
255	15.801	15.788	15.818	VV	371	5720	0.09%	0.003%
256	15.837	15.818	15.850	VV	443	6325	0.10%	0.003%
257	15.900	15.850	15.924	VV	950	27152	0.44%	0.012%
258	15.972	15.924	15.981	VV	579	18776	0.31%	0.008%
259	16.032	15.981	16.118	VV	1013	45017	0.73%	0.020%
260	16.198	16.118	16.228	VV	792	25628	0.42%	0.011%
261	16.247	16.228	16.268	VV	292	4301	0.07%	0.002%
262	16.302	16.268	16.323	VV	216	4568	0.07%	0.002%
263	16.391	16.323	16.415	VV	378	14739	0.24%	0.006%
264	16.426	16.415	16.448	VV	386	5844	0.10%	0.003%
265	16.464	16.448	16.489	VV	349	5247	0.09%	0.002%
266	16.522	16.489	16.558	PV	338	7697	0.13%	0.003%
267	16.630	16.558	16.644	VV	752	12119	0.20%	0.005%
268	16.670	16.644	16.695	VV	2094	33454	0.55%	0.015%
269	16.714	16.695	16.727	VV	659	9733	0.16%	0.004%
270	16.744	16.727	16.773	VV	602	10484	0.17%	0.005%
271	16.822	16.773	16.848	VV	470	14721	0.24%	0.006%
272	16.883	16.848	16.926	VV	1128	26693	0.44%	0.012%
273	16.961	16.926	16.980	PV	535	8848	0.14%	0.004%
274	17.047	16.980	17.082	VV	996	30829	0.50%	0.014%
275	17.115	17.082	17.156	VV	1635	40618	0.66%	0.018%
276	17.169	17.156	17.184	VV	819	10517	0.17%	0.005%
277	17.214	17.184	17.241	VV	921	26068	0.42%	0.011%
278	17.274	17.241	17.313	VV	852	25628	0.42%	0.011%
279	17.332	17.313	17.357	VV	427	6717	0.11%	0.003%
280	17.379	17.357	17.405	PV	521	7356	0.12%	0.003%
281	17.438	17.405	17.447	VV	476	9236	0.15%	0.004%
282	17.479	17.447	17.497	VV	773	19049	0.31%	0.008%
283	17.550	17.497	17.598	VV	1894	61041	1.00%	0.027%
284	17.619	17.598	17.626	VV	630	8125	0.13%	0.004%
285	17.671	17.626	17.759	VV	2552	104194	1.70%	0.046%
286	17.779	17.759	17.801	VV	1199	18489	0.30%	0.008%
287	17.875	17.801	17.897	VV	1003	38791	0.63%	0.017%
288	17.910	17.897	17.938	VV	1043	17241	0.28%	0.008%
289	17.975	17.938	18.002	VV	2099	40417	0.66%	0.018%
290	18.038	18.002	18.074	VV	3111	62405	1.02%	0.027%
291	18.084	18.074	18.092	VV	905	7618	0.12%	0.003%
292	18.097	18.092	18.108	VV	822	6308	0.10%	0.003%
293	18.122	18.108	18.145	VV	873	14424	0.24%	0.006%
294	18.159	18.145	18.171	VV	641	7634	0.12%	0.003%
295	18.192	18.171	18.201	VV	566	6878	0.11%	0.003%
296	18.209	18.201	18.221	VV	594	3909	0.06%	0.002%
297	18.291	18.221	18.301	PV	745	21627	0.35%	0.010%
298	18.315	18.301	18.327	VV	839	9545	0.16%	0.004%
299	18.345	18.327	18.355	VV	1510	19401	0.32%	0.009%

300	18.381	18.355	18.421	VV	2586	69953	1.14%	0.031%
301	18.431	18.421	18.440	VV	1209	11894	0.19%	0.005%
302	18.459	18.440	18.481	VV	2261	37979	0.62%	0.017%
303	18.510	18.481	18.522	VV	1552	30495	0.50%	0.013%
304	18.539	18.522	18.571	VV	1416	27467	0.45%	0.012%
305	18.586	18.571	18.598	VV	1054	14705	0.24%	0.006%
306	18.629	18.598	18.637	VV	1534	30500	0.50%	0.013%
307	18.651	18.637	18.664	VV	1991	27354	0.45%	0.012%
308	18.720	18.664	18.757	VV	2929	118242	1.93%	0.052%
309	18.781	18.757	18.832	VV	3594	108591	1.77%	0.048%
310	18.842	18.832	18.849	VV	1478	14067	0.23%	0.006%
311	18.869	18.849	18.878	VV	1921	26976	0.44%	0.012%
312	18.886	18.878	18.909	VV	1543	26061	0.42%	0.011%
313	18.919	18.909	18.927	VV	1161	11848	0.19%	0.005%
314	18.979	18.927	18.999	VV	3266	101483	1.65%	0.045%
315	19.055	18.999	19.074	VV	3676	139961	2.28%	0.062%
316	19.164	19.074	19.224	VV	4412	289860	4.72%	0.128%
317	19.308	19.224	19.328	VV	4868	240136	3.91%	0.106%
318	19.345	19.328	19.405	VV	5153	213832	3.49%	0.094%
319	19.414	19.405	19.456	VV	4170	107990	1.76%	0.048%
320	19.501	19.456	19.513	VV	4537	136201	2.22%	0.060%
321	19.542	19.513	19.571	VV	6454	202159	3.30%	0.089%
322	19.578	19.571	19.587	VV	6124	59043	0.96%	0.026%
323	19.598	19.587	19.624	VV	6167	125694	2.05%	0.055%
324	19.647	19.624	19.702	VV	5465	227207	3.70%	0.100%
325	19.711	19.702	19.735	VV	4426	83665	1.36%	0.037%
326	19.776	19.735	19.784	VV	7066	162776	2.65%	0.072%
327	19.822	19.784	19.851	VV	8493	307670	5.02%	0.136%
328	19.870	19.851	19.930	VV	8200	332123	5.41%	0.146%
329	19.962	19.930	19.978	VV	6761	180328	2.94%	0.079%
330	20.088	19.978	20.098	VV	11804	639640	10.43%	0.282%
331	20.105	20.098	20.128	VV	11497	188344	3.07%	0.083%
332	20.134	20.128	20.168	VV	10593	232914	3.80%	0.103%
333	20.174	20.168	20.213	VV	9681	230676	3.76%	0.102%
334	20.305	20.213	20.314	VV	12597	619606	10.10%	0.273%
335	20.327	20.314	20.344	VV	12468	222462	3.63%	0.098%
336	20.358	20.344	20.414	VV	12826	470784	7.67%	0.207%
337	20.522	20.414	20.532	VV	12810	789077	12.86%	0.348%
338	20.553	20.532	20.674	VV	13713	956485	15.59%	0.421%
339	20.787	20.674	20.841	VV	12182	1037143	16.91%	0.457%
340	20.853	20.841	20.861	VV	10225	120691	1.97%	0.053%
341	20.884	20.861	20.949	VV	10108	493226	8.04%	0.217%
342	20.959	20.949	20.998	VV	8228	221335	3.61%	0.097%
343	21.100	20.998	21.160	VV	10608	880799	14.36%	0.388%
344	21.179	21.160	21.214	VV	9428	282956	4.61%	0.125%
345	21.220	21.214	21.309	VV	8507	399750	6.52%	0.176%
346	21.332	21.309	21.345	VV	5825	118902	1.94%	0.052%
347	21.402	21.345	21.413	VV	7312	264231	4.31%	0.116%
348	21.431	21.413	21.458	VV	7368	187796	3.06%	0.083%
349	21.472	21.458	21.538	VV	7322	310069	5.05%	0.137%
350	21.543	21.538	21.581	VV	5742	139642	2.28%	0.062%
351	21.589	21.581	21.594	VV	5672	41718	0.68%	0.018%

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352	21.623	21.594	21.661	VV	6033	223485	3.64%	0.098%
353	21.668	21.661	21.694	VV	5467	102305	1.67%	0.045%
354	21.707	21.694	21.720	VV	5392	80333	1.31%	0.035%
355	21.763	21.720	21.801	VV	5824	247904	4.04%	0.109%
356	21.883	21.801	21.969	VV	5825	432893	7.06%	0.191%
357	21.988	21.969	22.004	VV	2448	46282	0.75%	0.020%
358	22.124	22.004	22.150	VV	4385	294518	4.80%	0.130%
359	22.163	22.150	22.245	VV	4072	176246	2.87%	0.078%
360	22.271	22.245	22.288	VV	2792	61678	1.01%	0.027%
361	22.316	22.288	22.379	VV	3252	139635	2.28%	0.061%
362	22.387	22.379	22.481	VV	2035	59871	0.98%	0.026%

Sum of corrected areas: 227056303

Aliphatic EPH 012425.M Fri Feb 07 23:09:52 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-14	SDG No.:	Q1308
Lab Sample ID:	Q1308-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FD049061.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.26		0.37	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	12.8		0.41	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	11.0		1.17	2.03	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.86	J	2.43	3.24	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.9		40 - 140	98%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.8		40 - 140	100%	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:	Q1308-13	Acq On:	07 Feb 2025 16:45
Client Sample ID:	EX-11-TPH-14	Operator:	YP/AJ
Data file:	FD049061.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	6247007	40.243	200	ug/ml
Aromatic C12-C16	5.795	8.398	25716243	158.535	300	ug/ml
Aromatic C16-C21	8.399	12.662	20944377	135.432	500	ug/ml
Aromatic C21-C36	12.663	18.072	5024078	35.256	800	ug/ml
Aromatic EPH	4.076	18.072	57931705	369.467		ug/ml
ortho-Terphenyl (SURR)	11.239	11.239	8182768	49.76		ug/ml
2-Bromonaphthalene (SURR)	7.353	7.353	6955762	48.87		ug/ml
2-Flurobiphenyl (SURR)	8.202	8.202	3715804	43.67		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049061.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:45
Operator : YP/AJ
Sample : Q1308-13
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-14

Integration File: autoint1.e
Quant Time: Feb 08 00:00:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.353	6955762	48.873 ug/ml
Spiked Amount 50.000		Recovery = 97.75%	
6) S 2-Flurobiphenyl (SURR)	8.202	3715804	43.670 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 87.34%	
11) S ortho-Terphenyl (SURR)	11.239	8182768	49.758 ug/ml
Spiked Amount 50.000		Recovery = 99.52%	
Target Compounds			

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

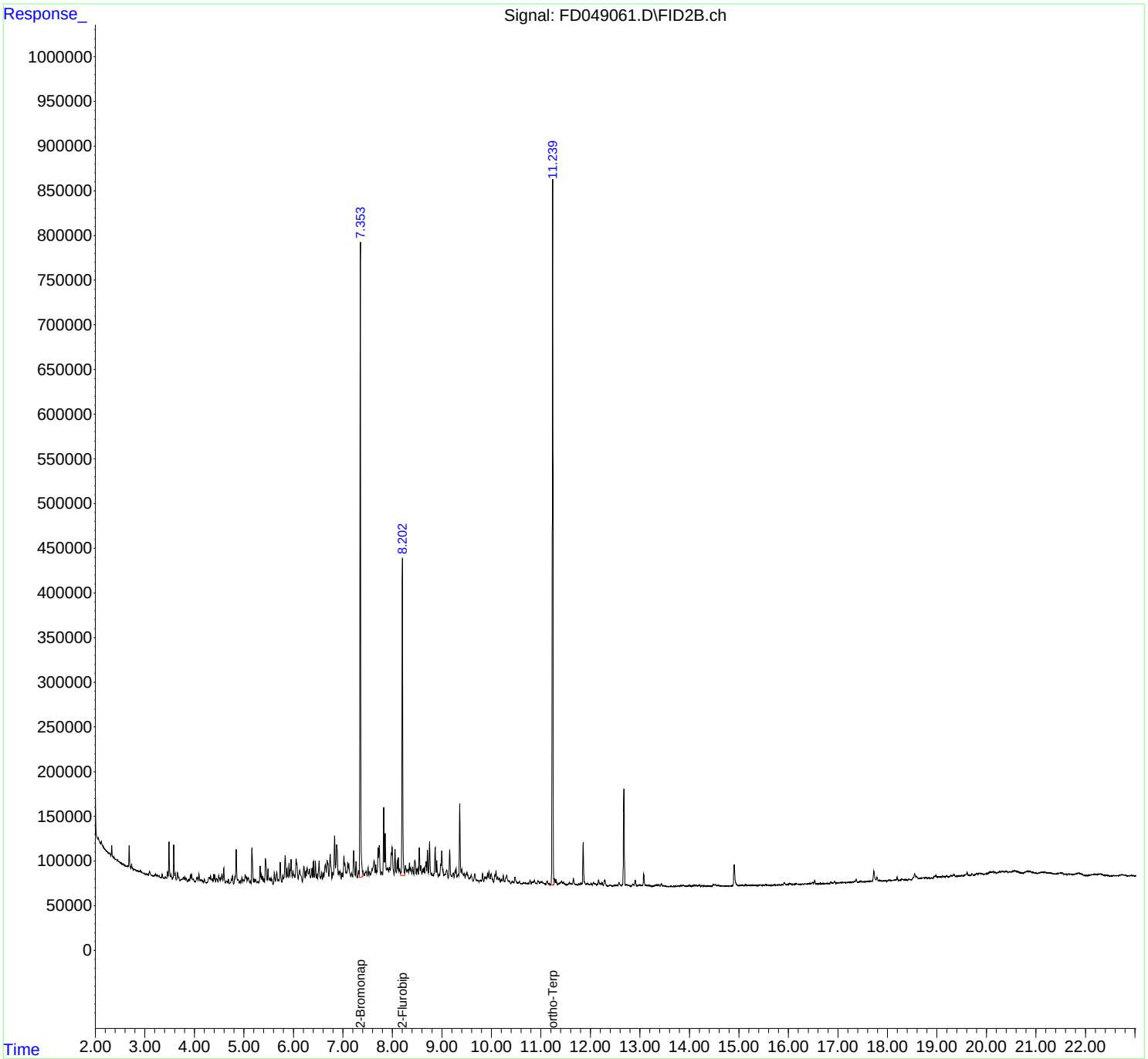
Quantitation Report (QT Reviewed)

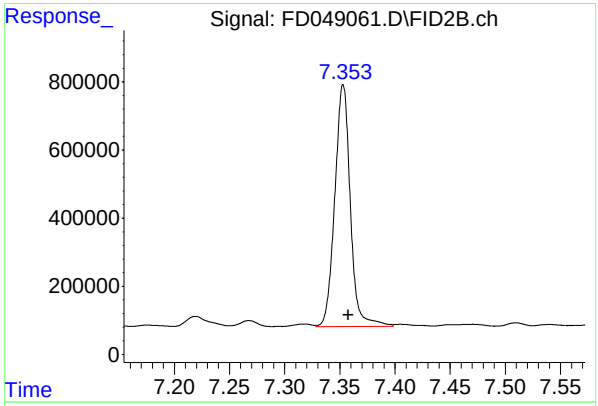
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049061.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:45
Operator : YP/AJ
Sample : Q1308-13
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-14

Integration File: autoint1.e
Quant Time: Feb 08 00:00:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

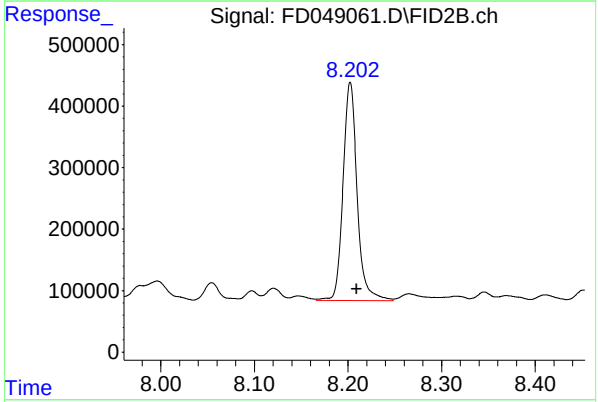




#4 2-Bromonaphthalene (SURR)

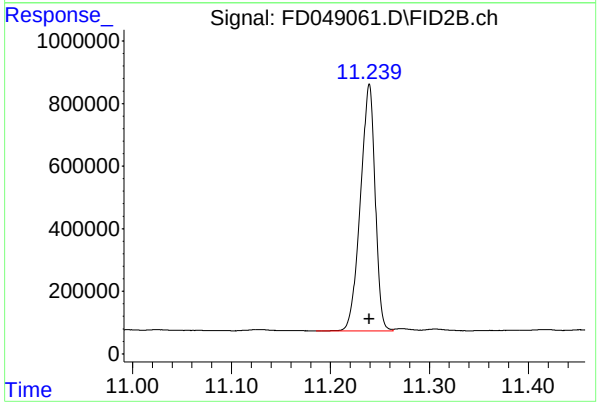
R.T.: 7.353 min
Delta R.T.: -0.005 min
Response: 6955762
Conc: 48.87 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-14



#6 2-Flurobiphenyl (SURR)

R.T.: 8.202 min
Delta R.T.: -0.007 min
Response: 3715804
Conc: 43.67 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 8182768
Conc: 49.76 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049061.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:45
Sample : Q1308-13
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.050	4.042	4.059	PV	1999	11370	0.14%	0.015%
2	4.067	4.059	4.079	PV	1857	10110	0.12%	0.013%
3	4.093	4.079	4.115	PV	7669	75890	0.92%	0.097%
4	4.128	4.115	4.135	VV	1652	15803	0.19%	0.020%
5	4.143	4.135	4.164	VV	2278	26897	0.33%	0.035%
6	4.171	4.164	4.187	VV	1324	10348	0.13%	0.013%
7	4.204	4.187	4.245	PV	3919	47039	0.57%	0.060%
8	4.259	4.245	4.266	PV	1082	8612	0.10%	0.011%
9	4.298	4.266	4.316	VV	6583	138881	1.68%	0.178%
10	4.328	4.316	4.354	VV	8215	126241	1.53%	0.162%
11	4.365	4.354	4.379	VV	4856	56578	0.69%	0.073%
12	4.393	4.379	4.404	VV	10359	99232	1.20%	0.127%
13	4.414	4.404	4.429	VV	9017	84862	1.03%	0.109%
14	4.446	4.429	4.475	VV	5741	111725	1.36%	0.143%
15	4.492	4.475	4.520	VV	9283	156233	1.90%	0.201%
16	4.532	4.520	4.541	VV	6462	66680	0.81%	0.086%
17	4.557	4.541	4.576	VV	10511	153916	1.87%	0.198%
18	4.594	4.576	4.627	VV	17488	226948	2.75%	0.291%
19	4.657	4.627	4.673	VV	3312	62770	0.76%	0.081%
20	4.688	4.673	4.709	VV	5163	58266	0.71%	0.075%
21	4.747	4.709	4.757	VV	5194	70680	0.86%	0.091%
22	4.770	4.757	4.793	VV	9103	106702	1.29%	0.137%
23	4.819	4.793	4.826	PV	8912	89741	1.09%	0.115%
24	4.845	4.826	4.868	VV	38815	454324	5.51%	0.583%
25	4.880	4.868	4.908	VV	5520	102539	1.24%	0.132%
26	4.928	4.908	4.943	VV	3974	56339	0.68%	0.072%
27	4.962	4.943	4.975	VV	7553	94200	1.14%	0.121%
28	4.985	4.975	4.993	VV	4933	45403	0.55%	0.058%
29	5.001	4.993	5.011	VV	4775	46510	0.56%	0.060%
30	5.027	5.011	5.044	VV	10601	155893	1.89%	0.200%
31	5.052	5.044	5.065	VV	8312	85902	1.04%	0.110%
32	5.092	5.065	5.122	VV	7198	160991	1.95%	0.207%
33	5.133	5.122	5.144	VV	3405	31620	0.38%	0.041%
34	5.163	5.144	5.194	VV	40951	570291	6.92%	0.732%
35	5.205	5.194	5.221	VV	5765	65020	0.79%	0.083%
36	5.237	5.221	5.263	VV	5588	94751	1.15%	0.122%

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37	5.282	5.263	5.297	VV	3409	51133	0.62%	0.066%
38	5.329	5.297	5.343	VV	20499	243830	2.96%	0.313%
39	5.354	5.343	5.366	VV	11476	121633	1.48%	0.156%
40	5.376	5.366	5.392	VV	9088	101043	1.23%	0.130%
41	5.406	5.392	5.419	VV	6190	74454	0.90%	0.096%
42	5.436	5.419	5.472	VV	28816	493793	5.99%	0.634%
43	5.489	5.472	5.504	VV	17484	196748	2.39%	0.253%
44	5.509	5.504	5.517	VV	5408	39614	0.48%	0.051%
45	5.526	5.517	5.537	VV	6727	66752	0.81%	0.086%
46	5.548	5.537	5.559	VV	6994	75105	0.91%	0.096%
47	5.567	5.559	5.591	VV	5404	56657	0.69%	0.073%
48	5.616	5.591	5.640	PV	13116	172872	2.10%	0.222%
49	5.667	5.640	5.684	VV	13638	233489	2.83%	0.300%
50	5.691	5.684	5.704	VV	5337	56013	0.68%	0.072%
51	5.735	5.704	5.766	VV	24676	370980	4.50%	0.476%
52	5.787	5.766	5.800	VV	10532	135064	1.64%	0.173%
53	5.836	5.800	5.857	VV	32155	567286	6.88%	0.729%
54	5.872	5.857	5.897	VV	17987	283636	3.44%	0.364%
55	5.913	5.897	5.926	VV	23986	269829	3.27%	0.347%
56	5.955	5.926	5.977	VV	28278	500219	6.07%	0.642%
57	5.994	5.977	6.006	VV	15674	209442	2.54%	0.269%
58	6.015	6.006	6.030	VV	11091	139362	1.69%	0.179%
59	6.057	6.030	6.099	VV	28593	688689	8.35%	0.884%
60	6.127	6.099	6.182	VV	15813	502919	6.10%	0.646%
61	6.214	6.182	6.236	VV	20332	404538	4.91%	0.520%
62	6.251	6.236	6.262	VV	15120	182261	2.21%	0.234%
63	6.276	6.262	6.303	VV	18934	377057	4.57%	0.484%
64	6.326	6.303	6.346	VV	16908	325903	3.95%	0.419%
65	6.376	6.346	6.391	VV	18251	326587	3.96%	0.419%
66	6.405	6.391	6.426	VV	26203	324974	3.94%	0.417%
67	6.445	6.426	6.465	VV	26354	353325	4.29%	0.454%
68	6.479	6.465	6.491	VV	11619	147264	1.79%	0.189%
69	6.520	6.491	6.539	VV	26633	441106	5.35%	0.566%
70	6.545	6.539	6.555	VV	8504	73917	0.90%	0.095%
71	6.572	6.555	6.588	VV	13956	203712	2.47%	0.262%
72	6.606	6.588	6.618	VV	13331	181888	2.21%	0.234%
73	6.645	6.618	6.665	VV	22609	486995	5.91%	0.625%
74	6.682	6.665	6.717	VV	27339	638803	7.75%	0.820%
75	6.744	6.717	6.779	VV	33513	739460	8.97%	0.950%
76	6.792	6.779	6.805	VV	14118	176833	2.15%	0.227%
77	6.834	6.805	6.852	VV	54673	821594	9.97%	1.055%
78	6.875	6.852	6.907	VV	45036	971063	11.78%	1.247%
79	6.924	6.907	6.937	VV	14909	246119	2.99%	0.316%
80	6.948	6.937	6.965	VV	14833	195461	2.37%	0.251%
81	6.984	6.965	7.000	VV	13302	217875	2.64%	0.280%
82	7.022	7.000	7.034	VV	32310	437750	5.31%	0.562%
83	7.041	7.034	7.067	VV	23457	358504	4.35%	0.460%
84	7.080	7.067	7.085	VV	15003	152165	1.85%	0.195%
85	7.100	7.085	7.110	VV	24631	309074	3.75%	0.397%
86	7.120	7.110	7.161	VV	23240	479194	5.81%	0.615%
87	7.175	7.161	7.199	VV	13058	247218	3.00%	0.317%
88	7.219	7.199	7.250	VV	38484	677594	8.22%	0.870%
89	7.268	7.250	7.289	VV	26111	381231	4.62%	0.490%

90	7.317	7.289	7.328	VV	15926	285410	3.46%	0.367%
91	7.353	7.328	7.398	VV	719188	7324407	88.85%	9.406%
92	7.405	7.398	7.434	VV	15367	277226	3.36%	0.356%
93	7.450	7.434	7.456	VV	13823	165721	2.01%	0.213%
94	7.469	7.456	7.491	VV	15182	284334	3.45%	0.365%
95	7.509	7.491	7.525	VV	19762	297340	3.61%	0.382%
96	7.539	7.525	7.557	VV	14618	251297	3.05%	0.323%
97	7.592	7.557	7.599	VV	18247	373496	4.53%	0.480%
98	7.631	7.599	7.652	VV	27221	688636	8.35%	0.884%
99	7.664	7.652	7.677	VV	22739	277385	3.36%	0.356%
100	7.686	7.677	7.693	VV	15885	143673	1.74%	0.185%
101	7.712	7.693	7.721	VV	41408	485570	5.89%	0.624%
102	7.737	7.721	7.766	VV	44229	775051	9.40%	0.995%
103	7.783	7.766	7.803	VV	15087	290340	3.52%	0.373%
104	7.827	7.803	7.842	VV	86674	1040769	12.62%	1.337%
105	7.855	7.842	7.880	VV	57803	792971	9.62%	1.018%
106	7.899	7.880	7.927	VV	19199	487810	5.92%	0.626%
107	7.940	7.927	7.958	VV	20173	336105	4.08%	0.432%
108	7.996	7.958	8.035	VV	42630	1233786	14.97%	1.584%
109	8.055	8.035	8.083	VV	39910	642837	7.80%	0.826%
110	8.097	8.083	8.108	VV	26728	306812	3.72%	0.394%
111	8.121	8.108	8.137	VV	30976	410940	4.98%	0.528%
112	8.147	8.137	8.166	VV	18534	281762	3.42%	0.362%
113	8.202	8.166	8.248	VV	366419	4253019	51.59%	5.462%
114	8.265	8.248	8.296	VV	21985	510493	6.19%	0.656%
115	8.316	8.296	8.330	VV	18062	339535	4.12%	0.436%
116	8.346	8.330	8.359	VV	24872	337263	4.09%	0.433%
117	8.369	8.359	8.395	VV	18941	358834	4.35%	0.461%
118	8.411	8.395	8.434	VV	20191	381506	4.63%	0.490%
119	8.453	8.434	8.482	VV	27935	607257	7.37%	0.780%
120	8.496	8.482	8.505	VV	17951	218507	2.65%	0.281%
121	8.513	8.505	8.526	VV	18533	206850	2.51%	0.266%
122	8.545	8.526	8.563	VV	42040	604695	7.34%	0.777%
123	8.575	8.563	8.598	VV	21976	366348	4.44%	0.470%
124	8.614	8.598	8.625	VV	17841	244841	2.97%	0.314%
125	8.637	8.625	8.652	VV	19489	275222	3.34%	0.353%
126	8.682	8.652	8.695	VV	26614	531922	6.45%	0.683%
127	8.710	8.695	8.729	VV	39402	516696	6.27%	0.664%
128	8.752	8.729	8.783	VV	48700	814818	9.88%	1.046%
129	8.792	8.783	8.809	VV	13230	186786	2.27%	0.240%
130	8.823	8.809	8.833	VV	11904	165467	2.01%	0.212%
131	8.865	8.833	8.885	VV	42139	708686	8.60%	0.910%
132	8.897	8.885	8.931	VV	27900	460623	5.59%	0.592%
133	8.944	8.931	8.953	VV	12205	150316	1.82%	0.193%
134	8.978	8.953	8.985	VV	23892	332099	4.03%	0.426%
135	8.999	8.985	9.018	VV	38653	557081	6.76%	0.715%
136	9.023	9.018	9.042	VV	17769	213563	2.59%	0.274%
137	9.053	9.042	9.064	VV	12453	160140	1.94%	0.206%
138	9.099	9.064	9.128	VV	17404	522801	6.34%	0.671%
139	9.159	9.128	9.204	VV	40072	808133	9.80%	1.038%
140	9.233	9.204	9.249	VV	14188	316282	3.84%	0.406%
141	9.268	9.249	9.275	VV	16245	209084	2.54%	0.269%

142	9.287	9.275	9.307	VV	19122	276605	3.36%	0.355%
143	9.333	9.307	9.344	VV	12543	249624	3.03%	0.321%
144	9.362	9.344	9.390	VV	91291	1154662	14.01%	1.483%
145	9.403	9.390	9.442	VV	17915	453420	5.50%	0.582%
146	9.455	9.442	9.471	VV	13934	205926	2.50%	0.264%
147	9.489	9.471	9.496	VV	13181	169985	2.06%	0.218%
148	9.508	9.496	9.549	VV	15028	362094	4.39%	0.465%
149	9.592	9.549	9.630	VV	11750	430407	5.22%	0.553%
150	9.665	9.630	9.706	VV	13192	372368	4.52%	0.478%
151	9.709	9.706	9.720	VV	6055	49282	0.60%	0.063%
152	9.730	9.720	9.752	VV	5731	101761	1.23%	0.131%
153	9.767	9.752	9.777	VV	6031	79796	0.97%	0.102%
154	9.783	9.777	9.798	VV	5744	71292	0.86%	0.092%
155	9.823	9.798	9.847	VV	13485	242738	2.94%	0.312%
156	9.866	9.847	9.878	VV	9968	144174	1.75%	0.185%
157	9.892	9.878	9.908	VV	9858	159372	1.93%	0.205%
158	9.924	9.908	9.937	VV	13801	183335	2.22%	0.235%
159	9.952	9.937	9.976	VV	16158	277840	3.37%	0.357%
160	9.995	9.976	10.050	VV	13197	374406	4.54%	0.481%
161	10.072	10.050	10.080	VV	12228	164333	1.99%	0.211%
162	10.095	10.080	10.113	VV	16457	234850	2.85%	0.302%
163	10.128	10.113	10.148	VV	10077	174475	2.12%	0.224%
164	10.164	10.148	10.182	VV	8564	139488	1.69%	0.179%
165	10.206	10.182	10.223	VV	7622	151975	1.84%	0.195%
166	10.242	10.223	10.272	VV	11663	212042	2.57%	0.272%
167	10.310	10.272	10.342	VV	11621	338665	4.11%	0.435%
168	10.348	10.342	10.357	VV	5500	47843	0.58%	0.061%
169	10.362	10.357	10.397	VV	5436	96533	1.17%	0.124%
170	10.428	10.397	10.447	VV	5146	125087	1.52%	0.161%
171	10.478	10.447	10.525	VV	9858	259605	3.15%	0.333%
172	10.541	10.525	10.549	VV	3518	46245	0.56%	0.059%
173	10.565	10.549	10.593	VV	4825	95371	1.16%	0.122%
174	10.604	10.593	10.628	VV	2831	51782	0.63%	0.066%
175	10.649	10.628	10.659	VV	3549	56103	0.68%	0.072%
176	10.663	10.659	10.678	VV	3658	36695	0.45%	0.047%
177	10.692	10.678	10.715	VV	3328	65583	0.80%	0.084%
178	10.729	10.715	10.738	VV	2835	36561	0.44%	0.047%
179	10.750	10.738	10.760	VV	3014	35680	0.43%	0.046%
180	10.782	10.760	10.805	VV	5965	111395	1.35%	0.143%
181	10.820	10.805	10.831	VV	4544	59707	0.72%	0.077%
182	10.840	10.831	10.855	VV	4740	60271	0.73%	0.077%
183	10.870	10.855	10.891	VV	6237	104328	1.27%	0.134%
184	10.896	10.891	10.905	VV	3100	25813	0.31%	0.033%
185	10.910	10.905	10.923	VV	3092	28932	0.35%	0.037%
186	10.940	10.923	10.976	VV	5712	136720	1.66%	0.176%
187	10.995	10.976	11.011	VV	5049	84696	1.03%	0.109%
188	11.024	11.011	11.061	VV	5258	115529	1.40%	0.148%
189	11.068	11.061	11.087	VV	3052	41372	0.50%	0.053%
190	11.093	11.087	11.102	VV	2148	17142	0.21%	0.022%
191	11.129	11.102	11.151	VV	5865	111440	1.35%	0.143%
192	11.156	11.151	11.190	VV	2663	48824	0.59%	0.063%
193	11.239	11.190	11.263	VV	790156	8243716	100.00%	10.586%
194	11.272	11.263	11.292	VV	8509	113117	1.37%	0.145%

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195	11.306	11.292	11.340	VV	7515	126905	1.54%	0.163%
196	11.361	11.340	11.372	VV	2909	49782	0.60%	0.064%
197	11.385	11.372	11.395	VV	3774	45035	0.55%	0.058%
198	11.417	11.395	11.436	VV	5796	108695	1.32%	0.140%
199	11.452	11.436	11.501	VV	5166	124616	1.51%	0.160%
200	11.518	11.501	11.537	VV	2102	39261	0.48%	0.050%
201	11.541	11.537	11.545	VV	1687	8354	0.10%	0.011%
202	11.576	11.545	11.595	VV	3689	84244	1.02%	0.108%
203	11.609	11.595	11.629	VV	3331	53169	0.64%	0.068%
204	11.657	11.629	11.681	VV	8987	143716	1.74%	0.185%
205	11.689	11.681	11.720	VV	2578	47924	0.58%	0.062%
206	11.724	11.720	11.743	VV	1871	22736	0.28%	0.029%
207	11.767	11.743	11.786	VV	2667	52905	0.64%	0.068%
208	11.811	11.786	11.834	VV	3534	78987	0.96%	0.101%
209	11.856	11.834	11.913	VV	48845	638320	7.74%	0.820%
210	11.932	11.913	11.980	VV	3218	104356	1.27%	0.134%
211	12.014	11.980	12.038	VV	3064	78995	0.96%	0.101%
212	12.059	12.038	12.073	VV	4606	67004	0.81%	0.086%
213	12.079	12.073	12.095	VV	3502	39922	0.48%	0.051%
214	12.106	12.095	12.123	VV	3005	41158	0.50%	0.053%
215	12.167	12.123	12.188	VV	7378	142370	1.73%	0.183%
216	12.202	12.188	12.217	VV	3532	51455	0.62%	0.066%
217	12.236	12.217	12.261	VV	4774	74896	0.91%	0.096%
218	12.288	12.261	12.344	VV	7038	158581	1.92%	0.204%
219	12.354	12.344	12.364	VV	579	5948	0.07%	0.008%
220	12.405	12.364	12.452	VV	1672	49518	0.60%	0.064%
221	12.475	12.452	12.488	VV	1223	18014	0.22%	0.023%
222	12.508	12.488	12.526	VV	1570	28805	0.35%	0.037%
223	12.530	12.526	12.553	VV	1405	18427	0.22%	0.024%
224	12.576	12.553	12.623	VV	4792	93267	1.13%	0.120%
225	12.677	12.623	12.705	VV	109042	1294641	15.70%	1.663%
226	12.730	12.705	12.762	VV	2033	59418	0.72%	0.076%
227	12.766	12.762	12.827	VV	1539	33339	0.40%	0.043%
228	12.860	12.827	12.881	VV	2765	60795	0.74%	0.078%
229	12.904	12.881	12.951	VV	6952	120607	1.46%	0.155%
230	12.970	12.951	12.984	VV	2136	30191	0.37%	0.039%
231	12.994	12.984	13.032	VV	1843	43439	0.53%	0.056%
232	13.042	13.032	13.056	VV	1406	17772	0.22%	0.023%
233	13.077	13.056	13.117	VV	14357	201858	2.45%	0.259%
234	13.120	13.117	13.149	VV	1569	25808	0.31%	0.033%
235	13.179	13.149	13.190	VV	1548	33474	0.41%	0.043%
236	13.196	13.190	13.219	VV	1363	17997	0.22%	0.023%
237	13.223	13.219	13.249	VV	731	8883	0.11%	0.011%
238	13.276	13.249	13.298	VV	1174	25445	0.31%	0.033%
239	13.319	13.298	13.364	VV	1977	63100	0.77%	0.081%
240	13.383	13.364	13.407	VV	2536	41002	0.50%	0.053%
241	13.434	13.407	13.464	VV	3305	65199	0.79%	0.084%
242	13.483	13.464	13.499	VV	1599	23130	0.28%	0.030%
243	13.506	13.499	13.512	VV	758	5477	0.07%	0.007%
244	13.516	13.512	13.521	VV	833	4211	0.05%	0.005%
245	13.528	13.521	13.542	VV	864	7692	0.09%	0.010%
246	13.558	13.542	13.586	VV	518	8498	0.10%	0.011%

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247	13.615	13.586	13.630	PV	774	11587	0.14%	0.015%
248	13.637	13.630	13.647	VV	707	5211	0.06%	0.007%
249	13.670	13.647	13.686	VV	503	8533	0.10%	0.011%
250	13.707	13.686	13.714	VV	616	7358	0.09%	0.009%
251	13.723	13.714	13.741	VV	695	7035	0.09%	0.009%
252	13.754	13.741	13.761	VV	496	4354	0.05%	0.006%
253	13.776	13.761	13.796	VV	1267	17941	0.22%	0.023%
254	13.800	13.796	13.805	VV	622	3427	0.04%	0.004%
255	13.830	13.805	13.846	VV	1377	25195	0.31%	0.032%
256	13.864	13.846	13.883	VV	1598	26763	0.32%	0.034%
257	13.891	13.883	13.899	VV	1266	10718	0.13%	0.014%
258	13.902	13.899	13.954	VV	1192	19592	0.24%	0.025%
259	13.983	13.954	13.990	VV	1017	15631	0.19%	0.020%
260	14.006	13.990	14.045	VV	1373	28251	0.34%	0.036%
261	14.070	14.045	14.087	VV	1158	21221	0.26%	0.027%
262	14.102	14.087	14.124	VV	1502	25284	0.31%	0.032%
263	14.140	14.124	14.160	VV	1480	23944	0.29%	0.031%
264	14.173	14.160	14.179	VV	1062	10095	0.12%	0.013%
265	14.199	14.179	14.236	VV	2044	37082	0.45%	0.048%
266	14.254	14.236	14.285	VV	1202	22306	0.27%	0.029%
267	14.298	14.285	14.324	VV	874	14498	0.18%	0.019%
268	14.332	14.324	14.342	VV	565	4541	0.06%	0.006%
269	14.379	14.342	14.395	VV	676	14290	0.17%	0.018%
270	14.398	14.395	14.415	VV	617	2998	0.04%	0.004%
271	14.426	14.415	14.445	PV	613	7212	0.09%	0.009%
272	14.450	14.445	14.456	VV	449	2286	0.03%	0.003%
273	14.486	14.456	14.513	VV	2208	47632	0.58%	0.061%
274	14.526	14.513	14.552	VV	2041	32197	0.39%	0.041%
275	14.572	14.552	14.584	VV	1110	16751	0.20%	0.022%
276	14.590	14.584	14.610	VV	1112	11580	0.14%	0.015%
277	14.623	14.610	14.628	VV	622	5603	0.07%	0.007%
278	14.635	14.628	14.684	VV	525	13394	0.16%	0.017%
279	14.691	14.684	14.709	VV	444	5342	0.06%	0.007%
280	14.723	14.709	14.739	VV	465	6201	0.08%	0.008%
281	14.759	14.739	14.782	VV	757	8774	0.11%	0.011%
282	14.813	14.782	14.831	PV	429	7597	0.09%	0.010%
283	14.904	14.831	14.992	VV	24114	441737	5.36%	0.567%
284	14.999	14.992	15.008	VV	607	4980	0.06%	0.006%
285	15.018	15.008	15.022	VV	584	4317	0.05%	0.006%
286	15.056	15.022	15.080	VV	1593	33380	0.40%	0.043%
287	15.094	15.080	15.106	VV	547	6315	0.08%	0.008%
288	15.132	15.106	15.165	VV	1526	29880	0.36%	0.038%
289	15.172	15.165	15.181	VV	687	5148	0.06%	0.007%
290	15.185	15.181	15.189	VV	597	2329	0.03%	0.003%
291	15.193	15.189	15.199	VV	440	2488	0.03%	0.003%
292	15.223	15.199	15.244	VV	877	14981	0.18%	0.019%
293	15.249	15.244	15.257	VV	516	3383	0.04%	0.004%
294	15.277	15.257	15.288	VV	741	9927	0.12%	0.013%
295	15.294	15.288	15.306	VV	564	5307	0.06%	0.007%
296	15.314	15.306	15.329	VV	632	7451	0.09%	0.010%
297	15.340	15.329	15.372	VV	712	12869	0.16%	0.017%
298	15.375	15.372	15.383	VV	404	2526	0.03%	0.003%
299	15.427	15.383	15.448	VV	1207	25220	0.31%	0.032%

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300	15.467	15.448	15.482	VV	524	9341	0.11%	0.012%
301	15.503	15.482	15.522	VV	936	16195	0.20%	0.021%
302	15.542	15.522	15.564	VV	1593	25989	0.32%	0.033%
303	15.578	15.564	15.592	VV	793	11782	0.14%	0.015%
304	15.597	15.592	15.606	VV	721	5321	0.06%	0.007%
305	15.610	15.606	15.616	VV	522	2974	0.04%	0.004%
306	15.619	15.616	15.628	VV	470	2544	0.03%	0.003%
307	15.635	15.628	15.657	VV	500	5101	0.06%	0.007%
308	15.706	15.657	15.711	PV	710	10923	0.13%	0.014%
309	15.729	15.711	15.746	VV	1018	15967	0.19%	0.021%
310	15.752	15.746	15.762	VV	592	4993	0.06%	0.006%
311	15.770	15.762	15.784	VV	759	7603	0.09%	0.010%
312	15.800	15.784	15.805	VV	826	7098	0.09%	0.009%
313	15.812	15.805	15.819	VV	704	4861	0.06%	0.006%
314	15.830	15.819	15.849	VV	685	8837	0.11%	0.011%
315	15.917	15.849	15.967	VV	2943	79420	0.96%	0.102%
316	15.974	15.967	15.980	VV	743	5006	0.06%	0.006%
317	15.993	15.980	15.999	VV	895	8393	0.10%	0.011%
318	16.021	15.999	16.044	VV	2002	36915	0.45%	0.047%
319	16.050	16.044	16.072	VV	1359	18723	0.23%	0.024%
320	16.100	16.072	16.114	VV	1328	23069	0.28%	0.030%
321	16.157	16.114	16.189	VV	1853	46971	0.57%	0.060%
322	16.192	16.189	16.199	VV	861	4546	0.06%	0.006%
323	16.203	16.199	16.230	VV	677	10430	0.13%	0.013%
324	16.235	16.230	16.255	VV	596	6755	0.08%	0.009%
325	16.274	16.255	16.280	VV	809	8737	0.11%	0.011%
326	16.285	16.280	16.312	VV	800	13491	0.16%	0.017%
327	16.332	16.312	16.365	VV	1279	27967	0.34%	0.036%
328	16.377	16.365	16.385	VV	795	7583	0.09%	0.010%
329	16.407	16.385	16.426	VV	1380	25272	0.31%	0.032%
330	16.438	16.426	16.442	VV	1065	9461	0.11%	0.012%
331	16.485	16.442	16.508	VV	2598	61077	0.74%	0.078%
332	16.529	16.508	16.594	VV	4373	80865	0.98%	0.104%
333	16.606	16.594	16.614	VV	753	6301	0.08%	0.008%
334	16.635	16.614	16.648	PV	803	9237	0.11%	0.012%
335	16.660	16.648	16.673	VV	715	7860	0.10%	0.010%
336	16.687	16.673	16.708	VV	659	11089	0.13%	0.014%
337	16.715	16.708	16.727	VV	599	5979	0.07%	0.008%
338	16.732	16.727	16.747	VV	613	6321	0.08%	0.008%
339	16.753	16.747	16.756	VV	618	3205	0.04%	0.004%
340	16.770	16.756	16.781	VV	717	9090	0.11%	0.012%
341	16.790	16.781	16.798	VV	798	6279	0.08%	0.008%
342	16.805	16.798	16.829	VV	613	8568	0.10%	0.011%
343	16.853	16.829	16.876	VV	1685	30780	0.37%	0.040%
344	16.882	16.876	16.897	VV	1130	11127	0.13%	0.014%
345	16.929	16.897	16.964	VV	2498	49348	0.60%	0.063%
346	16.999	16.964	17.004	VV	1003	15409	0.19%	0.020%
347	17.015	17.004	17.021	VV	937	9090	0.11%	0.012%
348	17.025	17.021	17.036	VV	769	5755	0.07%	0.007%
349	17.051	17.036	17.057	VV	1021	10673	0.13%	0.014%
350	17.078	17.057	17.105	VV	1140	25729	0.31%	0.033%
351	17.113	17.105	17.122	VV	810	7010	0.09%	0.009%

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352	17.136	17.122	17.140	VV	724	6647	0.08%	0.009%
353	17.167	17.140	17.174	VV	874	14402	0.17%	0.018%
354	17.179	17.174	17.184	VV	810	4431	0.05%	0.006%
355	17.186	17.184	17.206	VV	831	9354	0.11%	0.012%
356	17.217	17.206	17.237	VV	954	15061	0.18%	0.019%
357	17.243	17.237	17.249	VV	867	5341	0.06%	0.007%
358	17.253	17.249	17.258	VV	795	4072	0.05%	0.005%
359	17.263	17.258	17.269	VV	718	4254	0.05%	0.005%
360	17.273	17.269	17.280	VV	825	4992	0.06%	0.006%
361	17.333	17.280	17.345	VV	1676	44949	0.55%	0.058%
362	17.368	17.345	17.402	VV	3471	63754	0.77%	0.082%
363	17.412	17.402	17.428	VV	750	10221	0.12%	0.013%
364	17.453	17.428	17.494	VV	1822	47520	0.58%	0.061%
365	17.507	17.494	17.528	VV	831	15019	0.18%	0.019%
366	17.539	17.528	17.556	VV	1018	13047	0.16%	0.017%
367	17.562	17.556	17.567	VV	758	4492	0.05%	0.006%
368	17.573	17.567	17.579	VV	907	5534	0.07%	0.007%
369	17.584	17.579	17.590	VV	902	5309	0.06%	0.007%
370	17.618	17.590	17.639	VV	1186	27066	0.33%	0.035%
371	17.658	17.639	17.671	VV	1381	21782	0.26%	0.028%
372	17.725	17.671	17.769	VV	12203	270086	3.28%	0.347%
373	17.789	17.769	17.814	VV	4947	88248	1.07%	0.113%
374	17.830	17.814	17.852	VV	1718	32007	0.39%	0.041%
375	17.858	17.852	17.890	VV	1366	24294	0.29%	0.031%
376	17.922	17.890	17.928	VV	1378	22668	0.27%	0.029%
377	17.931	17.928	17.945	VV	1024	9044	0.11%	0.012%
378	17.956	17.945	17.973	VV	924	12530	0.15%	0.016%
379	17.981	17.973	17.987	VV	725	4829	0.06%	0.006%
380	17.993	17.987	18.004	PV	475	3380	0.04%	0.004%
381	18.039	18.004	18.059	VV	1361	33621	0.41%	0.043%
382	18.062	18.059	18.074	VV	961	6426	0.08%	0.008%
383	18.084	18.074	18.090	VV	620	5456	0.07%	0.007%
384	18.097	18.090	18.106	VV	611	5143	0.06%	0.007%
385	18.117	18.106	18.128	VV	626	6884	0.08%	0.009%
386	18.146	18.128	18.151	VV	1070	11084	0.13%	0.014%
387	18.159	18.151	18.167	VV	1105	9870	0.12%	0.013%
388	18.196	18.167	18.233	VV	3187	54650	0.66%	0.070%
389	18.254	18.233	18.259	VV	408	2737	0.03%	0.004%

Sum of corrected areas: 77870152

Aromatic EPH 012425.M Sat Feb 08 00:47:08 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-14DL	SDG No.:	Q1308
Lab Sample ID:	Q1308-13DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FC068247.D	10	02/06/25	02/10/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		40.5		4.62	12.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		74.3		2.92	8.10	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		11.1	J	3.65	12.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		9.72	U	9.72	16.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		12.1	J	21.9	24.3	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		5.34		40 - 140	107%	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:	Q1308-13DL	Acq On:	10 Feb 2025 12:45
Client Sample ID:	EX-11-TPH-14DL	Operator:	YP/AJ
Data file:	FC068247.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.108	6.374	6921238	49.977	300	ug/ml
Aliphatic C12-C16	6.375	9.758	12631436	91.723	200	ug/ml
Aliphatic C16-C21	9.759	13.112	1846978	13.679	300	ug/ml
Aliphatic C21-C28	13.113	16.764	161535	1.27	400	ug/ml
Aliphatic C28-C40	16.765	21.564	1550724	14.963	600	ug/ml
Aliphatic EPH	3.108	21.564	23111911	171.612		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.841	12.841	614207	5.34		ug/ml
Aliphatic C9-C28	3.108	16.764	21561187	156.649	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068247.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 12:45
Operator : YP/AJ
Sample : Q1308-13DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-14DL

Integration File: autoint1.e
Quant Time: Feb 10 23:16:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.841	614207	5.341 ug/ml
Spiked Amount 50.000		Recovery = 10.68%	
Target Compounds			

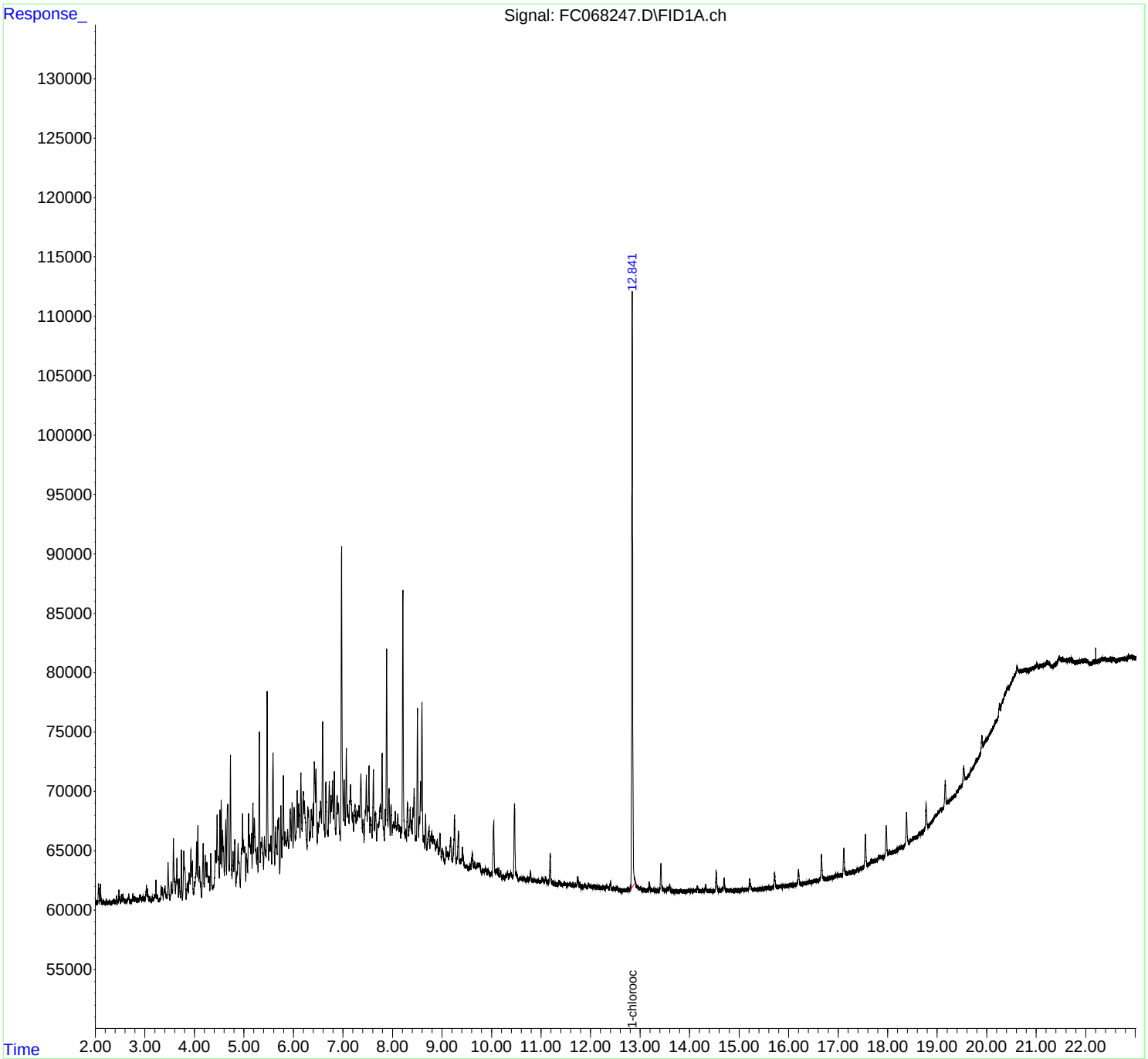
(f)=RT Delta > 1/2 Window (m)=manual int.

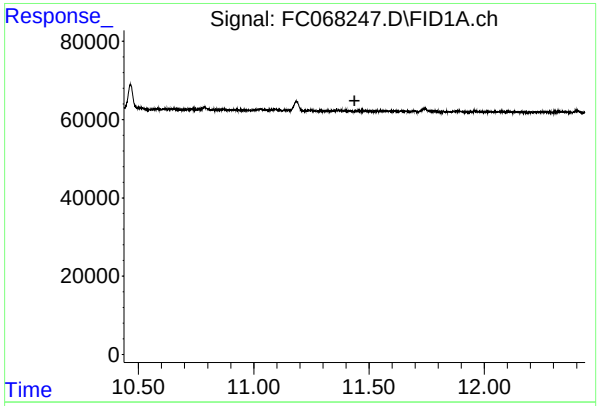
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068247.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 12:45
Operator : YP/AJ
Sample : Q1308-13DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-14DL

Integration File: autoint1.e
Quant Time: Feb 10 23:16:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

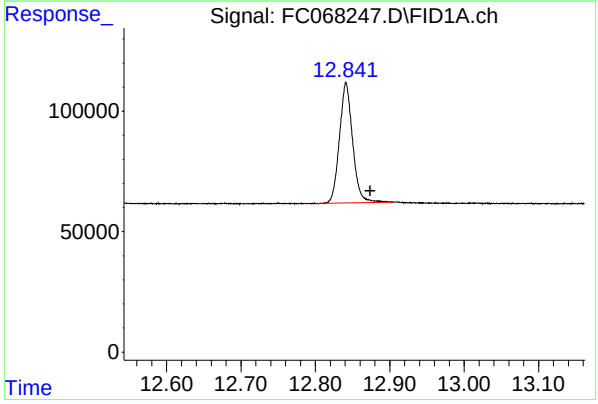




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-14DL



#12 1-chlorooctadecane (SURR)

R.T.: 12.841 min
Delta R.T.: -0.033 min
Response: 614207
Conc: 5.34 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068247.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 12:45
Sample : Q1308-13DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.031	3.004	3.045	BV	1183	12750	1.86%	0.053%
2	3.055	3.045	3.091	VV	809	9728	1.42%	0.041%
3	3.104	3.091	3.132	VV	187	2482	0.36%	0.010%
4	3.151	3.132	3.164	PV	329	2810	0.41%	0.012%
5	3.198	3.164	3.208	VV	525	8907	1.30%	0.037%
6	3.224	3.208	3.238	VV	1760	16946	2.48%	0.071%
7	3.247	3.238	3.289	VV	486	7228	1.06%	0.030%
8	3.328	3.289	3.340	VV	1283	15059	2.20%	0.063%
9	3.351	3.340	3.371	VV	1120	12267	1.79%	0.051%
10	3.386	3.371	3.398	VV	973	12059	1.76%	0.051%
11	3.407	3.398	3.430	VV	1215	14780	2.16%	0.062%
12	3.441	3.430	3.450	VV	533	5186	0.76%	0.022%
13	3.469	3.450	3.508	VV	3265	42752	6.24%	0.179%
14	3.532	3.508	3.551	VV	1575	23655	3.46%	0.099%
15	3.577	3.551	3.617	VV	5195	84319	12.32%	0.353%
16	3.646	3.617	3.678	VV	3590	63083	9.21%	0.264%
17	3.787	3.758	3.834	VV	4045	88744	12.96%	0.372%
18	3.867	3.834	3.878	VV	1550	28235	4.12%	0.118%
19	3.928	3.914	3.945	VV	4334	54120	7.91%	0.227%
20	3.958	3.945	3.984	VV	3283	43202	6.31%	0.181%
21	4.044	3.984	4.055	VV	4947	90690	13.25%	0.380%
22	4.070	4.055	4.090	VV	6319	79207	11.57%	0.332%
23	4.106	4.090	4.142	VV	2825	50801	7.42%	0.213%
24	4.177	4.142	4.197	VV	4811	73544	10.74%	0.308%
25	4.218	4.197	4.239	VV	3715	64855	9.47%	0.272%
26	4.253	4.239	4.284	VV	3148	62378	9.11%	0.261%
27	4.299	4.284	4.313	VV	2006	27921	4.08%	0.117%
28	4.332	4.313	4.370	VV	3961	67498	9.86%	0.283%
29	4.382	4.370	4.389	VV	1225	12826	1.87%	0.054%
30	4.424	4.389	4.441	VV	4121	85618	12.51%	0.359%
31	4.458	4.441	4.502	VV	7210	154007	22.50%	0.646%
32	4.542	4.529	4.557	VV	8390	91206	13.32%	0.382%
33	4.571	4.557	4.605	VV	5863	121164	17.70%	0.508%
34	4.634	4.605	4.649	VV	6648	108480	15.85%	0.455%
35	4.674	4.649	4.698	VV	8010	162814	23.78%	0.682%
36	4.781	4.759	4.797	VV	4088	69991	10.22%	0.293%

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37	4.816	4.797	4.839	VV	5049	83462	12.19%	0.350%
38	4.882	4.839	4.926	VV	4739	139478	20.37%	0.585%
39	4.973	4.926	5.003	VV	7173	192498	28.12%	0.807%
40	5.019	5.003	5.037	VV	4360	75549	11.04%	0.317%
41	5.054	5.037	5.075	VV	3804	67002	9.79%	0.281%
42	5.095	5.075	5.108	VV	7200	100133	14.63%	0.420%
43	5.117	5.108	5.141	VV	5375	91762	13.40%	0.385%
44	5.153	5.141	5.166	VV	5440	65225	9.53%	0.273%
45	5.182	5.166	5.197	VV	8079	104880	15.32%	0.440%
46	5.212	5.197	5.257	VV	6876	174736	25.52%	0.732%
47	5.271	5.257	5.284	VV	4315	58162	8.50%	0.244%
48	5.312	5.284	5.331	VV	14116	198231	28.96%	0.831%
49	5.365	5.331	5.397	VV	5208	164704	24.06%	0.690%
50	5.415	5.397	5.448	VV	5240	125897	18.39%	0.528%
51	5.470	5.448	5.498	VV	17420	256295	37.44%	1.074%
52	5.513	5.498	5.532	VV	4571	85132	12.44%	0.357%
53	5.545	5.532	5.561	VV	5302	78165	11.42%	0.328%
54	5.588	5.561	5.622	VV	12366	248465	36.29%	1.042%
55	5.642	5.622	5.671	VV	6039	132070	19.29%	0.554%
56	5.701	5.671	5.724	VV	6843	163402	23.87%	0.685%
57	5.747	5.724	5.765	VV	7825	122438	17.88%	0.513%
58	5.797	5.765	5.816	VV	10362	196909	28.76%	0.825%
59	5.827	5.816	5.856	VV	5591	118392	17.29%	0.496%
60	5.883	5.856	5.901	VV	5827	136626	19.96%	0.573%
61	5.935	5.901	5.956	VV	7541	193176	28.22%	0.810%
62	5.974	5.956	5.994	VV	8077	139330	20.35%	0.584%
63	6.015	5.994	6.039	VV	7658	167876	24.52%	0.704%
64	6.077	6.039	6.093	VV	9158	218028	31.85%	0.914%
65	6.107	6.093	6.133	VV	7920	164329	24.00%	0.689%
66	6.151	6.133	6.175	VV	10587	194676	28.44%	0.816%
67	6.199	6.175	6.212	VV	8937	169042	24.69%	0.709%
68	6.222	6.212	6.273	VV	8222	237008	34.62%	0.993%
69	6.292	6.273	6.325	VV	7709	199056	29.08%	0.834%
70	6.361	6.325	6.383	VV	7497	212752	31.08%	0.892%
71	6.397	6.383	6.406	VV	7929	94088	13.74%	0.394%
72	6.424	6.406	6.444	VV	11437	215877	31.53%	0.905%
73	6.456	6.444	6.481	VV	10932	178042	26.01%	0.746%
74	6.494	6.481	6.503	VV	6331	77588	11.33%	0.325%
75	6.548	6.503	6.565	VV	8129	256685	37.49%	1.076%
76	6.591	6.565	6.637	VV	14667	371467	54.26%	1.557%
77	6.655	6.637	6.700	VV	9745	263975	38.56%	1.107%
78	6.725	6.700	6.743	VV	9763	202581	29.59%	0.849%
79	6.758	6.743	6.770	VV	8577	122967	17.96%	0.515%
80	6.790	6.770	6.807	VV	9748	185429	27.09%	0.777%
81	6.827	6.807	6.855	VV	10631	223369	32.63%	0.936%
82	6.882	6.855	6.897	VV	8599	182028	26.59%	0.763%
83	6.910	6.897	6.947	VV	7935	196555	28.71%	0.824%
84	6.973	6.947	7.008	VV	29531	503909	73.61%	2.112%
85	7.026	7.008	7.045	VV	9916	180765	26.40%	0.758%
86	7.069	7.045	7.087	VV	12657	225436	32.93%	0.945%
87	7.097	7.087	7.123	VV	7801	154848	22.62%	0.649%
88	7.154	7.123	7.216	VV	9407	414286	60.51%	1.737%
89	7.241	7.216	7.267	VV	7837	209803	30.65%	0.879%

90	7.281	7.267	7.291	VV	7181	97617	14.26%	0.409%
91	7.323	7.291	7.337	VV	7684	201953	29.50%	0.847%
92	7.364	7.337	7.393	VV	10389	272365	39.78%	1.142%
93	7.408	7.393	7.428	VV	6473	120220	17.56%	0.504%
94	7.472	7.428	7.491	VV	10255	277692	40.56%	1.164%
95	7.503	7.491	7.511	VV	7620	88272	12.89%	0.370%
96	7.526	7.511	7.545	VV	11110	172329	25.17%	0.722%
97	7.561	7.545	7.589	VV	6685	160812	23.49%	0.674%
98	7.616	7.589	7.636	VV	10713	213285	31.15%	0.894%
99	7.660	7.636	7.681	VV	7123	171481	25.05%	0.719%
100	7.754	7.681	7.773	VV	7745	356674	52.10%	1.495%
101	7.791	7.773	7.835	VV	12143	288900	42.20%	1.211%
102	7.854	7.835	7.863	VV	7415	106156	15.51%	0.445%
103	7.883	7.863	7.909	VV	20658	317505	46.38%	1.331%
104	7.932	7.909	7.954	VV	9040	199507	29.14%	0.836%
105	7.971	7.954	7.991	VV	7768	144500	21.11%	0.606%
106	8.022	7.991	8.036	VV	6196	160766	23.48%	0.674%
107	8.057	8.036	8.090	VV	7150	205083	29.96%	0.860%
108	8.109	8.090	8.145	VV	7007	199179	29.09%	0.835%
109	8.153	8.145	8.167	VV	5911	74075	10.82%	0.311%
110	8.211	8.167	8.254	VV	25886	508553	74.28%	2.132%
111	8.269	8.254	8.284	VV	5617	95106	13.89%	0.399%
112	8.303	8.284	8.326	VV	7866	159351	23.28%	0.668%
113	8.360	8.326	8.376	VV	7552	189374	27.66%	0.794%
114	8.386	8.376	8.401	VV	6320	88228	12.89%	0.370%
115	8.438	8.401	8.468	VV	8958	276632	40.41%	1.160%
116	8.506	8.468	8.529	VV	15749	302940	44.25%	1.270%
117	8.569	8.529	8.580	VV	9641	219925	32.12%	0.922%
118	8.597	8.580	8.622	VV	16397	249974	36.51%	1.048%
119	8.635	8.622	8.652	VV	5128	84927	12.41%	0.356%
120	8.670	8.652	8.694	VV	6900	132476	19.35%	0.555%
121	8.738	8.694	8.756	VV	5784	179522	26.22%	0.753%
122	8.771	8.756	8.780	VV	4925	69168	10.10%	0.290%
123	8.793	8.780	8.807	VV	5397	80644	11.78%	0.338%
124	8.821	8.807	8.873	VV	5050	184303	26.92%	0.773%
125	8.907	8.873	8.931	VV	4808	145230	21.21%	0.609%
126	8.961	8.931	8.987	VV	5184	140800	20.57%	0.590%
127	9.003	8.987	9.055	VV	3917	138730	20.26%	0.582%
128	9.081	9.055	9.101	VV	4108	96585	14.11%	0.405%
129	9.113	9.101	9.131	VV	3720	63580	9.29%	0.267%
130	9.177	9.131	9.213	VV	4977	184862	27.00%	0.775%
131	9.253	9.213	9.290	VV	6777	196281	28.67%	0.823%
132	9.333	9.290	9.358	VV	5404	154587	22.58%	0.648%
133	9.368	9.358	9.382	VV	3039	42165	6.16%	0.177%
134	9.414	9.382	9.458	VV	4067	142602	20.83%	0.598%
135	9.501	9.480	9.541	VV	2622	87659	12.80%	0.367%
136	9.569	9.541	9.587	VV	2646	68594	10.02%	0.288%
137	9.612	9.587	9.644	VV	3611	99823	14.58%	0.418%
138	9.658	9.644	9.678	VV	2820	52907	7.73%	0.222%
139	9.714	9.678	9.749	VV	2650	107839	15.75%	0.452%
140	9.759	9.749	9.803	VV	2688	75744	11.06%	0.317%
141	9.827	9.803	9.857	VV	2166	66408	9.70%	0.278%

142	9.884	9.857	9.914	VV	2312	72782	10.63%	0.305%
143	9.928	9.914	9.971	VV	2151	66313	9.69%	0.278%
144	9.982	9.971	9.987	VV	1800	16888	2.47%	0.071%
145	9.998	9.987	10.014	VV	1953	29908	4.37%	0.125%
146	10.044	10.014	10.078	VV	6195	134796	19.69%	0.565%
147	10.119	10.078	10.166	VV	2115	102815	15.02%	0.431%
148	10.187	10.166	10.211	VV	2077	46496	6.79%	0.195%
149	10.223	10.211	10.263	VV	1664	47404	6.92%	0.199%
150	10.323	10.263	10.358	VV	1923	93579	13.67%	0.392%
151	10.366	10.358	10.371	VV	1750	13666	2.00%	0.057%
152	10.389	10.371	10.426	VV	1854	55820	8.15%	0.234%
153	10.466	10.426	10.497	VV	7703	152763	22.31%	0.640%
154	10.508	10.497	10.550	VV	1838	48756	7.12%	0.204%
155	10.581	10.550	10.600	VV	1501	41169	6.01%	0.173%
156	10.617	10.600	10.628	VV	1427	23271	3.40%	0.098%
157	10.655	10.628	10.708	VV	1495	63260	9.24%	0.265%
158	10.733	10.708	10.754	VV	1464	37559	5.49%	0.157%
159	10.787	10.754	10.818	VV	1942	55331	8.08%	0.232%
160	10.897	10.888	10.911	VV	1182	16005	2.34%	0.067%
161	10.950	10.938	10.991	VV	1199	35451	5.18%	0.149%
162	11.089	11.071	11.126	VV	1402	39034	5.70%	0.164%
163	11.141	11.126	11.148	VV	1130	13876	2.03%	0.058%
164	11.185	11.148	11.225	VV	3392	79173	11.56%	0.332%
165	11.248	11.225	11.258	VV	1051	19410	2.84%	0.081%
166	11.266	11.258	11.303	VV	922	23532	3.44%	0.099%
167	11.533	11.513	11.543	VV	804	14041	2.05%	0.059%
168	11.558	11.543	11.596	VV	820	25634	3.74%	0.107%
169	11.603	11.596	11.627	VV	836	14320	2.09%	0.060%
170	11.642	11.627	11.674	VV	847	22088	3.23%	0.093%
171	11.692	11.674	11.711	VV	843	17131	2.50%	0.072%
172	11.741	11.711	11.812	VV	1366	52853	7.72%	0.222%
173	11.821	11.812	11.853	VV	674	15647	2.29%	0.066%
174	11.879	11.853	11.888	VV	772	14506	2.12%	0.061%
175	11.894	11.888	11.933	VV	748	17102	2.50%	0.072%
176	12.074	12.055	12.121	VV	703	23894	3.49%	0.100%
177	12.129	12.121	12.151	VV	635	10705	1.56%	0.045%
178	12.161	12.151	12.174	VV	596	7411	1.08%	0.031%
179	12.180	12.174	12.208	VV	567	9738	1.42%	0.041%
180	12.336	12.292	12.377	VV	672	26127	3.82%	0.110%
181	12.401	12.377	12.449	VV	849	23342	3.41%	0.098%
182	12.461	12.449	12.492	VV	456	10357	1.51%	0.043%
183	12.539	12.492	12.595	VV	453	21366	3.12%	0.090%
184	12.601	12.595	12.611	VV	323	2278	0.33%	0.010%
185	12.636	12.611	12.668	VV	288	8408	1.23%	0.035%
186	12.679	12.668	12.738	VV	359	10667	1.56%	0.045%
187	12.752	12.738	12.778	VV	373	7054	1.03%	0.030%
188	12.841	12.778	13.002	VV	50381	684610	100.00%	2.870%
189	13.017	13.002	13.048	VV	464	9754	1.42%	0.041%
190	13.058	13.048	13.071	VV	321	3842	0.56%	0.016%
191	13.087	13.071	13.101	VV	323	4733	0.69%	0.020%
192	13.110	13.101	13.121	VV	267	2771	0.40%	0.012%
193	13.234	13.214	13.264	VV	334	6791	0.99%	0.028%
194	13.682	13.671	13.692	VV	137	1591	0.23%	0.007%

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195	13.701	13.692	13.744	VV	155	3425	0.50%	0.014%
196	13.826	13.804	13.868	VV	235	4750	0.69%	0.020%
197	13.881	13.868	13.894	VV	131	1417	0.21%	0.006%
198	14.263	14.245	14.291	VV	190	2840	0.41%	0.012%
199	14.411	14.404	14.454	VV	104	1396	0.20%	0.006%
200	14.482	14.454	14.491	PV	109	1074	0.16%	0.005%
201	14.655	14.608	14.673	VV	291	4990	0.73%	0.021%
202	14.759	14.751	14.811	VV	123	3090	0.45%	0.013%
203	14.872	14.864	14.912	VV	80	1716	0.25%	0.007%
204	15.040	15.025	15.089	VV	160	3986	0.58%	0.017%
205	15.119	15.089	15.143	VV	171	3350	0.49%	0.014%
206	15.581	15.574	15.634	VV	172	3064	0.45%	0.013%
207	15.717	15.634	15.774	PV	1321	26697	3.90%	0.112%
208	15.858	15.855	15.875	M	204	352	0.05%	0.001%
209	15.932	15.916	15.941	VV	126	997	0.15%	0.004%
210	16.026	15.941	16.054	VV	182	5693	0.83%	0.024%
211	16.068	16.054	16.104	VV	159	2424	0.35%	0.010%
212	16.137	16.104	16.170	PV	127	2802	0.41%	0.012%
213	16.198	16.170	16.264	VV	1302	21094	3.08%	0.088%
214	16.295	16.264	16.319	VV	159	2005	0.29%	0.008%
215	16.335	16.319	16.345	VV	130	1025	0.15%	0.004%
216	16.388	16.345	16.397	VV	131	2042	0.30%	0.009%
217	16.426	16.397	16.438	VV	151	2304	0.34%	0.010%
218	16.449	16.438	16.465	VV	162	1797	0.26%	0.008%
219	16.571	16.465	16.606	PV	174	8675	1.27%	0.036%
220	16.663	16.606	16.714	VV	2081	37249	5.44%	0.156%
221	16.724	16.714	16.764	VV	205	2899	0.42%	0.012%
222	16.830	16.764	16.843	PV	158	3474	0.51%	0.015%
223	16.925	16.843	16.938	VV	151	4751	0.69%	0.020%
224	16.951	16.938	16.978	VV	235	3175	0.46%	0.013%
225	17.003	16.978	17.030	VV	167	2903	0.42%	0.012%
226	17.047	17.030	17.076	VV	155	2269	0.33%	0.010%
227	17.113	17.076	17.198	VV	2209	36639	5.35%	0.154%
228	17.222	17.198	17.260	VV	175	3121	0.46%	0.013%
229	17.286	17.260	17.334	VV	141	2650	0.39%	0.011%
230	17.385	17.334	17.414	PV	188	3948	0.58%	0.017%
231	17.550	17.414	17.591	PV	2729	47307	6.91%	0.198%
232	17.672	17.591	17.689	VV	291	9107	1.33%	0.038%
233	17.738	17.689	17.754	VV	191	5995	0.88%	0.025%
234	17.822	17.754	17.838	VV	318	8376	1.22%	0.035%
235	17.844	17.838	17.856	VV	273	2541	0.37%	0.011%
236	17.874	17.856	17.897	VV	308	3987	0.58%	0.017%
237	17.909	17.897	17.918	VV	128	1376	0.20%	0.006%
238	17.971	17.918	18.011	VV	2581	43467	6.35%	0.182%
239	18.038	18.011	18.061	VV	328	6399	0.93%	0.027%
240	18.071	18.061	18.082	VV	168	1218	0.18%	0.005%
241	18.139	18.082	18.150	VV	148	3449	0.50%	0.014%
242	18.234	18.150	18.254	PV	252	6081	0.89%	0.025%
243	18.283	18.254	18.295	VV	152	2156	0.31%	0.009%
244	18.381	18.295	18.424	PV	2702	43561	6.36%	0.183%
245	18.578	18.424	18.589	VV	128	11242	1.64%	0.047%
246	18.638	18.589	18.654	PV	272	4278	0.62%	0.018%

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247	18.777	18.654	18.810	PV	2033	35813	5.23%	0.150%
248	19.075	18.810	19.087	VV	538	45179	6.60%	0.189%
249	19.162	19.087	19.192	VV	2449	54365	7.94%	0.228%
250	19.261	19.192	19.270	VV	497	21804	3.18%	0.091%
251	19.449	19.270	19.460	VV	815	63604	9.29%	0.267%
252	19.537	19.460	19.570	VV	2129	75416	11.02%	0.316%
253	19.591	19.570	19.600	VV	1065	18512	2.70%	0.078%
254	19.902	19.600	19.931	VV	3232	324709	47.43%	1.361%
255	20.261	19.931	20.280	VV	4530	647852	94.63%	2.716%
256	22.204	22.107	22.280	VV	692	34834	5.09%	0.146%

Sum of corrected areas: 23856319

Aliphatic EPH 012425.M Mon Feb 10 23:58:10 2025

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC012425AL

AreaCount

Parameter Range	FC068103.D	FC068104.D	FC068105.D	FC068106.D	FC068107.D	
Aliphatic C9-C12	39119921.000	19595370.000	8560674.000	4475977.000	2092923.000	
Aliphatic C12-C16	26002482.000	13035277.000	5712859.000	2968256.000	1369659.000	
Aliphatic C16-C21	37691789.000	18971800.000	8404107.000	4402241.000	2042530.000	
Aliphatic C21-C28	46742612.000	23877310.000	10488572.000	5543696.000	2601900.000	
Aliphatic C28-C40	54828663.000	28773658.000	12627086.000	6741853.000	3399332.000	
Aliphatic EPH	204385467.000	104253415.000	45793298.000	24132023.000	11506344.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138488.1739998	5.827				
Aliphatic C12-C16	137713.071	5.793				
Aliphatic C16-C21	135019.2893328	6.678				
Aliphatic C21-C28	127207.526	7.047				
Aliphatic C28-C40	103638.8596662	9.431				
Aliphatic EPH	123700.6552216	7.023				

Concentration

Parameter Range	FC068103.D	FC068104.D	FC068105.D	FC068106.D	FC068107.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	FC068103.D	FC068104.D	FC068105.D	FC068106.D	FC068107.D	
Aliphatic C9-C12	130399.736666	130635.800000	142677.900000	149199.233333	139528.200000	
Aliphatic C12-C16	130012.410000	130352.770000	142821.475000	148412.800000	136965.900000	
Aliphatic C16-C21	125639.296666	126478.666666	140068.450000	146741.366666	136168.666666	

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

Inital Calibration Report for SequenceID : FC012425AL

Aliphatic C21-C28	116856.530000	119386.550000	131107.150000	138592.400000	130095.000000	
Aliphatic C28-C40	91381.105000	95912.193333	105225.716666	112364.216666	113311.066666	
Aliphatic EPH	113547.481666	115837.127777	127203.605555	134066.794444	127848.266666	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068103.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 08:47
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: Jan 25 04:21:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 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)	11.437	14573832	90.197 ug/ml
Spiked Amount	50.000		Recovery =	180.39%
12)	S 1-chlorooctadecane (S...	12.874	10772279	90.162 ug/ml
Spiked Amount	50.000		Recovery =	180.32%
	Target Compounds			
1)	T n-Nonane (C9)	3.236	12896666	91.779 ug/ml
2)	T n-Decane (C10)	4.295	13082082	91.420 ug/ml
3)	T A~Naphthalene (C11.7)	5.865	14453299	92.959 ug/ml
4)	T n-Dodecane (C12)	6.306	13141173	90.994 ug/ml
5)	T A~2-methylnaphthalene...	6.919	14003977	93.520 ug/ml
6)	T n-Tetradecane (C14)	8.094	12889444	91.139 ug/ml
7)	T n-Hexadecane (C16)	9.690	13113038	90.926 ug/ml
8)	T n-Octadecane (C18)	11.130	13072737	89.981 ug/ml
10)	T n-Eicosane (C20)	12.434	12431492	89.576 ug/ml
11)	T n-Heneicosane (C21)	13.044	12187560	89.521 ug/ml
13)	T n-Docosane (C22)	13.628	12054623	90.262 ug/ml
14)	T n-Tetracosane (C24)	14.728	11873929	89.419 ug/ml
15)	T n-Hexacosane (C26)	15.746	11563228	88.873 ug/ml
16)	T n-Octacosane (C28)	16.694	11250832	87.913 ug/ml
17)	T n-Tricontane (C30)	17.581	11253721	85.521 ug/ml
18)	T n-Dotriacontane (C32)	18.410	10723134	84.881 ug/ml
19)	T n-Tetratriacontane (C34)	19.191	9454823	86.012 ug/ml
20)	T n-Hexatriacontane (C36)	19.928	8235414	87.729 ug/ml
21)	T n-Octatriacontane (C38)	20.642	7745753	88.219 ug/ml
22)	T n-Tetracontane (C40)	21.501	7415818	90.622 ug/ml

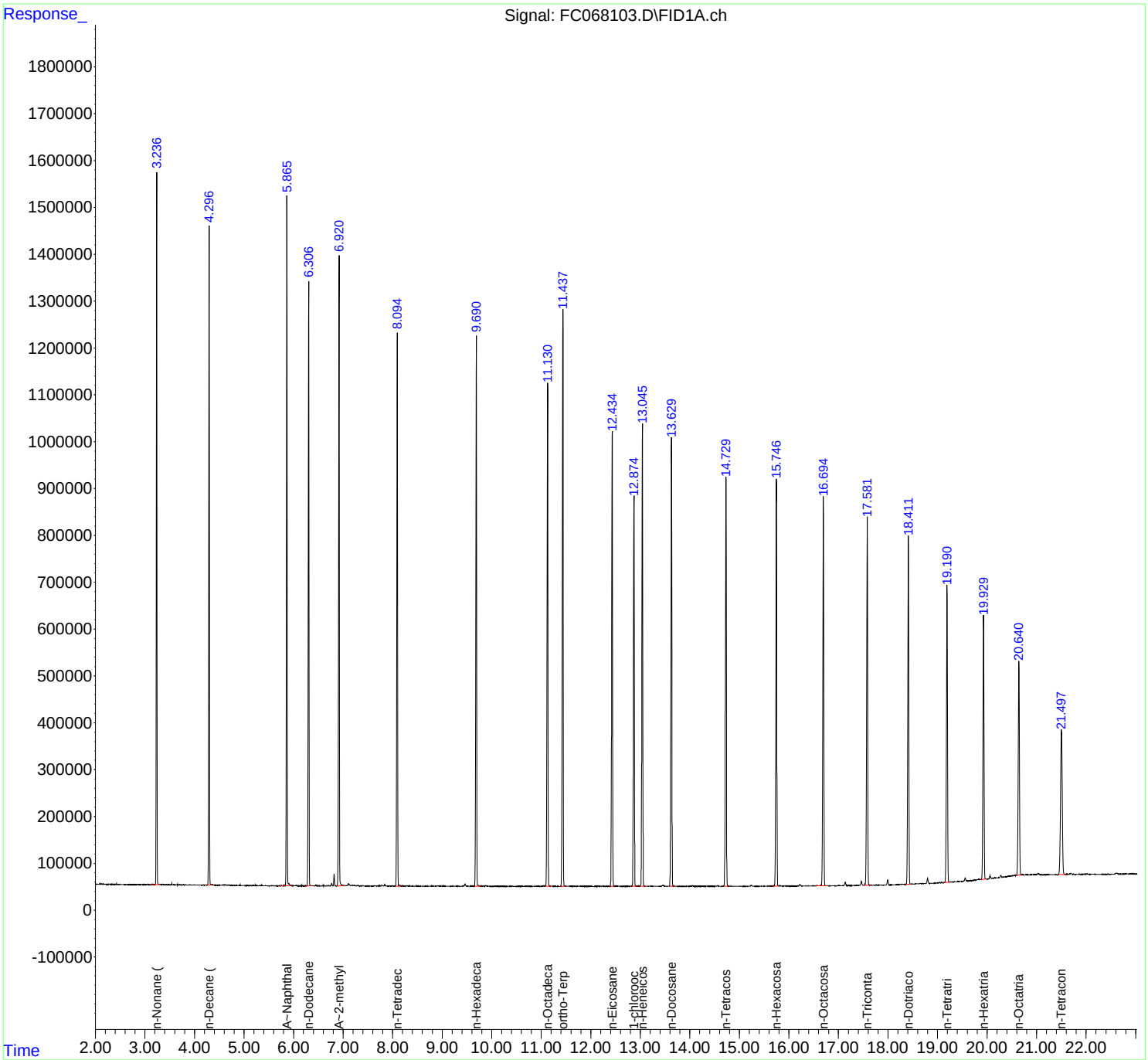
(f)=RT Delta > 1/2 Window (m)=manual int.

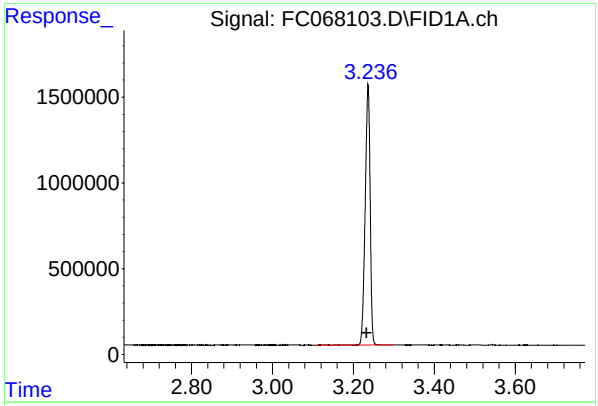
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068103.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 08:47
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jan 25 04:21:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

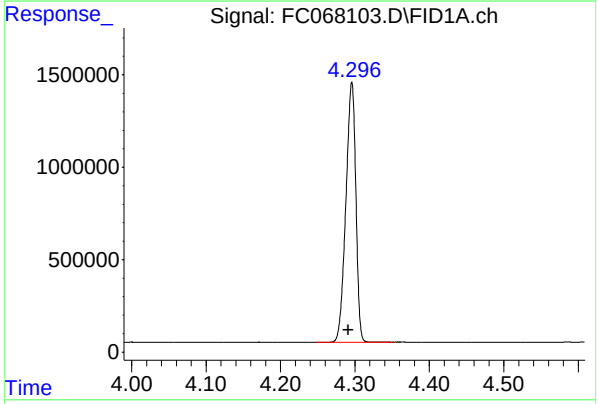




#1 n-Nonane (C9)

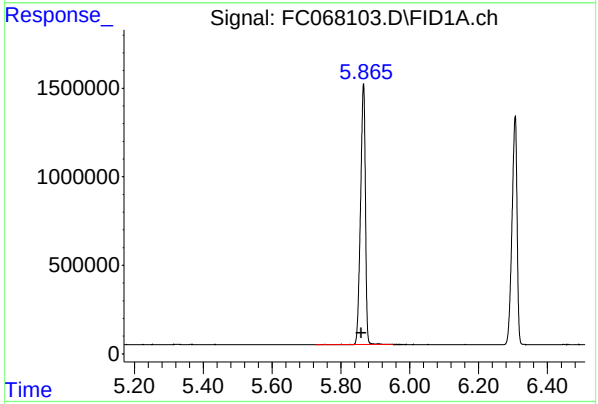
R.T.: 3.236 min
Delta R.T.: 0.003 min
Response: 12896666
Conc: 91.78 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



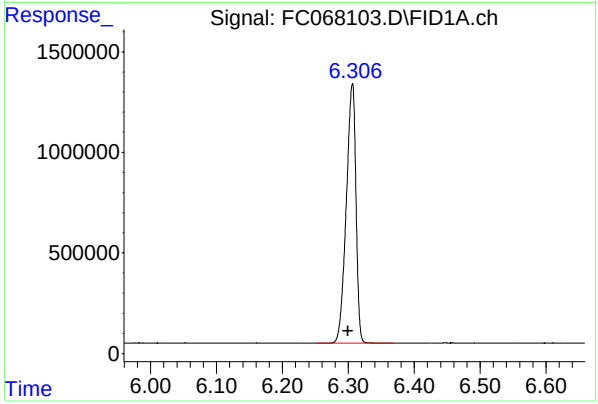
#2 n-Decane (C10)

R.T.: 4.295 min
Delta R.T.: 0.004 min
Response: 13082082
Conc: 91.42 ug/ml



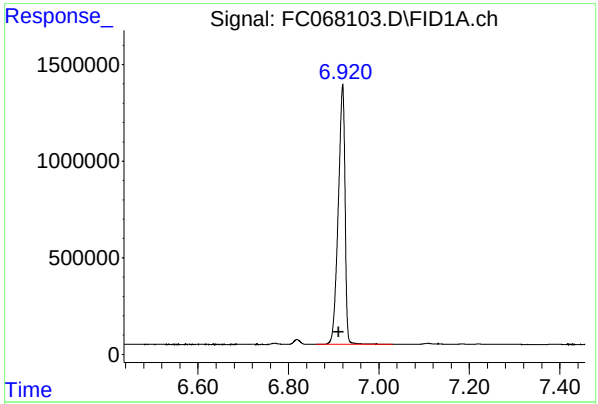
#3 A~Naphthalene (C11.7)

R.T.: 5.865 min
Delta R.T.: 0.006 min
Response: 14453299
Conc: 92.96 ug/ml



#4 n-Dodecane (C12)

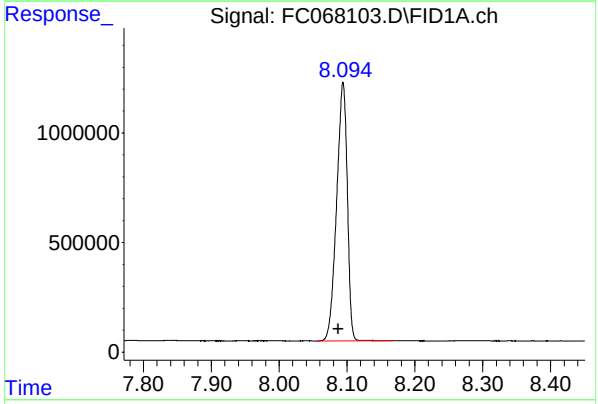
R.T.: 6.306 min
Delta R.T.: 0.006 min
Response: 13141173
Conc: 90.99 ug/ml



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

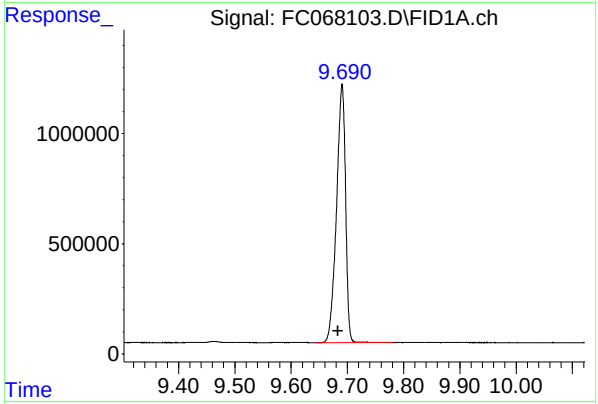
R.T.: 6.919 min
Delta R.T.: 0.008 min
Response: 14003977
Conc: 93.52 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



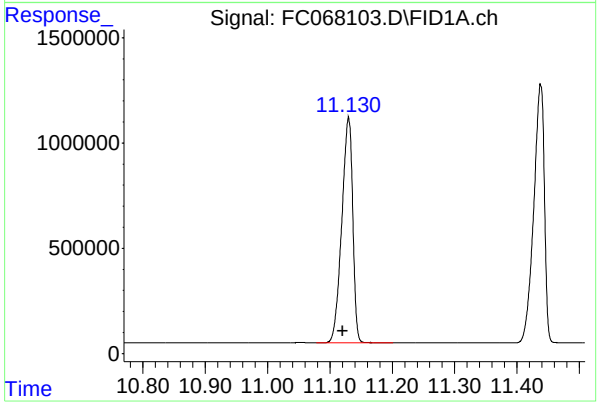
#6 n-Tetradecane (C14)

R.T.: 8.094 min
Delta R.T.: 0.007 min
Response: 12889444
Conc: 91.14 ug/ml



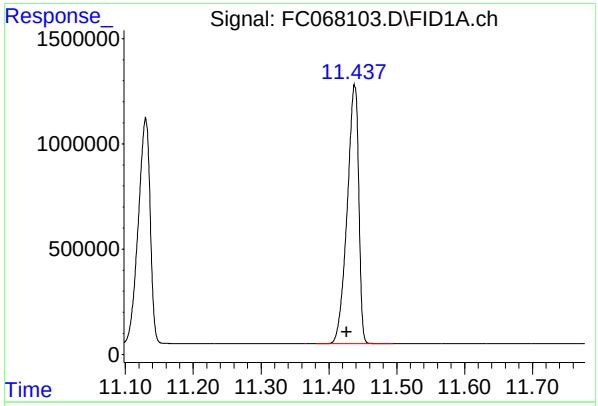
#7 n-Hexadecane (C16)

R.T.: 9.690 min
Delta R.T.: 0.007 min
Response: 13113038
Conc: 90.93 ug/ml



#8 n-Octadecane (C18)

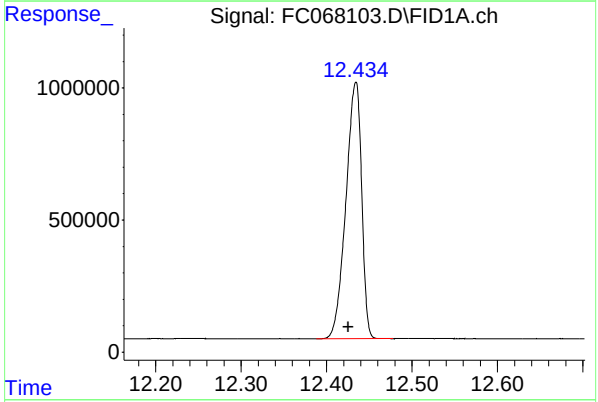
R.T.: 11.130 min
Delta R.T.: 0.009 min
Response: 13072737
Conc: 89.98 ug/ml



#9 ortho-Terphenyl (SURR)

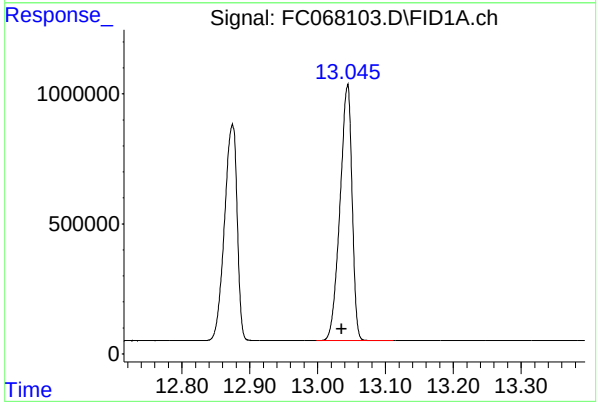
R.T.: 11.437 min
Delta R.T.: 0.011 min
Response: 14573832
Conc: 90.20 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



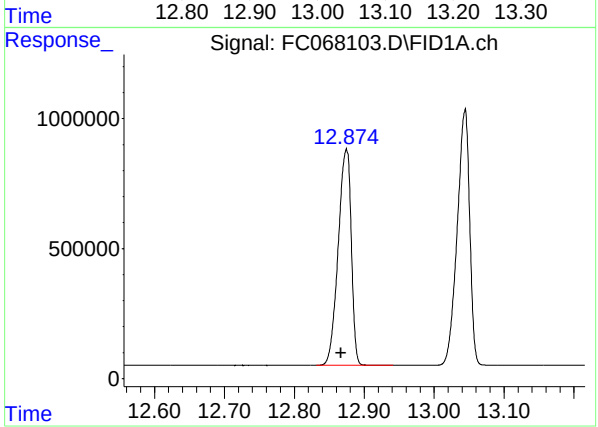
#10 n-Eicosane (C20)

R.T.: 12.434 min
Delta R.T.: 0.008 min
Response: 12431492
Conc: 89.58 ug/ml



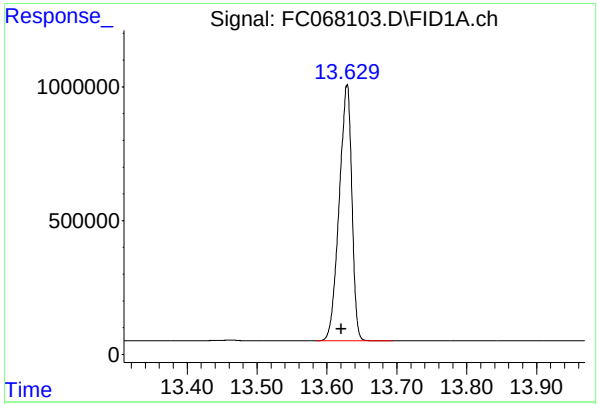
#11 n-Heneicosane (C21)

R.T.: 13.044 min
Delta R.T.: 0.008 min
Response: 12187560
Conc: 89.52 ug/ml



#12 1-chlorooctadecane (SURR)

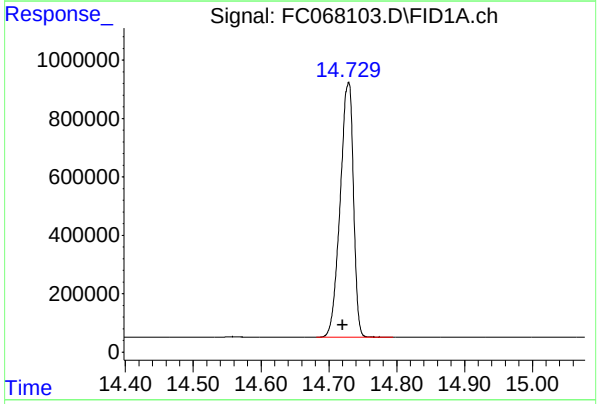
R.T.: 12.874 min
Delta R.T.: 0.007 min
Response: 10772279
Conc: 90.16 ug/ml



#13 n-Docosane (C22)

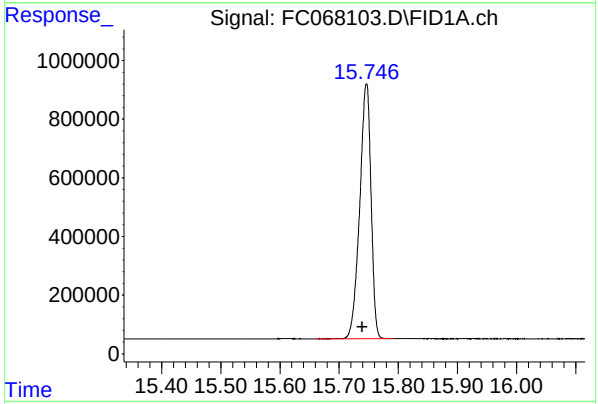
R.T.: 13.628 min
Delta R.T.: 0.008 min
Response: 12054623
Conc: 90.26 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



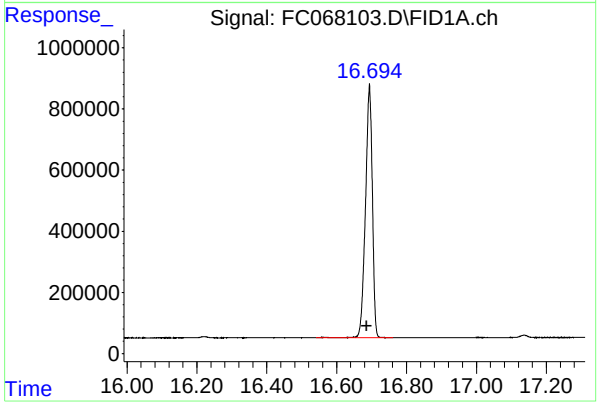
#14 n-Tetracosane (C24)

R.T.: 14.728 min
Delta R.T.: 0.008 min
Response: 11873929
Conc: 89.42 ug/ml



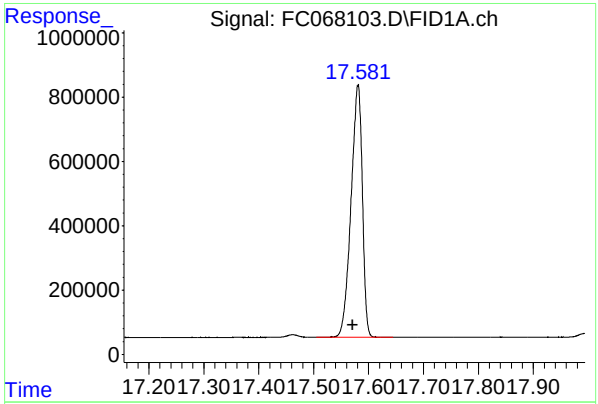
#15 n-Hexacosane (C26)

R.T.: 15.746 min
Delta R.T.: 0.007 min
Response: 11563228
Conc: 88.87 ug/ml



#16 n-Octacosane (C28)

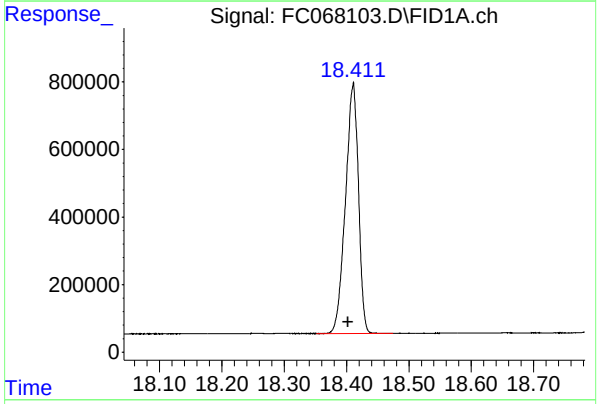
R.T.: 16.694 min
Delta R.T.: 0.008 min
Response: 11250832
Conc: 87.91 ug/ml



#17 n-Tricontane (C30)

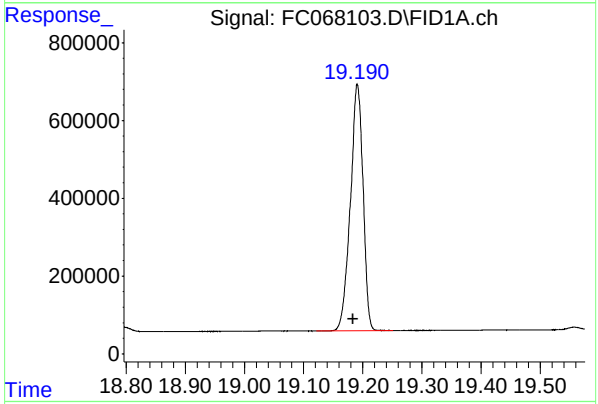
R.T.: 17.581 min
Delta R.T.: 0.009 min
Response: 11253721
Conc: 85.52 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



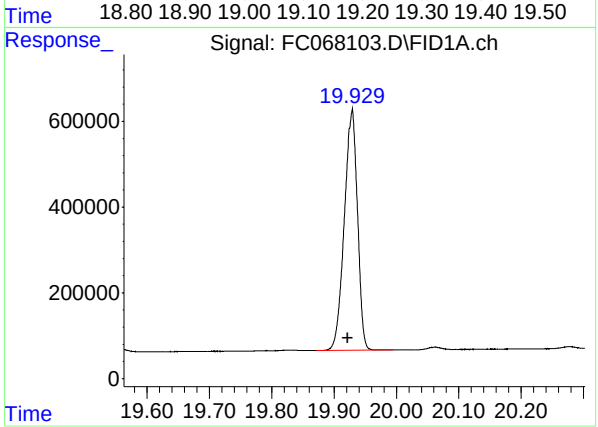
#18 n-Dotriacontane (C32)

R.T.: 18.410 min
Delta R.T.: 0.008 min
Response: 10723134
Conc: 84.88 ug/ml



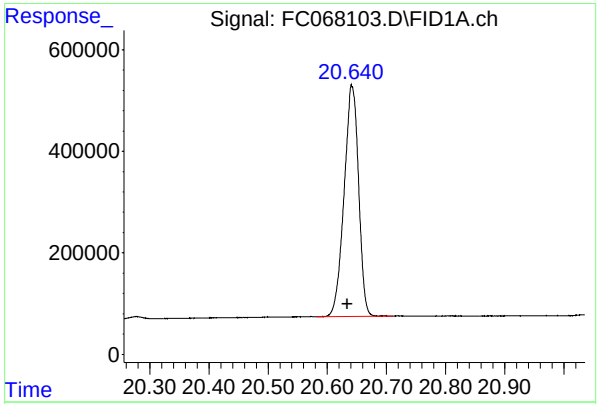
#19 n-Tetratriacontane (C34)

R.T.: 19.191 min
Delta R.T.: 0.008 min
Response: 9454823
Conc: 86.01 ug/ml



#20 n-Hexatriacontane (C36)

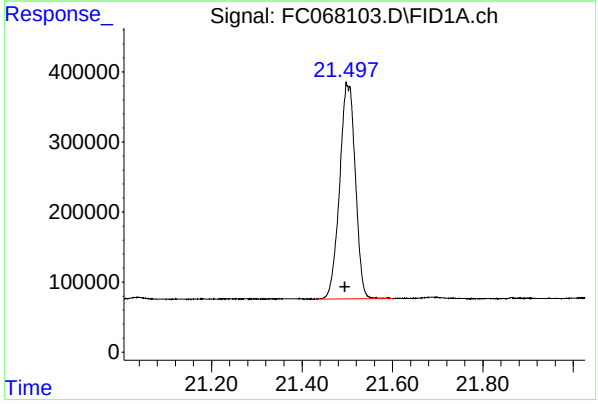
R.T.: 19.928 min
Delta R.T.: 0.006 min
Response: 8235414
Conc: 87.73 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.642 min
Delta R.T.: 0.008 mi
Response: 7745753
Conc: 88.22 ug/m

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.501 min
Delta R.T.: 0.006 min
Response: 7415818
Conc: 90.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068103.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 08:47
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 012425.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	3.236	3.108	3.298	BB	1476777	12896666	88.49%	4.995%
2	4.295	4.248	4.351	BB	1389988	13082082	89.76%	5.067%
3	5.865	5.728	5.951	BB	1463650	14453299	99.17%	5.598%
4	6.306	6.251	6.368	BB	1273767	13141173	90.17%	5.090%
5	6.919	6.861	7.031	BB	1308343	14003977	96.09%	5.424%
6	8.094	8.054	8.168	BB	1186157	12889444	88.44%	4.992%
7	9.690	9.644	9.781	BB	1180215	13113038	89.98%	5.079%
8	11.130	11.078	11.201	BB	1079467	13072737	89.70%	5.063%
9	11.437	11.381	11.494	BB	1234445	14573832	100.00%	5.645%
10	12.434	12.388	12.478	BB	978654	12431492	85.30%	4.815%
11	12.874	12.831	12.941	BB	832699	10772279	73.92%	4.172%
12	13.044	12.998	13.111	BB	991571	12187560	83.63%	4.720%
13	13.628	13.584	13.694	BB	957218	12054623	82.71%	4.669%
14	14.728	14.681	14.794	BB	869860	11873929	81.47%	4.599%
15	15.746	15.661	15.791	BB	868521	11563228	79.34%	4.479%
16	16.694	16.541	16.761	BB	818402	11250832	77.20%	4.358%
17	17.581	17.504	17.644	BB	789424	11253721	77.22%	4.359%
18	18.410	18.351	18.474	BB	740134	10723134	73.58%	4.153%
19	19.191	19.121	19.251	BB	633829	9454823	64.88%	3.662%
20	19.928	19.871	19.994	BB	551088	8235414	56.51%	3.190%
21	20.642	20.581	20.711	BB	456102	7745753	53.15%	3.000%
22	21.501	21.431	21.601	BB	302473	7415818	50.88%	2.872%

Sum of corrected areas: 258188854

Aliphatic EPH 012425.M Sat Jan 25 04:55:10 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068104.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 09:23
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: Jan 25 04:21:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 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)	11.431	7322791	45.321 ug/ml
Spiked Amount	50.000		Recovery =	90.64%
12) S	1-chlorooctadecane (S...	12.869	5415134	45.324 ug/ml
Spiked Amount	50.000		Recovery =	90.65%
	Target Compounds			
1) T	n-Nonane (C9)	3.234	6442775	45.850 ug/ml
2) T	n-Decane (C10)	4.293	6559814	45.841 ug/ml
3) T	A~Naphthalene (C11.7)	5.861	7202894	46.327 ug/ml
4) T	n-Dodecane (C12)	6.301	6592781	45.651 ug/ml
5) T	A~2-methylnaphthalene...	6.914	6965539	46.516 ug/ml
6) T	n-Tetradecane (C14)	8.090	6460619	45.682 ug/ml
7) T	n-Hexadecane (C16)	9.686	6574658	45.589 ug/ml
8) T	n-Octadecane (C18)	11.124	6583402	45.314 ug/ml
10) T	n-Eicosane (C20)	12.428	6256943	45.085 ug/ml
11) T	n-Heneicosane (C21)	13.039	6131455	45.037 ug/ml
13) T	n-Docosane (C22)	13.623	6085749	45.568 ug/ml
14) T	n-Tetracosane (C24)	14.724	6046058	45.531 ug/ml
15) T	n-Hexacosane (C26)	15.743	5918808	45.491 ug/ml
16) T	n-Octacosane (C28)	16.690	5826695	45.529 ug/ml
17) T	n-Tricontane (C30)	17.575	5915990	44.958 ug/ml
18) T	n-Dotriacontane (C32)	18.406	5678551	44.949 ug/ml
19) T	n-Tetratriacontane (C34)	19.187	4970299	45.215 ug/ml
20) T	n-Hexatriacontane (C36)	19.924	4283541	45.631 ug/ml
21) T	n-Octatriacontane (C38)	20.638	4034854	45.955 ug/ml
22) T	n-Tetracontane (C40)	21.498	3890423	47.541 ug/ml

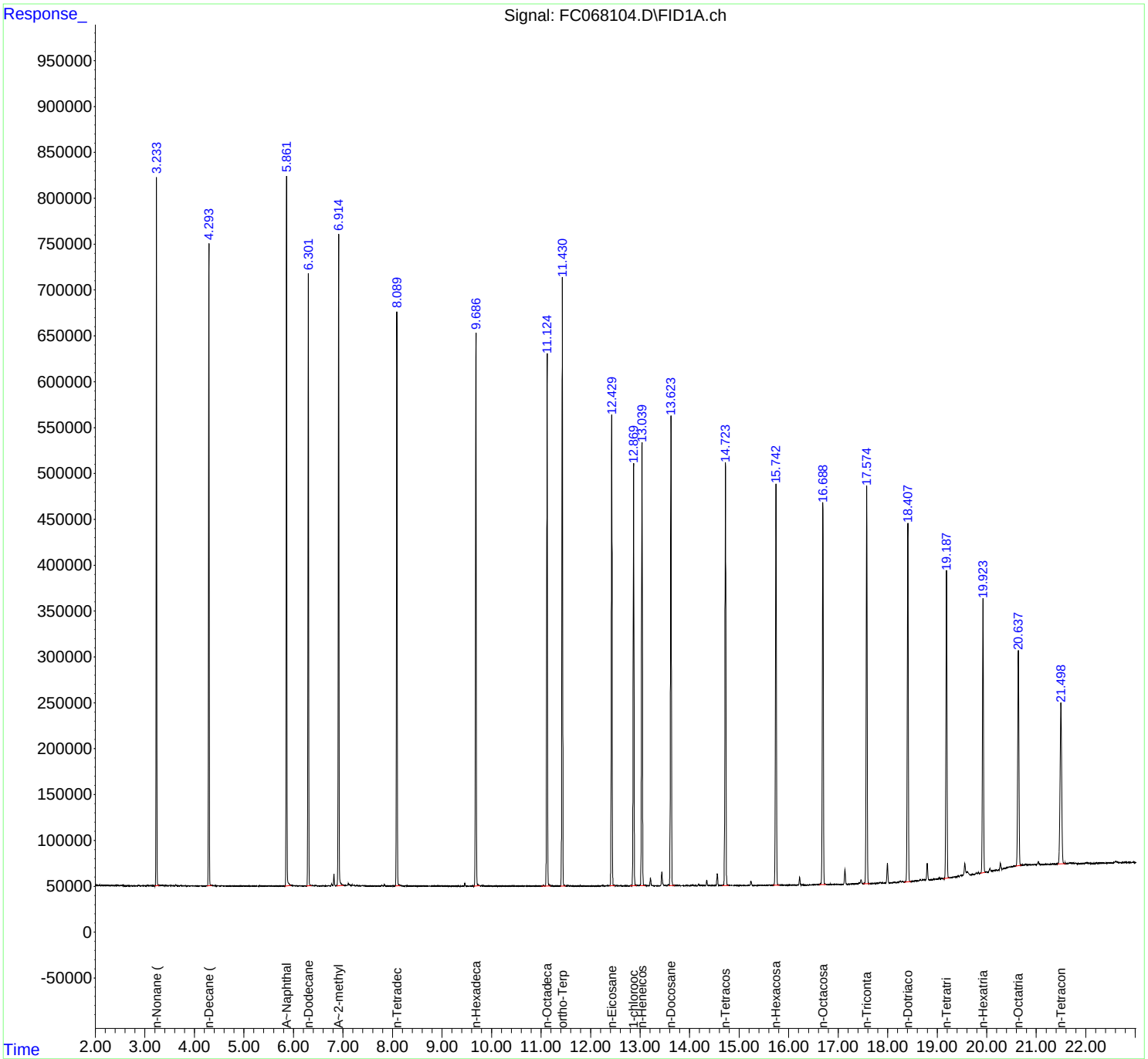
(f)=RT Delta > 1/2 Window (m)=manual int.

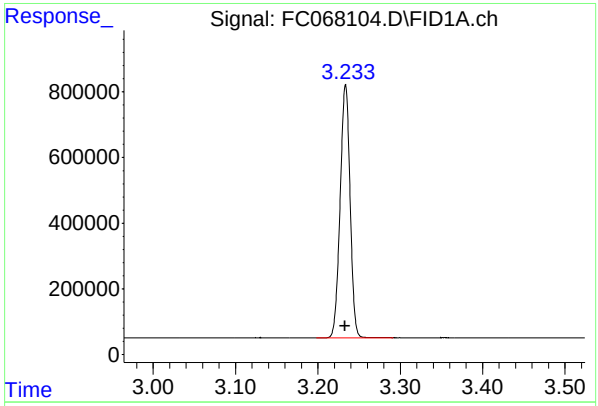
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068104.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 09:23
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jan 25 04:21:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

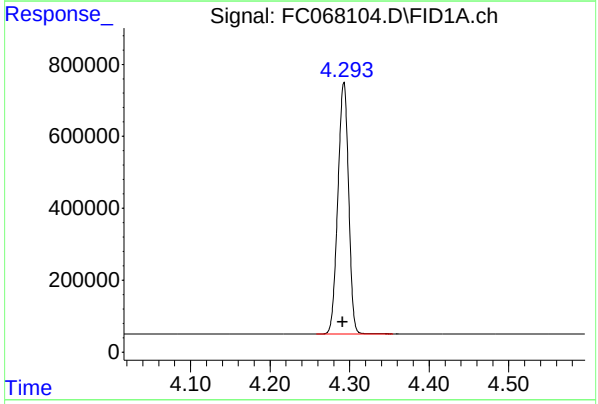




#1 n-Nonane (C9)

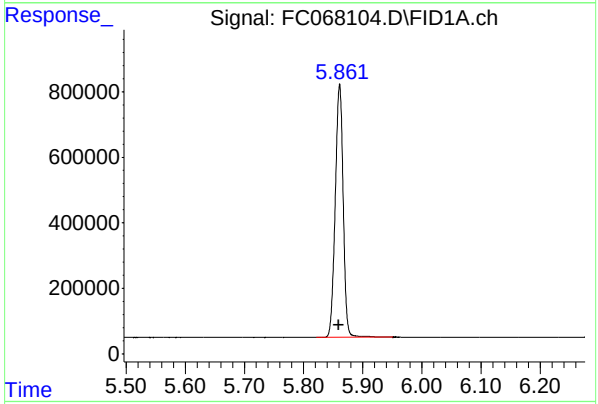
R.T.: 3.234 min
Delta R.T.: 0.000 min
Response: 6442775
Conc: 45.85 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



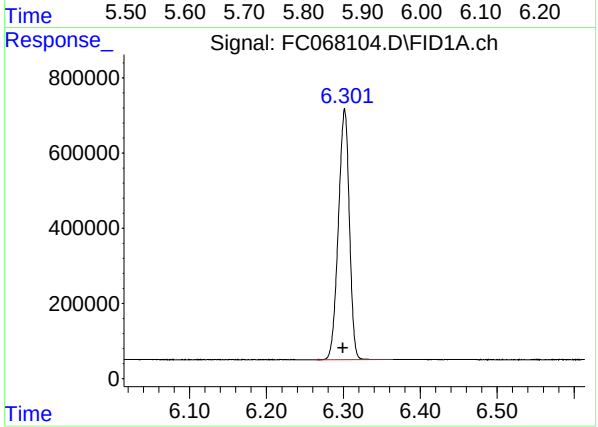
#2 n-Decane (C10)

R.T.: 4.293 min
Delta R.T.: 0.001 min
Response: 6559814
Conc: 45.84 ug/ml



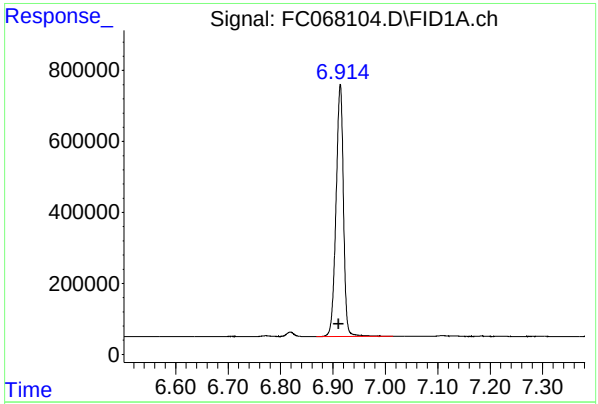
#3 A~Naphthalene (C11.7)

R.T.: 5.861 min
Delta R.T.: 0.002 min
Response: 7202894
Conc: 46.33 ug/ml



#4 n-Dodecane (C12)

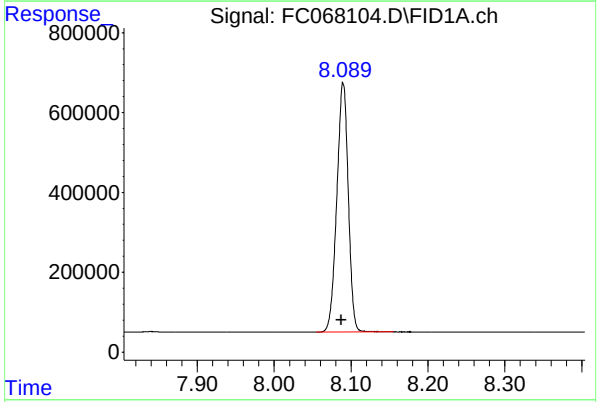
R.T.: 6.301 min
Delta R.T.: 0.002 min
Response: 6592781
Conc: 45.65 ug/ml



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

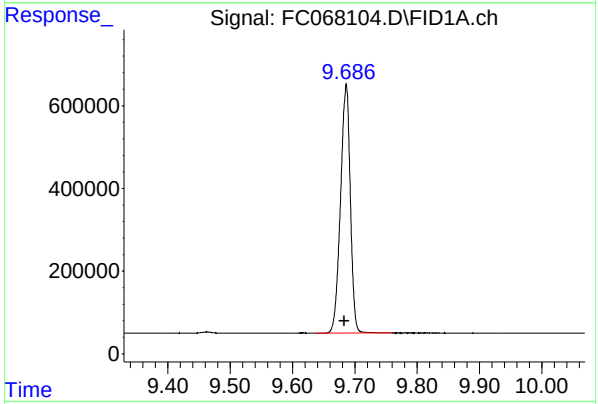
R.T.: 6.914 min
Delta R.T.: 0.003 min
Response: 6965539
Conc: 46.52 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



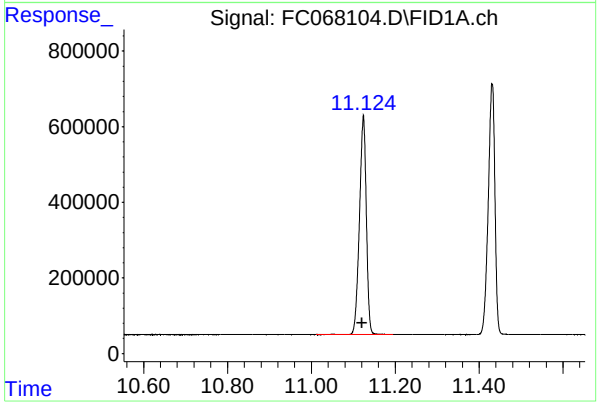
#6 n-Tetradecane (C14)

R.T.: 8.090 min
Delta R.T.: 0.002 min
Response: 6460619
Conc: 45.68 ug/ml



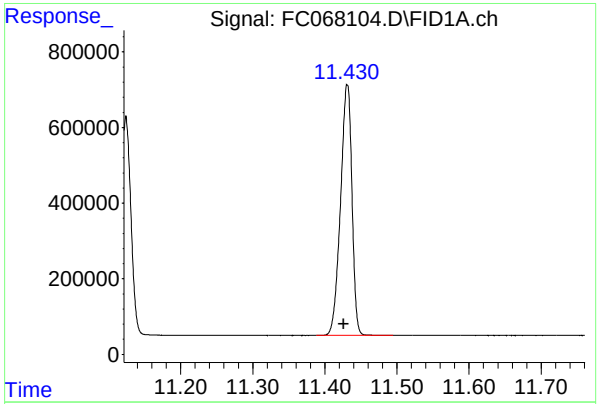
#7 n-Hexadecane (C16)

R.T.: 9.686 min
Delta R.T.: 0.003 min
Response: 6574658
Conc: 45.59 ug/ml



#8 n-Octadecane (C18)

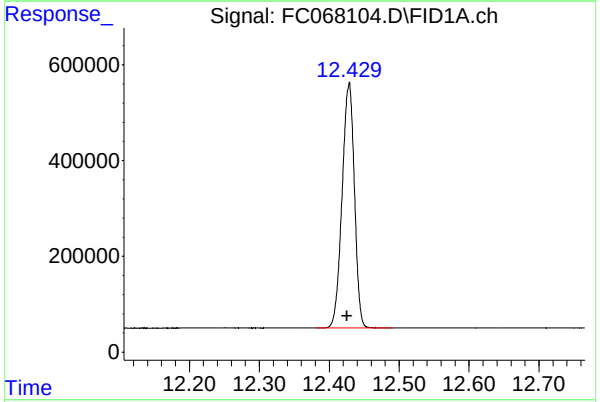
R.T.: 11.124 min
Delta R.T.: 0.003 min
Response: 6583402
Conc: 45.31 ug/ml



#9 ortho-Terphenyl (SURR)

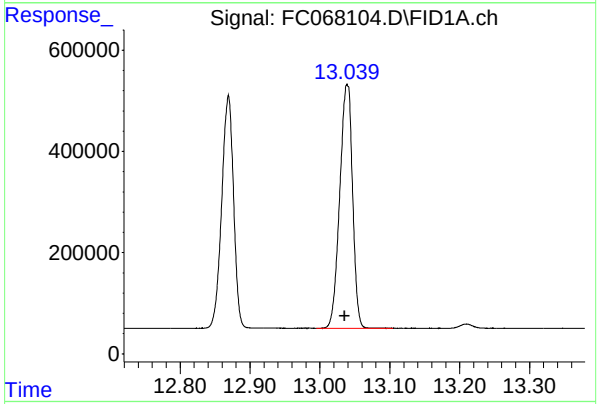
R.T.: 11.431 min
Delta R.T.: 0.005 min
Response: 7322791
Conc: 45.32 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



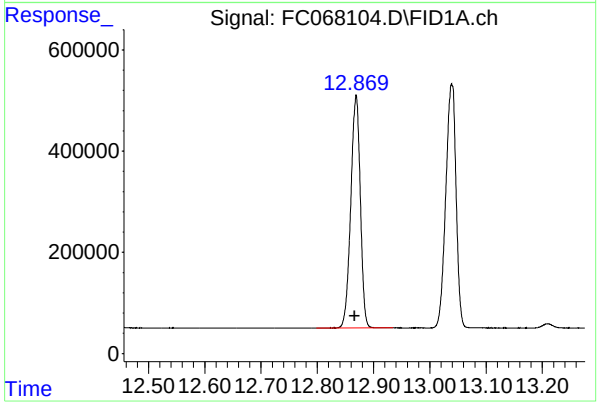
#10 n-Eicosane (C20)

R.T.: 12.428 min
Delta R.T.: 0.003 min
Response: 6256943
Conc: 45.08 ug/ml



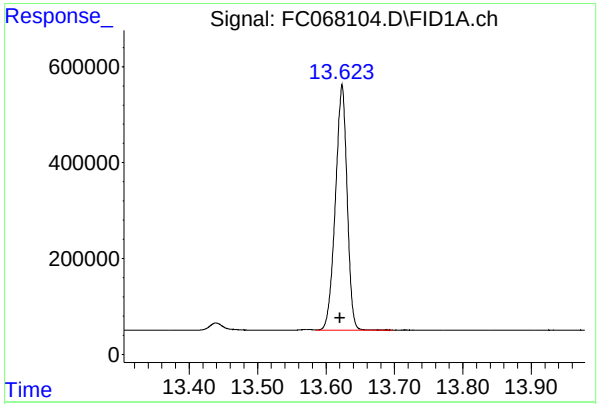
#11 n-Heneicosane (C21)

R.T.: 13.039 min
Delta R.T.: 0.003 min
Response: 6131455
Conc: 45.04 ug/ml



#12 1-chlorooctadecane (SURR)

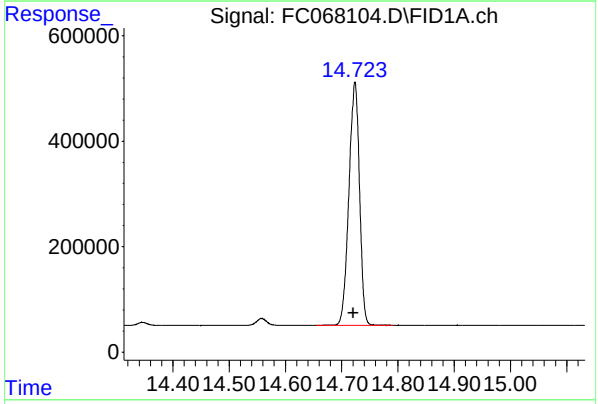
R.T.: 12.869 min
Delta R.T.: 0.002 min
Response: 5415134
Conc: 45.32 ug/ml



#13 n-Docosane (C22)

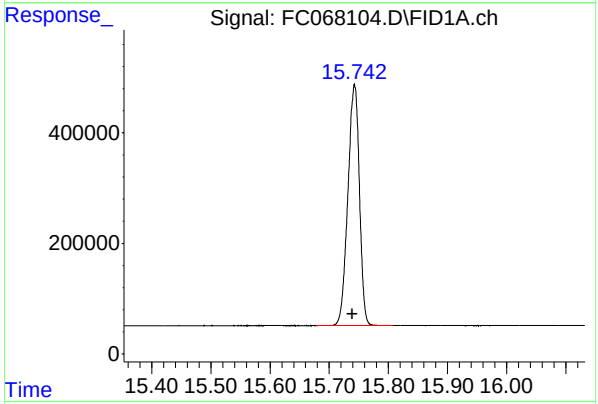
R.T.: 13.623 min
Delta R.T.: 0.003 min
Response: 6085749
Conc: 45.57 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



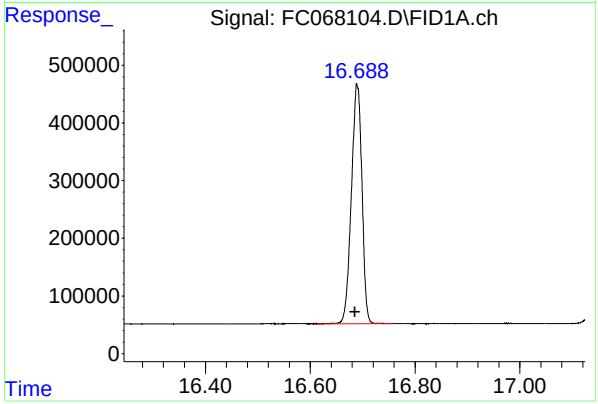
#14 n-Tetracosane (C24)

R.T.: 14.724 min
Delta R.T.: 0.003 min
Response: 6046058
Conc: 45.53 ug/ml



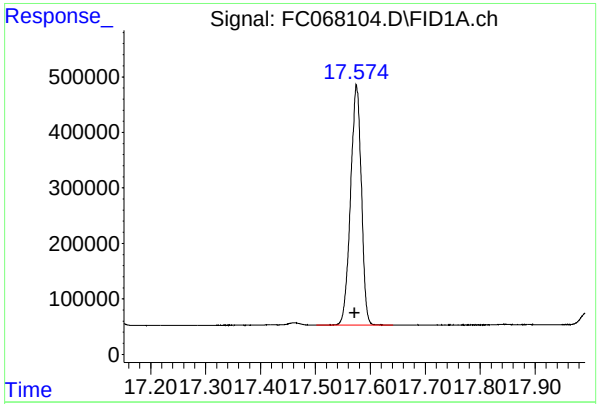
#15 n-Hexacosane (C26)

R.T.: 15.743 min
Delta R.T.: 0.003 min
Response: 5918808
Conc: 45.49 ug/ml



#16 n-Octacosane (C28)

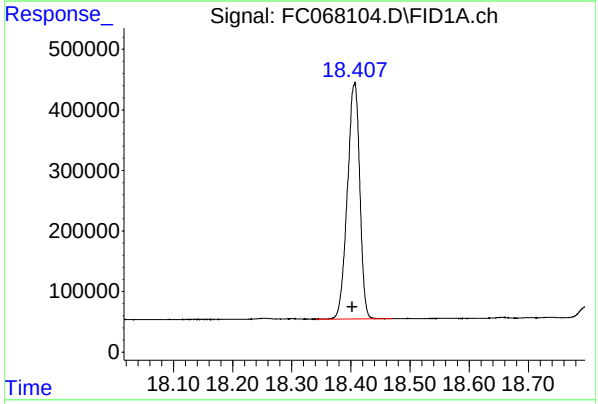
R.T.: 16.690 min
Delta R.T.: 0.004 min
Response: 5826695
Conc: 45.53 ug/ml



#17 n-Tricontane (C30)

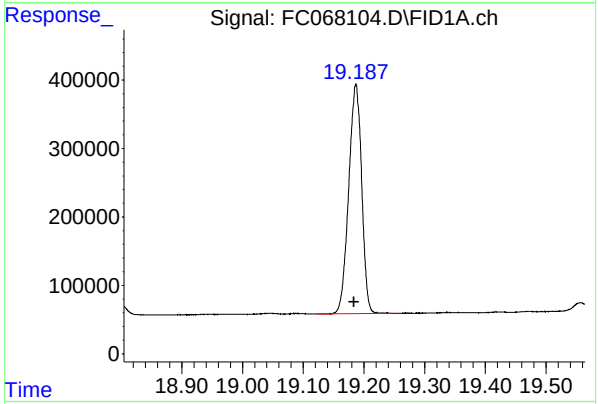
R.T.: 17.575 min
Delta R.T.: 0.004 min
Response: 5915990
Conc: 44.96 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



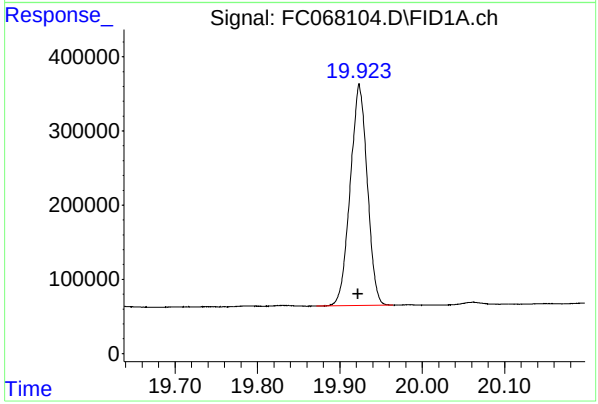
#18 n-Dotriacontane (C32)

R.T.: 18.406 min
Delta R.T.: 0.004 min
Response: 5678551
Conc: 44.95 ug/ml



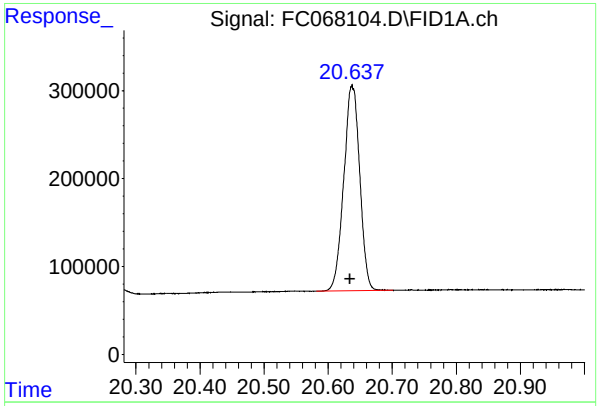
#19 n-Tetratriacontane (C34)

R.T.: 19.187 min
Delta R.T.: 0.003 min
Response: 4970299
Conc: 45.22 ug/ml



#20 n-Hexatriacontane (C36)

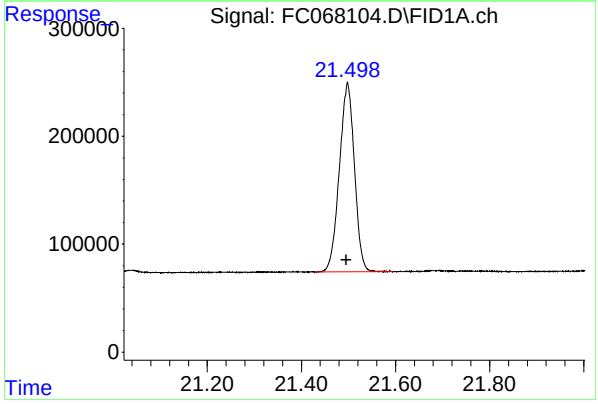
R.T.: 19.924 min
Delta R.T.: 0.002 min
Response: 4283541
Conc: 45.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.638 min
Delta R.T.: 0.003 min
Response: 4034854
Conc: 45.95 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.498 min
Delta R.T.: 0.003 min
Response: 3890423
Conc: 47.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068104.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 09:23
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 012425.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	3.234	3.198	3.291	BB	774278	6442775	87.98%	4.912%
2	4.293	4.258	4.355	BB	693906	6559814	89.58%	5.001%
3	5.861	5.821	5.951	BB	772740	7202894	98.36%	5.492%
4	6.301	6.265	6.365	BB	662417	6592781	90.03%	5.027%
5	6.914	6.868	7.015	BB	713919	6965539	95.12%	5.311%
6	8.090	8.055	8.155	BB	627229	6460619	88.23%	4.926%
7	9.686	9.638	9.761	BB	591032	6574658	89.78%	5.013%
8	11.124	11.011	11.195	BB	577849	6583402	89.90%	5.019%
9	11.431	11.388	11.495	BB	668563	7322791	100.00%	5.583%
10	12.428	12.381	12.491	BB	508780	6256943	85.44%	4.770%
11	12.869	12.798	12.935	BB	454323	5415134	73.95%	4.129%
12	13.039	12.995	13.105	BB	483558	6131455	83.73%	4.675%
13	13.623	13.585	13.698	VB	513190	6085749	83.11%	4.640%
14	14.724	14.655	14.791	BB	462982	6046058	82.56%	4.610%
15	15.743	15.678	15.808	BB	432175	5918808	80.83%	4.513%
16	16.690	16.611	16.758	BB	414810	5826695	79.57%	4.442%
17	17.575	17.501	17.641	BB	432146	5915990	80.79%	4.511%
18	18.406	18.341	18.471	BB	388200	5678551	77.55%	4.329%
19	19.187	19.121	19.248	BB	335389	4970299	67.87%	3.789%
20	19.924	19.871	19.965	BB	294922	4283541	58.50%	3.266%
21	20.638	20.581	20.701	BB	232299	4034854	55.10%	3.076%
22	21.498	21.431	21.595	BB	175086	3890423	53.13%	2.966%

Sum of corrected areas: 131159772

Aliphatic EPH 012425.M Sat Jan 25 04:55:33 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068105.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 09:58
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: Jan 25 04:21:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 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)	11.426	3231539	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.867	2389546	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.233	2810367	20.000 ug/ml
2) T	n-Decane (C10)	4.291	2861961	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.859	3109613	20.000 ug/ml
4) T	n-Dodecane (C12)	6.300	2888346	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.911	2994869	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.087	2828524	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.683	2884335	20.000 ug/ml
8) T	n-Octadecane (C18)	11.120	2905661	20.000 ug/ml
10) T	n-Eicosane (C20)	12.426	2775623	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.035	2722823	20.000 ug/ml
13) T	n-Docosane (C22)	13.620	2671035	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.720	2655805	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.739	2602198	20.000 ug/ml
16) T	n-Octacosane (C28)	16.686	2559534	20.000 ug/ml
17) T	n-Tricontane (C30)	17.571	2631800	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.402	2526641	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.183	2198499	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	19.922	1877473	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.634	1756021	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.495	1636652	20.000 ug/ml

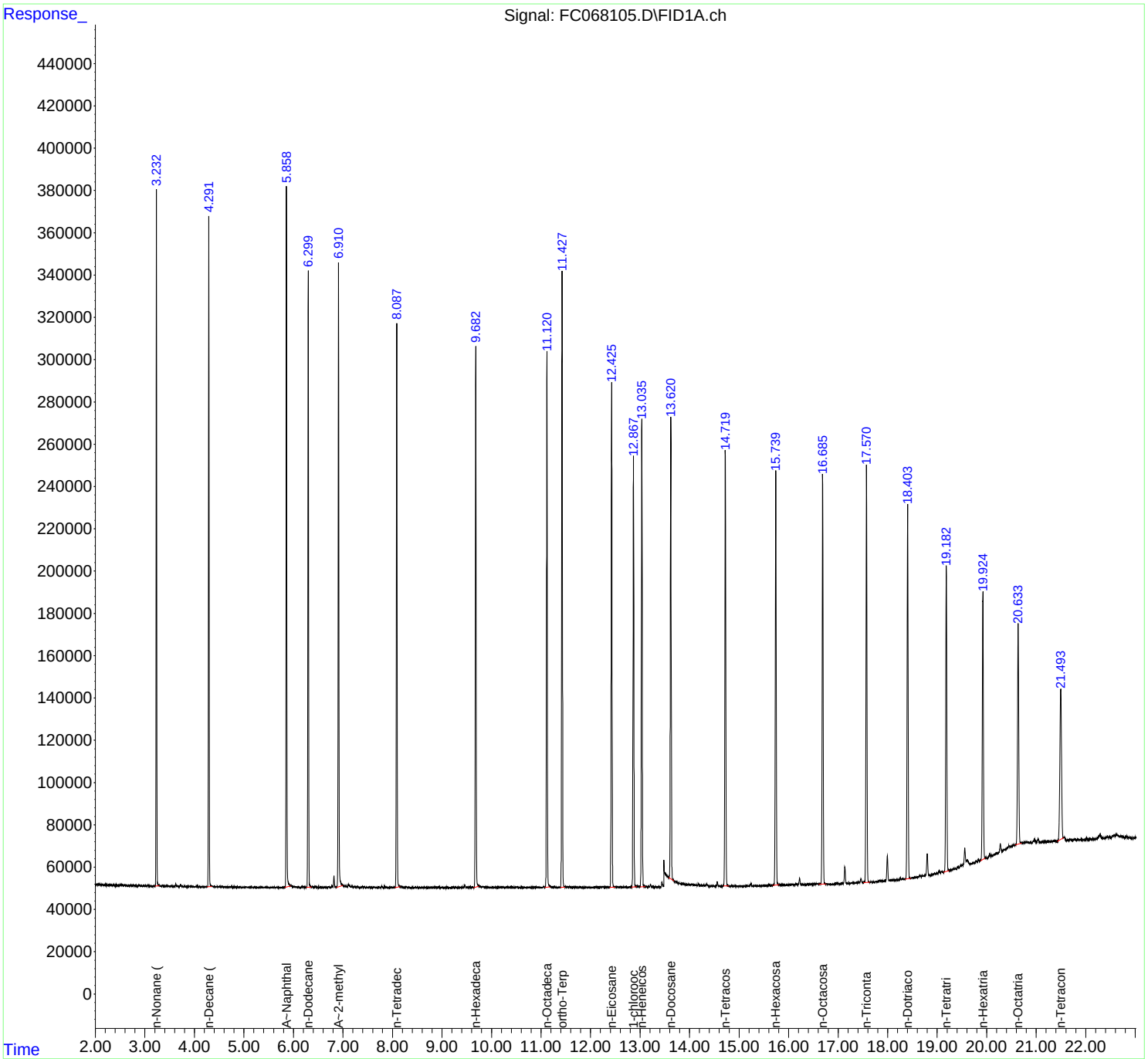
(f)=RT Delta > 1/2 Window (m)=manual int.

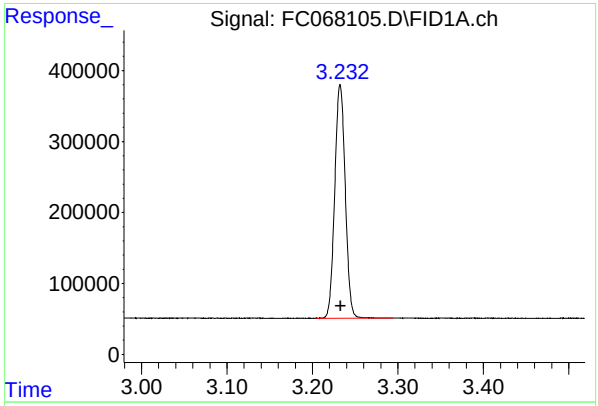
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068105.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 09:58
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jan 25 04:21:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

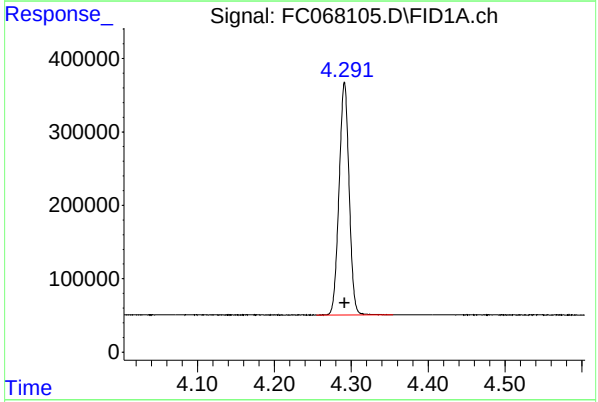




#1 n-Nonane (C9)

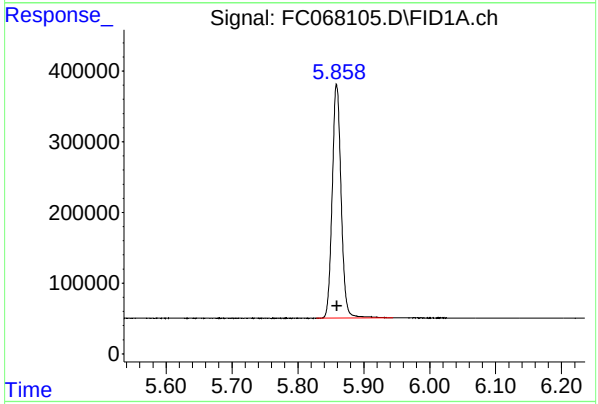
R.T.: 3.233 min
Delta R.T.: 0.000 min
Response: 2810367
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



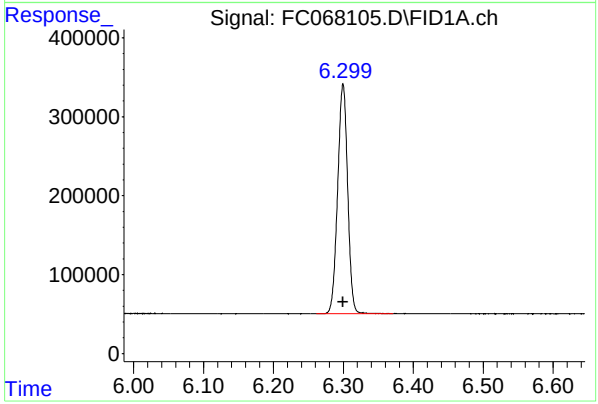
#2 n-Decane (C10)

R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 2861961
Conc: 20.00 ug/ml



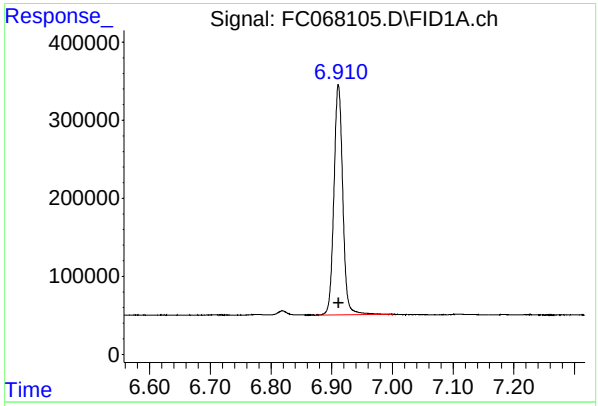
#3 A~Naphthalene (C11.7)

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 3109613
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

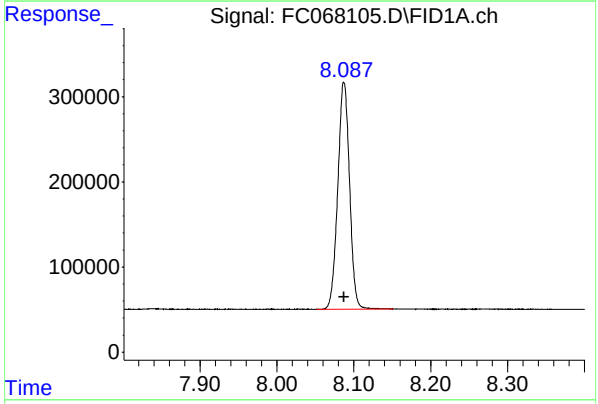
R.T.: 6.300 min
Delta R.T.: 0.000 min
Response: 2888346
Conc: 20.00 ug/ml



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

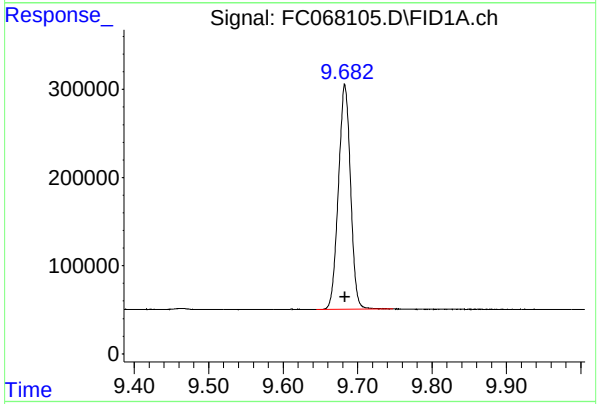
R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 2994869
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



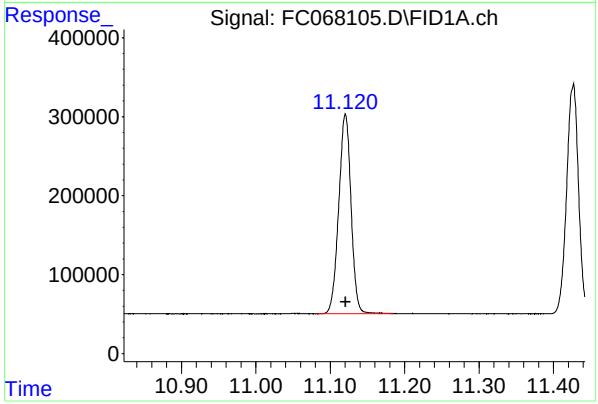
#6 n-Tetradecane (C14)

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 2828524
Conc: 20.00 ug/ml



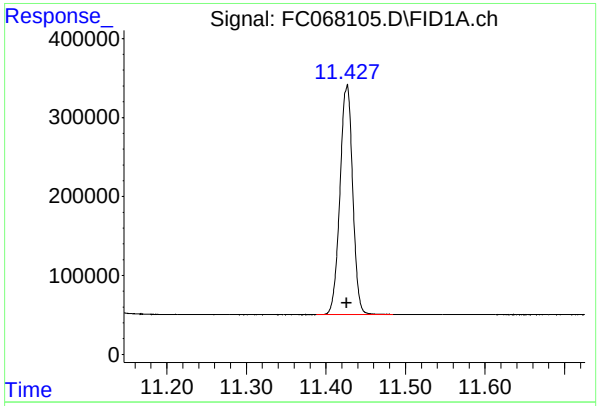
#7 n-Hexadecane (C16)

R.T.: 9.683 min
Delta R.T.: 0.000 min
Response: 2884335
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

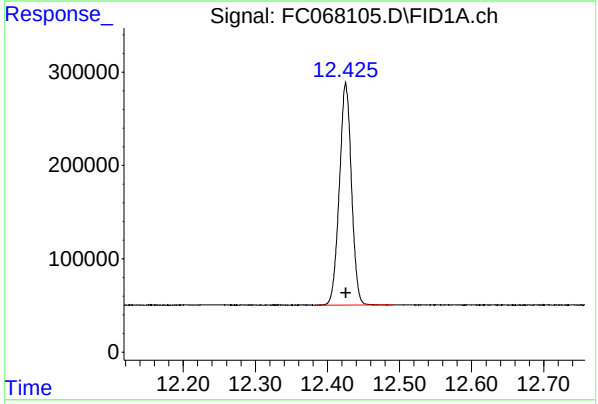
R.T.: 11.120 min
Delta R.T.: 0.000 min
Response: 2905661
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

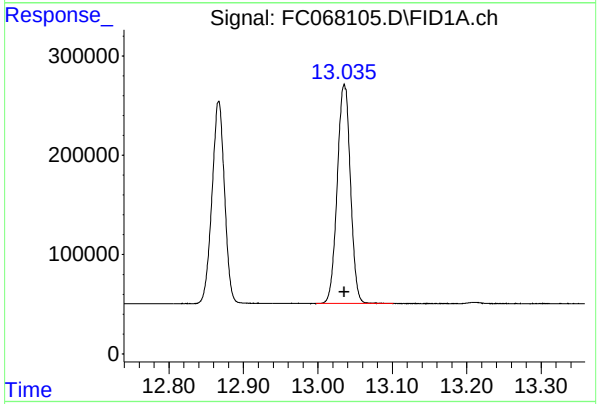
R.T.: 11.426 min
Delta R.T.: 0.000 min
Response: 3231539
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



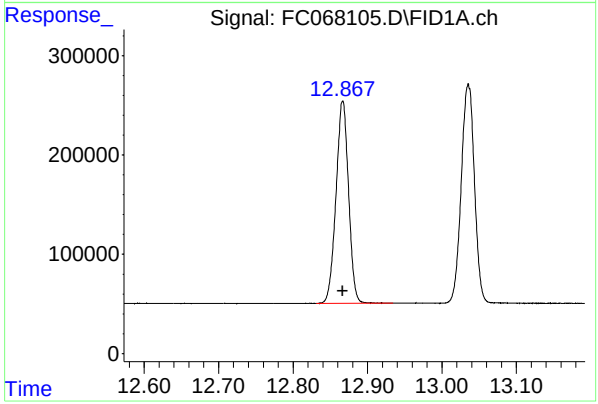
#10 n-Eicosane (C20)

R.T.: 12.426 min
Delta R.T.: 0.000 min
Response: 2775623
Conc: 20.00 ug/ml



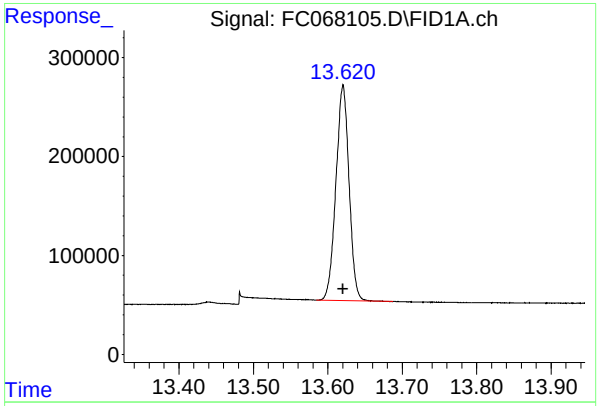
#11 n-Heneicosane (C21)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 2722823
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

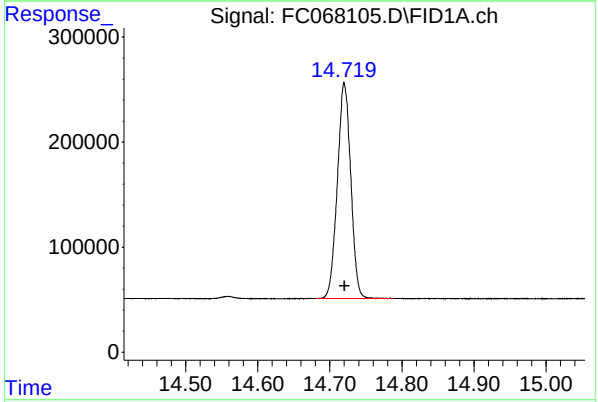
R.T.: 12.867 min
Delta R.T.: 0.000 min
Response: 2389546
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

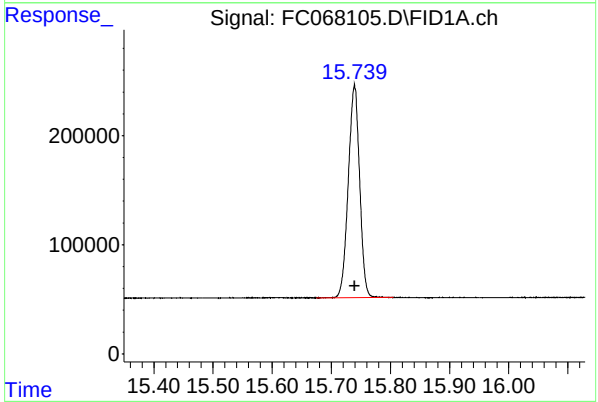
R.T.: 13.620 min
Delta R.T.: 0.000 min
Response: 2671035
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



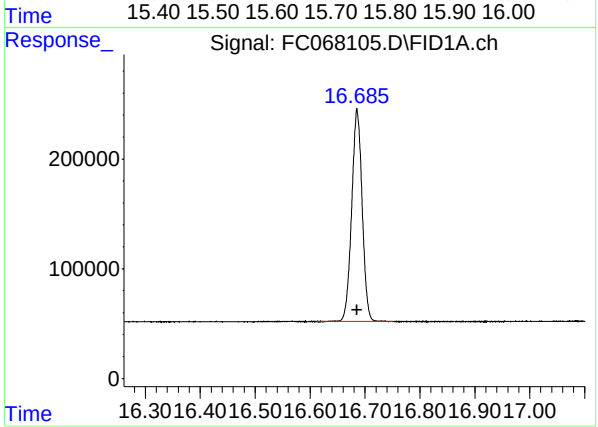
#14 n-Tetracosane (C24)

R.T.: 14.720 min
Delta R.T.: 0.000 min
Response: 2655805
Conc: 20.00 ug/ml



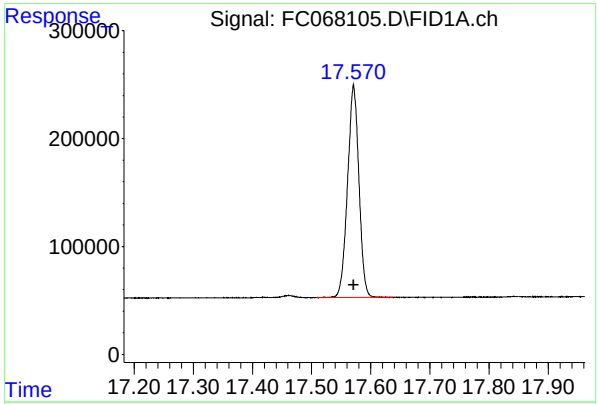
#15 n-Hexacosane (C26)

R.T.: 15.739 min
Delta R.T.: 0.000 min
Response: 2602198
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

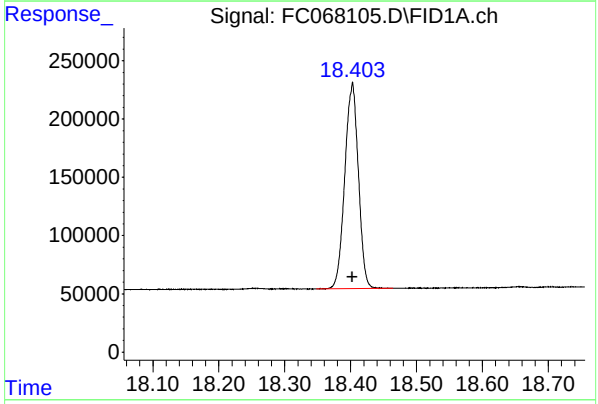
R.T.: 16.686 min
Delta R.T.: 0.000 min
Response: 2559534
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

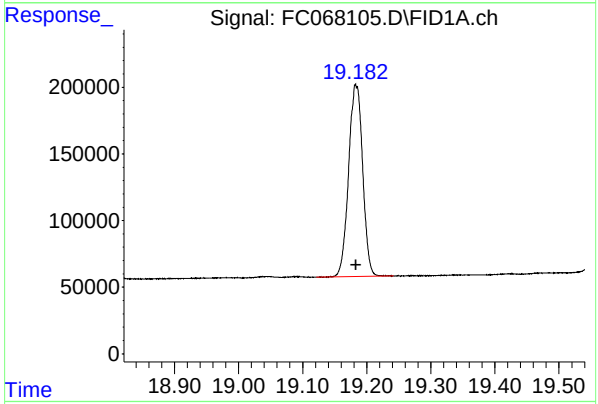
R.T.: 17.571 min
Delta R.T.: 0.000 min
Response: 2631800
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



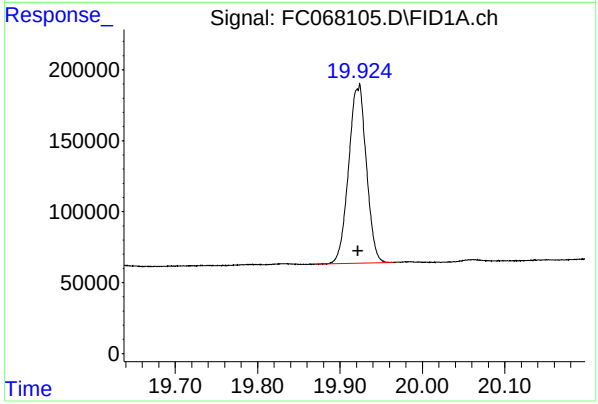
#18 n-Dotriacontane (C32)

R.T.: 18.402 min
Delta R.T.: 0.000 min
Response: 2526641
Conc: 20.00 ug/ml



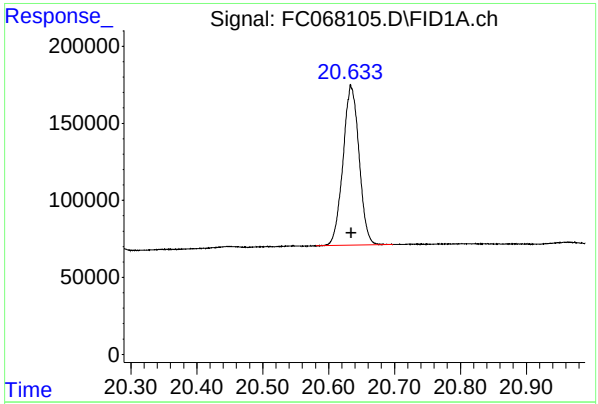
#19 n-Tetratriacontane (C34)

R.T.: 19.183 min
Delta R.T.: 0.000 min
Response: 2198499
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

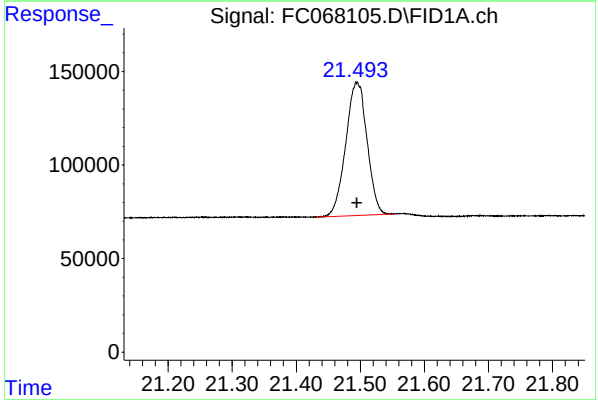
R.T.: 19.922 min
Delta R.T.: 0.000 min
Response: 1877473
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.634 min
Delta R.T.: 0.000 min
Response: 1756021
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.495 min
Delta R.T.: 0.000 min
Response: 1636652
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068105.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 09:58
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 012425.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	3.233	3.204	3.294	BB	327194	2810367	86.97%	4.886%
2	4.291	4.254	4.354	BB	316289	2861961	88.56%	4.976%
3	5.859	5.828	5.944	BB	331378	3109613	96.23%	5.406%
4	6.300	6.261	6.371	BB	291129	2888346	89.38%	5.022%
5	6.911	6.874	7.001	BB	294657	2994869	92.68%	5.207%
6	8.087	8.051	8.151	BB	267213	2828524	87.53%	4.918%
7	9.683	9.644	9.748	BB	252616	2884335	89.26%	5.015%
8	11.120	11.081	11.184	BB	252573	2905661	89.92%	5.052%
9	11.426	11.388	11.484	BB	292475	3231539	100.00%	5.618%
10	12.426	12.384	12.491	BB	237052	2775623	85.89%	4.826%
11	12.867	12.831	12.934	BB	204470	2389546	73.94%	4.154%
12	13.035	12.998	13.101	BB	221132	2722823	84.26%	4.734%
13	13.620	13.584	13.688	BB	216950	2671035	82.66%	4.644%
14	14.720	14.681	14.788	BB	203668	2655805	82.18%	4.617%
15	15.739	15.674	15.804	BB	193474	2602198	80.53%	4.524%
16	16.686	16.611	16.751	BB	191675	2559534	79.20%	4.450%
17	17.571	17.508	17.638	BB	195840	2631800	81.44%	4.576%
18	18.402	18.348	18.464	BB	172625	2526641	78.19%	4.393%
19	19.183	19.121	19.241	BB	143315	2198499	68.03%	3.822%
20	19.922	19.871	19.964	BB	123626	1877473	58.10%	3.264%
21	20.634	20.581	20.698	BB	103180	1756021	54.34%	3.053%
22	21.495	21.431	21.551	BB	71090	1636652	50.65%	2.845%
			Sum of corrected areas:			57518864		

Aliphatic EPH 012425.M Sat Jan 25 04:55:47 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068106.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 10:34
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: Jan 25 04:21:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 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)	11.425	1693195	10.479 ug/ml
Spiked Amount	50.000		Recovery =	20.96%
12) S	1-chlorooctadecane (S...	12.865	1244032	10.412 ug/ml
Spiked Amount	50.000		Recovery =	20.82%
	Target Compounds			
1) T	n-Nonane (C9)	3.232	1475263	10.499 ug/ml
2) T	n-Decane (C10)	4.291	1496558	10.458 ug/ml
3) T	A~Naphthalene (C11.7)	5.859	1594666	10.256 ug/ml
4) T	n-Dodecane (C12)	6.299	1504156	10.415 ug/ml
5) T	A~2-methylnaphthalene...	6.911	1531057	10.225 ug/ml
6) T	n-Tetradecane (C14)	8.087	1470817	10.400 ug/ml
7) T	n-Hexadecane (C16)	9.682	1497439	10.383 ug/ml
8) T	n-Octadecane (C18)	11.120	1516982	10.442 ug/ml
10) T	n-Eicosane (C20)	12.424	1453910	10.476 ug/ml
11) T	n-Heneicosane (C21)	13.035	1431349	10.514 ug/ml
13) T	n-Docosane (C22)	13.620	1411126	10.566 ug/ml
14) T	n-Tetracosane (C24)	14.719	1400111	10.544 ug/ml
15) T	n-Hexacosane (C26)	15.737	1370317	10.532 ug/ml
16) T	n-Octacosane (C28)	16.685	1362142	10.644 ug/ml
17) T	n-Tricontane (C30)	17.570	1402454	10.658 ug/ml
18) T	n-Dotriacontane (C32)	18.401	1354078	10.718 ug/ml
19) T	n-Tetratriacontane (C34)	19.183	1175638	10.695 ug/ml
20) T	n-Hexatriacontane (C36)	19.921	1013341	10.795 ug/ml
21) T	n-Octatriacontane (C38)	20.635	924019	10.524 ug/ml
22) T	n-Tetracontane (C40)	21.497	872323	10.660 ug/ml

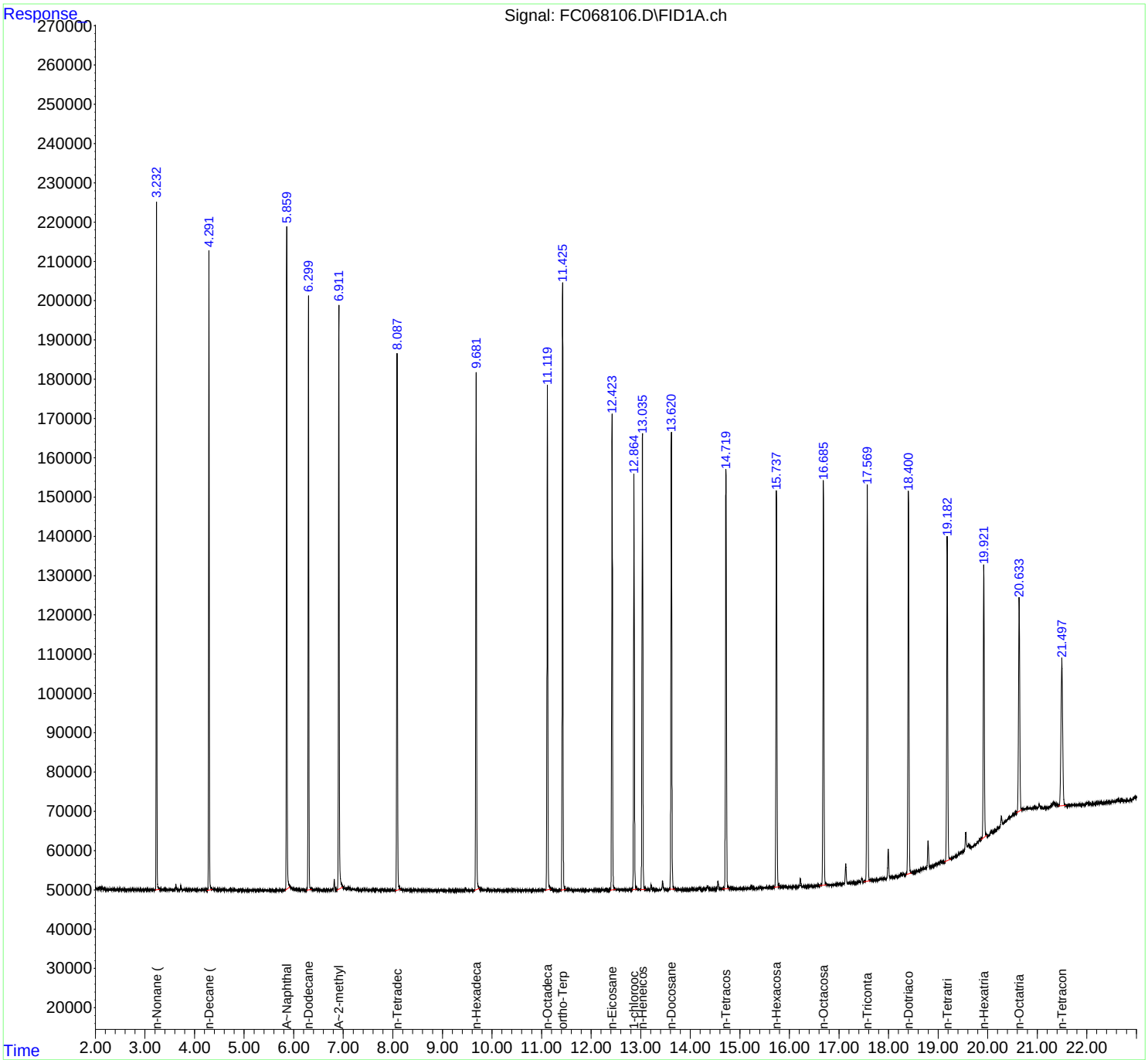
(f)=RT Delta > 1/2 Window (m)=manual int.

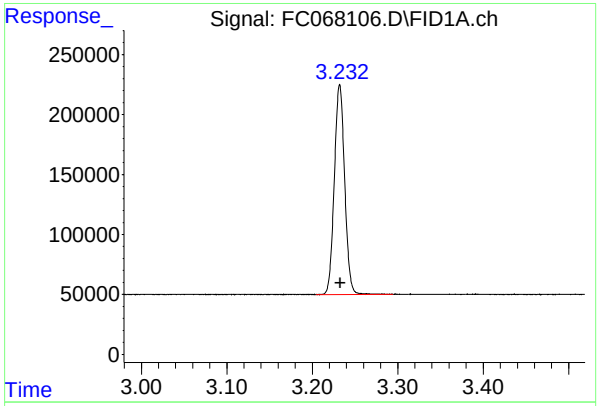
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068106.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 10:34
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jan 25 04:21:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

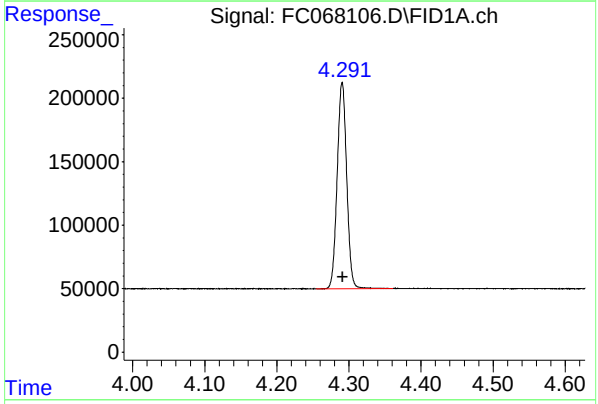




#1 n-Nonane (C9)

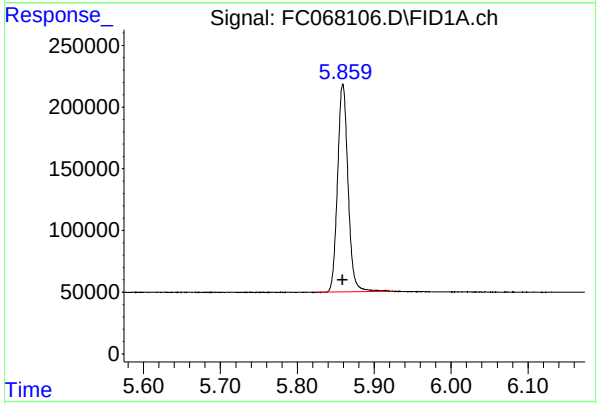
R.T.: 3.232 min
Delta R.T.: 0.000 min
Response: 1475263
Conc: 10.50 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



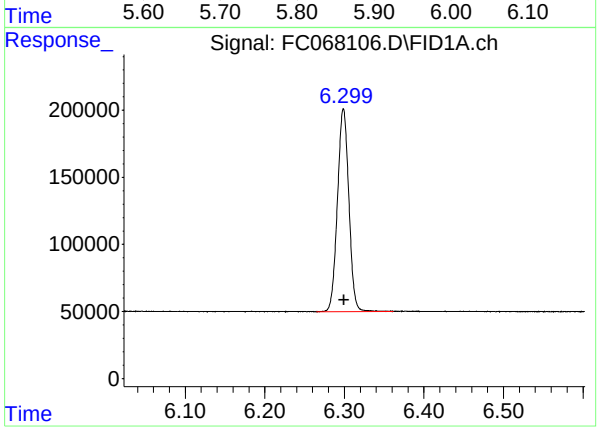
#2 n-Decane (C10)

R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 1496558
Conc: 10.46 ug/ml



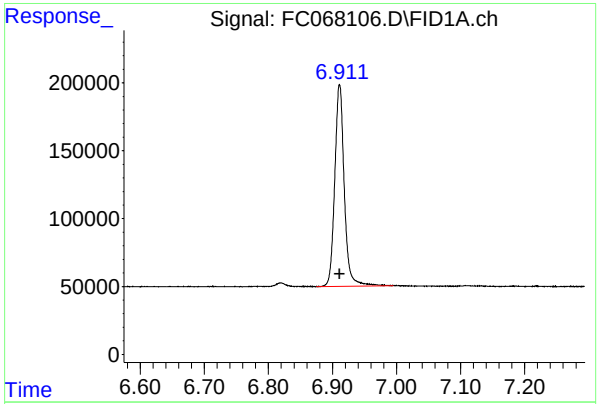
#3 A~Naphthalene (C11.7)

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 1594666
Conc: 10.26 ug/ml



#4 n-Dodecane (C12)

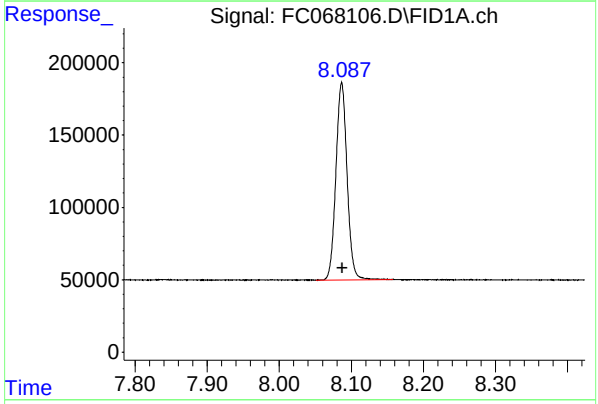
R.T.: 6.299 min
Delta R.T.: 0.000 min
Response: 1504156
Conc: 10.42 ug/ml



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

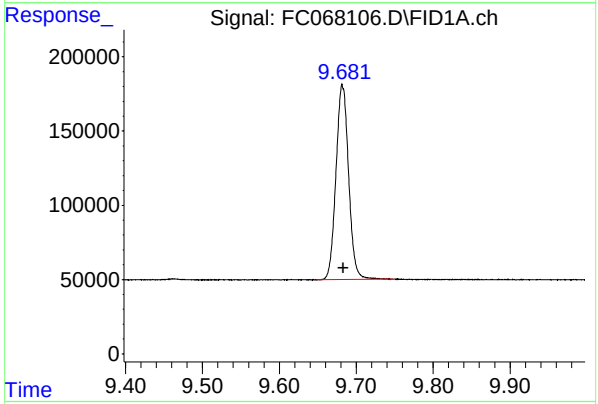
R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 1531057
Conc: 10.22 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



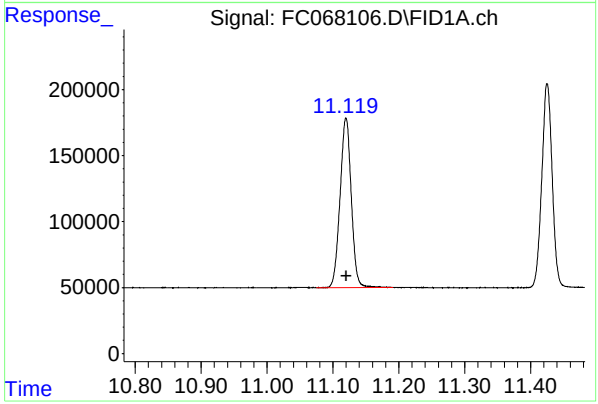
#6 n-Tetradecane (C14)

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 1470817
Conc: 10.40 ug/ml



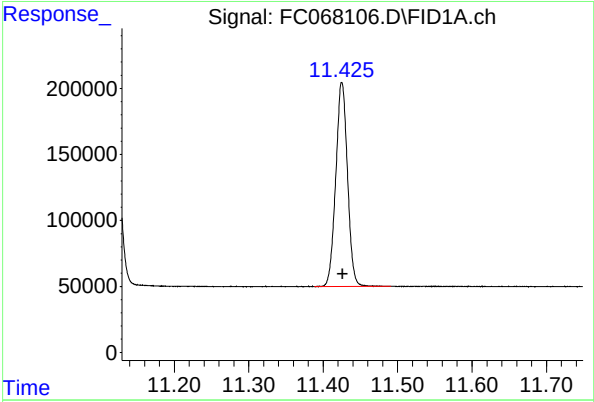
#7 n-Hexadecane (C16)

R.T.: 9.682 min
Delta R.T.: 0.000 min
Response: 1497439
Conc: 10.38 ug/ml



#8 n-Octadecane (C18)

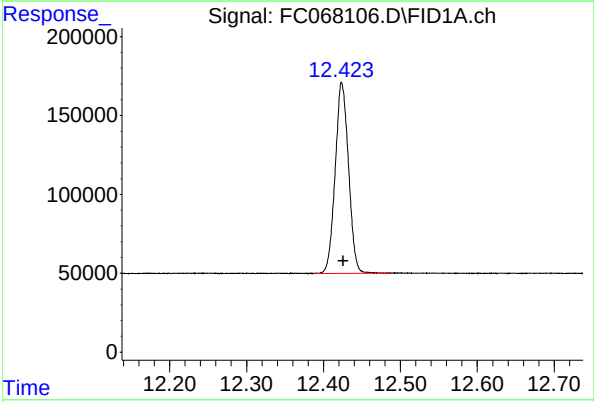
R.T.: 11.120 min
Delta R.T.: 0.000 min
Response: 1516982
Conc: 10.44 ug/ml



#9 ortho-Terphenyl (SURR)

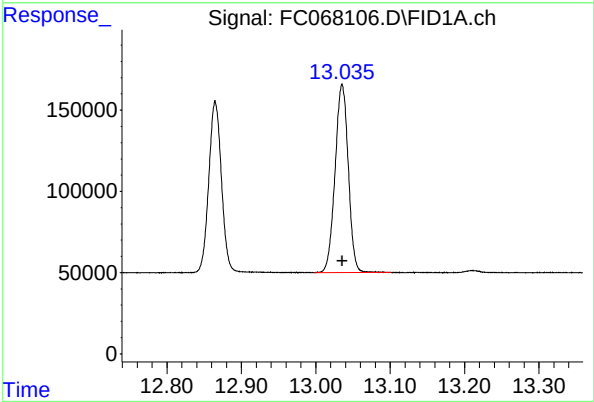
R.T.: 11.425 min
Delta R.T.: -0.001 min
Response: 1693195
Conc: 10.48 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



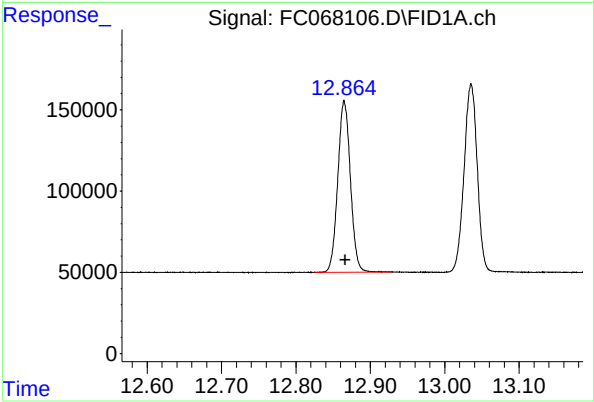
#10 n-Eicosane (C20)

R.T.: 12.424 min
Delta R.T.: -0.001 min
Response: 1453910
Conc: 10.48 ug/ml



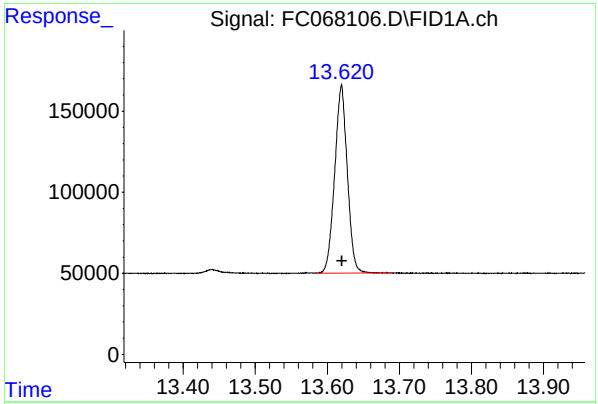
#11 n-Heneicosane (C21)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 1431349
Conc: 10.51 ug/ml



#12 1-chlorooctadecane (SURR)

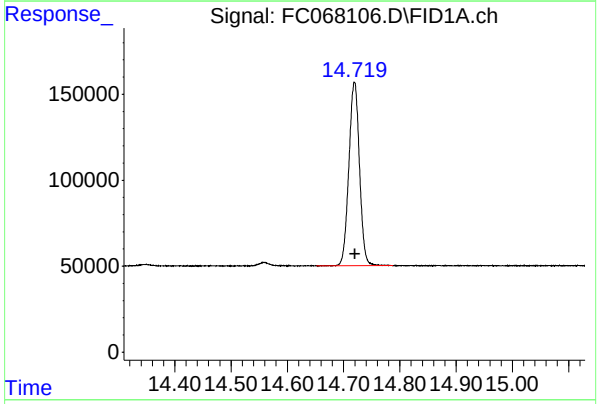
R.T.: 12.865 min
Delta R.T.: -0.002 min
Response: 1244032
Conc: 10.41 ug/ml



#13 n-Docosane (C22)

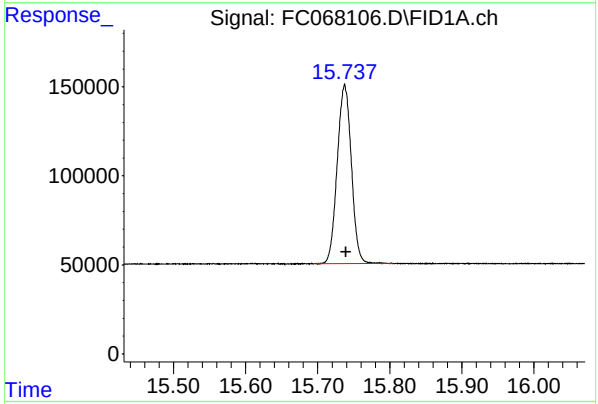
R.T.: 13.620 min
Delta R.T.: 0.000 min
Response: 1411126
Conc: 10.57 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



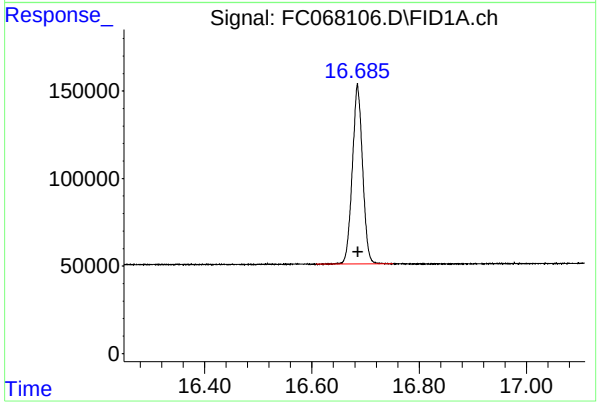
#14 n-Tetracosane (C24)

R.T.: 14.719 min
Delta R.T.: 0.000 min
Response: 1400111
Conc: 10.54 ug/ml



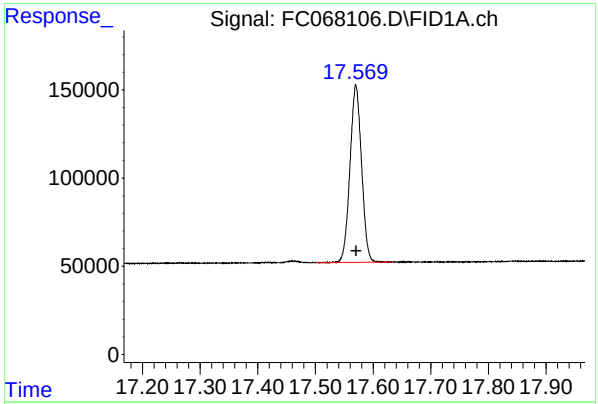
#15 n-Hexacosane (C26)

R.T.: 15.737 min
Delta R.T.: -0.002 min
Response: 1370317
Conc: 10.53 ug/ml



#16 n-Octacosane (C28)

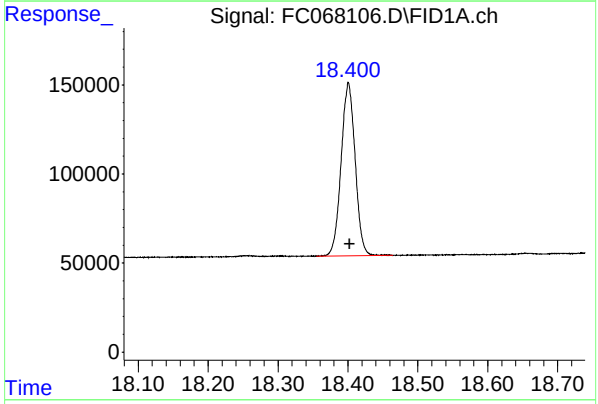
R.T.: 16.685 min
Delta R.T.: 0.000 min
Response: 1362142
Conc: 10.64 ug/ml



#17 n-Tricontane (C30)

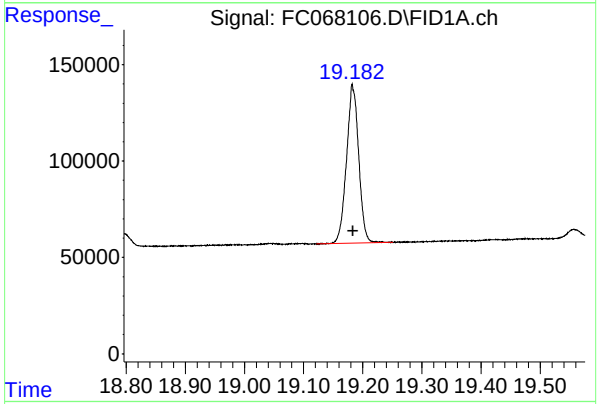
R.T.: 17.570 min
Delta R.T.: 0.000 min
Response: 1402454
Conc: 10.66 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



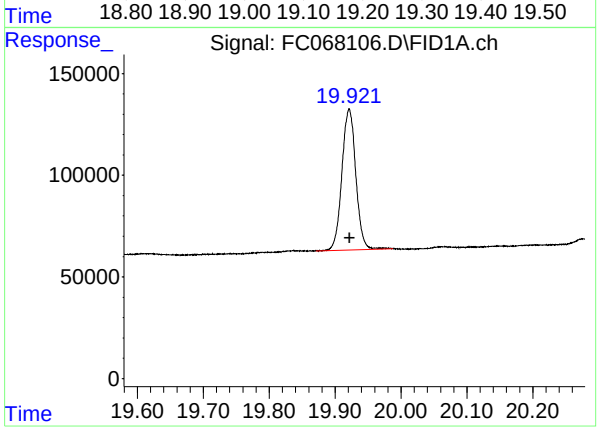
#18 n-Dotriacontane (C32)

R.T.: 18.401 min
Delta R.T.: -0.002 min
Response: 1354078
Conc: 10.72 ug/ml



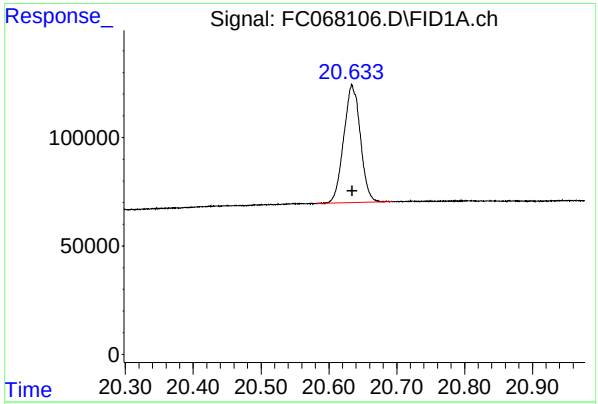
#19 n-Tetratriacontane (C34)

R.T.: 19.183 min
Delta R.T.: 0.000 min
Response: 1175638
Conc: 10.69 ug/ml



#20 n-Hexatriacontane (C36)

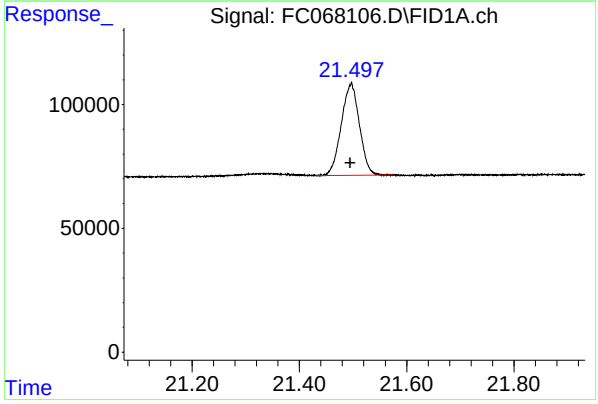
R.T.: 19.921 min
Delta R.T.: 0.000 min
Response: 1013341
Conc: 10.79 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.635 min
Delta R.T.: 0.000 min
Response: 924019
Conc: 10.52 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.497 min
Delta R.T.: 0.002 min
Response: 872323
Conc: 10.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068106.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 10:34
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 012425.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	3.232	3.204	3.294	BB	173891	1475263	87.13%	4.886%
2	4.291	4.254	4.361	BB	162720	1496558	88.39%	4.956%
3	5.859	5.824	5.924	BB	168195	1594666	94.18%	5.281%
4	6.299	6.264	6.361	BB	150731	1504156	88.84%	4.981%
5	6.911	6.874	6.994	BB	149273	1531057	90.42%	5.071%
6	8.087	8.051	8.158	BB	136084	1470817	86.87%	4.871%
7	9.682	9.648	9.748	BB	131211	1497439	88.44%	4.959%
8	11.120	11.074	11.191	BB	128815	1516982	89.59%	5.024%
9	11.425	11.388	11.491	BB	155292	1693195	100.00%	5.608%
10	12.424	12.388	12.488	BB	120109	1453910	85.87%	4.815%
11	12.865	12.824	12.928	BB	105028	1244032	73.47%	4.120%
12	13.035	12.998	13.101	BB	115485	1431349	84.54%	4.740%
13	13.620	13.584	13.691	BB	115583	1411126	83.34%	4.673%
14	14.719	14.651	14.788	BB	106542	1400111	82.69%	4.637%
15	15.737	15.698	15.804	BB	100036	1370317	80.93%	4.538%
16	16.685	16.608	16.751	BB	102147	1362142	80.45%	4.511%
17	17.570	17.501	17.634	BB	100184	1402454	82.83%	4.645%
18	18.401	18.354	18.464	BB	97240	1354078	79.97%	4.484%
19	19.183	19.121	19.251	BB	79568	1175638	69.43%	3.893%
20	19.921	19.871	19.988	BB	69262	1013341	59.85%	3.356%
21	20.635	20.581	20.694	BB	53776	924019	54.57%	3.060%
22	21.497	21.431	21.574	BB	37309	872323	51.52%	2.889%

Sum of corrected areas: 30194970

Aliphatic EPH 012425.M Sat Jan 25 04:56:01 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068107.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 11:10
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: Jan 25 04:22:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 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)	11.425	791222	4.897 ug/ml
Spiked Amount	50.000		Recovery =	9.79%
12) S	1-chlorooctadecane (S...	12.866	575543	4.817 ug/ml
Spiked Amount	50.000		Recovery =	9.63%
	Target Compounds			
1) T	n-Nonane (C9)	3.233	694002	4.939 ug/ml
2) T	n-Decane (C10)	4.291	696954	4.870 ug/ml
3) T	A~Naphthalene (C11.7)	5.860	735461	4.730 ug/ml
4) T	n-Dodecane (C12)	6.298	701967	4.861 ug/ml
5) T	A~2-methylnaphthalene...	6.912	679817	4.540 ug/ml
6) T	n-Tetradecane (C14)	8.087	678873	4.800 ug/ml
7) T	n-Hexadecane (C16)	9.682	690786	4.790 ug/ml
8) T	n-Octadecane (C18)	11.119	701017	4.825 ug/ml
10) T	n-Eicosane (C20)	12.425	676915	4.878 ug/ml
11) T	n-Heneicosane (C21)	13.035	664598	4.882 ug/ml
13) T	n-Docosane (C22)	13.620	653737	4.895 ug/ml
14) T	n-Tetracosane (C24)	14.720	647347	4.875 ug/ml
15) T	n-Hexacosane (C26)	15.738	640168	4.920 ug/ml
16) T	n-Octacosane (C28)	16.685	660648	5.162 ug/ml
17) T	n-Tricontane (C30)	17.571	717917	5.456 ug/ml
18) T	n-Dotriacontane (C32)	18.400	712580	5.641 ug/ml
19) T	n-Tetratriacontane (C34)	19.183	604670	5.501 ug/ml
20) T	n-Hexatriacontane (C36)	19.922	497419	5.299 ug/ml
21) T	n-Octatriacontane (C38)	20.635	450417	5.130 ug/ml
22) T	n-Tetracontane (C40)	21.497	416329	5.088 ug/ml

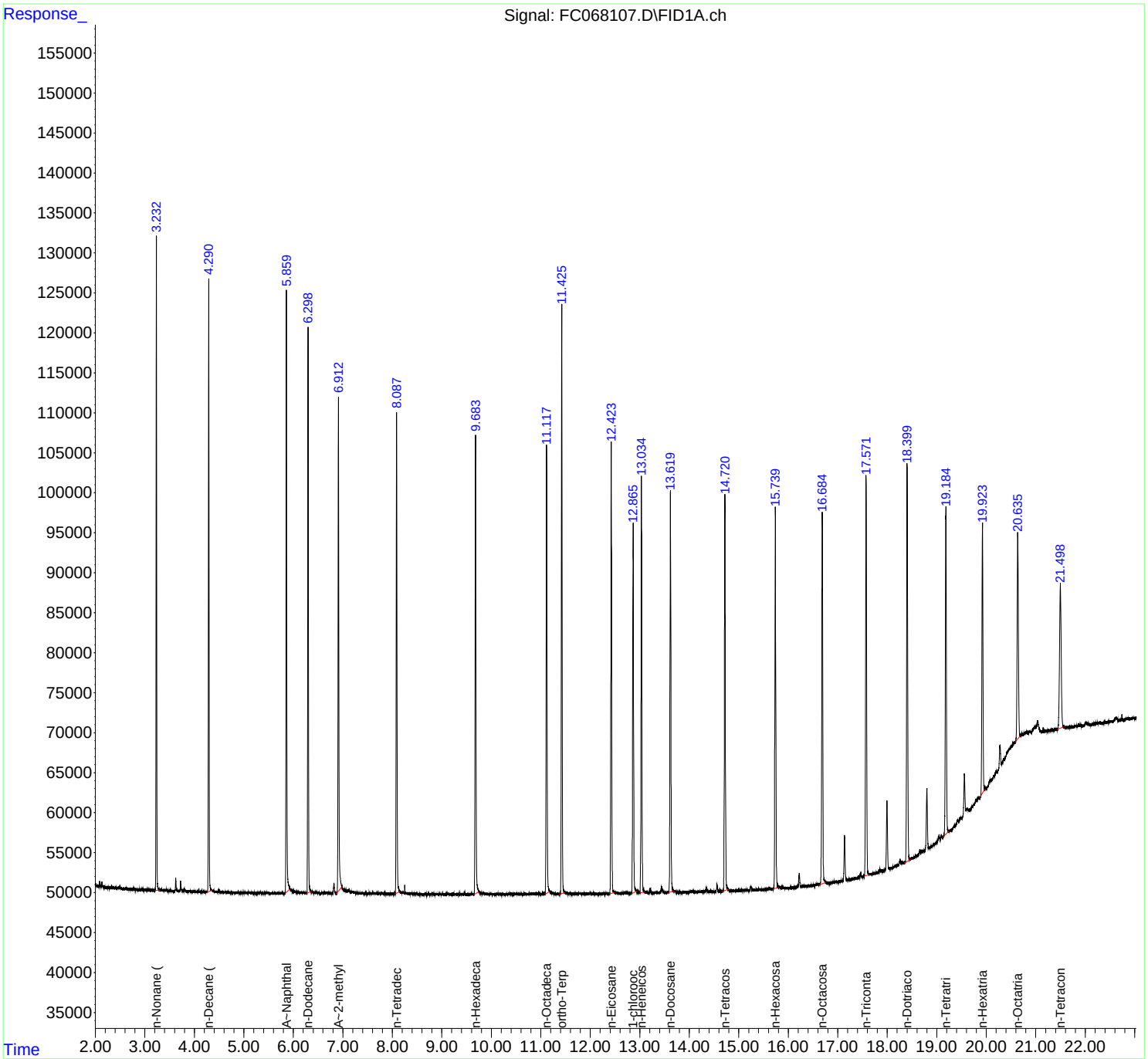
(f)=RT Delta > 1/2 Window (m)=manual int.

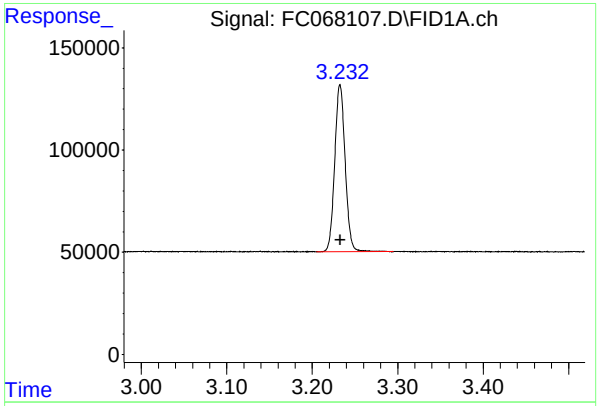
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068107.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 11:10
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jan 25 04:22:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:20:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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

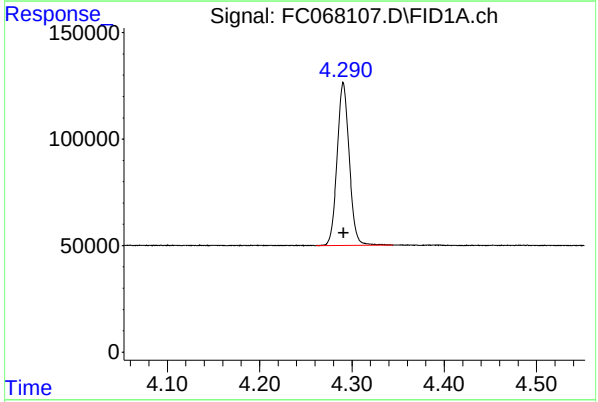




#1 n-Nonane (C9)

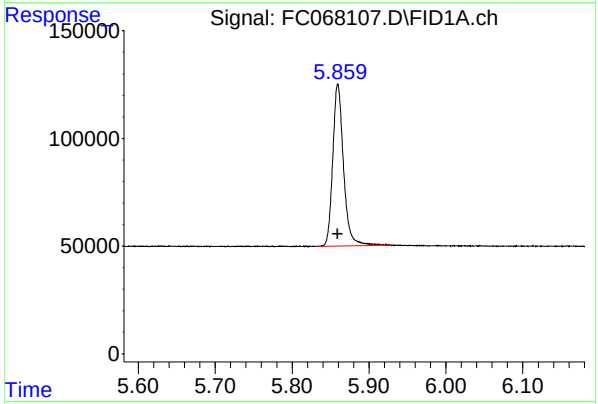
R.T.: 3.233 min
Delta R.T.: 0.000 min
Response: 694002
Conc: 4.94 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



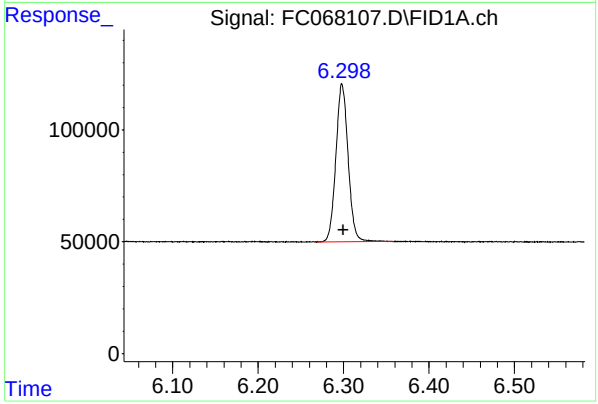
#2 n-Decane (C10)

R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 696954
Conc: 4.87 ug/ml



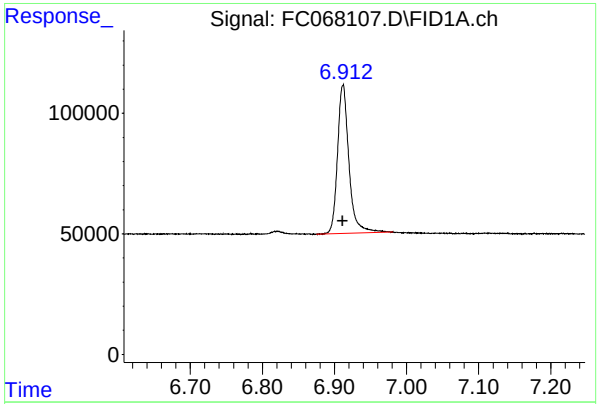
#3 A~Naphthalene (C11.7)

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 735461
Conc: 4.73 ug/ml



#4 n-Dodecane (C12)

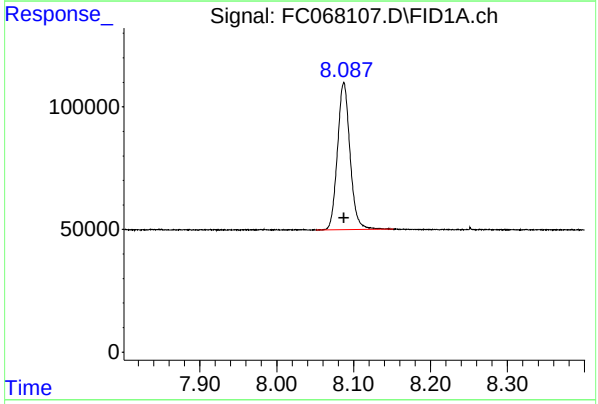
R.T.: 6.298 min
Delta R.T.: -0.001 min
Response: 701967
Conc: 4.86 ug/ml



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

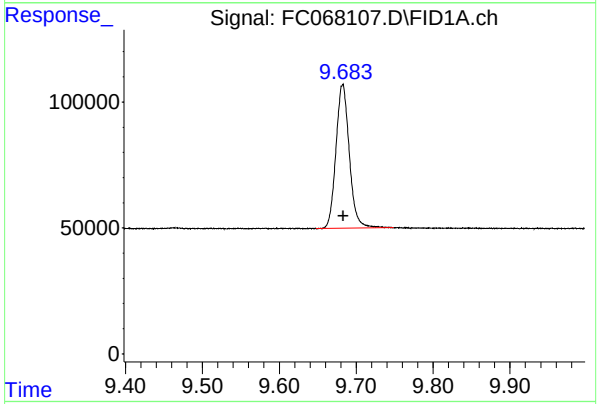
R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 679817
Conc: 4.54 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



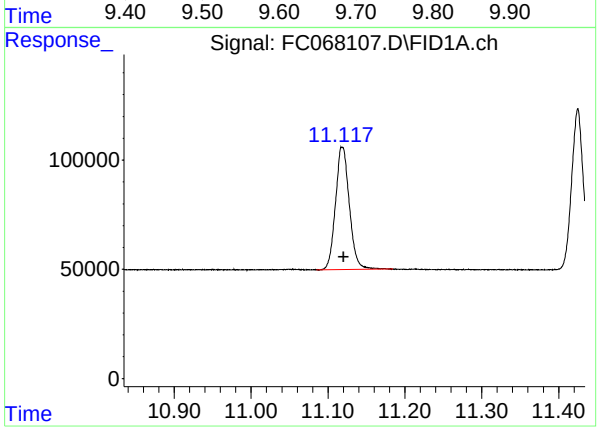
#6 n-Tetradecane (C14)

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 678873
Conc: 4.80 ug/ml



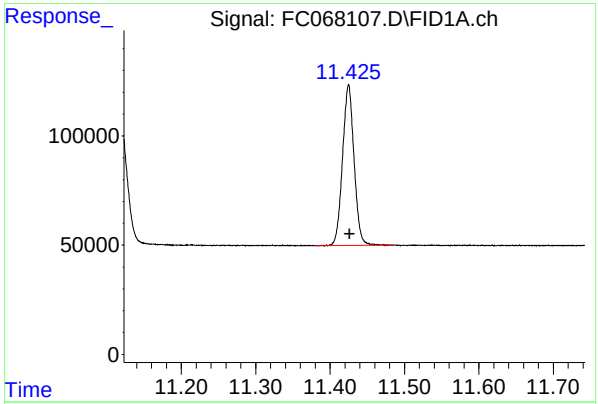
#7 n-Hexadecane (C16)

R.T.: 9.682 min
Delta R.T.: 0.000 min
Response: 690786
Conc: 4.79 ug/ml



#8 n-Octadecane (C18)

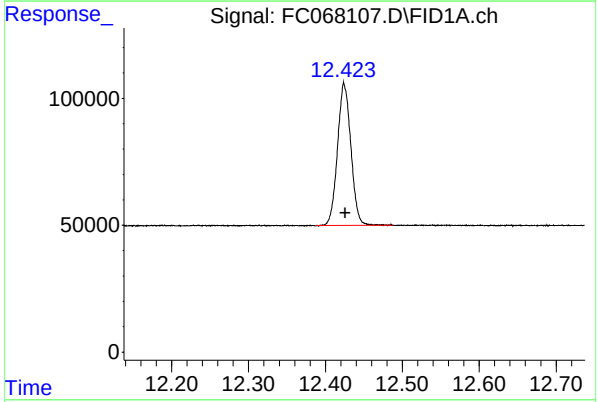
R.T.: 11.119 min
Delta R.T.: -0.002 min
Response: 701017
Conc: 4.83 ug/ml



#9 ortho-Terphenyl (SURR)

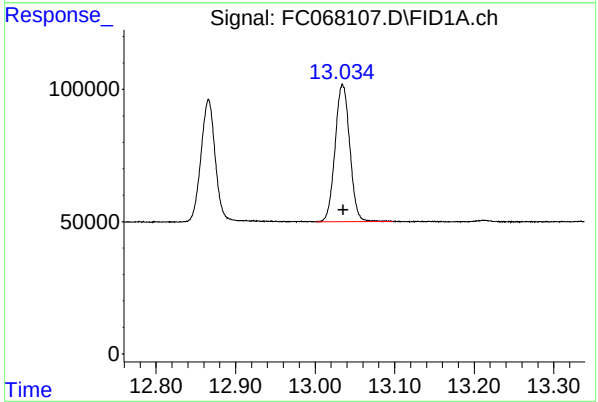
R.T.: 11.425 min
Delta R.T.: -0.001 min
Response: 791222
Conc: 4.90 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



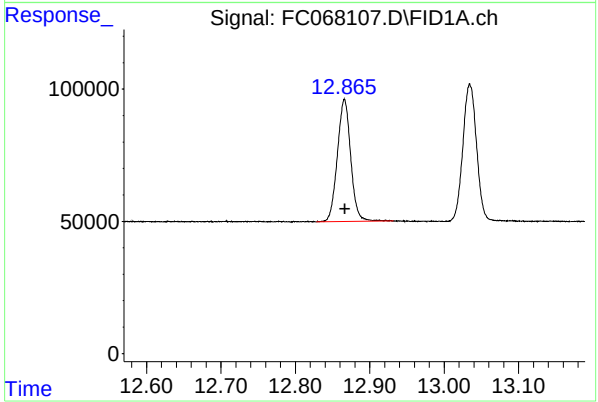
#10 n-Eicosane (C20)

R.T.: 12.425 min
Delta R.T.: 0.000 min
Response: 676915
Conc: 4.88 ug/ml



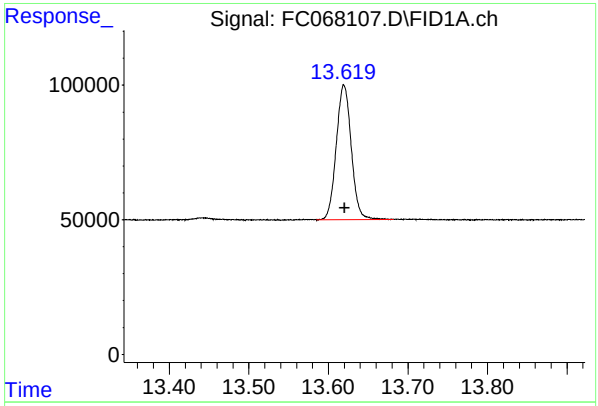
#11 n-Heneicosane (C21)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 664598
Conc: 4.88 ug/ml



#12 1-chlorooctadecane (SURR)

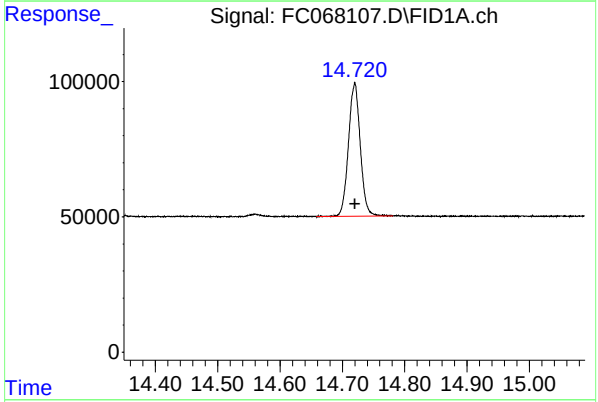
R.T.: 12.866 min
Delta R.T.: 0.000 min
Response: 575543
Conc: 4.82 ug/ml



#13 n-Docosane (C22)

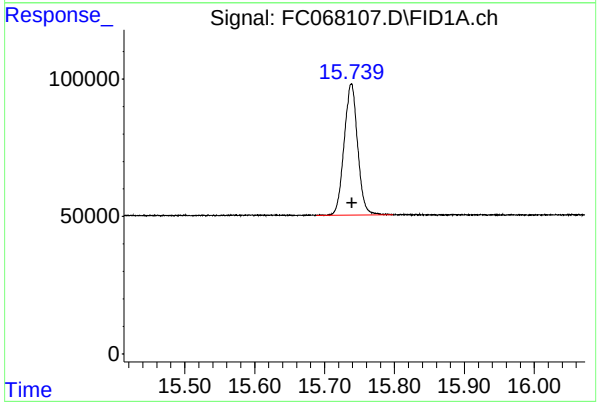
R.T.: 13.620 min
Delta R.T.: 0.000 min
Response: 653737
Conc: 4.90 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



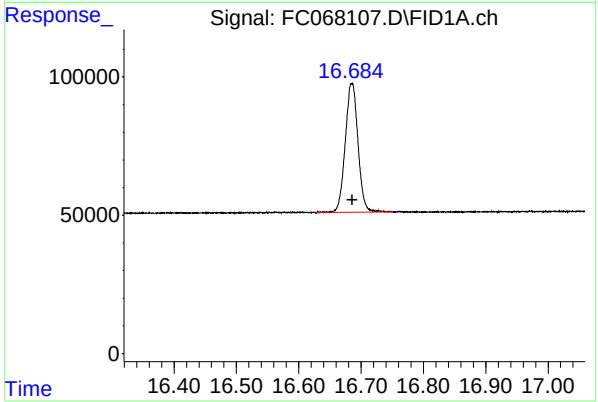
#14 n-Tetracosane (C24)

R.T.: 14.720 min
Delta R.T.: 0.000 min
Response: 647347
Conc: 4.87 ug/ml



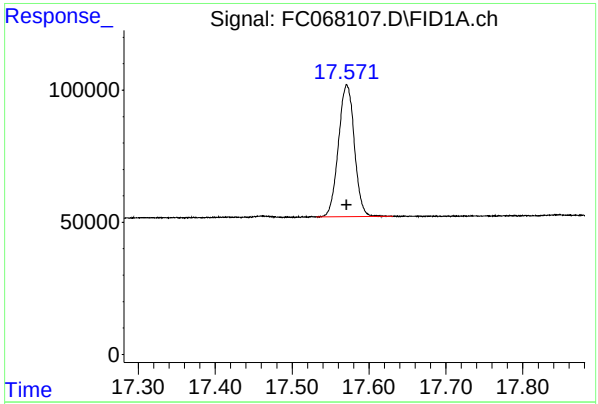
#15 n-Hexacosane (C26)

R.T.: 15.738 min
Delta R.T.: 0.000 min
Response: 640168
Conc: 4.92 ug/ml



#16 n-Octacosane (C28)

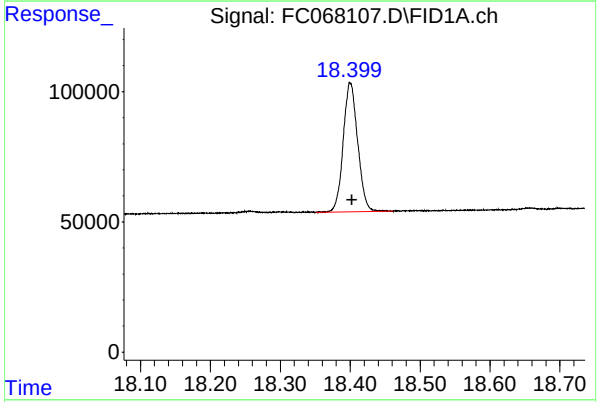
R.T.: 16.685 min
Delta R.T.: 0.000 min
Response: 660648
Conc: 5.16 ug/ml



#17 n-Tricontane (C30)

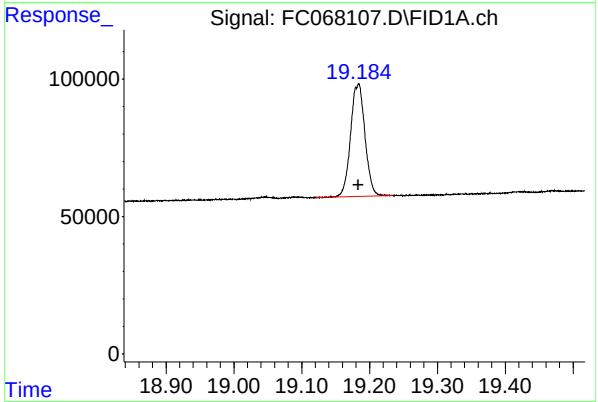
R.T.: 17.571 min
Delta R.T.: 0.000 min
Response: 717917
Conc: 5.46 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



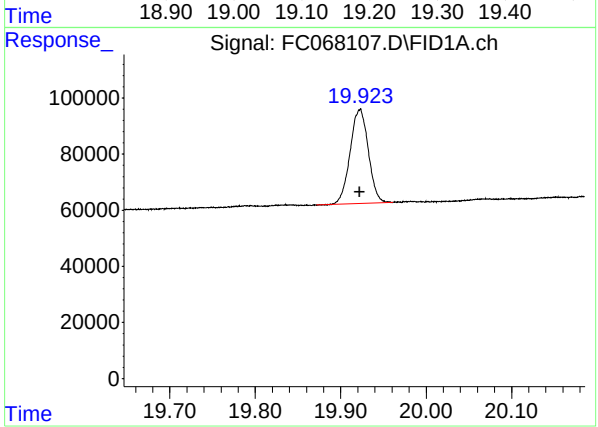
#18 n-Dotriacontane (C32)

R.T.: 18.400 min
Delta R.T.: -0.002 min
Response: 712580
Conc: 5.64 ug/ml



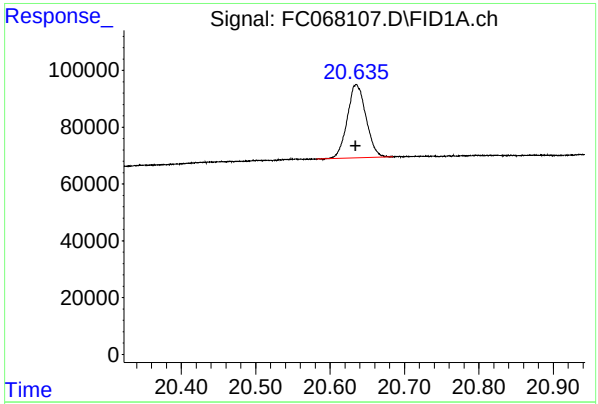
#19 n-Tetratriacontane (C34)

R.T.: 19.183 min
Delta R.T.: 0.000 min
Response: 604670
Conc: 5.50 ug/ml



#20 n-Hexatriacontane (C36)

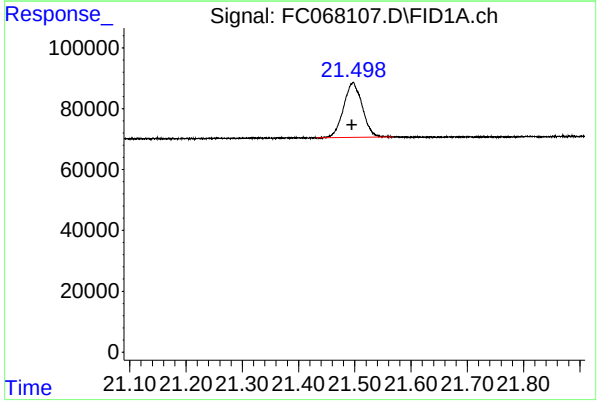
R.T.: 19.922 min
Delta R.T.: 0.000 min
Response: 497419
Conc: 5.30 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.635 min
Delta R.T.: 0.001 min
Response: 450417
Conc: 5.13 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.497 min
Delta R.T.: 0.002 min
Response: 416329
Conc: 5.09 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068107.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 11:10
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 012425.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	3.233	3.205	3.295	BB	81211	694002	87.71%	4.857%
2	4.291	4.261	4.345	BB	76093	696954	88.09%	4.878%
3	5.860	5.831	5.931	BB	74115	735461	92.95%	5.147%
4	6.298	6.268	6.358	BB	70358	701967	88.72%	4.913%
5	6.912	6.875	6.981	BB	61540	679817	85.92%	4.758%
6	8.087	8.051	8.151	BB	59884	678873	85.80%	4.751%
7	9.682	9.648	9.748	BB	57178	690786	87.31%	4.835%
8	11.119	11.085	11.185	BB	56462	701017	88.60%	4.906%
9	11.425	11.381	11.485	BB	73366	791222	100.00%	5.538%
10	12.425	12.388	12.488	BB	55734	676915	85.55%	4.738%
11	12.866	12.828	12.931	BB	45879	575543	72.74%	4.028%
12	13.035	13.001	13.098	BB	51716	664598	84.00%	4.651%
13	13.620	13.585	13.681	BB	49760	653737	82.62%	4.575%
14	14.720	14.658	14.781	BB	49743	647347	81.82%	4.531%
15	15.738	15.688	15.798	BB	47829	640168	80.91%	4.480%
16	16.685	16.628	16.751	BB	46740	660648	83.50%	4.624%
17	17.571	17.531	17.631	BB	49806	717917	90.74%	5.024%
18	18.400	18.351	18.461	BB	49533	712580	90.06%	4.987%
19	19.183	19.121	19.235	BB	41551	604670	76.42%	4.232%
20	19.922	19.871	19.961	BB	33283	497419	62.87%	3.481%
21	20.635	20.581	20.685	BB	25685	450417	56.93%	3.152%
22	21.497	21.431	21.568	BB	18210	416329	52.62%	2.914%
			Sum of corrected areas:			14288387		

Aliphatic EPH 012425.M Sat Jan 25 04:56:17 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068108.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 11:46
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: Jan 25 04:32:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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)	11.426	3210149	20.543 ug/ml
Spiked Amount	50.000		Recovery =	41.09%
12) S	1-chlorooctadecane (S...	12.866	2353417	20.464 ug/ml
Spiked Amount	50.000		Recovery =	40.93%
	Target Compounds			
1) T	n-Nonane (C9)	3.233	2856850	20.863 ug/ml
2) T	n-Decane (C10)	4.291	2892910	20.837 ug/ml
3) T	A~Naphthalene (C11.7)	5.859	3146417	20.959 ug/ml
4) T	n-Dodecane (C12)	6.299	2898986	20.752 ug/ml
5) T	A~2-methylnaphthalene...	6.912	3016045	20.998 ug/ml
6) T	n-Tetradecane (C14)	8.088	2823344	20.687 ug/ml
7) T	n-Hexadecane (C16)	9.682	2866683	20.631 ug/ml
8) T	n-Octadecane (C18)	11.120	2860062	20.441 ug/ml
10) T	n-Eicosane (C20)	12.425	2726294	20.376 ug/ml
11) T	n-Heneicosane (C21)	13.035	2669582	20.326 ug/ml
13) T	n-Docosane (C22)	13.621	2632473	20.323 ug/ml
14) T	n-Tetracosane (C24)	14.720	2607107	20.307 ug/ml
15) T	n-Hexacosane (C26)	15.738	2544255	20.219 ug/ml
16) T	n-Octacosane (C28)	16.686	2514179	20.102 ug/ml
17) T	n-Tricontane (C30)	17.572	2583068	19.984 ug/ml
18) T	n-Dotriacontane (C32)	18.402	2485515	19.882 ug/ml
19) T	n-Tetratriacontane (C34)	19.184	2168265	19.989 ug/ml
20) T	n-Hexatriacontane (C36)	19.922	1856990	20.066 ug/ml
21) T	n-Octatriacontane (C38)	20.634	1734577	20.243 ug/ml
22) T	n-Tetracontane (C40)	21.496	1670521	20.660 ug/ml

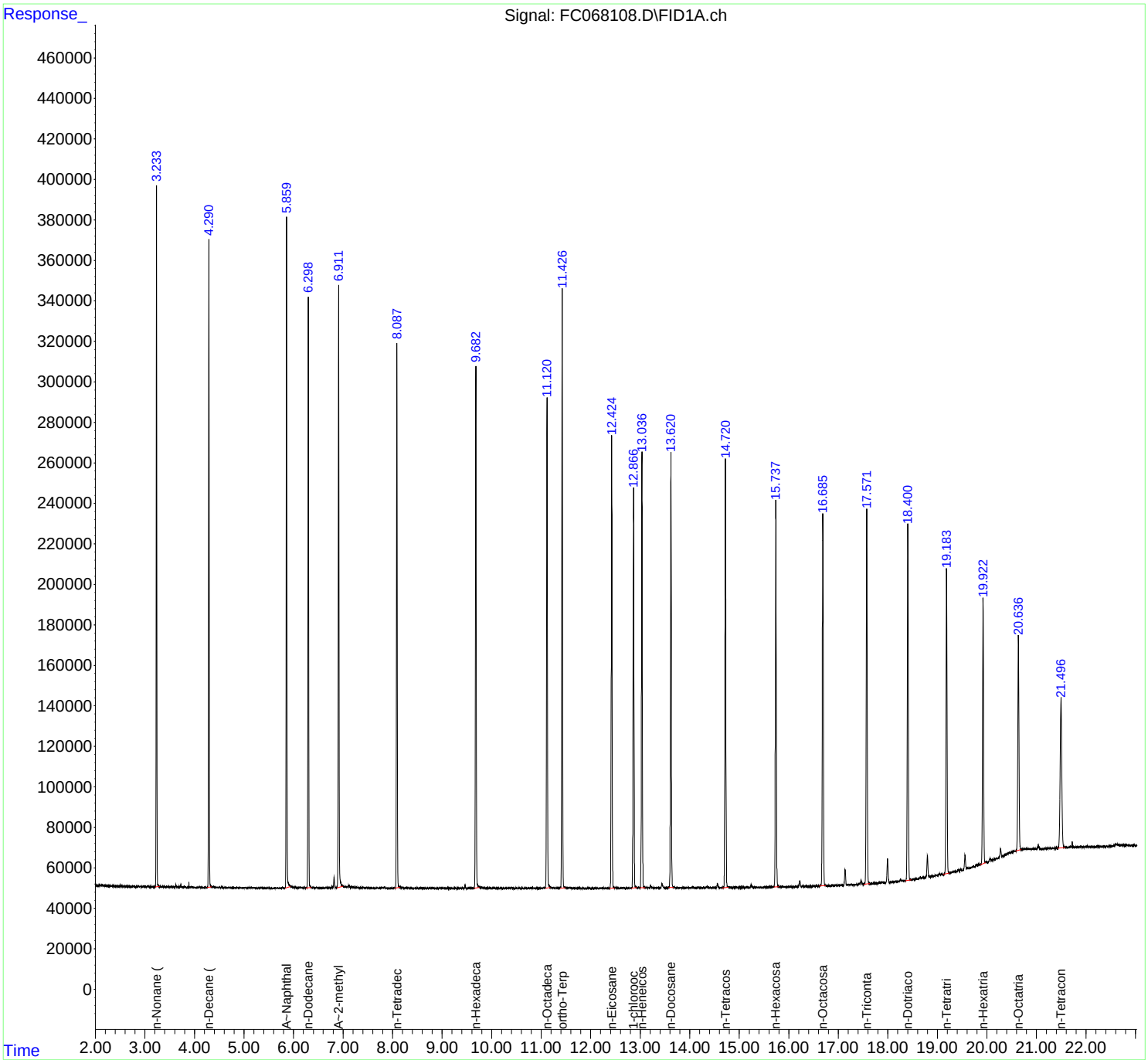
(f)=RT Delta > 1/2 Window (m)=manual int.

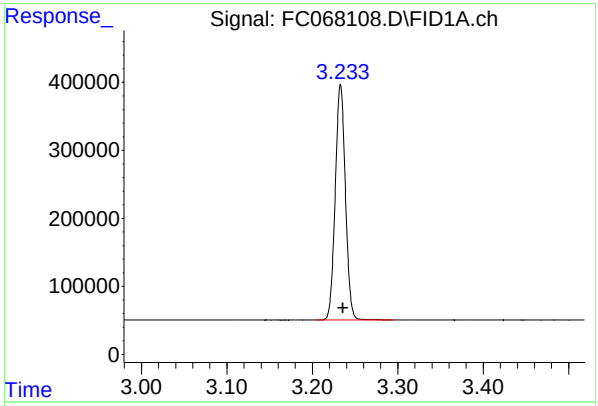
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068108.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 11:46
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jan 25 04:32:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

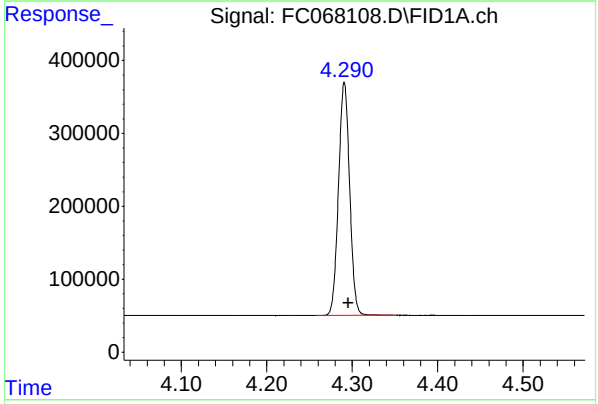




#1 n-Nonane (C9)

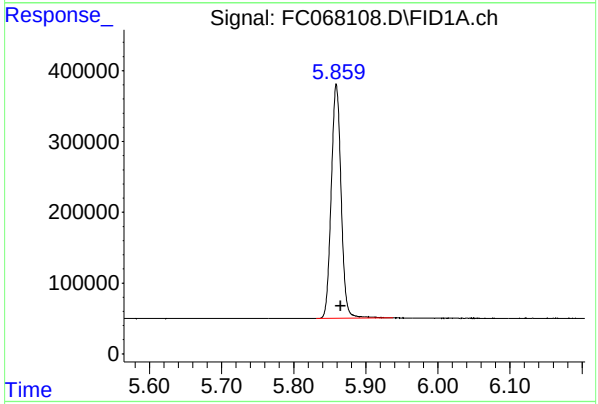
R.T.: 3.233 min
Delta R.T.: -0.003 min
Response: 2856850
Conc: 20.86 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



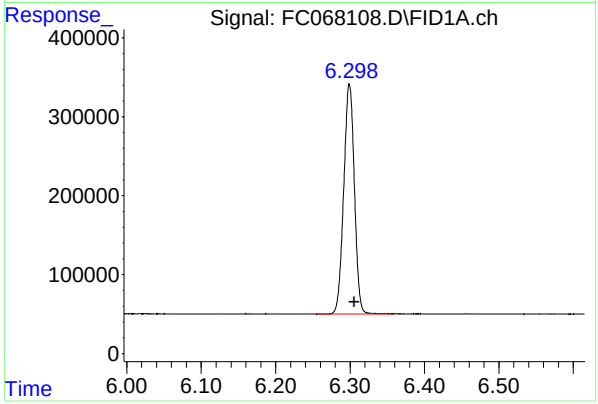
#2 n-Decane (C10)

R.T.: 4.291 min
Delta R.T.: -0.005 min
Response: 2892910
Conc: 20.84 ug/ml



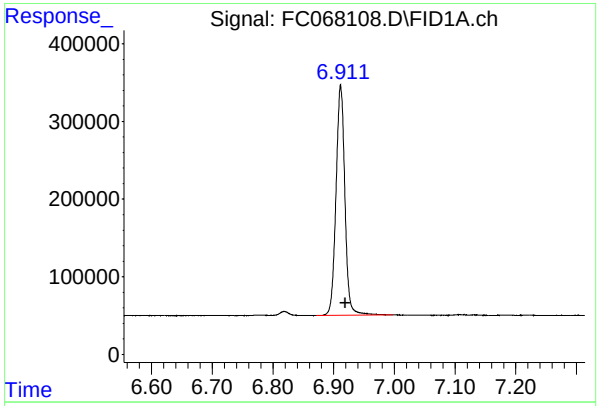
#3 A~Naphthalene (C11.7)

R.T.: 5.859 min
Delta R.T.: -0.006 min
Response: 3146417
Conc: 20.96 ug/ml



#4 n-Dodecane (C12)

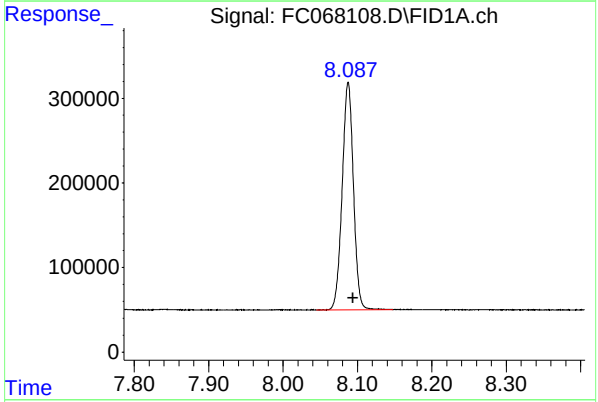
R.T.: 6.299 min
Delta R.T.: -0.006 min
Response: 2898986
Conc: 20.75 ug/ml



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

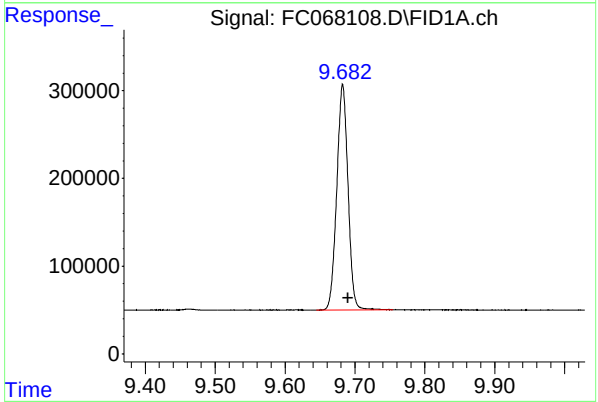
R.T.: 6.912 min
Delta R.T.: -0.008 min
Response: 3016045
Conc: 21.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



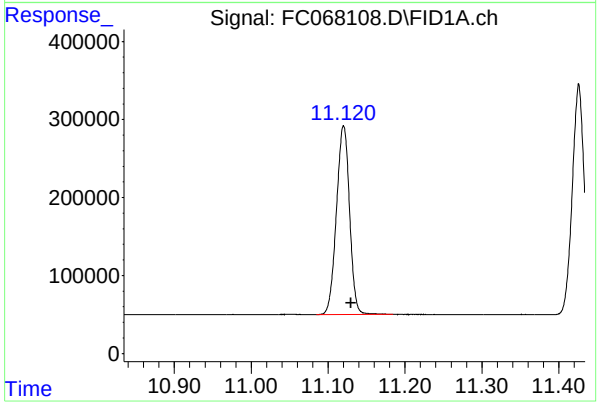
#6 n-Tetradecane (C14)

R.T.: 8.088 min
Delta R.T.: -0.006 min
Response: 2823344
Conc: 20.69 ug/ml



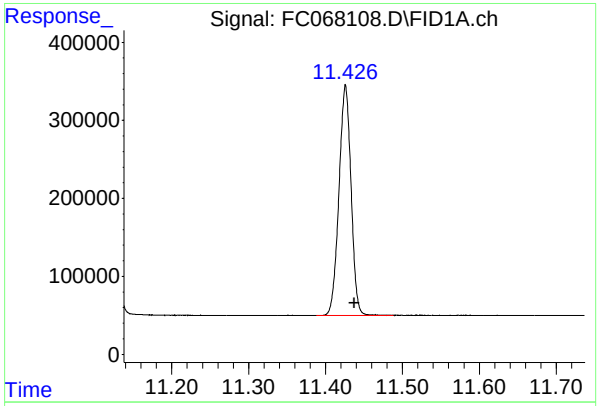
#7 n-Hexadecane (C16)

R.T.: 9.682 min
Delta R.T.: -0.008 min
Response: 2866683
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

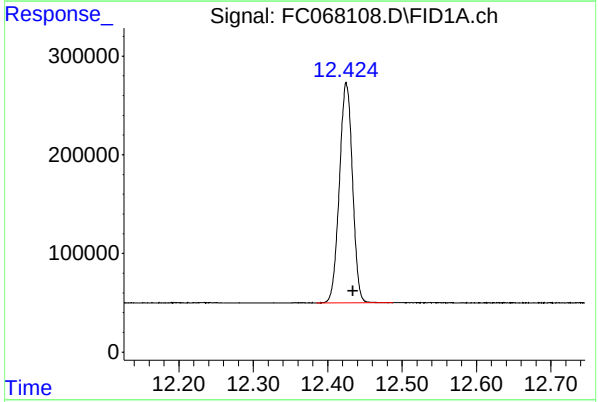
R.T.: 11.120 min
Delta R.T.: -0.009 min
Response: 2860062
Conc: 20.44 ug/ml



#9 ortho-Terphenyl (SURR)

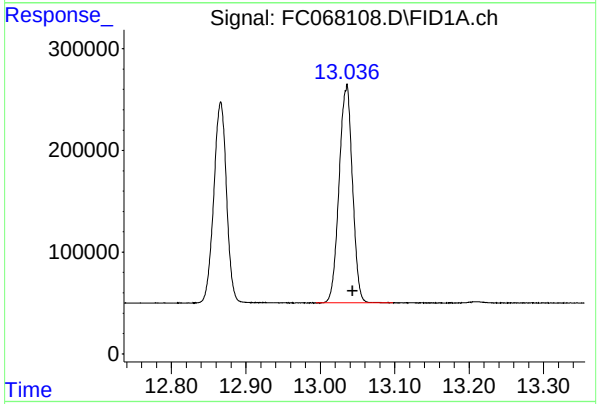
R.T.: 11.426 min
Delta R.T.: -0.011 min
Response: 3210149
Conc: 20.54 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



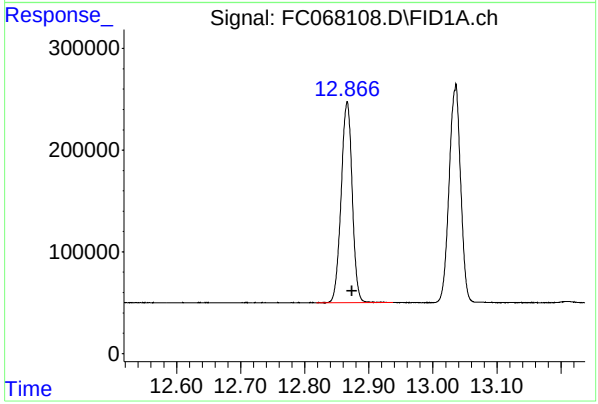
#10 n-Eicosane (C20)

R.T.: 12.425 min
Delta R.T.: -0.009 min
Response: 2726294
Conc: 20.38 ug/ml



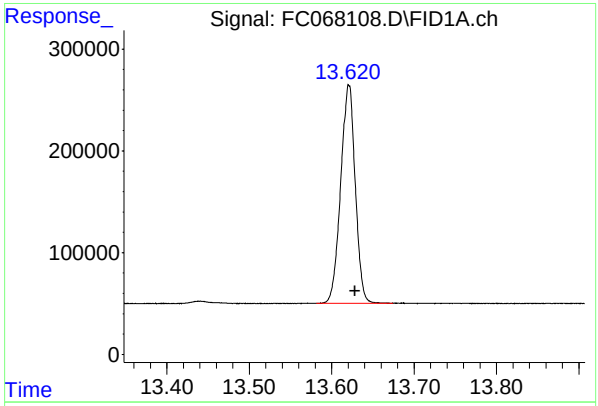
#11 n-Heneicosane (C21)

R.T.: 13.035 min
Delta R.T.: -0.009 min
Response: 2669582
Conc: 20.33 ug/ml



#12 1-chlorooctadecane (SURR)

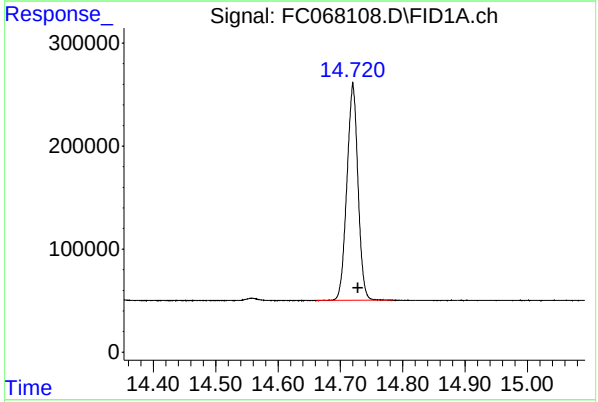
R.T.: 12.866 min
Delta R.T.: -0.008 min
Response: 2353417
Conc: 20.46 ug/ml



#13 n-Docosane (C22)

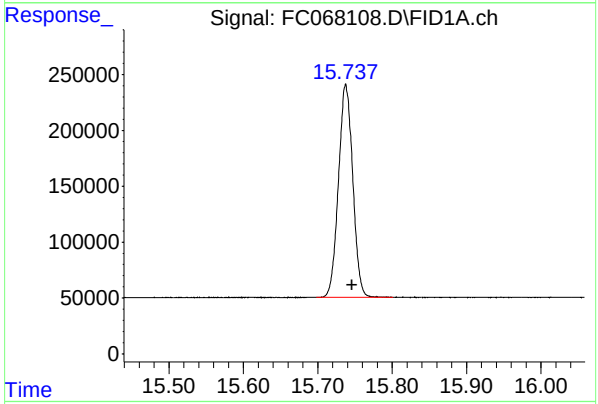
R.T.: 13.621 min
Delta R.T.: -0.008 min
Response: 2632473
Conc: 20.32 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



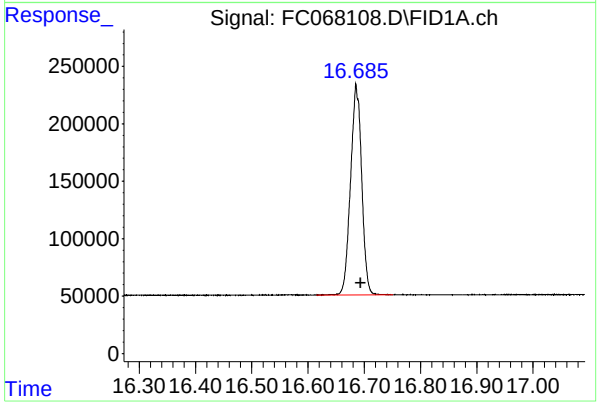
#14 n-Tetracosane (C24)

R.T.: 14.720 min
Delta R.T.: -0.008 min
Response: 2607107
Conc: 20.31 ug/ml



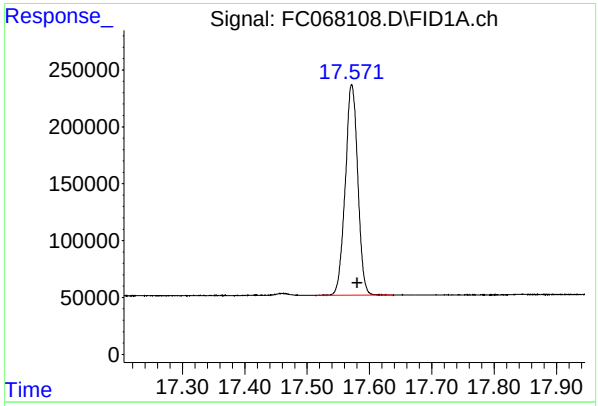
#15 n-Hexacosane (C26)

R.T.: 15.738 min
Delta R.T.: -0.008 min
Response: 2544255
Conc: 20.22 ug/ml



#16 n-Octacosane (C28)

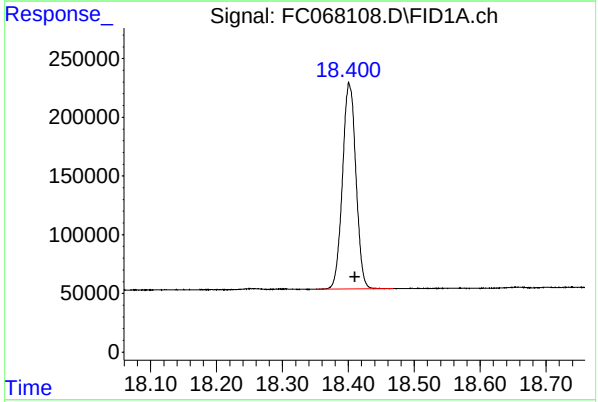
R.T.: 16.686 min
Delta R.T.: -0.007 min
Response: 2514179
Conc: 20.10 ug/ml



#17 n-Tricontane (C30)

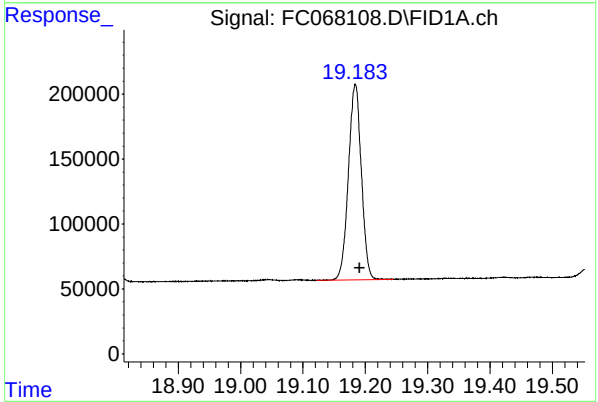
R.T.: 17.572 min
Delta R.T.: -0.009 min
Response: 2583068
Conc: 19.98 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



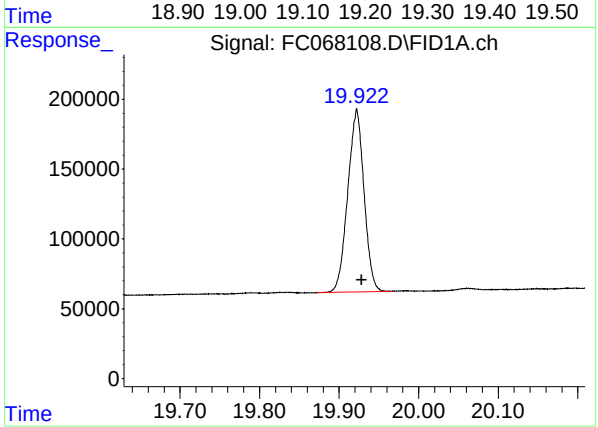
#18 n-Dotriacontane (C32)

R.T.: 18.402 min
Delta R.T.: -0.009 min
Response: 2485515
Conc: 19.88 ug/ml



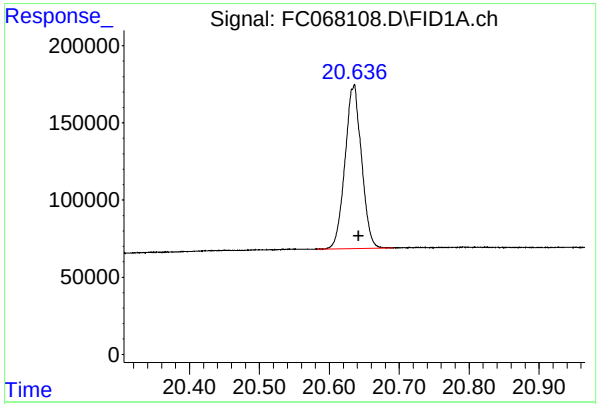
#19 n-Tetratriacontane (C34)

R.T.: 19.184 min
Delta R.T.: -0.007 min
Response: 2168265
Conc: 19.99 ug/ml



#20 n-Hexatriacontane (C36)

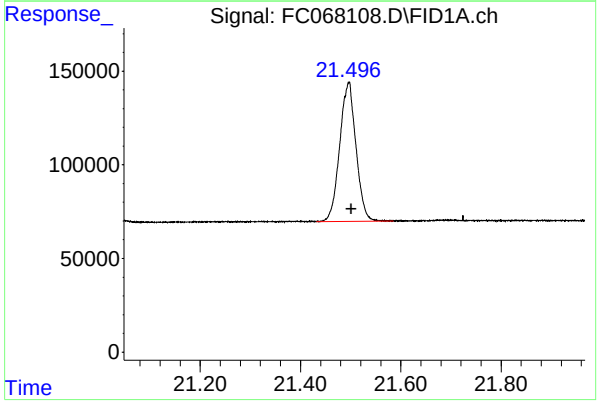
R.T.: 19.922 min
Delta R.T.: -0.006 min
Response: 1856990
Conc: 20.07 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.634 min
Delta R.T.: -0.008 min
Response: 1734577
Conc: 20.24 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.496 min
Delta R.T.: -0.005 min
Response: 1670521
Conc: 20.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
Data File : FC068108.D
Signal(s) : FID1A.ch
Acq On : 24 Jan 2025 11:46
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 012425.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	3.233	3.204	3.294	BB	343704	2856850	88.99%	5.002%
2	4.291	4.258	4.348	BB	319572	2892910	90.12%	5.065%
3	5.859	5.831	5.938	BB	328241	3146417	98.01%	5.509%
4	6.299	6.254	6.358	BB	290866	2898986	90.31%	5.075%
5	6.912	6.871	6.998	BB	295864	3016045	93.95%	5.280%
6	8.088	8.044	8.148	BB	268893	2823344	87.95%	4.943%
7	9.682	9.644	9.754	BB	254778	2866683	89.30%	5.019%
8	11.120	11.084	11.184	BB	242579	2860062	89.09%	5.007%
9	11.426	11.388	11.488	BB	290771	3210149	100.00%	5.620%
10	12.425	12.384	12.488	BB	223122	2726294	84.93%	4.773%
11	12.866	12.818	12.938	BB	197552	2353417	73.31%	4.120%
12	13.035	12.994	13.098	BB	211315	2669582	83.16%	4.674%
13	13.621	13.581	13.674	BB	216625	2632473	82.00%	4.609%
14	14.720	14.661	14.784	BB	209276	2607107	81.21%	4.564%
15	15.738	15.698	15.801	BB	189595	2544255	79.26%	4.454%
16	16.686	16.614	16.751	BB	174808	2514179	78.32%	4.402%
17	17.572	17.514	17.638	BB	185211	2583068	80.47%	4.522%
18	18.402	18.351	18.468	BB	175194	2485515	77.43%	4.352%
19	19.184	19.121	19.244	BB	150939	2168265	67.54%	3.796%
20	19.922	19.871	19.968	BB	128729	1856990	57.85%	3.251%
21	20.634	20.581	20.691	BB	104780	1734577	54.03%	3.037%
22	21.496	21.431	21.584	BB	73905	1670521	52.04%	2.925%
			Sum of corrected areas:			57117687		

Aliphatic EPH 012425.M Sat Jan 25 04:56:39 2025

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

Inital Calibration Report for SequenceID : FD012425AR

AreaCount

Parameter Range	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.D	
Aromatic C10-C12	30613634.000	15394701.000	6122051.000	3223218.000	1549258.000	
Aromatic C12-C16	46428964.000	23585820.000	9503278.000	5073670.000	2573200.000	
Aromatic C16-C21	61020495.000	30945609.000	12177178.000	6382159.000	3083864.000	
Aromatic C21-C36	126755619.000	64546927.000	25163411.000	13252912.000	6353375.000	
Aromatic EPH	264818712.000	134473057.000	52965918.000	27931959.000	13559697.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	155230.631	2.193				
Aromatic C12-C16	162211.7959996	4.672				
Aromatic C16-C21	154648.2365	1.902				
Aromatic C21-C36	142502.9217772	2.084				
Aromatic EPH	149900.8828886	2.214				

Concentration

Parameter Range	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.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	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.D	
Aromatic C10-C12	153068.170000	153947.010000	153051.275000	161160.900000	154925.800000	
Aromatic C12-C16	154763.213333	157238.800000	158387.966666	169122.333333	171546.666666	
Aromatic C16-C21	152551.237500	154728.045000	152214.725000	159553.975000	154193.200000	
Aromatic C21-C36	140839.576666	143437.615555	139796.727777	147254.577777	141186.111111	
Aromatic EPH	147121.506666	149414.507777	147127.550000	155177.550000	150663.300000	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048945.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 08:47
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Jan 25 03:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 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...	7.361	13922522	99.159 ug/ml
Spiked Amount	50.000		Recovery =	198.32%
6) S	2-Flurobiphenyl (SURR)	8.212	9285844	106.723 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	213.45%#
11) S	ortho-Terphenyl (SURR)	11.248	15536261	97.044 ug/ml
Spiked Amount	50.000		Recovery =	194.09%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.183	14992132	99.140 ug/ml
2) T	Naphthalene (C11.7)	5.701	15621502	100.862 ug/ml
3) T	2-Methylnaphthalene (...	6.749	15294014	99.536 ug/ml
5) T	Acenaphthylene (C15.06)	8.016	15709296	98.092 ug/ml
7) T	Acenaphthene (C15.5)	8.312	15425654	95.597 ug/ml
8) T	Flouorene (C16.55)	9.090	15561239	100.161 ug/ml
9) T	Phenanthrene (C19.36)	10.478	15143368	100.608 ug/ml
10) T	Anthracene (C19.43)	10.554	15070696	99.531 ug/ml
12) T	Fluoranthene (C21.85)	12.284	15255755	99.511 ug/ml
13) T	Pyrene (C20.8)	12.578	15245192	100.588 ug/ml
14) T	Benzo[a]anthracene (C...	14.448	14536834	108.005 ug/ml
15) T	Chrysene (C27.41)	14.493	14824620	93.785 ug/ml
16) T	benzo[b]fluoranthene ...	15.998	14473755	103.784 ug/ml
17) T	Bnezo[k]fluoranthene ...	15.998	14473755	94.453 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.376	13621709	100.096 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	12714636	128.017 ug/ml
20) T	Dibenz[a,h]anthracene...	17.781	13210762	91.042 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.999	13643793	98.165 ug/ml

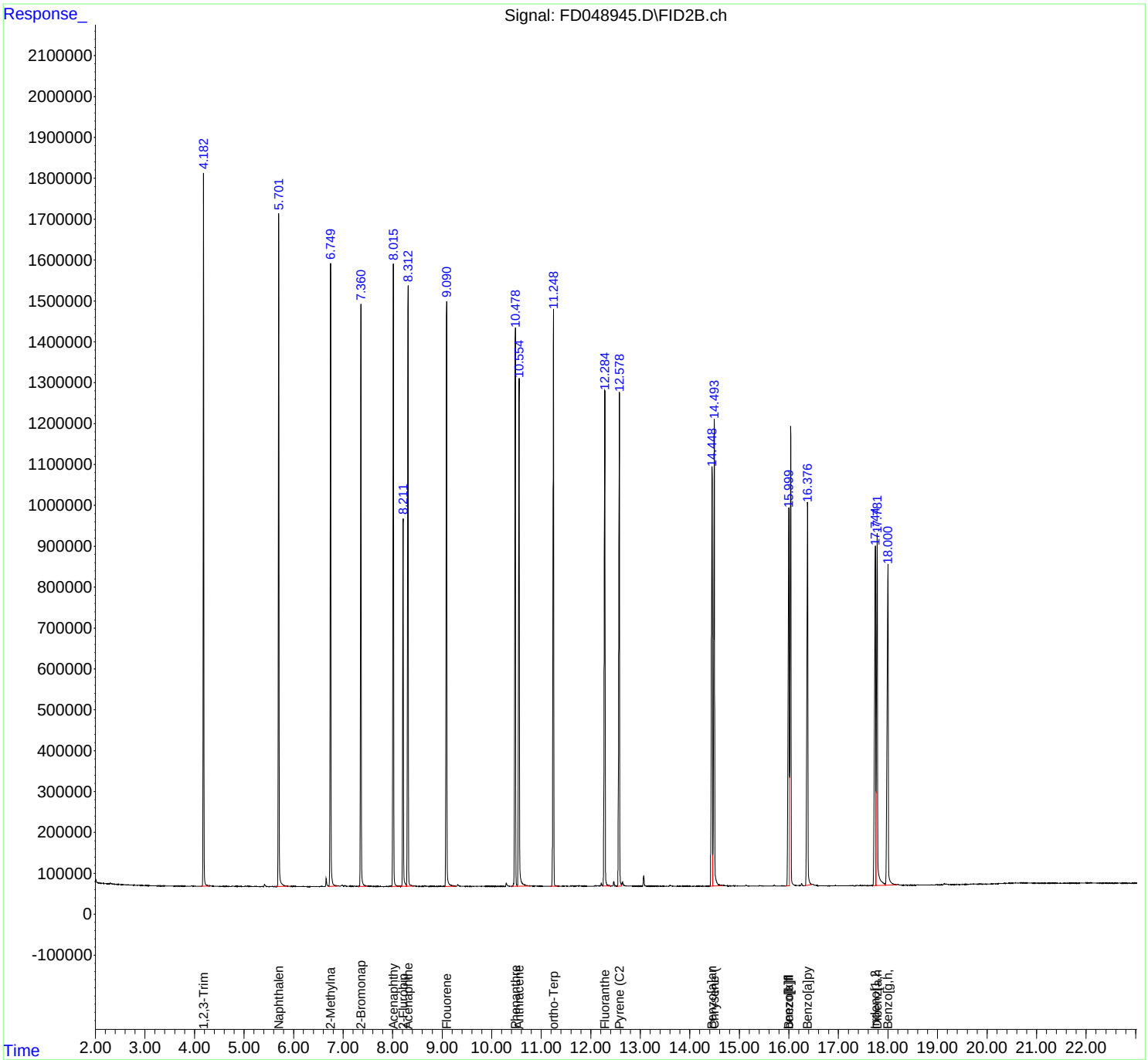
(f)=RT Delta > 1/2 Window (m)=manual int.

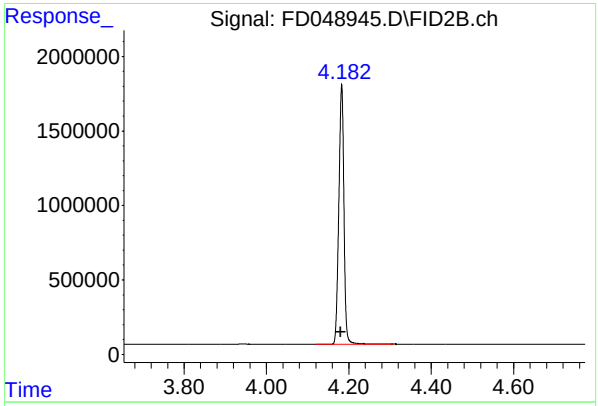
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048945.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 08:47
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Jan 25 03:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

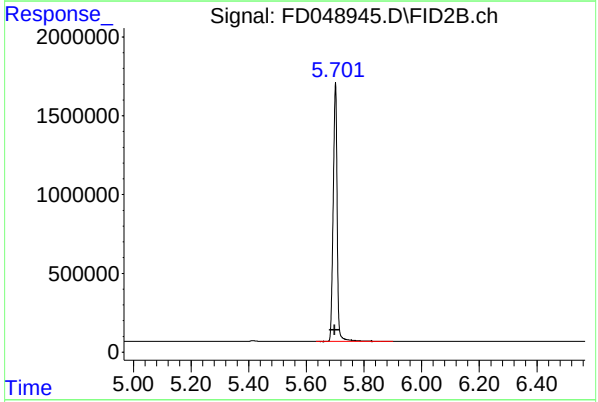




#1 1,2,3-Trimethylbenzene (C10.1)

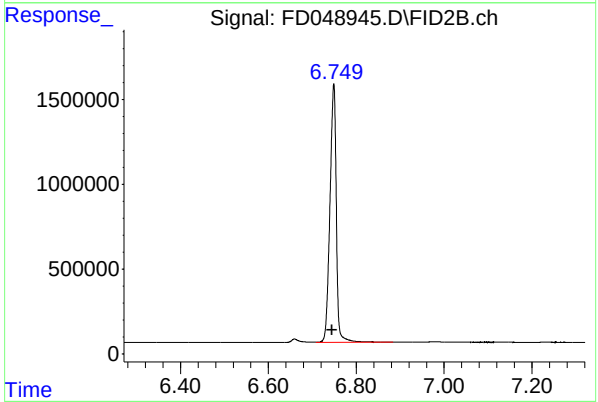
R.T.: 4.183 min
Delta R.T.: 0.003 min
Response: 14992132
Conc: 99.14 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



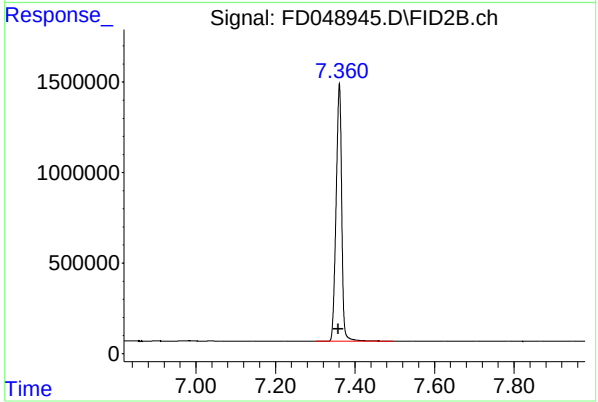
#2 Naphthalene (C11.7)

R.T.: 5.701 min
Delta R.T.: 0.003 min
Response: 15621502
Conc: 100.86 ug/ml



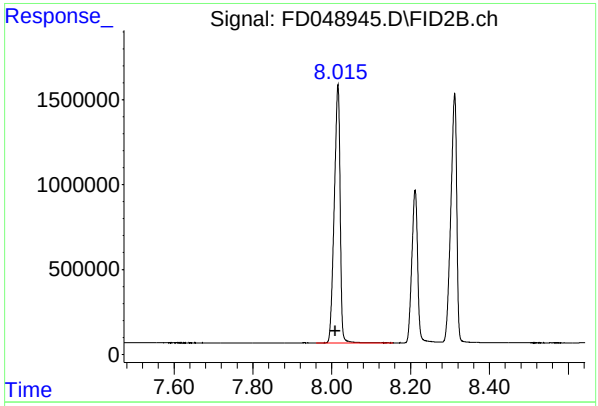
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.749 min
Delta R.T.: 0.004 min
Response: 15294014
Conc: 99.54 ug/ml



#4 2-Bromonaphthalene (SURR)

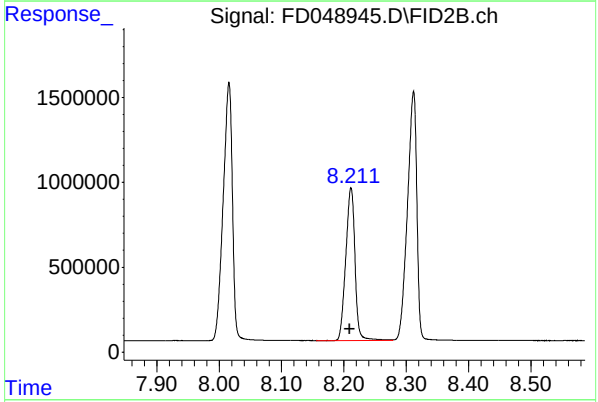
R.T.: 7.361 min
Delta R.T.: 0.003 min
Response: 13922522
Conc: 99.16 ug/ml



#5 Acenaphthylene (C15.06)

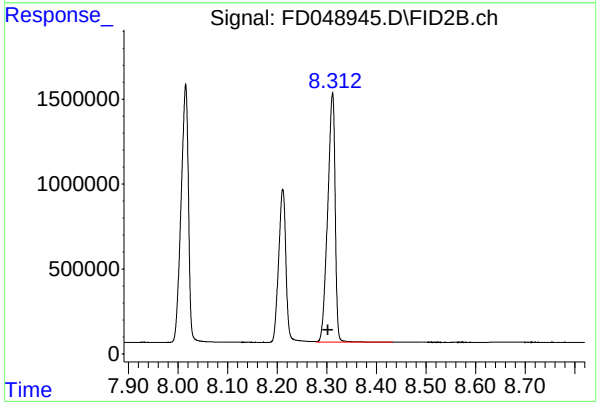
R.T.: 8.016 min
Delta R.T.: 0.006 min
Response: 15709296
Conc: 98.09 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



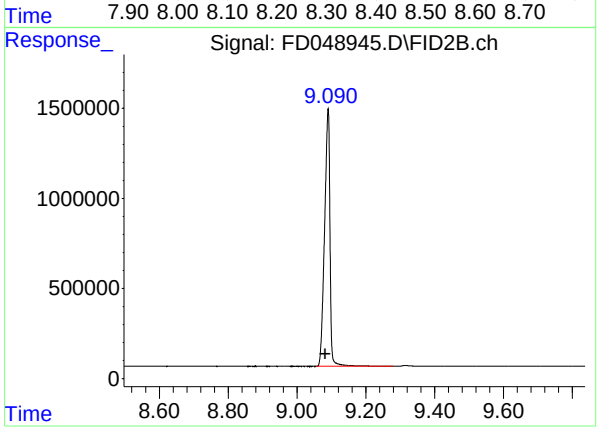
#6 2-Flurobiphenyl (SURR)

R.T.: 8.212 min
Delta R.T.: 0.002 min
Response: 9285844
Conc: 106.72 ug/ml



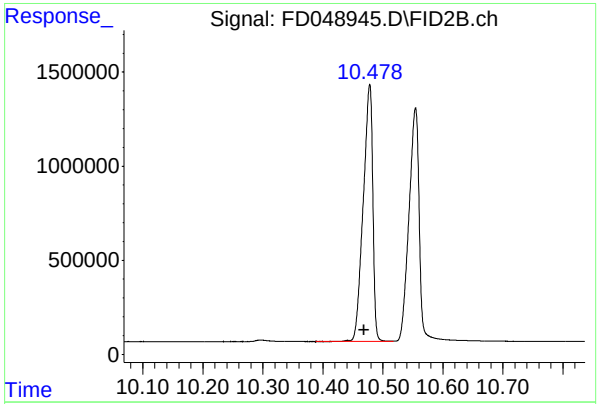
#7 Acenaphthene (C15.5)

R.T.: 8.312 min
Delta R.T.: 0.009 min
Response: 15425654
Conc: 95.60 ug/ml



#8 Flouorene (C16.55)

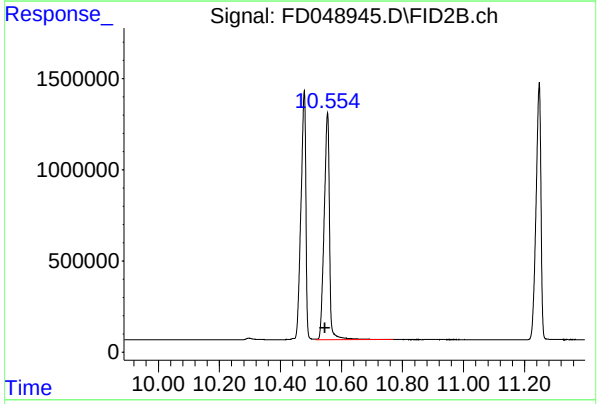
R.T.: 9.090 min
Delta R.T.: 0.008 min
Response: 15561239
Conc: 100.16 ug/ml



#9 Phenanthrene (C19.36)

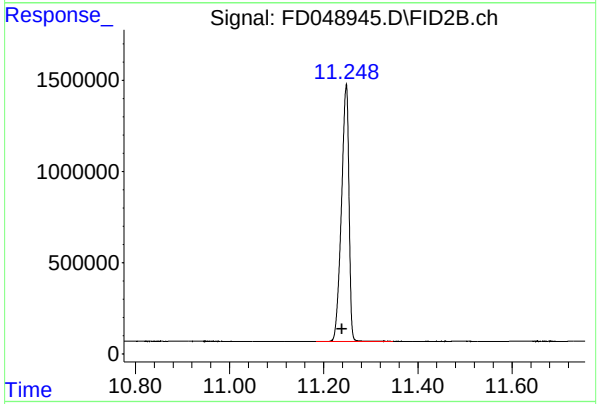
R.T.: 10.478 min
Delta R.T.: 0.009 min
Response: 15143368
Conc: 100.61 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



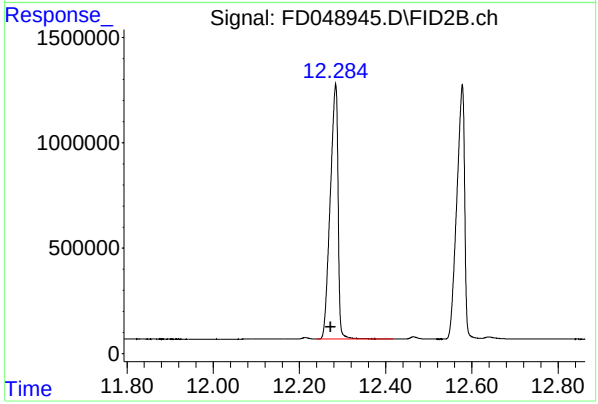
#10 Anthracene (C19.43)

R.T.: 10.554 min
Delta R.T.: 0.008 min
Response: 15070696
Conc: 99.53 ug/ml



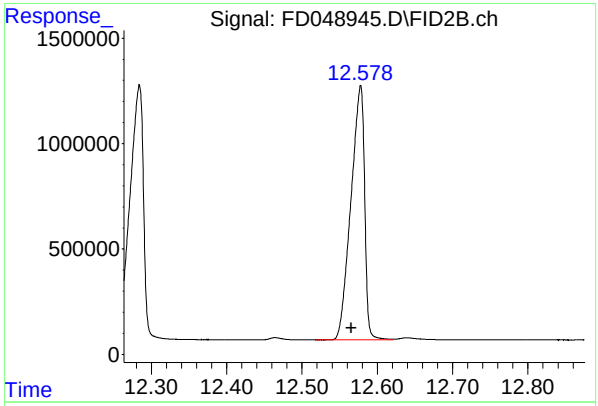
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.009 min
Response: 15536261
Conc: 97.04 ug/ml



#12 Fluoranthene (C21.85)

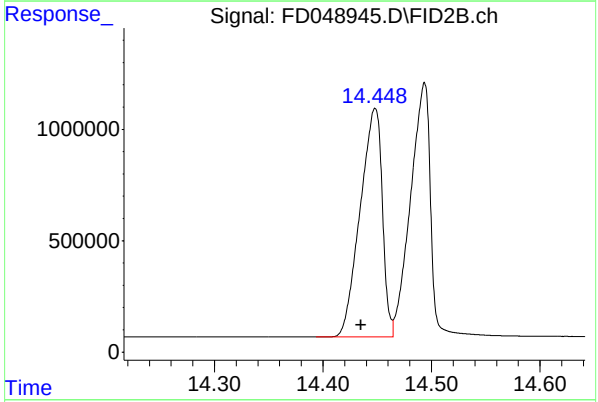
R.T.: 12.284 min
Delta R.T.: 0.011 min
Response: 15255755
Conc: 99.51 ug/ml



#13 Pyrene (C20.8)

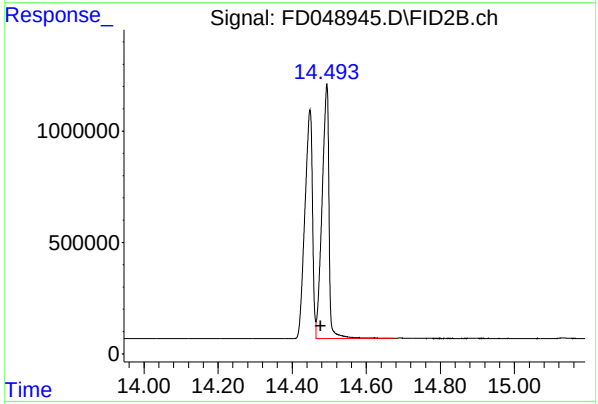
R.T.: 12.578 min
Delta R.T.: 0.012 min
Response: 15245192
Conc: 100.59 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



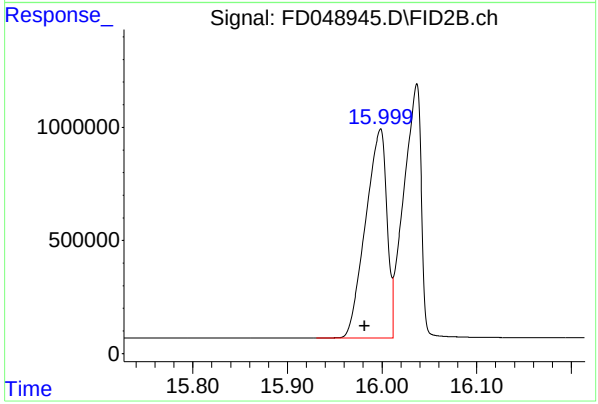
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.448 min
Delta R.T.: 0.013 min
Response: 14536834
Conc: 108.00 ug/ml



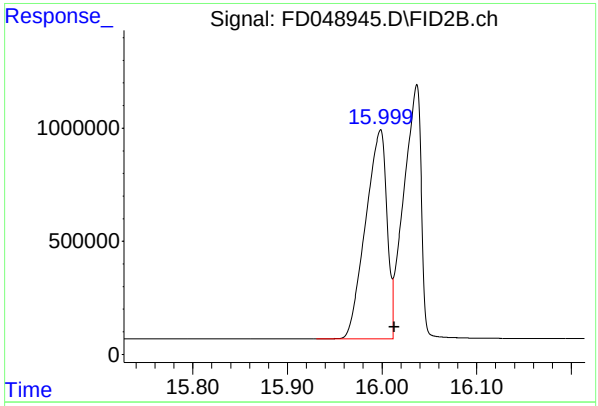
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: 0.017 min
Response: 14824620
Conc: 93.78 ug/ml



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

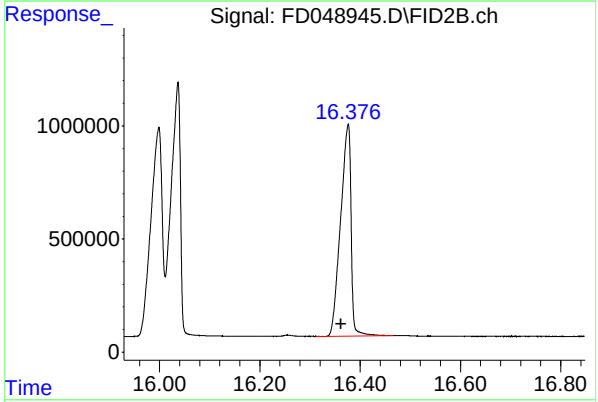
R.T.: 15.998 min
Delta R.T.: 0.017 min
Response: 14473755
Conc: 103.78 ug/ml



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

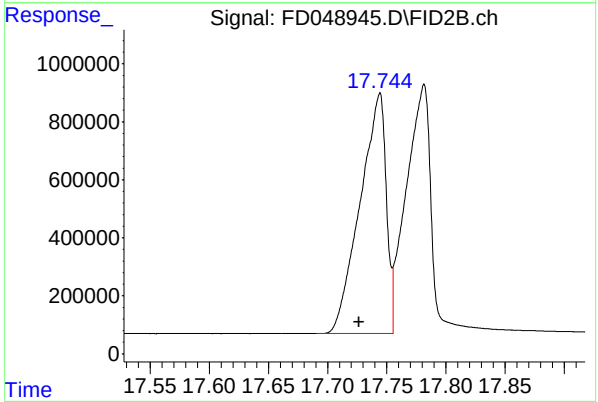
R.T.: 15.998 min
Delta R.T.: -0.015 min
Response: 14473755
Conc: 94.45 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



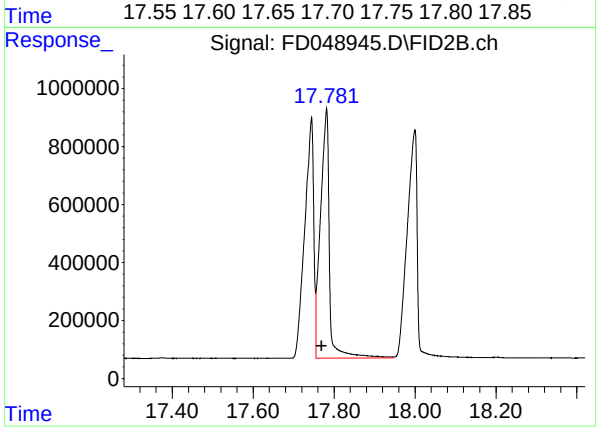
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.376 min
Delta R.T.: 0.014 min
Response: 13621709
Conc: 100.10 ug/ml



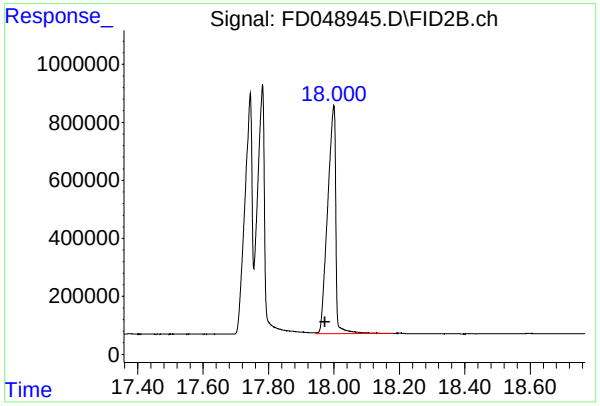
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: 0.017 min
Response: 12714636
Conc: 128.02 ug/ml



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

R.T.: 17.781 min
Delta R.T.: 0.012 min
Response: 13210762
Conc: 91.04 ug/ml



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

R.T.: 17.999 min
Delta R.T.: 0.027 mi
Response: 13643793
Conc: 98.16 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048945.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 08:47
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.183	4.120	4.307	BB	1736777	14992132	95.43%	4.938%
2	5.701	5.634	5.900	BB	1636672	15621502	99.44%	5.145%
3	6.749	6.709	6.884	VV	1523243	15294014	97.36%	5.037%
4	7.361	7.302	7.495	BB	1420699	13922522	88.63%	4.586%
5	8.016	7.960	8.155	BB	1519038	15709296	100.00%	5.174%
6	8.212	8.155	8.279	BV	899991	9285844	59.11%	3.058%
7	8.312	8.279	8.434	VB	1470056	15425654	98.19%	5.081%
8	9.090	9.055	9.279	BV	1431998	15561239	99.06%	5.125%
9	10.478	10.389	10.517	BV	1370701	15143368	96.40%	4.988%
10	10.554	10.517	10.769	VB	1239458	15070696	95.93%	4.964%
11	11.248	11.184	11.347	BB	1417944	15536261	98.90%	5.117%
12	12.284	12.239	12.417	PB	1209317	15255755	97.11%	5.025%
13	12.578	12.519	12.621	BV	1203145	15245192	97.05%	5.021%
14	14.448	14.394	14.464	BV	1026109	14536834	92.54%	4.788%
15	14.493	14.464	14.672	VV	1143610	14824620	94.37%	4.883%
16	15.998	15.930	16.012	BV	924869	14473755	92.13%	4.767%
17	16.036	16.012	16.170	VB	1127650	14526725	92.47%	4.785%
18	16.376	16.312	16.465	BV	933031	13621709	86.71%	4.486%
19	17.744	17.690	17.755	BV	825909	12714636	80.94%	4.188%
20	17.781	17.755	17.945	VV	862836	13210762	84.10%	4.351%
21	17.999	17.945	18.180	VV	783684	13643793	86.85%	4.494%
			Sum of corrected areas:			303616305		

Aromatic EPH 012425.M Sat Jan 25 03:46:58 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048946.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:23
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Jan 25 03:31:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 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...	7.357	7023342	50.022 ug/ml
Spiked Amount	50.000		Recovery =	100.04%
6) S	2-Flurobiphenyl (SURR)	8.208	4633464	53.253 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	106.51%
11) S	ortho-Terphenyl (SURR)	11.242	7916217	49.447 ug/ml
Spiked Amount	50.000		Recovery =	98.89%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.180	7560849	49.998 ug/ml
2) T	Naphthalene (C11.7)	5.698	7833852	50.580 ug/ml
3) T	2-Methylnaphthalene (...	6.745	7715439	50.213 ug/ml
5) T	Acenaphthylene (C15.06)	8.011	7975025	49.797 ug/ml
7) T	Acenaphthene (C15.5)	8.305	7895356	48.930 ug/ml
8) T	Flouorene (C16.55)	9.083	7857497	50.576 ug/ml
9) T	Phenanthrene (C19.36)	10.471	7661334	50.900 ug/ml
10) T	Anthracene (C19.43)	10.546	7663855	50.614 ug/ml
12) T	Fluoranthene (C21.85)	12.275	7770594	50.686 ug/ml
13) T	Pyrene (C20.8)	12.568	7762923	51.220 ug/ml
14) T	Benzo[a]anthracene (C...	14.441	7288947	54.155 ug/ml
15) T	Chrysene (C27.41)	14.482	7652930	48.415 ug/ml
16) T	benzo[b]fluoranthene ...	15.989	7300281	52.346 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.022	7491870	48.891 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.363	7044465	51.765 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.730	5943659	59.844 ug/ml
20) T	Dibenz[a,h]anthracene...	17.766	7086685	48.838 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.982	6967496	50.130 ug/ml

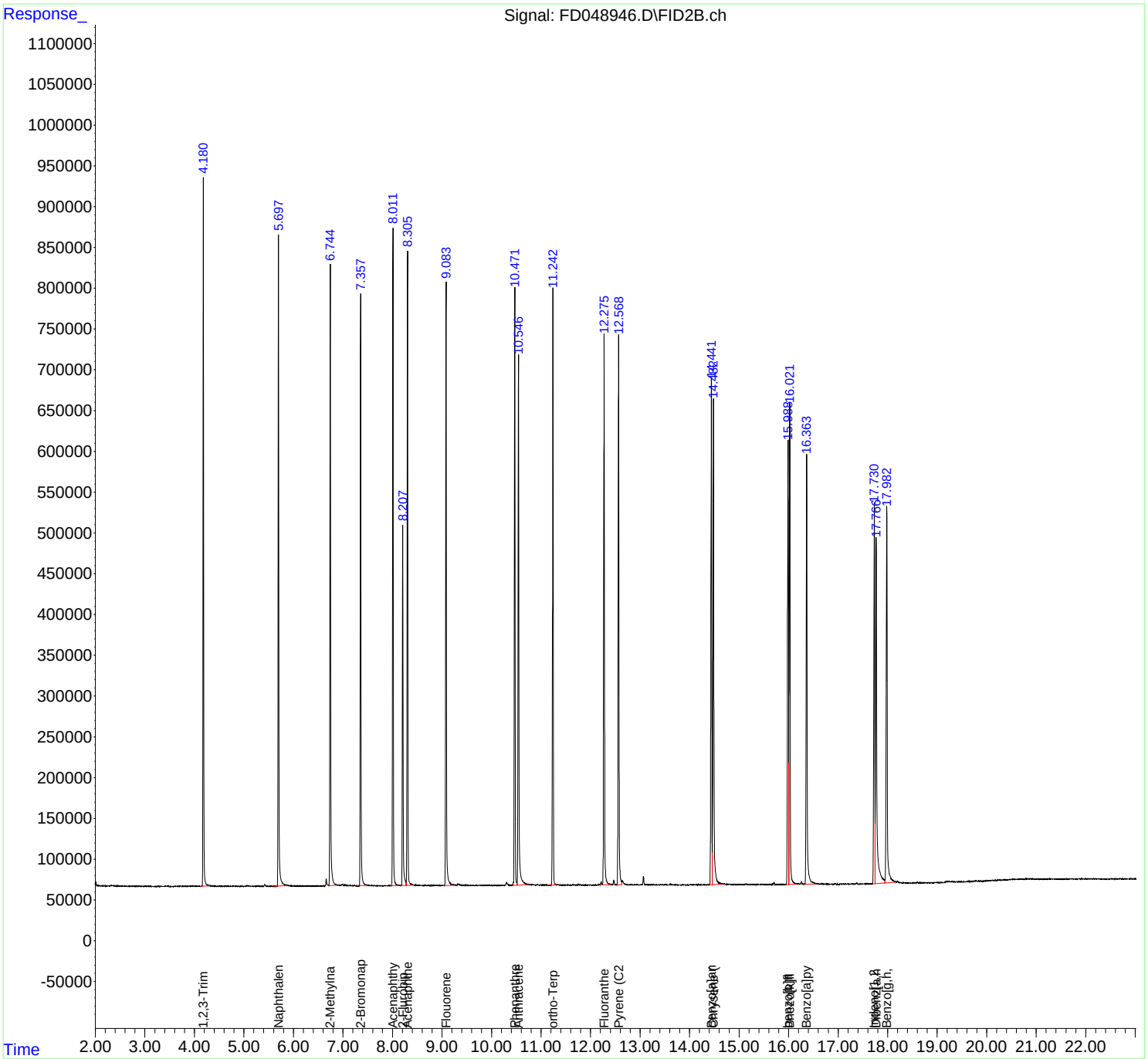
(f)=RT Delta > 1/2 Window (m)=manual int.

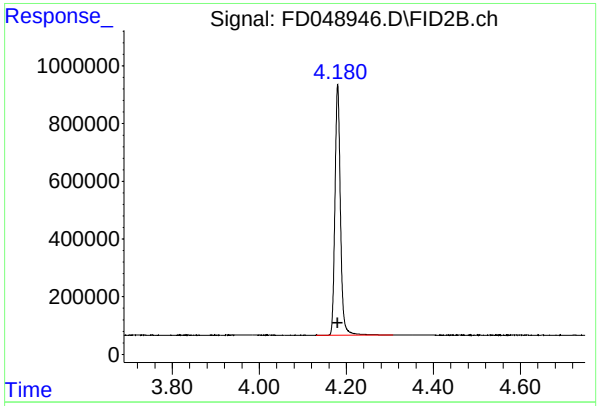
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048946.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:23
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Jan 25 03:31:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

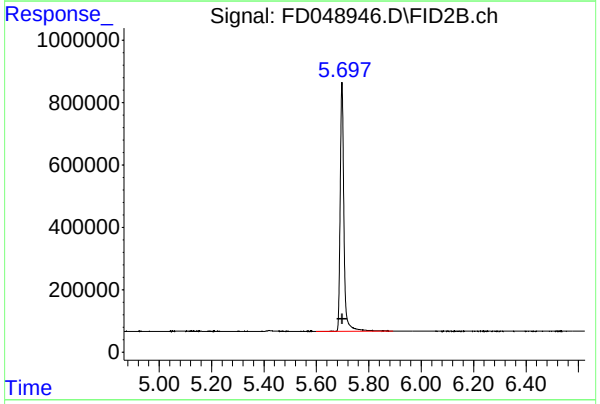




#1 1,2,3-Trimethylbenzene (C10.1)

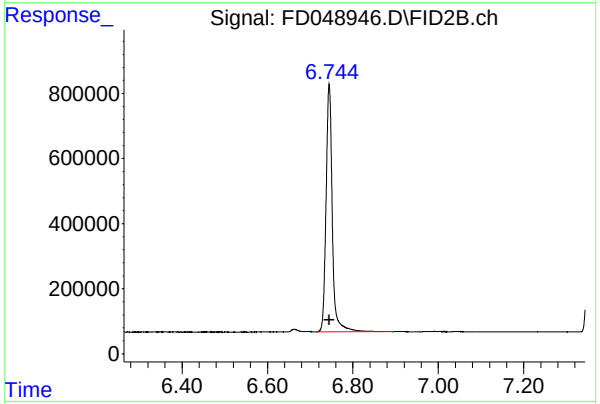
R.T.: 4.180 min
Delta R.T.: 0.000 min
Response: 7560849
Conc: 50.00 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



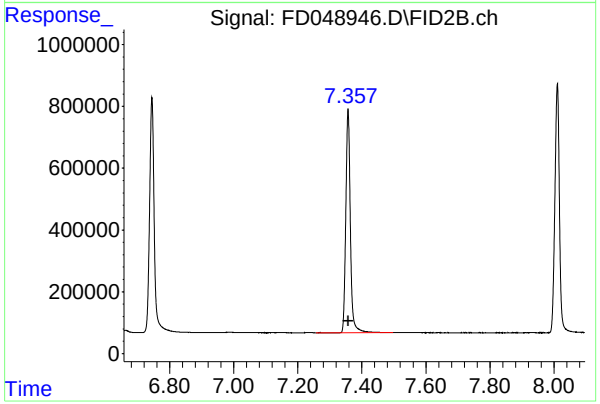
#2 Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 7833852
Conc: 50.58 ug/ml



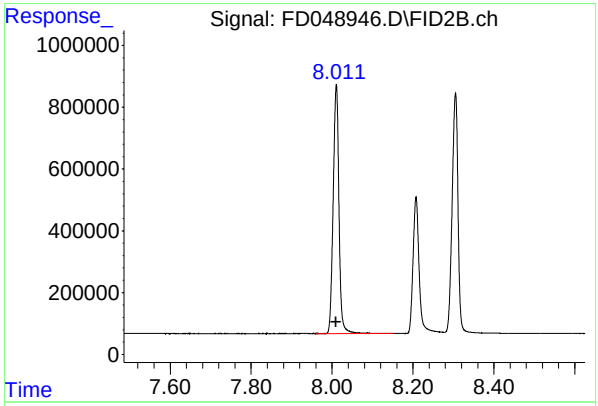
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 7715439
Conc: 50.21 ug/ml



#4 2-Bromonaphthalene (SURR)

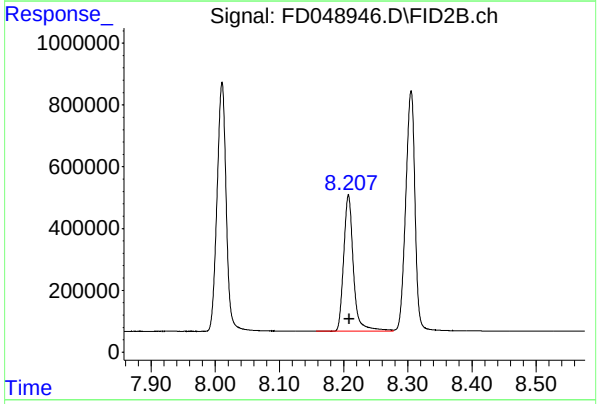
R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 7023342
Conc: 50.02 ug/ml



#5 Acenaphthylene (C15.06)

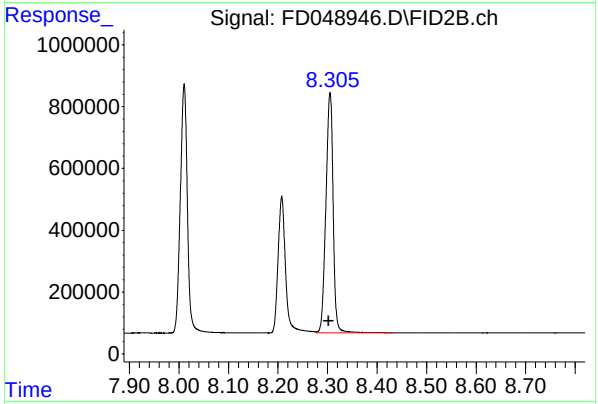
R.T.: 8.011 min
Delta R.T.: 0.001 min
Response: 7975025
Conc: 49.80 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



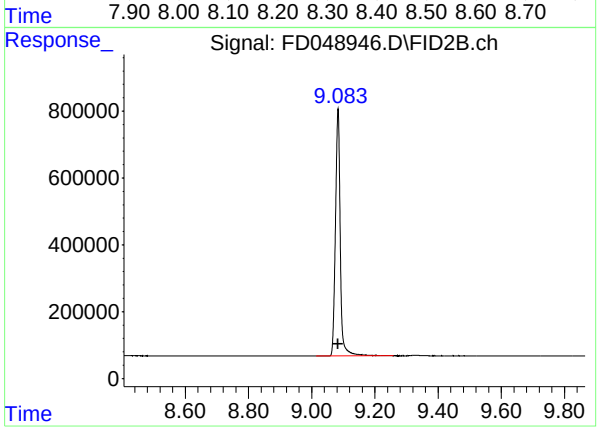
#6 2-Flurobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.002 min
Response: 4633464
Conc: 53.25 ug/ml



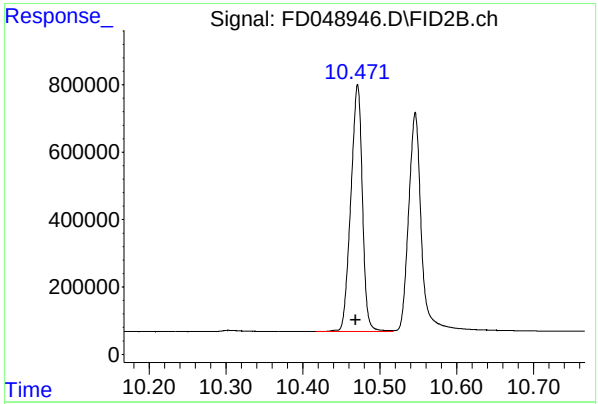
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.003 min
Response: 7895356
Conc: 48.93 ug/ml



#8 Flouorene (C16.55)

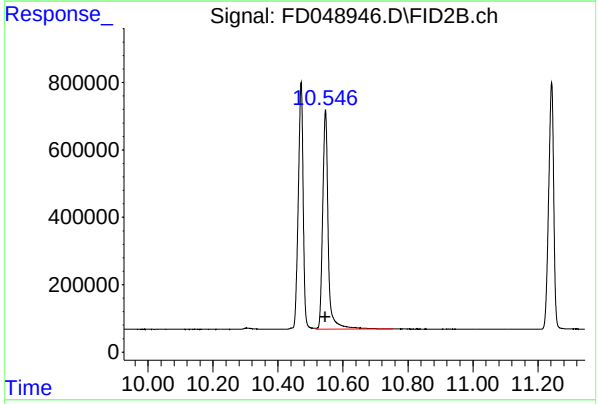
R.T.: 9.083 min
Delta R.T.: 0.000 min
Response: 7857497
Conc: 50.58 ug/ml



#9 Phenanthrene (C19.36)

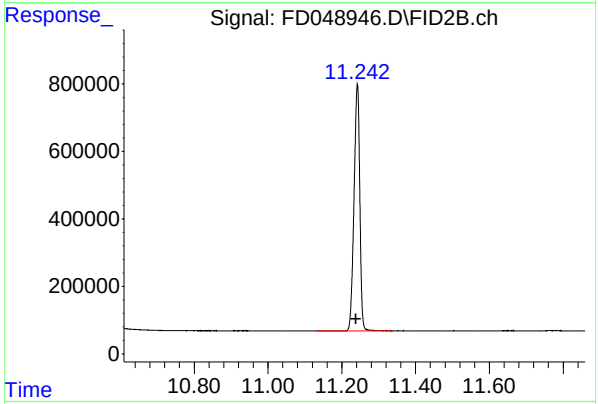
R.T.: 10.471 min
Delta R.T.: 0.003 min
Response: 7661334
Conc: 50.90 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



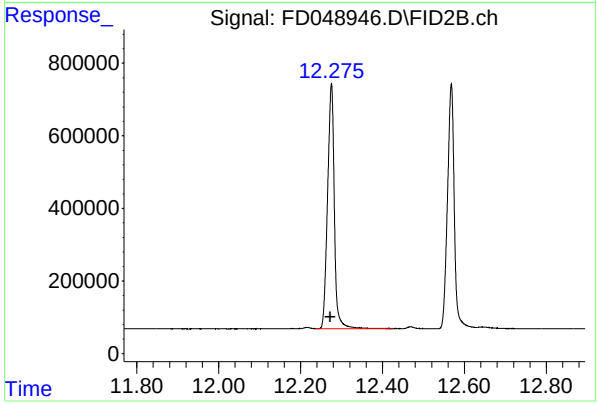
#10 Anthracene (C19.43)

R.T.: 10.546 min
Delta R.T.: 0.000 min
Response: 7663855
Conc: 50.61 ug/ml



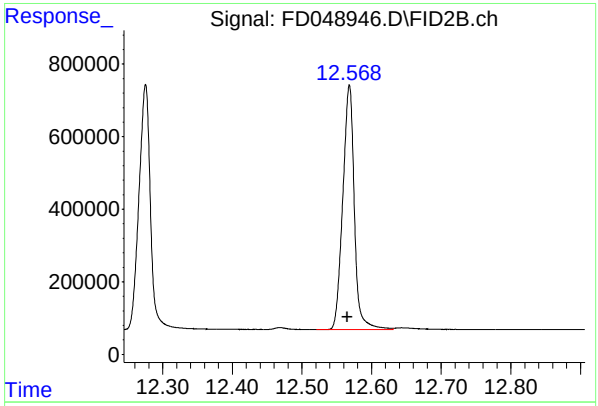
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: 0.003 min
Response: 7916217
Conc: 49.45 ug/ml



#12 Fluoranthene (C21.85)

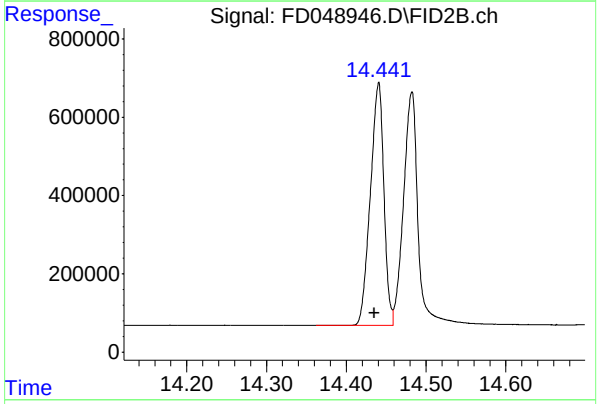
R.T.: 12.275 min
Delta R.T.: 0.002 min
Response: 7770594
Conc: 50.69 ug/ml



#13 Pyrene (C20.8)

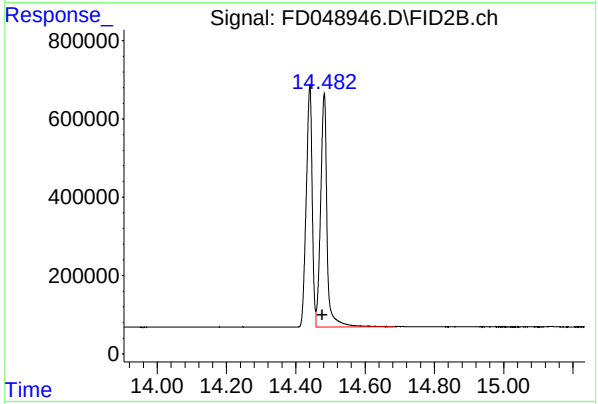
R.T.: 12.568 min
Delta R.T.: 0.003 min
Response: 7762923
Conc: 51.22 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



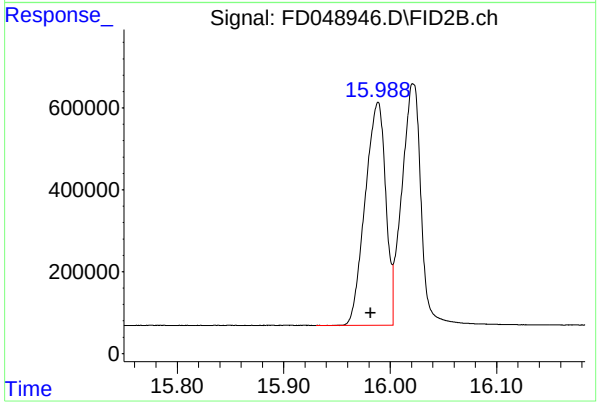
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.441 min
Delta R.T.: 0.006 min
Response: 7288947
Conc: 54.16 ug/ml



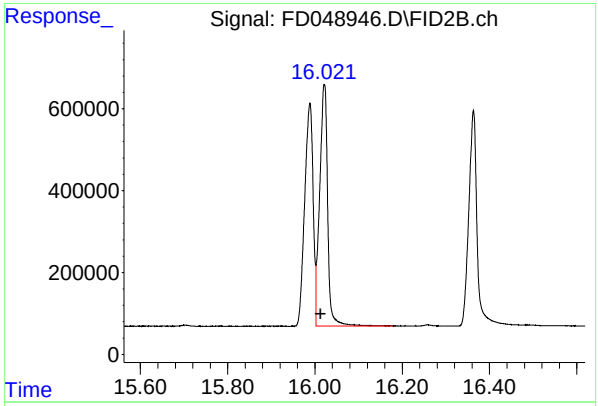
#15 Chrysene (C27.41)

R.T.: 14.482 min
Delta R.T.: 0.006 min
Response: 7652930
Conc: 48.41 ug/ml



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

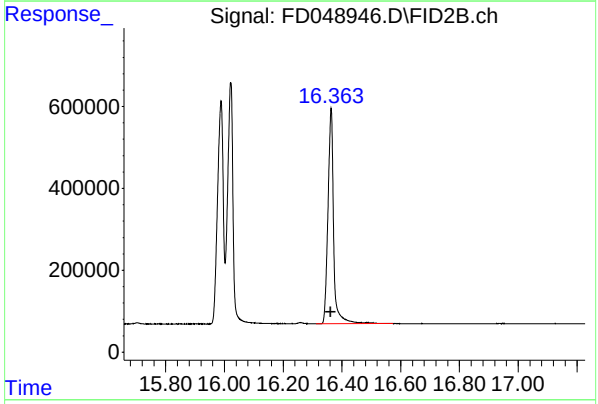
R.T.: 15.989 min
Delta R.T.: 0.007 min
Response: 7300281
Conc: 52.35 ug/ml



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

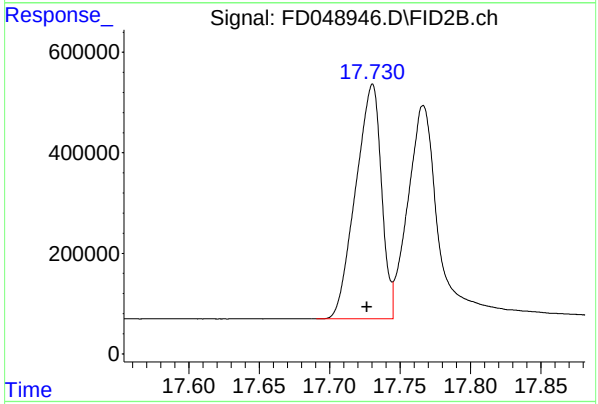
R.T.: 16.022 min
Delta R.T.: 0.009 min
Response: 7491870
Conc: 48.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



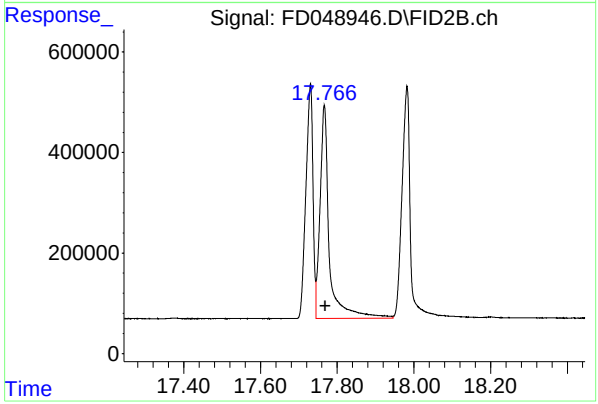
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.363 min
Delta R.T.: 0.002 min
Response: 7044465
Conc: 51.76 ug/ml



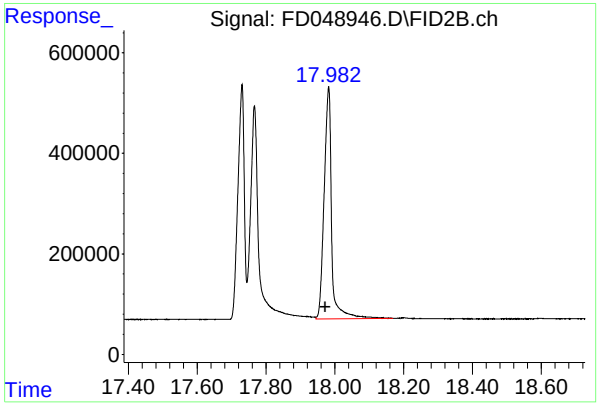
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min
Delta R.T.: 0.004 min
Response: 5943659
Conc: 59.84 ug/ml



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

R.T.: 17.766 min
Delta R.T.: -0.003 min
Response: 7086685
Conc: 48.84 ug/ml



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

R.T.: 17.982 min
Delta R.T.: 0.010 mi
Response: 6967496
Conc: 50.13 ug/m

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048946.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:23
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.180	4.130	4.307	BB	868449	7560849	94.81%	4.908%
2	5.698	5.599	5.892	BB	798478	7833852	98.23%	5.085%
3	6.745	6.714	6.894	VV	762428	7715439	96.75%	5.009%
4	7.357	7.257	7.497	PB	724369	7023342	88.07%	4.559%
5	8.011	7.960	8.150	BB	805518	7975025	100.00%	5.177%
6	8.208	8.157	8.277	BV	440660	4633464	58.10%	3.008%
7	8.305	8.277	8.432	VB	777977	7895356	99.00%	5.125%
8	9.083	9.014	9.257	BB	740035	7857497	98.53%	5.101%
9	10.471	10.417	10.517	BV	733078	7661334	96.07%	4.973%
10	10.546	10.517	10.754	VB	649439	7663855	96.10%	4.975%
11	11.242	11.130	11.339	BB	731852	7916217	99.26%	5.139%
12	12.275	12.238	12.425	VB	675814	7770594	97.44%	5.044%
13	12.568	12.520	12.631	BV	675194	7762923	97.34%	5.039%
14	14.441	14.362	14.458	BV	618813	7288947	91.40%	4.732%
15	14.482	14.458	14.680	VV	595519	7652930	95.96%	4.968%
16	15.989	15.930	16.003	BV	545666	7300281	91.54%	4.739%
17	16.022	16.003	16.179	VB	589707	7491870	93.94%	4.863%
18	16.363	16.312	16.574	BB	526307	7044465	88.33%	4.573%
19	17.730	17.690	17.745	BV	467658	5943659	74.53%	3.858%
20	17.766	17.745	17.945	VV	424602	7086685	88.86%	4.600%
21	17.982	17.945	18.169	VV	461651	6967496	87.37%	4.523%

Sum of corrected areas: 154046082

Aromatic EPH 012425.M Sat Jan 25 03:47:24 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048947.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:58
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Jan 25 03:29:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 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...	7.358	2808122	20.000 ug/ml
	Spiked Amount 50.000		Recovery = 40.00%	
6)	S 2-Flurobiphenyl (SURR)	8.209	1740176	20.000 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 40.00%	
11)	S ortho-Terphenyl (SURR)	11.239	3201898	20.000 ug/ml
	Spiked Amount 50.000		Recovery = 40.00%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.180	3024439	20.000 ug/ml
2)	T Naphthalene (C11.7)	5.699	3097612	20.000 ug/ml
3)	T 2-Methylnaphthalene (...	6.745	3073064	20.000 ug/ml
5)	T Acenaphthylene (C15.06)	8.009	3202988	20.000 ug/ml
7)	T Acenaphthene (C15.5)	8.302	3227226	20.000 ug/ml
8)	T Flouorene (C16.55)	9.083	3107231	20.000 ug/ml
9)	T Phenanthrene (C19.36)	10.469	3010366	20.000 ug/ml
10)	T Anthracene (C19.43)	10.546	3028354	20.000 ug/ml
12)	T Fluoranthene (C21.85)	12.273	3066144	20.000 ug/ml
13)	T Pyrene (C20.8)	12.565	3031227	20.000 ug/ml
14)	T Benzo[a]anthracene (C...	14.435	2691882	20.000 ug/ml
15)	T Chrysene (C27.41)	14.476	3161412	20.000 ug/ml
16)	T benzo[b]fluoranthene ...	15.982	2789216	20.000 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.013	3064740	20.000 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.362	2721730	20.000 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.727	1986390	20.000 ug/ml
20)	T Dibenz[a,h]anthracene...	17.769	2902119	20.000 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.972	2779778	20.000 ug/ml

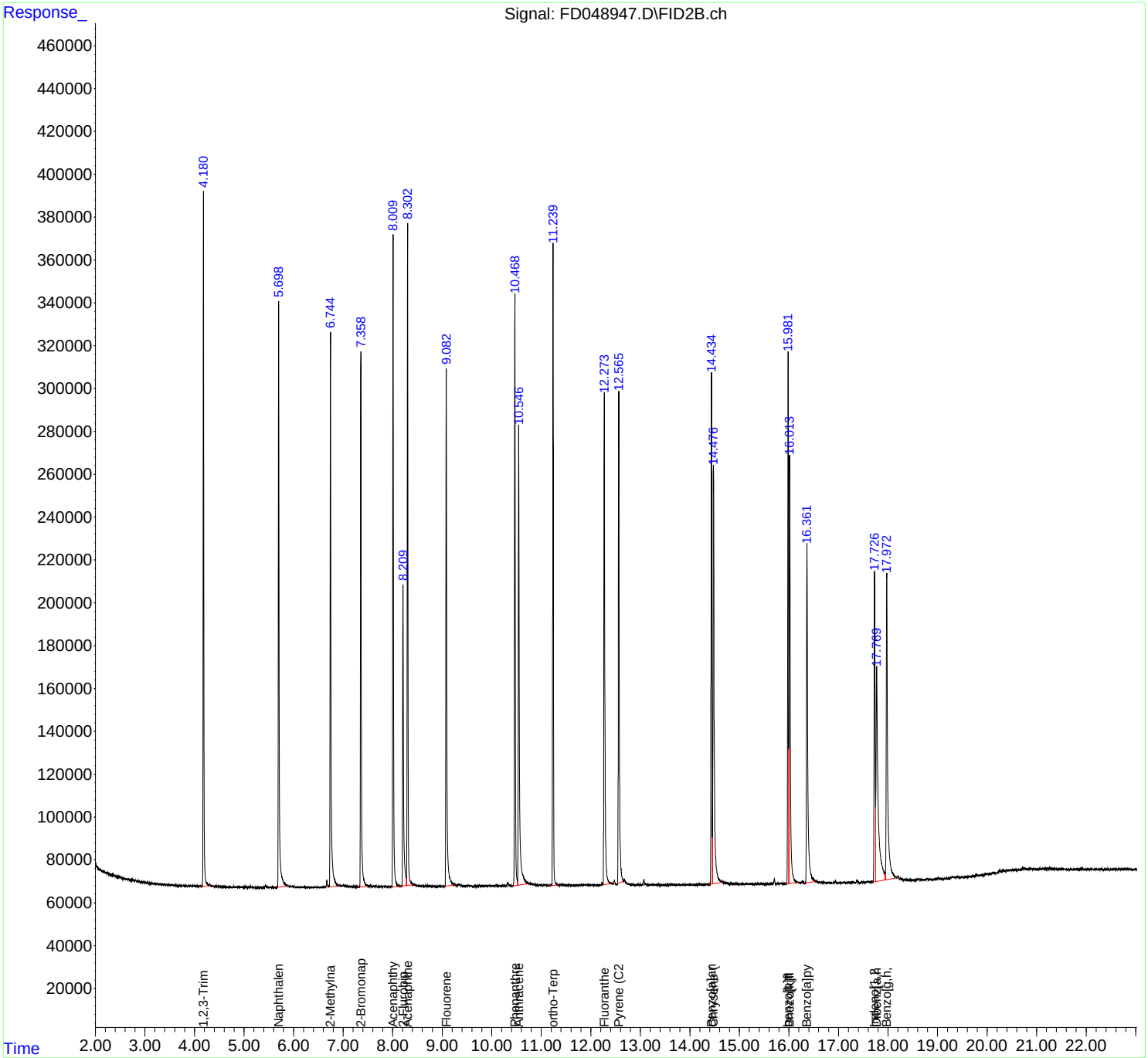
(f)=RT Delta > 1/2 Window (m)=manual int.

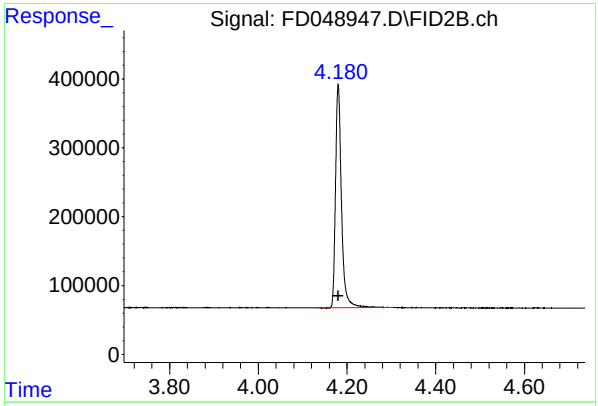
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048947.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:58
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Jan 25 03:29:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

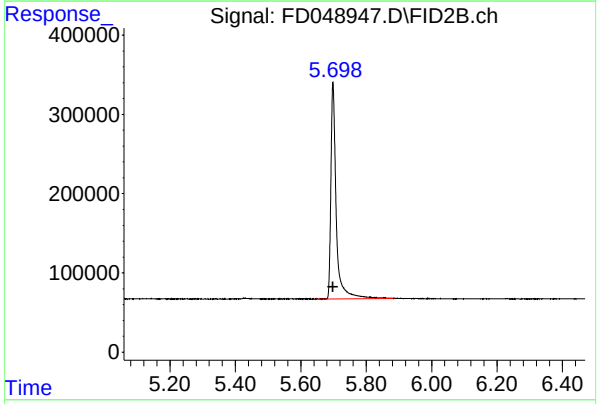




#1 1,2,3-Trimethylbenzene (C10.1)

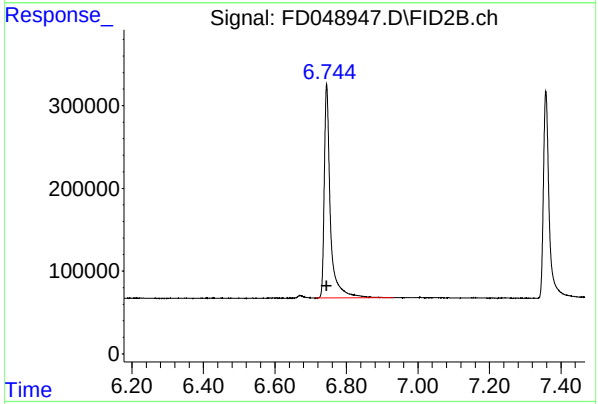
R.T.: 4.180 min
Delta R.T.: 0.000 min
Response: 3024439
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



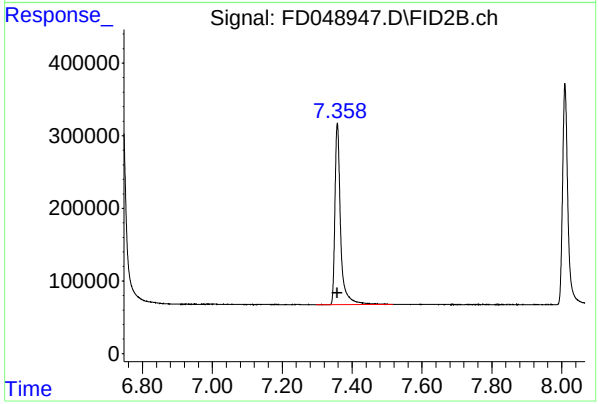
#2 Naphthalene (C11.7)

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 3097612
Conc: 20.00 ug/ml



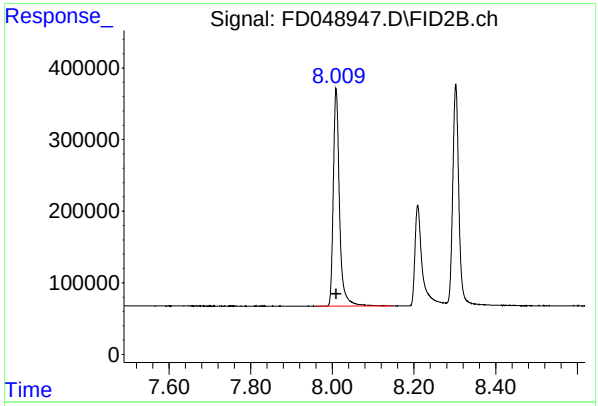
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3073064
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

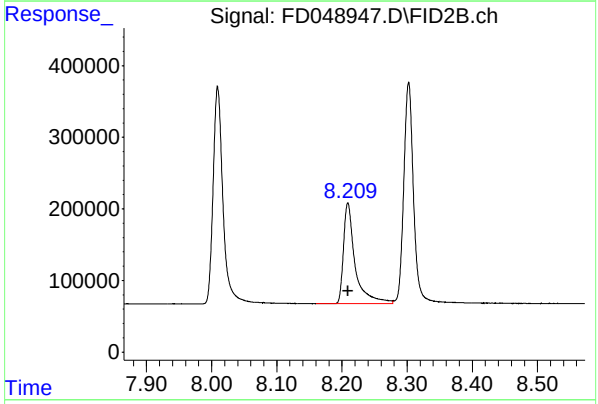
R.T.: 7.358 min
Delta R.T.: 0.000 min
Response: 2808122
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

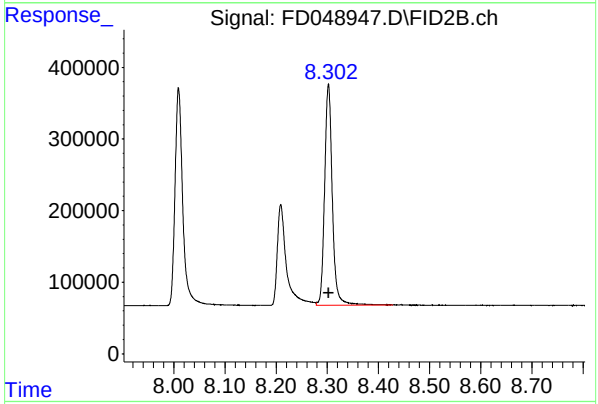
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 3202988
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



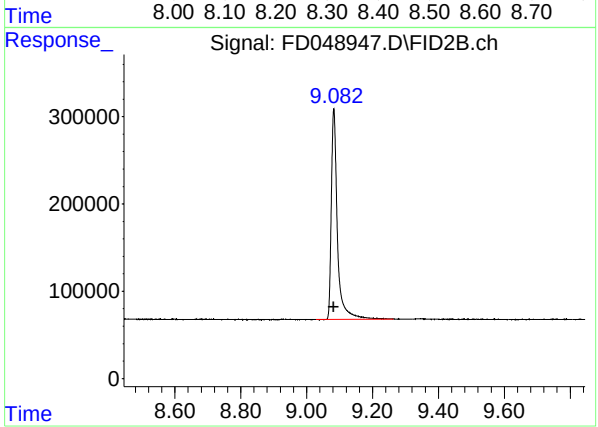
#6 2-Flurobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: 0.000 min
Response: 1740176
Conc: 20.00 ug/ml



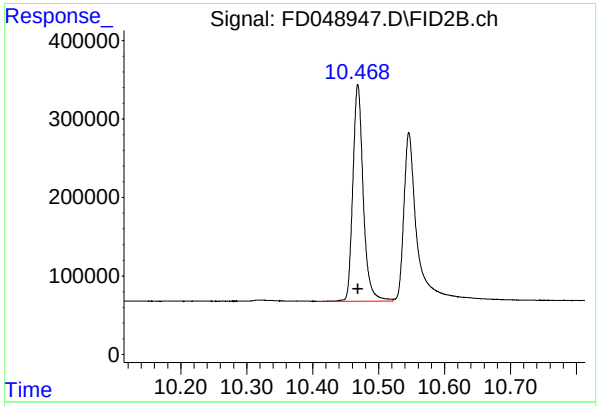
#7 Acenaphthene (C15.5)

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 3227226
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

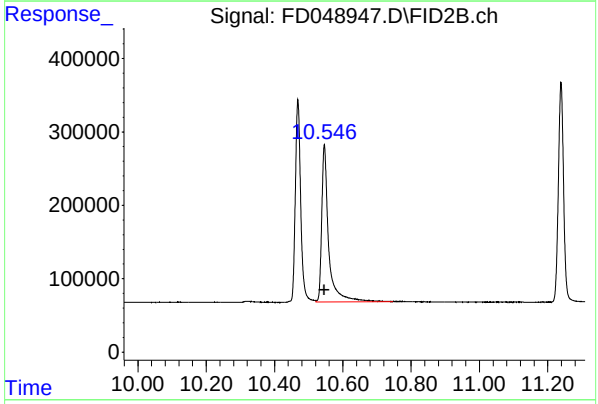
R.T.: 9.083 min
Delta R.T.: 0.000 min
Response: 3107231
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

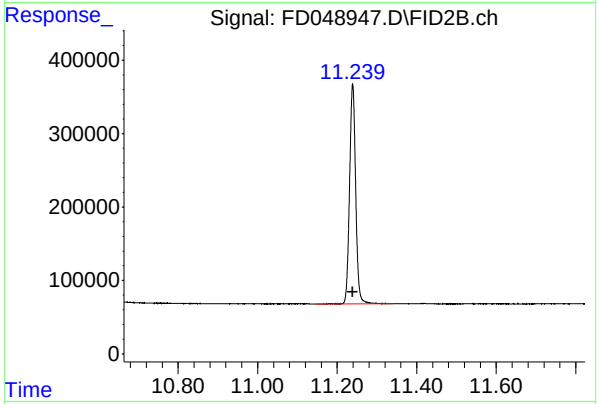
R.T.: 10.469 min
Delta R.T.: 0.000 min
Response: 3010366
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



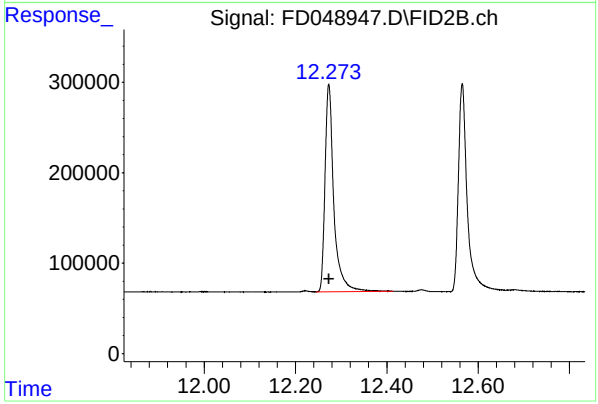
#10 Anthracene (C19.43)

R.T.: 10.546 min
Delta R.T.: 0.000 min
Response: 3028354
Conc: 20.00 ug/ml



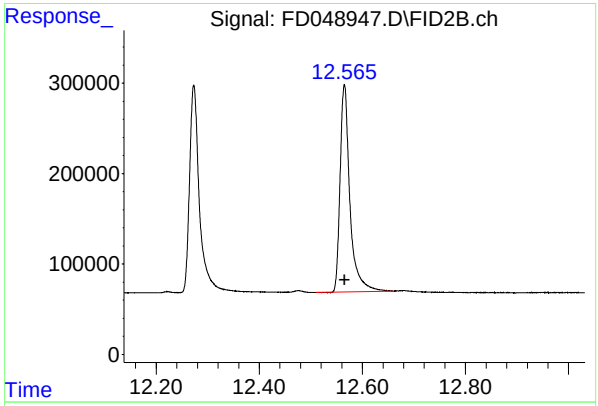
#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 3201898
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

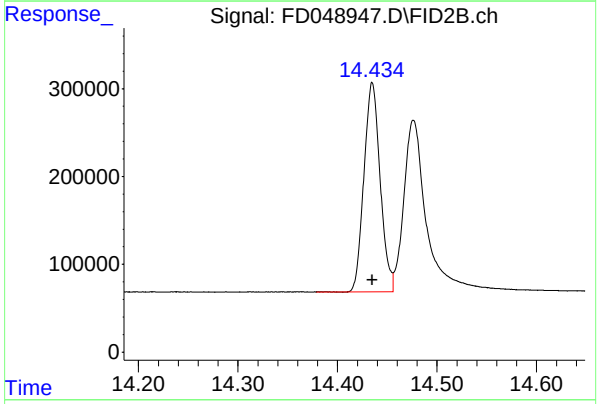
R.T.: 12.273 min
Delta R.T.: 0.000 min
Response: 3066144
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

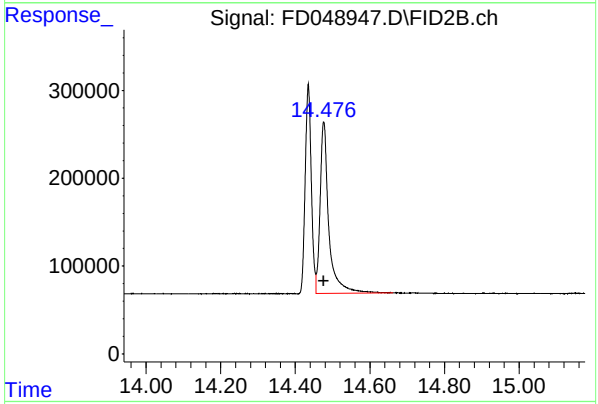
R.T.: 12.565 min
Delta R.T.: 0.000 min
Response: 3031227
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



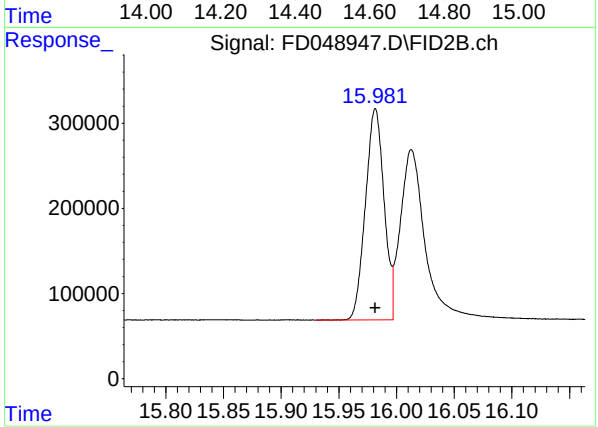
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.435 min
Delta R.T.: 0.000 min
Response: 2691882
Conc: 20.00 ug/ml



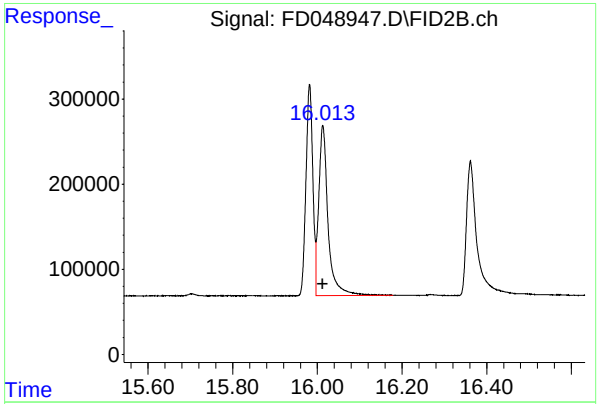
#15 Chrysene (C27.41)

R.T.: 14.476 min
Delta R.T.: 0.000 min
Response: 3161412
Conc: 20.00 ug/ml



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

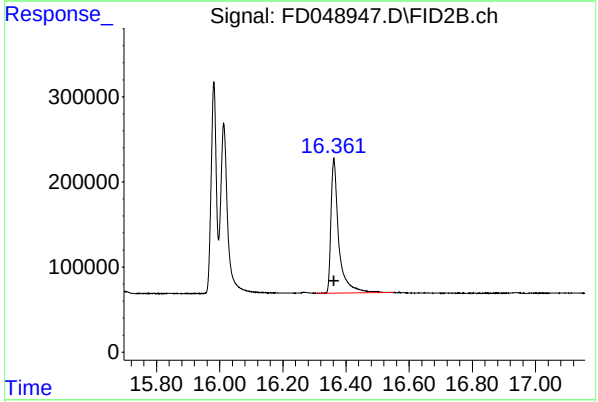
R.T.: 15.982 min
Delta R.T.: 0.000 min
Response: 2789216
Conc: 20.00 ug/ml



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

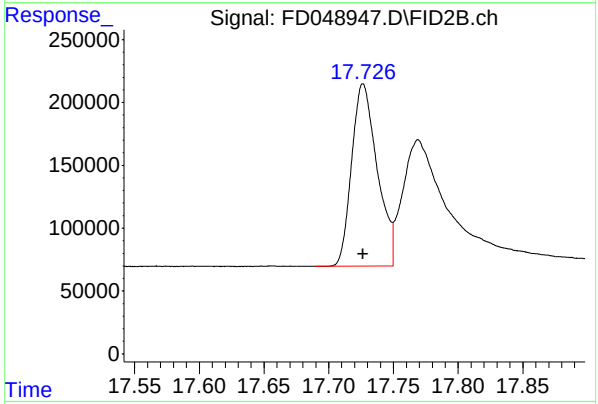
R.T.: 16.013 min
Delta R.T.: 0.000 min
Response: 3064740
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



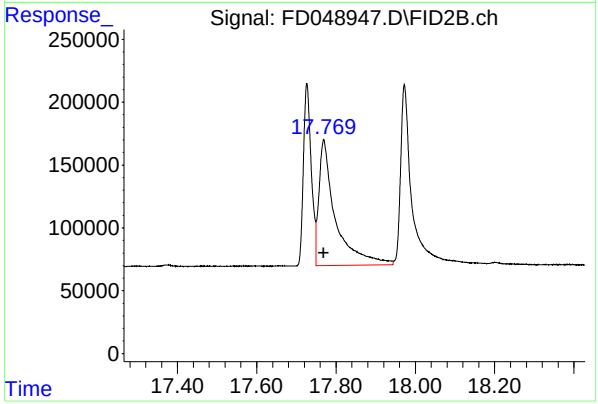
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min
Delta R.T.: 0.000 min
Response: 2721730
Conc: 20.00 ug/ml



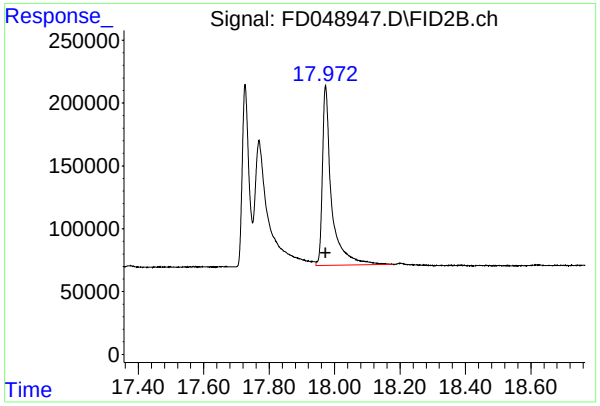
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min
Delta R.T.: 0.000 min
Response: 1986390
Conc: 20.00 ug/ml



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

R.T.: 17.769 min
Delta R.T.: 0.000 min
Response: 2902119
Conc: 20.00 ug/ml



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

R.T.: 17.972 min
Delta R.T.: 0.000 mi
Response: 2779778
Conc: 20.00 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048947.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:58
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.180	4.130	4.303	BB	324018	3024439	93.72%	4.981%
2	5.699	5.647	5.882	BB	272926	3097612	95.98%	5.102%
3	6.745	6.715	6.930	BB	258229	3073064	95.22%	5.061%
4	7.358	7.297	7.517	BB	250433	2808122	87.01%	4.625%
5	8.009	7.960	8.148	BB	303813	3202988	99.25%	5.275%
6	8.209	8.160	8.278	BV	140619	1740176	53.92%	2.866%
7	8.302	8.278	8.428	VB	308524	3227226	100.00%	5.315%
8	9.083	9.028	9.262	BB	241476	3107231	96.28%	5.118%
9	10.469	10.405	10.522	BV	276143	3010366	93.28%	4.958%
10	10.546	10.522	10.747	VB	213957	3028354	93.84%	4.988%
11	11.239	11.147	11.340	BB	299992	3201898	99.22%	5.274%
12	12.273	12.245	12.413	BB	229453	3066144	95.01%	5.050%
13	12.565	12.510	12.659	BV	229677	3031227	93.93%	4.992%
14	14.435	14.378	14.456	BV	238271	2691882	83.41%	4.434%
15	14.476	14.456	14.662	VB	195270	3161412	97.96%	5.207%
16	15.982	15.930	15.997	BV	248399	2789216	86.43%	4.594%
17	16.013	15.997	16.178	VB	199815	3064740	94.97%	5.048%
18	16.362	16.305	16.548	BB	158092	2721730	84.34%	4.483%
19	17.727	17.690	17.750	BV	145010	1986390	61.55%	3.272%
20	17.769	17.750	17.943	VV	100428	2902119	89.93%	4.780%
21	17.972	17.943	18.178	VV	142970	2779778	86.14%	4.578%
			Sum of corrected areas:			60716111		

Aromatic EPH 012425.M Sat Jan 25 03:47:39 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048948.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 10:34
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Jan 25 03:31:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 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...	7.360	1479402	10.537 ug/ml
Spiked Amount	50.000		Recovery =	21.07%
6) S	2-Flurobiphenyl (SURR)	8.215	849450	9.763 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	19.53%
11) S	ortho-Terphenyl (SURR)	11.239	1726263	10.783 ug/ml
Spiked Amount	50.000		Recovery =	21.57%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.182	1604565	10.611 ug/ml
2) T	Naphthalene (C11.7)	5.702	1618653	10.451 ug/ml
3) T	2-Methylnaphthalene (...	6.748	1607311	10.461 ug/ml
5) T	Acenaphthylene (C15.06)	8.011	1700004	10.615 ug/ml
7) T	Acenaphthene (C15.5)	8.302	1766355	10.947 ug/ml
8) T	Flouorene (C16.55)	9.086	1613538	10.386 ug/ml
9) T	Phenanthrene (C19.36)	10.471	1562014	10.378 ug/ml
10) T	Anthracene (C19.43)	10.550	1574502	10.398 ug/ml
12) T	Fluoranthene (C21.85)	12.278	1631103	10.639 ug/ml
13) T	Pyrene (C20.8)	12.569	1632105	10.769 ug/ml
14) T	Benzo[a]anthracene (C...	14.439	1226846	9.115 ug/ml
15) T	Chrysene (C27.41)	14.478	1859136	11.761 ug/ml
16) T	benzo[b]fluoranthene ...	15.984	1354636	9.713 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.016	1754098	11.447 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.371	1447102	10.634 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.739	938875	9.453 ug/ml
20) T	Dibenz[a,h]anthracene...	17.785	1549713	10.680 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.980	1491403	10.730 ug/ml

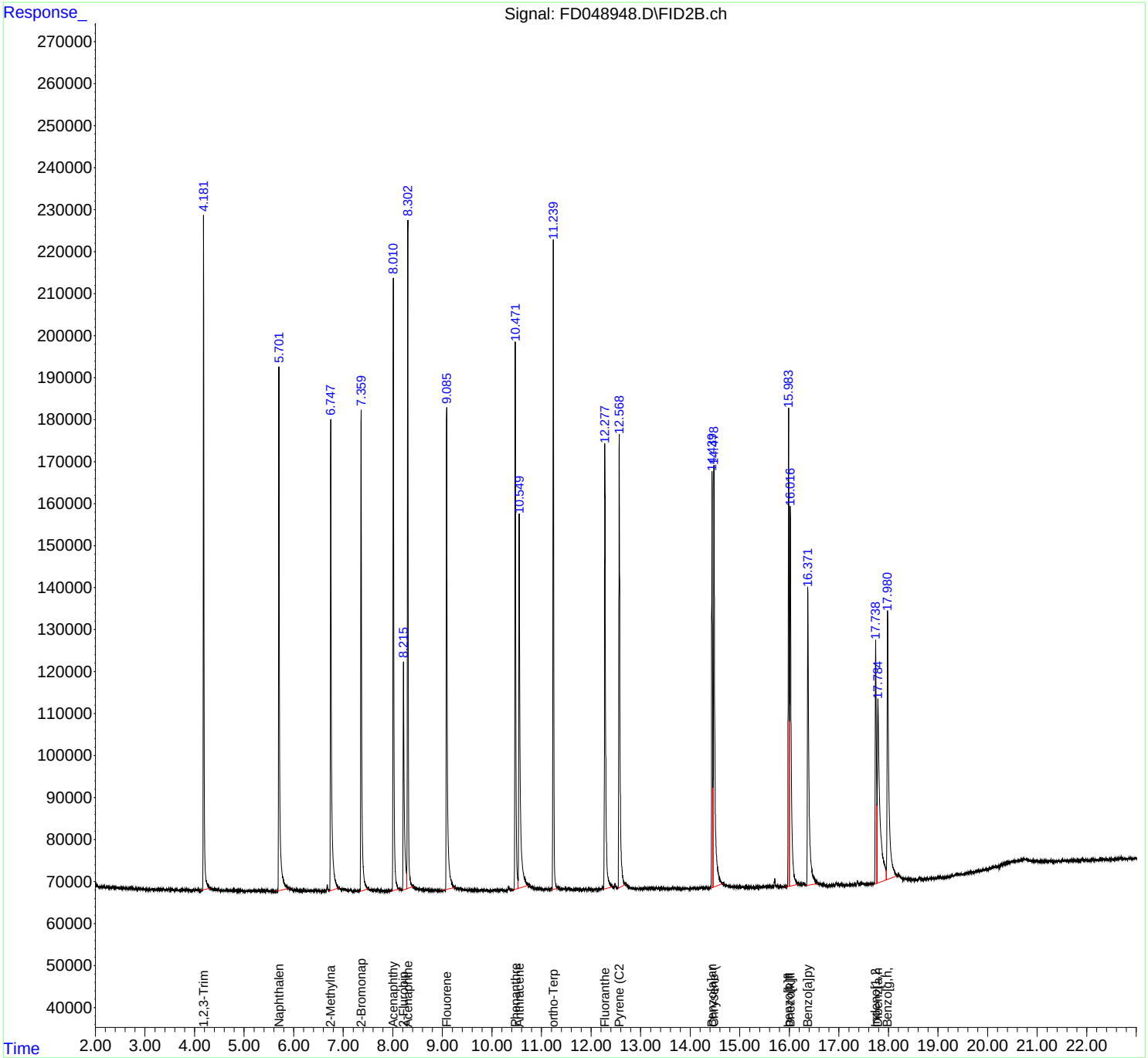
(f)=RT Delta > 1/2 Window (m)=manual int.

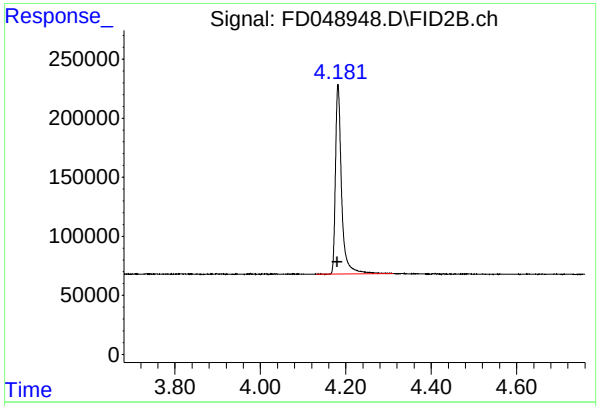
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048948.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 10:34
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Jan 25 03:31:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

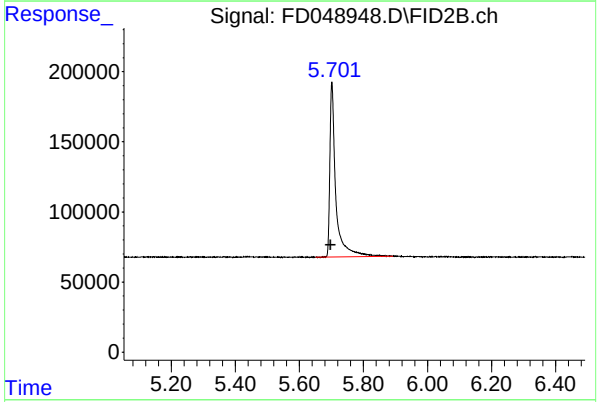




#1 1,2,3-Trimethylbenzene (C10.1)

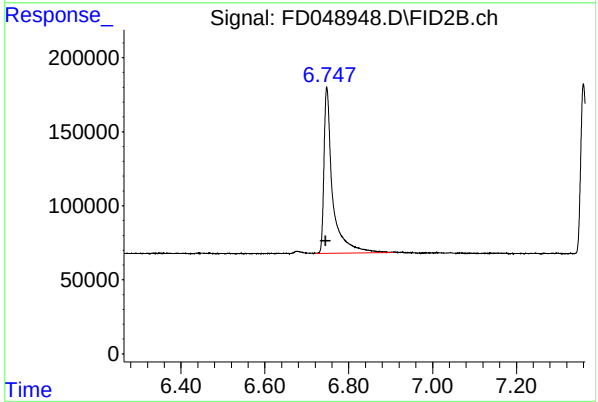
R.T.: 4.182 min
Delta R.T.: 0.002 min
Response: 1604565
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



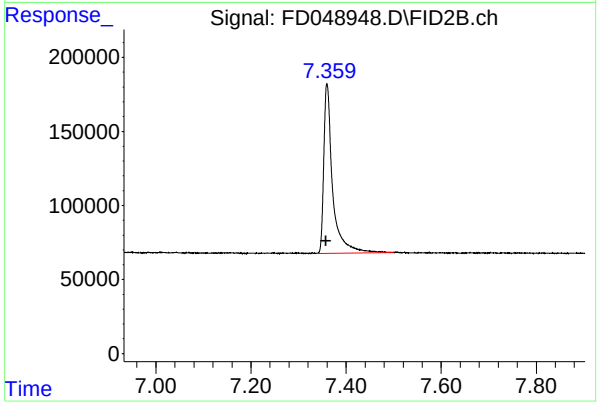
#2 Naphthalene (C11.7)

R.T.: 5.702 min
Delta R.T.: 0.003 min
Response: 1618653
Conc: 10.45 ug/ml



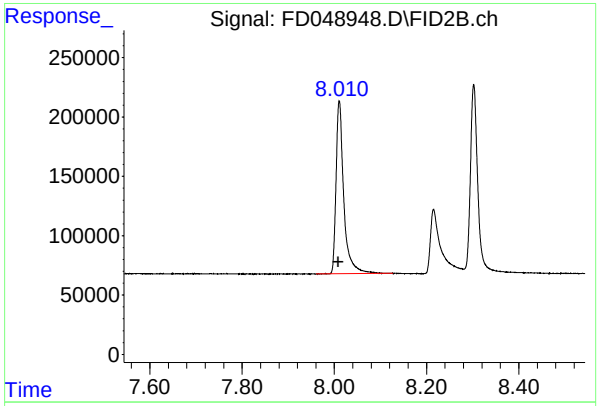
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.748 min
Delta R.T.: 0.003 min
Response: 1607311
Conc: 10.46 ug/ml



#4 2-Bromonaphthalene (SURR)

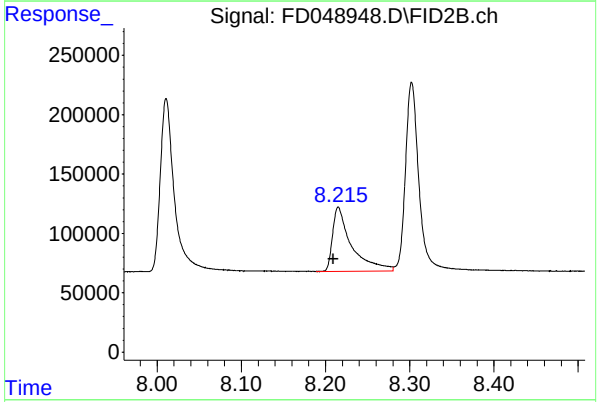
R.T.: 7.360 min
Delta R.T.: 0.002 min
Response: 1479402
Conc: 10.54 ug/ml



#5 Acenaphthylene (C15.06)

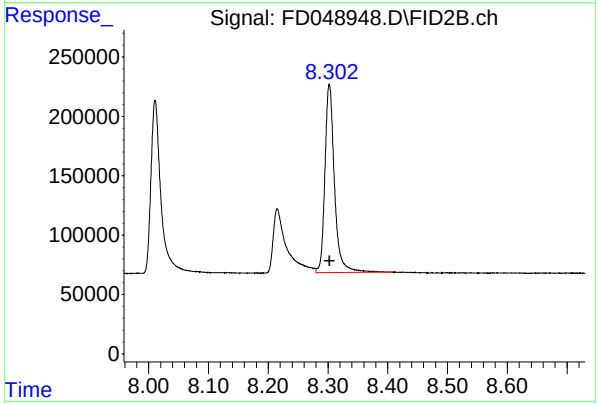
R.T.: 8.011 min
Delta R.T.: 0.002 min
Response: 1700004
Conc: 10.62 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



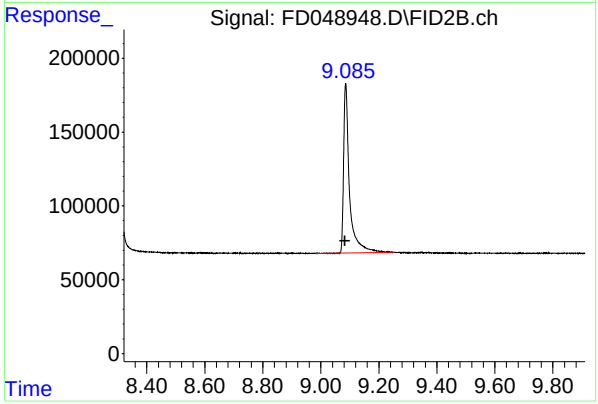
#6 2-Flurobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: 0.006 min
Response: 849450
Conc: 9.76 ug/ml



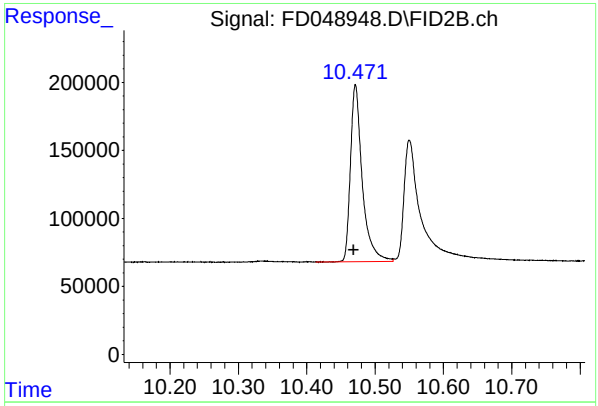
#7 Acenaphthene (C15.5)

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 1766355
Conc: 10.95 ug/ml



#8 Flouorene (C16.55)

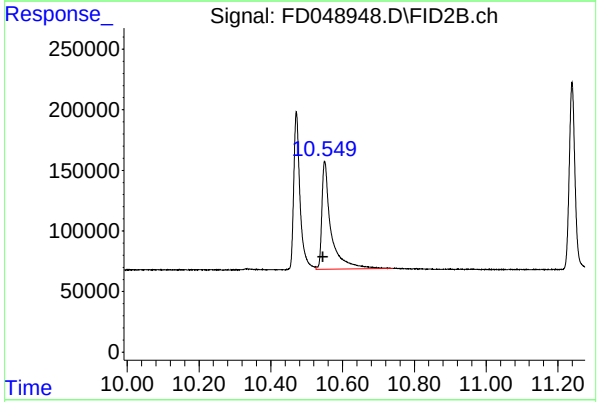
R.T.: 9.086 min
Delta R.T.: 0.003 min
Response: 1613538
Conc: 10.39 ug/ml



#9 Phenanthrene (C19.36)

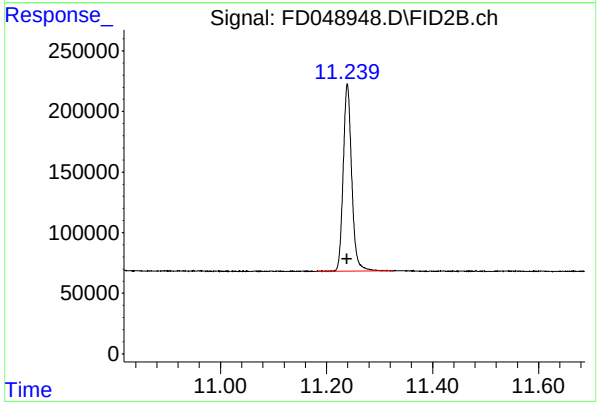
R.T.: 10.471 min
Delta R.T.: 0.003 min
Response: 1562014
Conc: 10.38 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



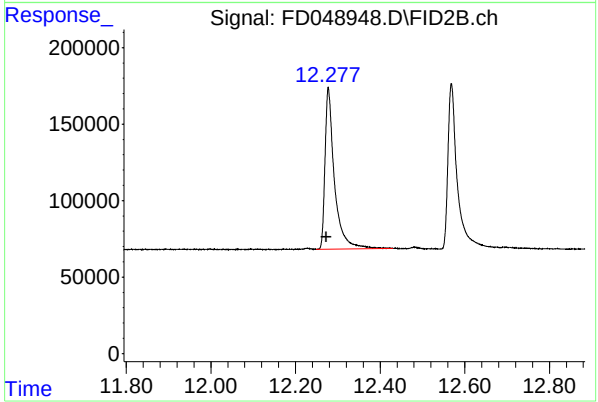
#10 Anthracene (C19.43)

R.T.: 10.550 min
Delta R.T.: 0.004 min
Response: 1574502
Conc: 10.40 ug/ml



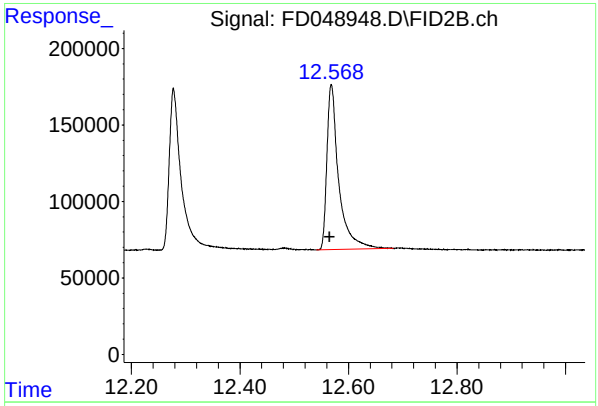
#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 1726263
Conc: 10.78 ug/ml



#12 Fluoranthene (C21.85)

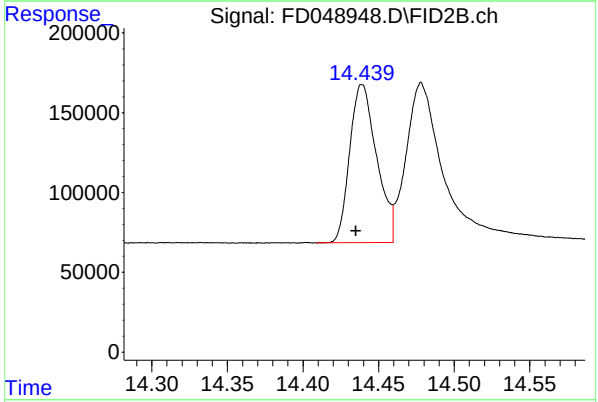
R.T.: 12.278 min
Delta R.T.: 0.005 min
Response: 1631103
Conc: 10.64 ug/ml



#13 Pyrene (C20.8)

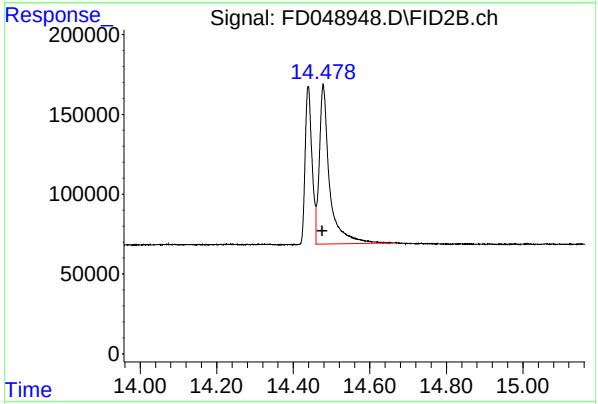
R.T.: 12.569 min
Delta R.T.: 0.003 min
Response: 1632105
Conc: 10.77 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



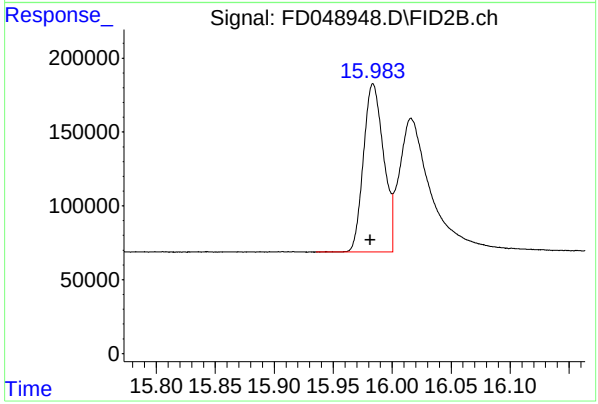
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.439 min
Delta R.T.: 0.004 min
Response: 1226846
Conc: 9.12 ug/ml



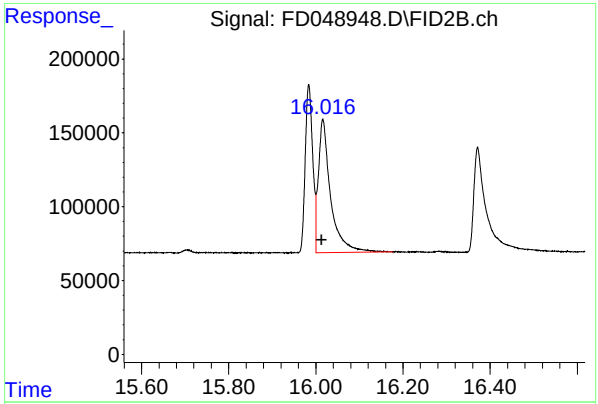
#15 Chrysene (C27.41)

R.T.: 14.478 min
Delta R.T.: 0.002 min
Response: 1859136
Conc: 11.76 ug/ml



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

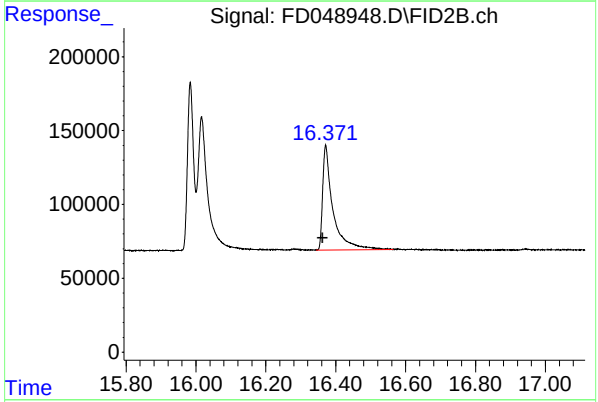
R.T.: 15.984 min
Delta R.T.: 0.002 min
Response: 1354636
Conc: 9.71 ug/ml



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

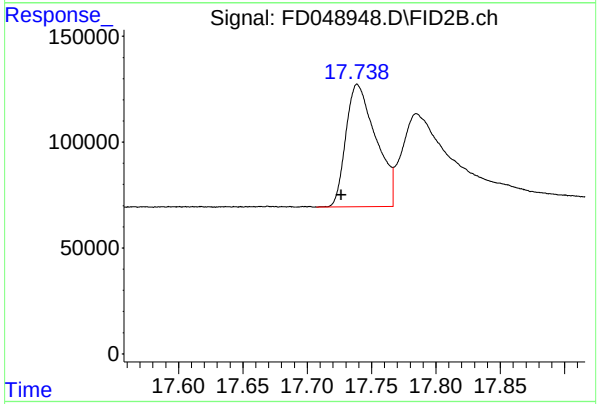
R.T.: 16.016 min
Delta R.T.: 0.003 min
Response: 1754098
Conc: 11.45 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



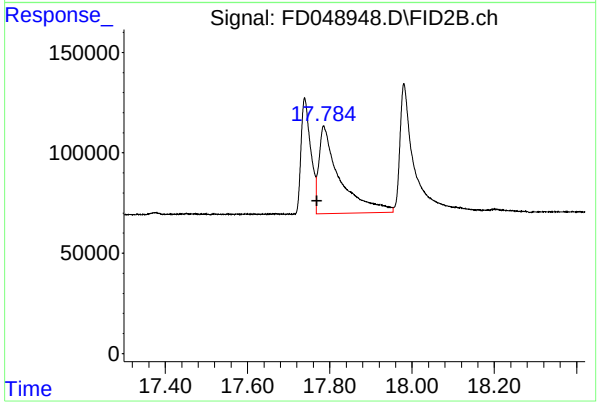
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.371 min
Delta R.T.: 0.010 min
Response: 1447102
Conc: 10.63 ug/ml



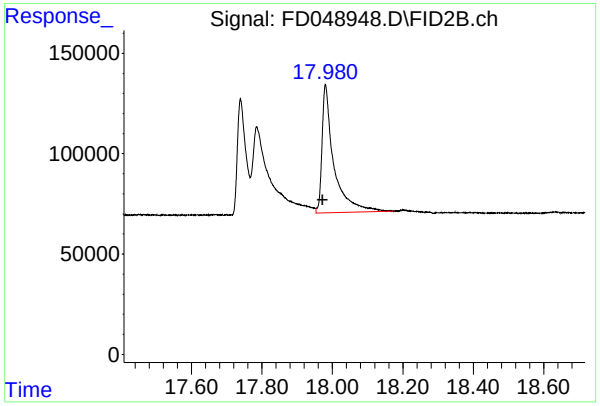
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.739 min
Delta R.T.: 0.012 min
Response: 938875
Conc: 9.45 ug/ml



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

R.T.: 17.785 min
Delta R.T.: 0.016 min
Response: 1549713
Conc: 10.68 ug/ml



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

R.T.: 17.980 min
Delta R.T.: 0.008 mi
Response: 1491403
Conc: 10.73 ug/m

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048948.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 10:34
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.182	4.130	4.310	BB	160261	1604565	86.31%	5.016%
2	5.702	5.652	5.892	BB	124577	1618653	87.06%	5.060%
3	6.748	6.722	6.905	BB	111484	1607311	86.45%	5.025%
4	7.360	7.337	7.499	BB	114130	1479402	79.57%	4.625%
5	8.011	7.960	8.127	BB	145971	1700004	91.44%	5.315%
6	8.215	8.189	8.280	BV	54185	849450	45.69%	2.656%
7	8.302	8.280	8.409	VB	159016	1766355	95.01%	5.522%
8	9.086	8.984	9.249	BB	114852	1613538	86.79%	5.044%
9	10.471	10.414	10.526	BV	129870	1562014	84.02%	4.883%
10	10.550	10.526	10.740	VB	88970	1574502	84.69%	4.922%
11	11.239	11.180	11.325	BV	154484	1726263	92.85%	5.397%
12	12.278	12.249	12.430	BB	105878	1631103	87.73%	5.099%
13	12.569	12.540	12.682	BV	107859	1632105	87.79%	5.102%
14	14.439	14.409	14.459	BV	99278	1226846	65.99%	3.835%
15	14.478	14.459	14.660	VB	100202	1859136	100.00%	5.812%
16	15.984	15.935	16.001	BV	113801	1354636	72.86%	4.235%
17	16.016	16.001	16.177	VV	89932	1754098	94.35%	5.484%
18	16.371	16.344	16.564	BB	70909	1447102	77.84%	4.524%
19	17.739	17.707	17.767	BV	57877	938875	50.50%	2.935%
20	17.785	17.767	17.954	VV	43754	1549713	83.36%	4.845%
21	17.980	17.954	18.172	VB	63902	1491403	80.22%	4.663%
			Sum of corrected areas:			31987074		

Aromatic EPH 012425.M Sat Jan 25 03:47:53 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048949.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:10
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e
Quant Time: Jan 25 03:32:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 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...	7.368	717868	5.113 ug/ml
Spiked Amount	50.000		Recovery =	10.23%
6) S	2-Flurobiphenyl (SURR)	8.233	339783	3.905 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	7.81%
11) S	ortho-Terphenyl (SURR)	11.242	879266	5.492 ug/ml
Spiked Amount	50.000		Recovery =	10.98%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.184	789589	5.221 ug/ml
2) T	Naphthalene (C11.7)	5.708	759669	4.905 ug/ml
3) T	2-Methylnaphthalene (...	6.756	770079	5.012 ug/ml
5) T	Acenaphthylene (C15.06)	8.016	854846	5.338 ug/ml
7) T	Acenaphthene (C15.5)	8.305	948275	5.877 ug/ml
8) T	Flouorene (C16.55)	9.095	763400	4.914 ug/ml
9) T	Phenanthrene (C19.36)	10.483	750630	4.987 ug/ml
10) T	Anthracene (C19.43)	10.566	743883	4.913 ug/ml
12) T	Fluoranthene (C21.85)	12.291	810442	5.286 ug/ml
13) T	Pyrene (C20.8)	12.579	825951	5.450 ug/ml
14) T	Benzo[a]anthracene (C...	14.456	474873	3.528 ug/ml
15) T	Chrysene (C27.41)	14.492	1000984	6.333 ug/ml
16) T	benzo[b]fluoranthene ...	15.999	587465	4.212 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.034	932809	6.087 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.395	689943	5.070 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.768	411157	4.140 ug/ml
20) T	Dibenz[a,h]anthracene...	17.816	699298	4.819 ug/mlm
21) T	Benzo[g,h,i]perylene ...	17.998	746404	5.370 ug/ml

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048949.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:10
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

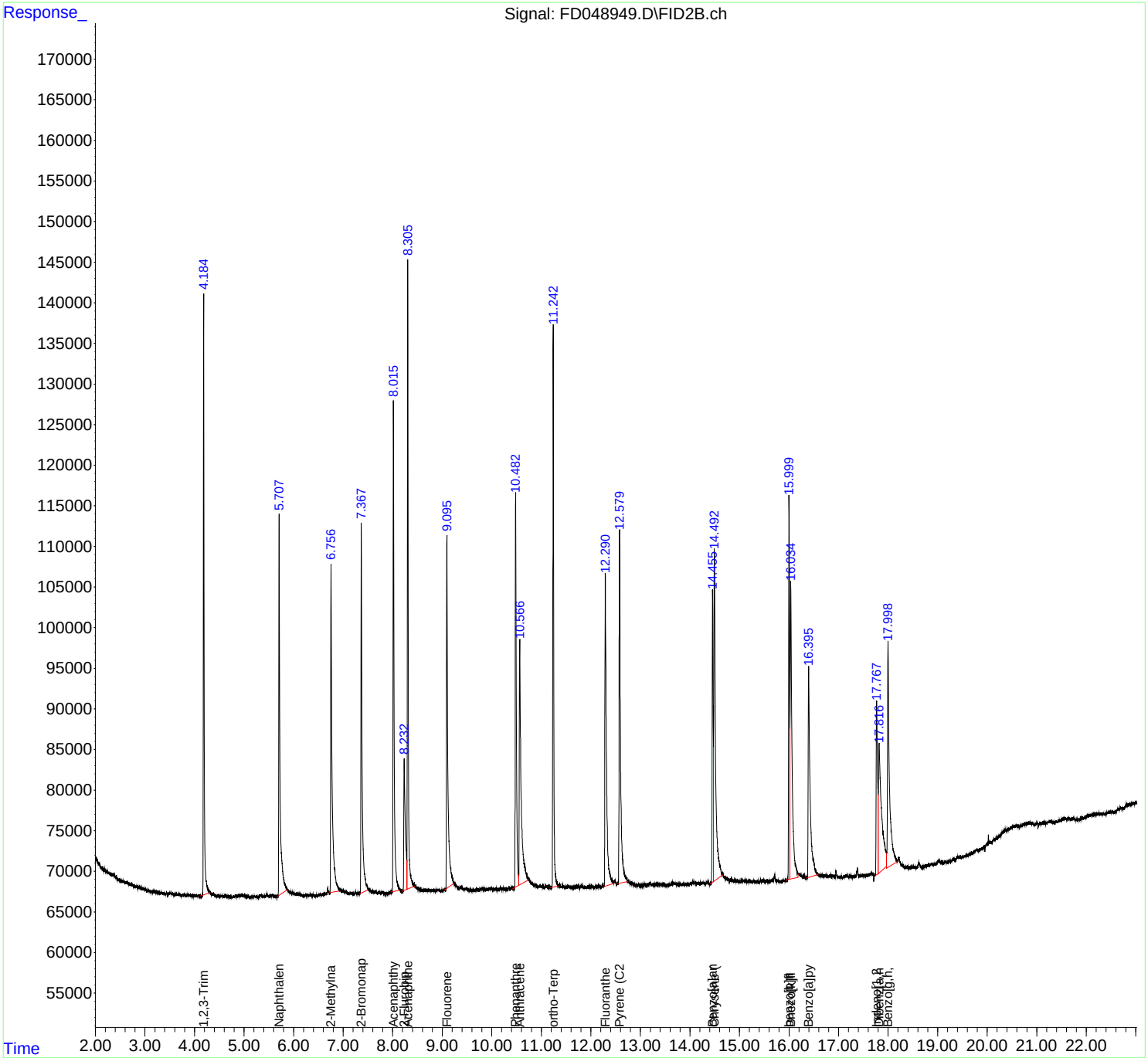
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

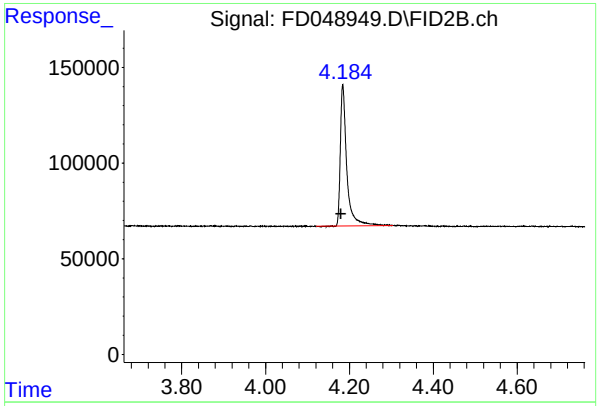
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e
Quant Time: Jan 25 03:32:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





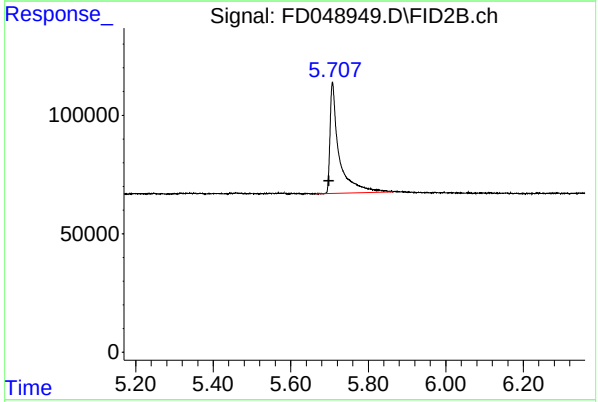
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.184 min
Delta R.T.: 0.004 min
Response: 789589
Conc: 5.22 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

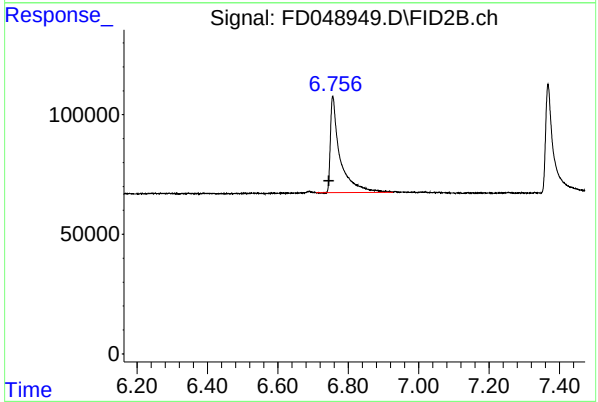
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



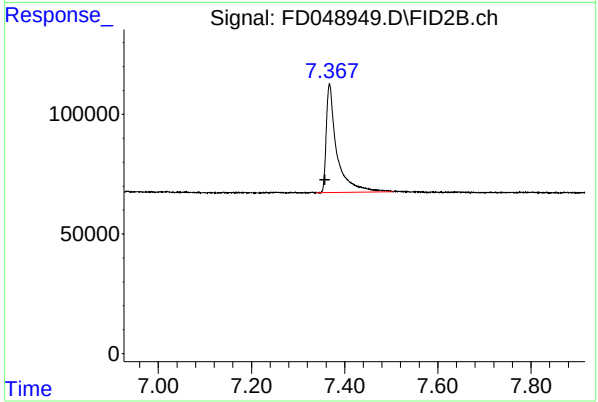
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.009 min
Response: 759669
Conc: 4.90 ug/ml



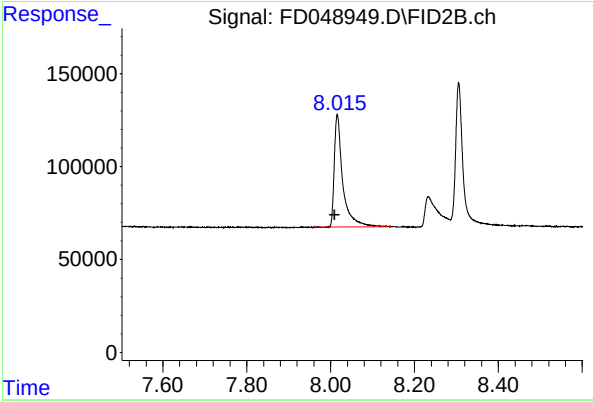
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.756 min
Delta R.T.: 0.011 min
Response: 770079
Conc: 5.01 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min
Delta R.T.: 0.010 min
Response: 717868
Conc: 5.11 ug/ml



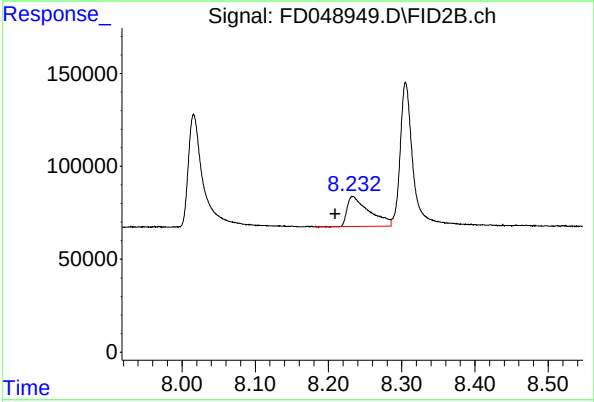
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min
Delta R.T.: 0.007 min
Response: 854846
Conc: 5.34 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

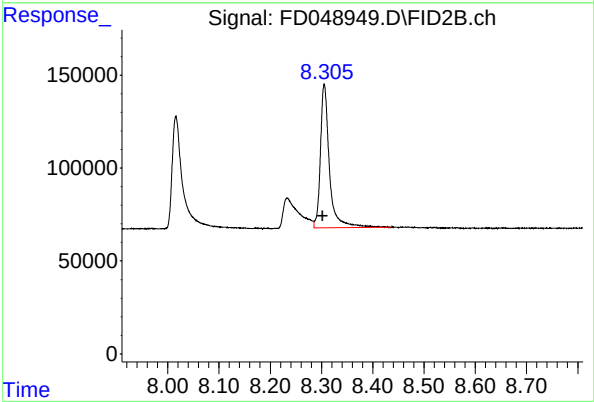
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



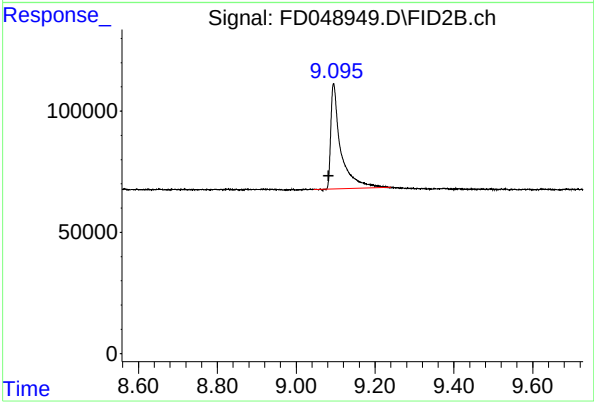
#6 2-Flurobiphenyl (SURR)

R.T.: 8.233 min
Delta R.T.: 0.024 min
Response: 339783
Conc: 3.91 ug/ml



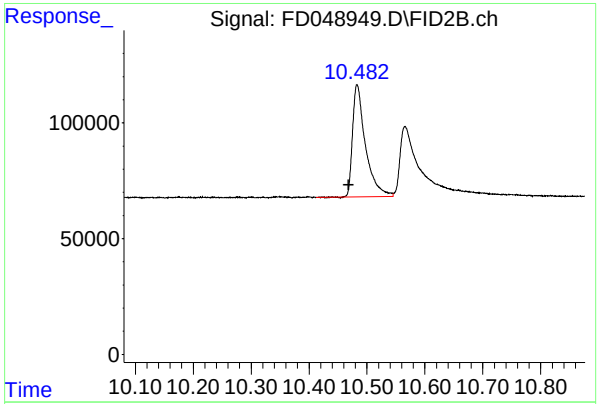
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.003 min
Response: 948275
Conc: 5.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.095 min
Delta R.T.: 0.012 min
Response: 763400
Conc: 4.91 ug/ml



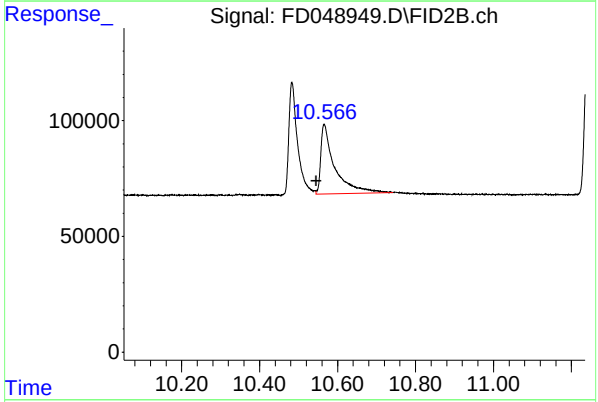
#9 Phenanthrene (C19.36)

R.T.: 10.483 min
Delta R.T.: 0.015 min
Response: 750630
Conc: 4.99 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

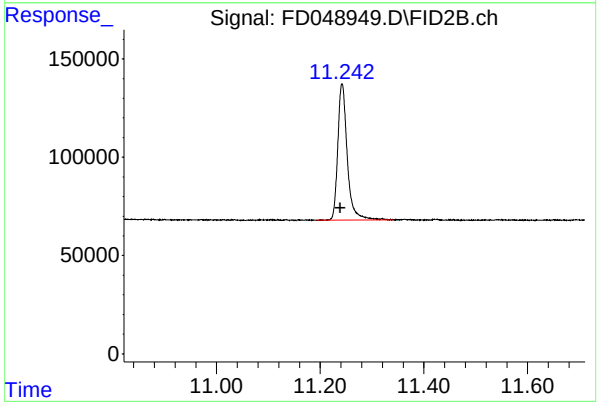
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



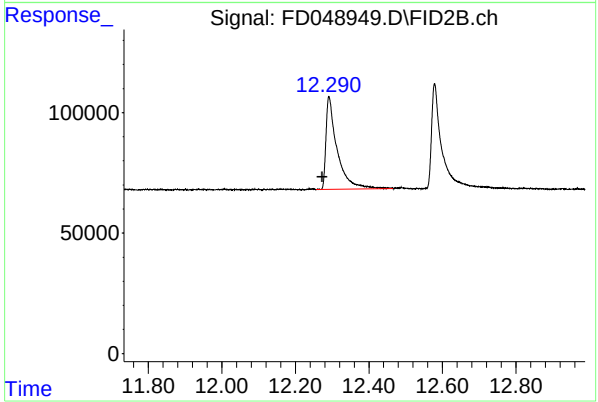
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: 0.020 min
Response: 743883
Conc: 4.91 ug/ml



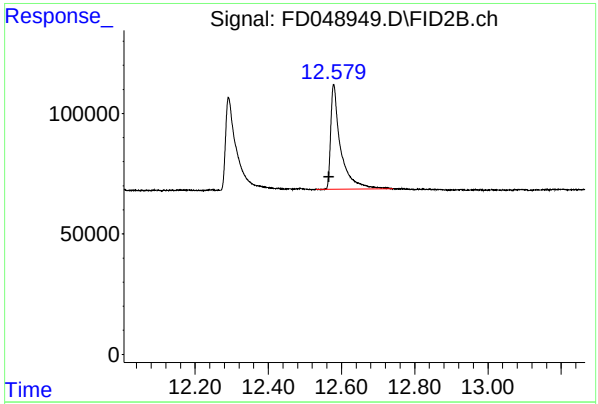
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: 0.003 min
Response: 879266
Conc: 5.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.018 min
Response: 810442
Conc: 5.29 ug/ml



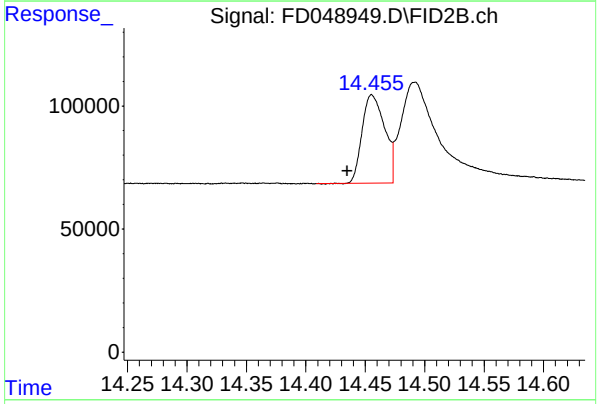
#13 Pyrene (C20.8)

R.T.: 12.579 min
Delta R.T.: 0.014 mi
Response: 825951
Conc: 5.45 ug/m

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

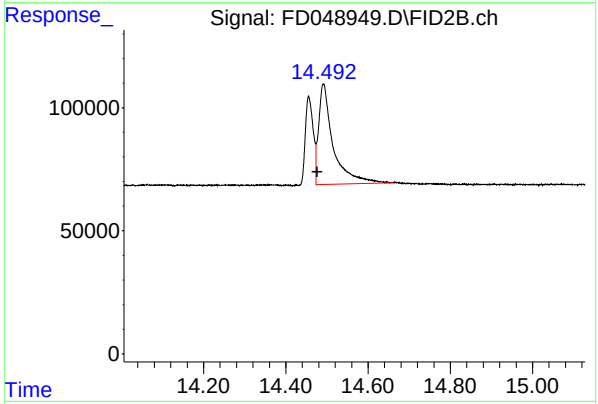
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



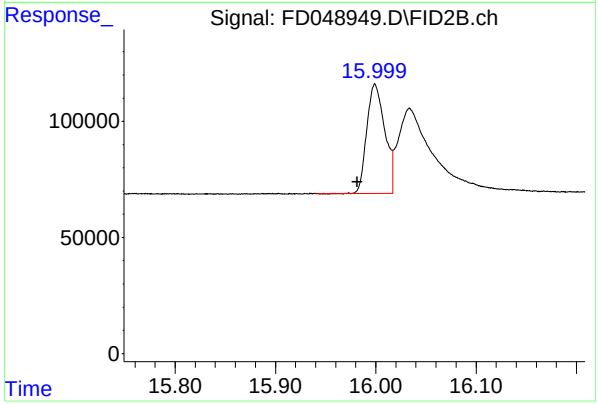
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.021 min
Response: 474873
Conc: 3.53 ug/ml



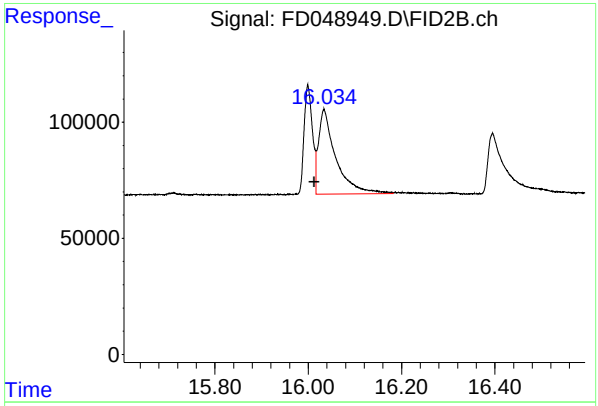
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.015 min
Response: 1000984
Conc: 6.33 ug/ml



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

R.T.: 15.999 min
Delta R.T.: 0.018 min
Response: 587465
Conc: 4.21 ug/ml



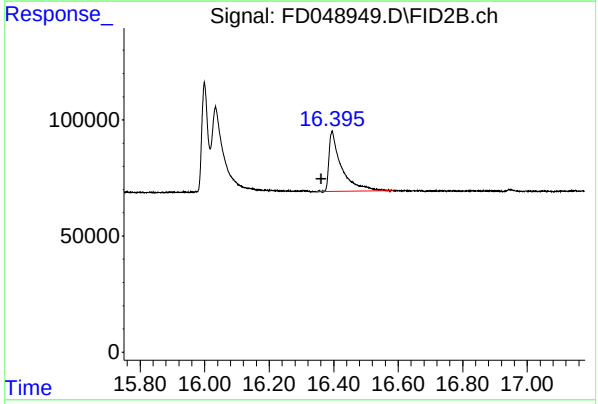
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.034 min
Delta R.T.: 0.021 min
Response: 932809
Conc: 6.09 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

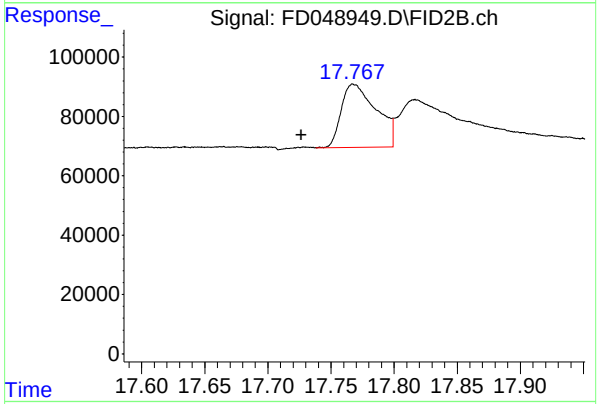
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



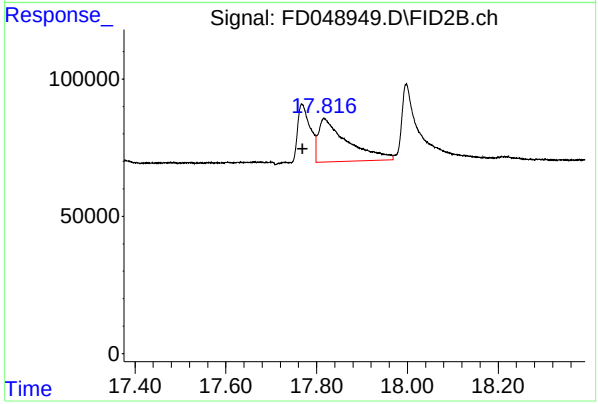
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.033 min
Response: 689943
Conc: 5.07 ug/ml



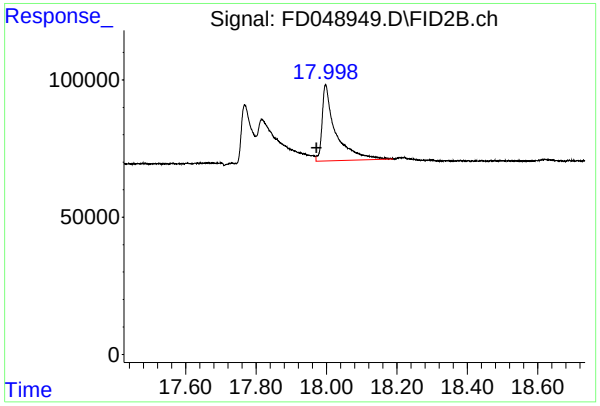
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.768 min
Delta R.T.: 0.041 min
Response: 411157
Conc: 4.14 ug/ml



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

R.T.: 17.816 min
Delta R.T.: 0.047 min
Response: 699298
Conc: 4.82 ug/ml m



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

R.T.: 17.998 min
Delta R.T.: 0.025 mi
Response: 746404
Conc: 5.37 ug/m

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025

Instrument :
FID_D
LabSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD01242
Data File : FD048949.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:10
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.184	4.120	4.304	BB	73910	789589	78.88%	5.095%
2	5.708	5.665	5.864	BB	46903	759669	75.89%	4.902%
3	6.756	6.709	6.927	BV	40283	770079	76.93%	4.969%
4	7.368	7.339	7.504	BB	45492	717868	71.72%	4.632%
5	8.016	7.960	8.144	BB	60468	854846	85.40%	5.516%
6	8.233	8.180	8.285	BV	16107	339783	33.94%	2.192%
7	8.305	8.285	8.435	VB	77409	948275	94.73%	6.119%
8	9.095	9.045	9.240	BB	43393	763400	76.26%	4.926%
9	10.483	10.412	10.545	BV	48278	750630	74.99%	4.843%
10	10.566	10.545	10.742	VB	30142	743883	74.32%	4.800%
11	11.242	11.192	11.340	BB	69350	879266	87.84%	5.673%
12	12.292	12.256	12.465	PB	38358	810442	80.96%	5.229%
13	12.579	12.530	12.740	BB	43505	825951	82.51%	5.329%
14	14.456	14.409	14.473	BV	35912	474873	47.44%	3.064%
15	14.492	14.473	14.660	VB	40862	1000984	100.00%	6.459%
16	15.999	15.940	16.017	BV	47044	587465	58.69%	3.791%
17	16.034	16.017	16.204	VB	36440	919938	91.90%	5.936%
18	16.395	16.345	16.584	BB	25965	689943	68.93%	4.452%
19	17.768	17.738	17.799	PV	21343	411157	41.08%	2.653%
20	17.817	17.799	17.970	VV	15909	713471	71.28%	4.604%
21	17.998	17.970	18.189	VB	27630	746404	74.57%	4.816%
			Sum of corrected areas:			15497915		

Aromatic EPH 012425.M Sat Jan 25 03:48:09 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048950.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:46
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jan 25 03:39:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 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...	7.357	2887094	20.286 ug/ml
Spiked Amount	50.000		Recovery =	40.57%
6) S	2-Flurobiphenyl (SURR)	8.209	1813337	21.311 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	42.62%
11) S	ortho-Terphenyl (SURR)	11.239	3311463	20.136 ug/ml
Spiked Amount	50.000		Recovery =	40.27%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.180	3137844	20.356 ug/ml
2) T	Naphthalene (C11.7)	5.698	3187176	20.390 ug/ml
3) T	2-Methylnaphthalene (...	6.744	3164394	20.398 ug/ml
5) T	Acenaphthylene (C15.06)	8.009	3303580	20.200 ug/ml
7) T	Acenaphthene (C15.5)	8.302	3339705	19.884 ug/ml
8) T	Flouorene (C16.55)	9.082	3225268	20.618 ug/ml
9) T	Phenanthrene (C19.36)	10.469	3110469	20.423 ug/ml
10) T	Anthracene (C19.43)	10.546	3128088	20.536 ug/ml
12) T	Fluoranthene (C21.85)	12.273	3227346	20.518 ug/ml
13) T	Pyrene (C20.8)	12.565	3146895	19.976 ug/ml
14) T	Benzo[a]anthracene (C...	14.435	2842185	22.087 ug/ml
15) T	Chrysene (C27.41)	14.476	3307605	19.560 ug/ml
16) T	benzo[b]fluoranthene ...	15.981	2946816	21.568 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.013	3210095	19.821 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.362	2755524	19.799 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.727	2116534	20.294 ug/ml
20) T	Dibenz[a,h]anthracene...	17.768	3065764	21.476 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.973	2893272	20.284 ug/ml

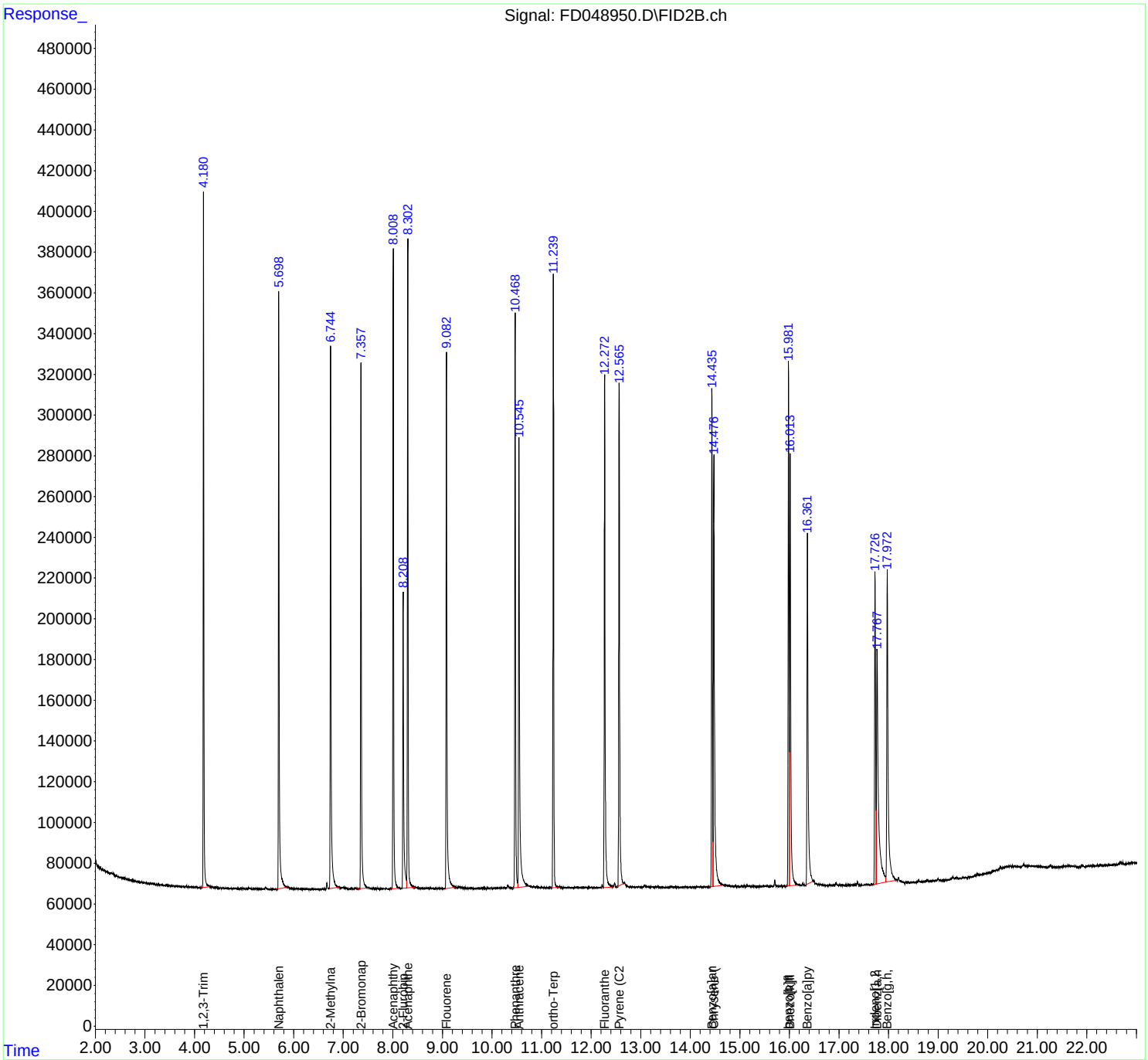
(f)=RT Delta > 1/2 Window (m)=manual int.

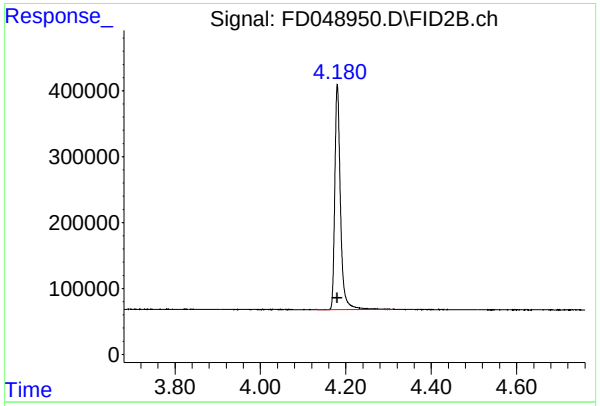
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048950.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:46
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jan 25 03:39:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

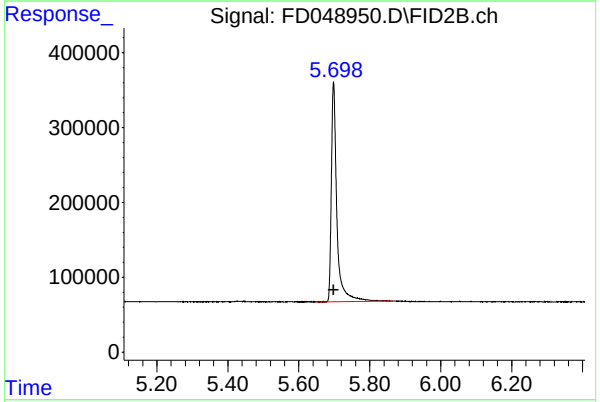




#1 1,2,3-Trimethylbenzene (C10.1)

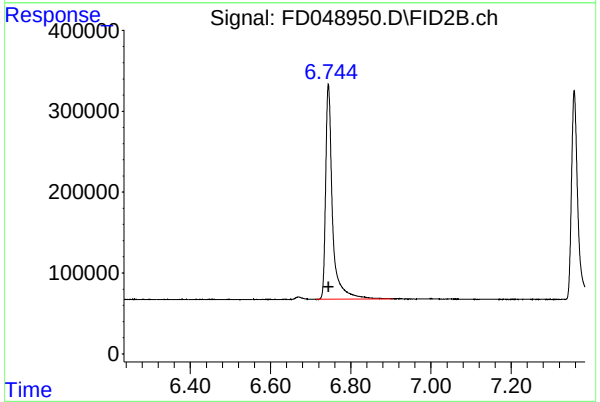
R.T.: 4.180 min
Delta R.T.: 0.000 min
Response: 3137844
Conc: 20.36 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



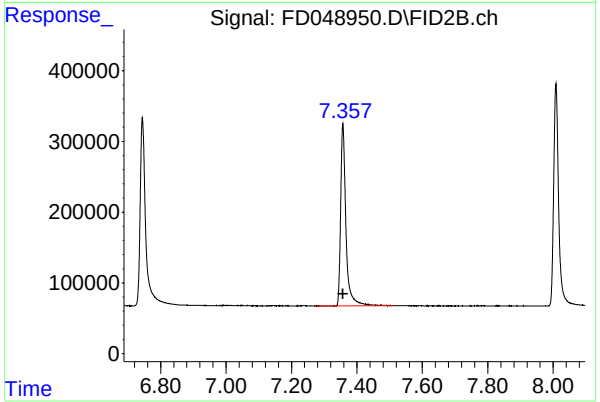
#2 Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3187176
Conc: 20.39 ug/ml



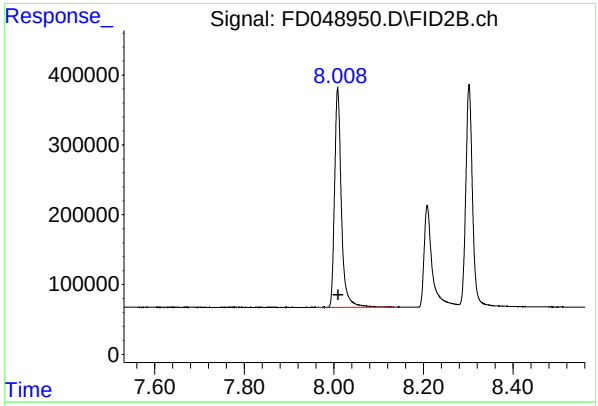
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3164394
Conc: 20.40 ug/ml



#4 2-Bromonaphthalene (SURR)

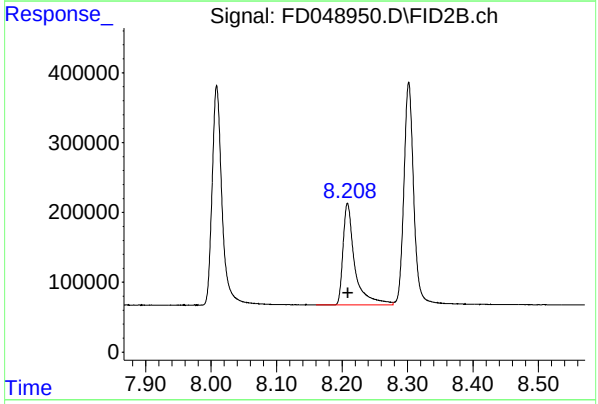
R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 2887094
Conc: 20.29 ug/ml



#5 Acenaphthylene (C15.06)

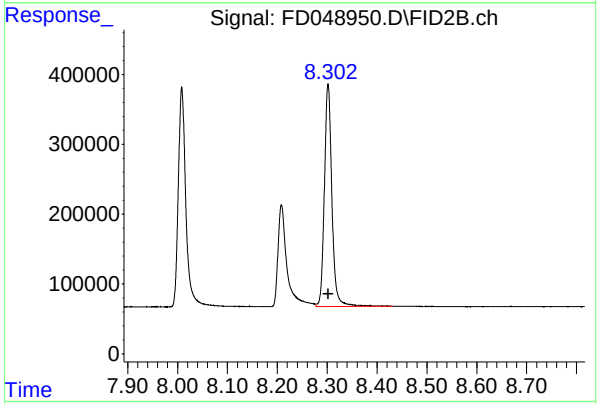
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 3303580
Conc: 20.20 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



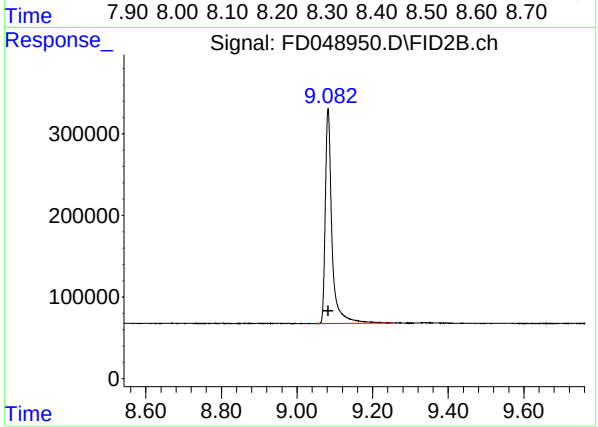
#6 2-Flurobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: 0.000 min
Response: 1813337
Conc: 21.31 ug/ml



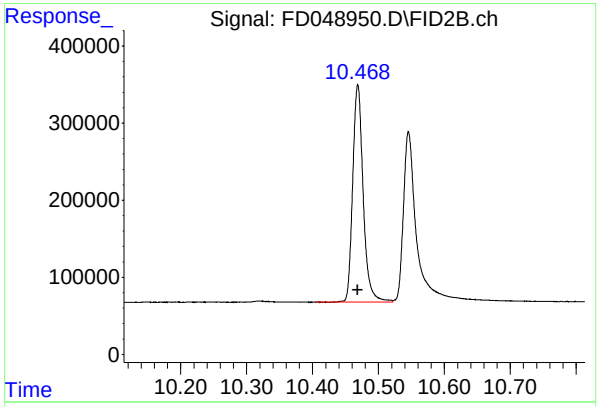
#7 Acenaphthene (C15.5)

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 3339705
Conc: 19.88 ug/ml



#8 Flouorene (C16.55)

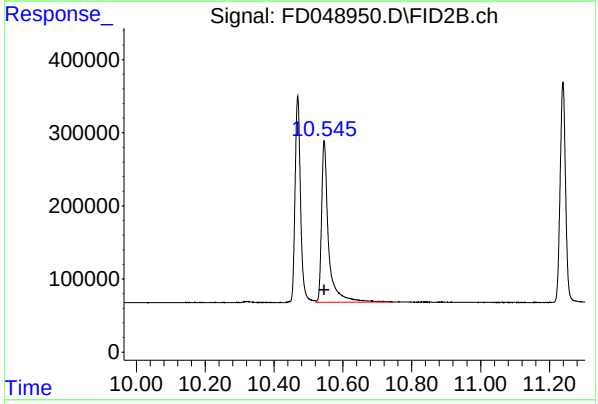
R.T.: 9.082 min
Delta R.T.: 0.000 min
Response: 3225268
Conc: 20.62 ug/ml



#9 Phenanthrene (C19.36)

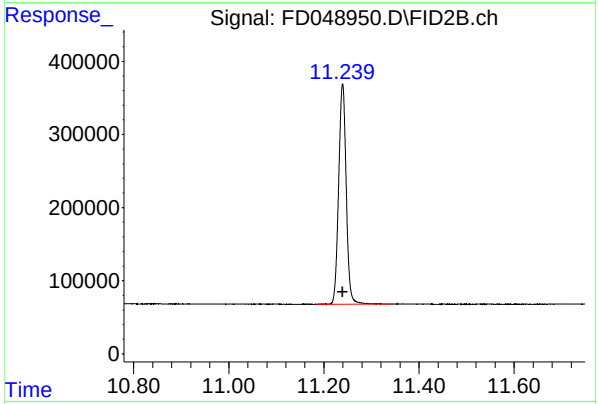
R.T.: 10.469 min
Delta R.T.: 0.000 min
Response: 3110469
Conc: 20.42 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



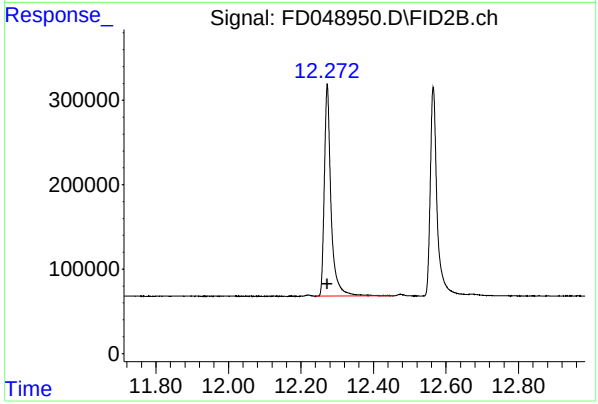
#10 Anthracene (C19.43)

R.T.: 10.546 min
Delta R.T.: 0.000 min
Response: 3128088
Conc: 20.54 ug/ml



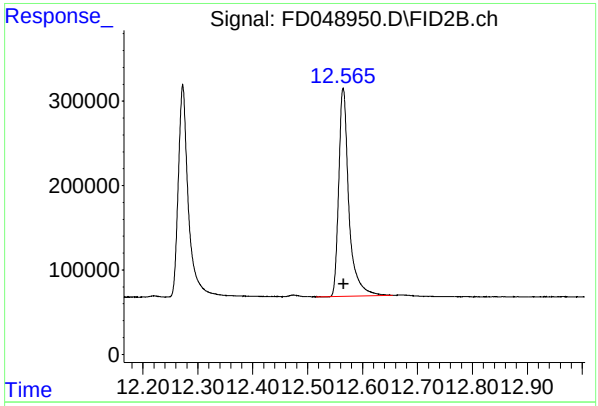
#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 3311463
Conc: 20.14 ug/ml



#12 Fluoranthene (C21.85)

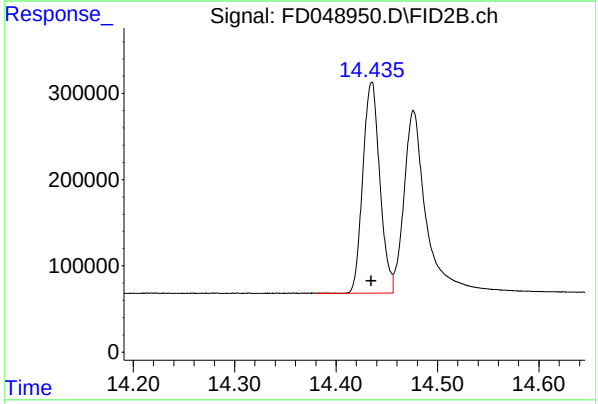
R.T.: 12.273 min
Delta R.T.: 0.000 min
Response: 3227346
Conc: 20.52 ug/ml



#13 Pyrene (C20.8)

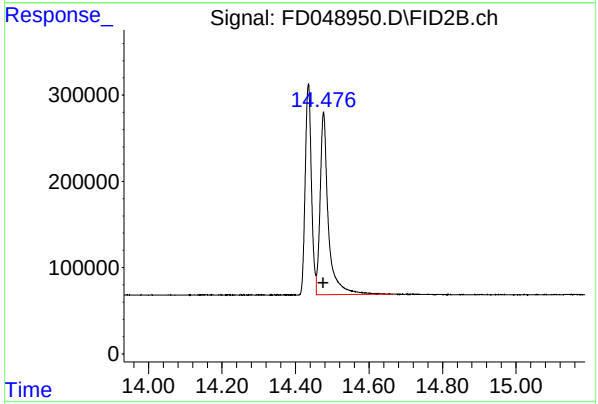
R.T.: 12.565 min
Delta R.T.: 0.000 min
Response: 3146895
Conc: 19.98 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



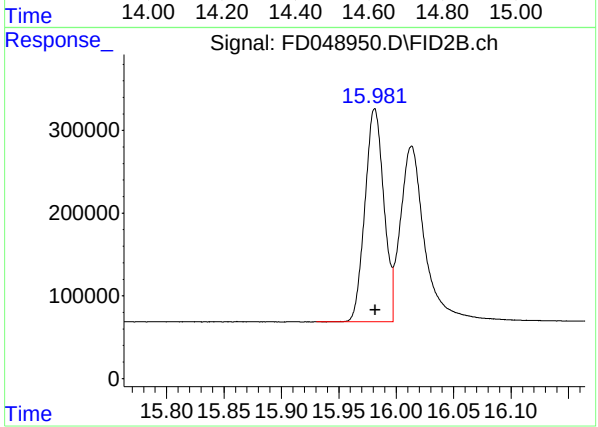
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.435 min
Delta R.T.: 0.000 min
Response: 2842185
Conc: 22.09 ug/ml



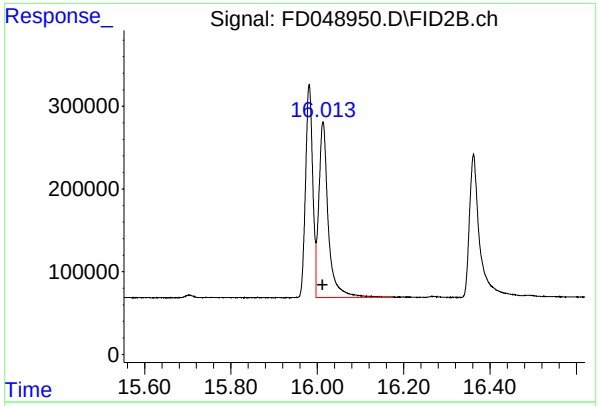
#15 Chrysene (C27.41)

R.T.: 14.476 min
Delta R.T.: 0.000 min
Response: 3307605
Conc: 19.56 ug/ml



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

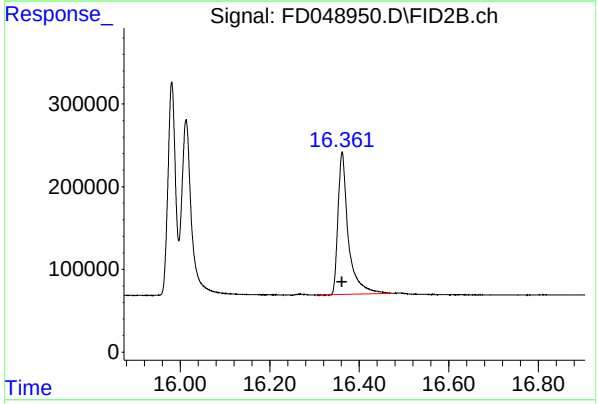
R.T.: 15.981 min
Delta R.T.: 0.000 min
Response: 2946816
Conc: 21.57 ug/ml



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

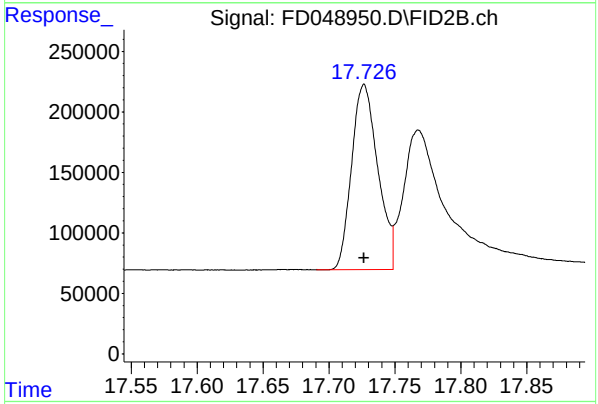
R.T.: 16.013 min
Delta R.T.: 0.000 min
Response: 3210095
Conc: 19.82 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



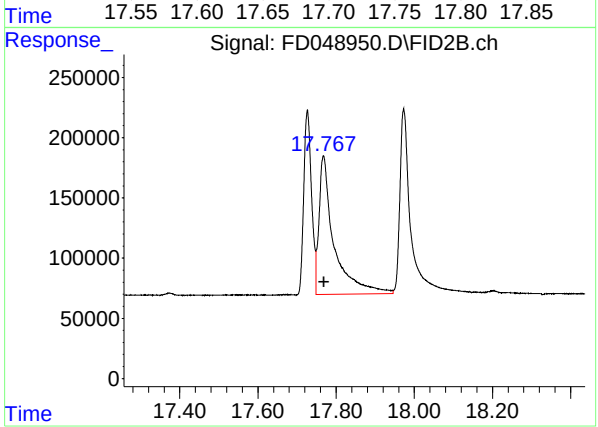
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min
Delta R.T.: 0.000 min
Response: 2755524
Conc: 19.80 ug/ml



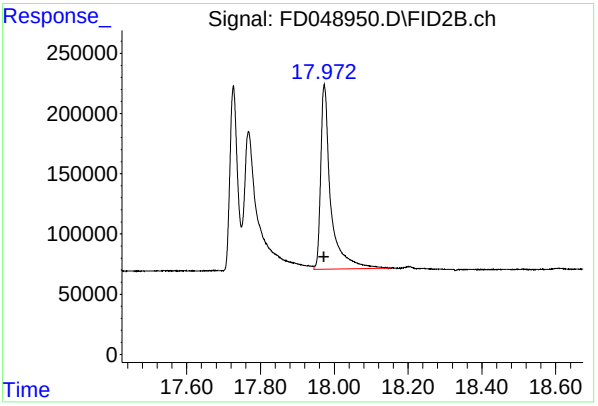
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min
Delta R.T.: 0.000 min
Response: 2116534
Conc: 20.29 ug/ml



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

R.T.: 17.768 min
Delta R.T.: -0.001 min
Response: 3065764
Conc: 21.48 ug/ml



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

R.T.: 17.973 min
Delta R.T.: 0.000 mi
Response: 2893272
Conc: 20.28 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048950.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:46
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.180	4.130	4.310	BB	341313	3137844	93.96%	4.971%
2	5.698	5.649	5.865	BB	292567	3187176	95.43%	5.049%
3	6.744	6.714	6.905	BB	266178	3164394	94.75%	5.013%
4	7.357	7.275	7.510	BB	258041	2887094	86.45%	4.574%
5	8.009	7.960	8.132	BB	313828	3303580	98.92%	5.234%
6	8.209	8.160	8.278	BV	145410	1813337	54.30%	2.873%
7	8.302	8.278	8.432	VB	318754	3339705	100.00%	5.291%
8	9.082	9.050	9.254	BB	263286	3225268	96.57%	5.110%
9	10.469	10.405	10.522	BV	282049	3110469	93.14%	4.928%
10	10.546	10.522	10.745	VB	220641	3128088	93.66%	4.956%
11	11.239	11.184	11.345	BB	301119	3311463	99.15%	5.246%
12	12.273	12.242	12.454	PB	250955	3227346	96.64%	5.113%
13	12.565	12.515	12.655	BV	246736	3146895	94.23%	4.986%
14	14.435	14.380	14.456	BV	244706	2842185	85.10%	4.503%
15	14.476	14.456	14.665	VB	211452	3307605	99.04%	5.240%
16	15.981	15.930	15.997	BV	257651	2946816	88.24%	4.669%
17	16.013	15.997	16.175	VB	212277	3210095	96.12%	5.086%
18	16.362	16.304	16.475	BV	172243	2755524	82.51%	4.366%
19	17.727	17.690	17.749	BV	153458	2116534	63.37%	3.353%
20	17.768	17.749	17.945	VV	115186	3065764	91.80%	4.857%
21	17.973	17.945	18.154	VV	152571	2893272	86.63%	4.584%
			Sum of corrected areas:			63120453		

Aromatic EPH 012425.M Sat Jan 25 03:48:24 2025

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

Inital Calibration Report for SequenceID : FE020325AL

AreaCount

Parameter Range	FE052204.D	FE052205.D	FE052206.D	FE052207.D	FE052208.D	
Aliphatic C9-C12	26698626.000	13878232.000	5898544.000	2891008.000	1570933.000	
Aliphatic C12-C16	19526889.000	10148092.000	4289612.000	2087245.000	1128531.000	
Aliphatic C16-C21	31246222.000	16281254.000	6935928.000	3389969.000	1857271.000	
Aliphatic C21-C28	41886999.000	21872316.000	9348524.000	4577156.000	2492585.000	
Aliphatic C28-C40	48781951.000	25911332.000	11444531.000	5559262.000	3062038.000	
Aliphatic EPH	168140687.000	88091226.000	37917139.000	18504640.000	10111358.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	96184.3666662	6.209				
Aliphatic C12-C16	104714.203	5.513				
Aliphatic C16-C21	113022.3199996	6.59				
Aliphatic C21-C28	113998.7555	6.637				
Aliphatic C28-C40	91553.5499994	8.777				
Aliphatic EPH	102353.599333	7.061				

Concentration

Parameter Range	FE052204.D	FE052205.D	FE052206.D	FE052207.D	FE052208.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	FE052204.D	FE052205.D	FE052206.D	FE052207.D	FE052208.D	
Aliphatic C9-C12	88995.420000	92521.546666	98309.066666	96366.933333	104728.866666	
Aliphatic C12-C16	97634.445000	101480.920000	107240.300000	104362.250000	112853.100000	
Aliphatic C16-C21	104154.073333	108541.693333	115598.800000	112998.966666	123818.066666	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Inital Calibration Report for SequenceID : FE020325AL

Aliphatic C21-C28	104717.497500	109361.580000	116856.550000	114428.900000	124629.250000	
Aliphatic C28-C40	81303.251666	86371.106666	95371.091666	92654.366666	102067.933333	
Aliphatic EPH	93411.492777	97879.140000	105325.386111	102803.555555	112348.422222	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052204.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 11:51
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
Quant Time: Feb 03 13:56:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 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)	12.291	11433358	94.926 ug/ml
Spiked Amount	50.000		Recovery =	189.85%
12) S	1-chlorooctadecane (S...	13.705	9123651	94.908 ug/ml
Spiked Amount	50.000		Recovery =	189.82%
	Target Compounds			
1) T	n-Nonane (C9)	3.734	8601709	94.774 ug/ml
2) T	n-Decane (C10)	4.965	8881455	94.983 ug/ml
3) T	A~Naphthalene (C11.7)	6.672	9911771	95.058 ug/ml
4) T	n-Dodecane (C12)	7.102	9215462	95.308 ug/ml
5) T	A~2-methylnaphthalene...	7.757	9855017	95.763 ug/ml
6) T	n-Tetradecane (C14)	8.915	9441421	95.448 ug/ml
7) T	n-Hexadecane (C16)	10.514	10085468	95.184 ug/ml
8) T	n-Octadecane (C18)	11.953	10492394	94.962 ug/ml
10) T	n-Eicosane (C20)	13.257	10385290	94.713 ug/ml
11) T	n-Heneicosane (C21)	13.868	10368538	94.700 ug/ml
13) T	n-Docosane (C22)	14.452	10430935	94.763 ug/ml
14) T	n-Tetracosane (C24)	15.552	10585800	94.610 ug/ml
15) T	n-Hexacosane (C26)	16.570	10542000	94.557 ug/ml
16) T	n-Octacosane (C28)	17.518	10328264	94.153 ug/ml
17) T	n-Tricontane (C30)	18.403	10293664	93.569 ug/ml
18) T	n-Dotriacontane (C32)	19.234	9682834	92.481 ug/ml
19) T	n-Tetratriacontane (C34)	20.015	8402760	91.993 ug/ml
20) T	n-Hexatriacontane (C36)	20.752	7202937	90.403 ug/ml
21) T	n-Octatriacontane (C38)	21.568	6673402	91.969 ug/ml
22) T	n-Tetracontane (C40)	22.611	6526354	91.009 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052204.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 11:51
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

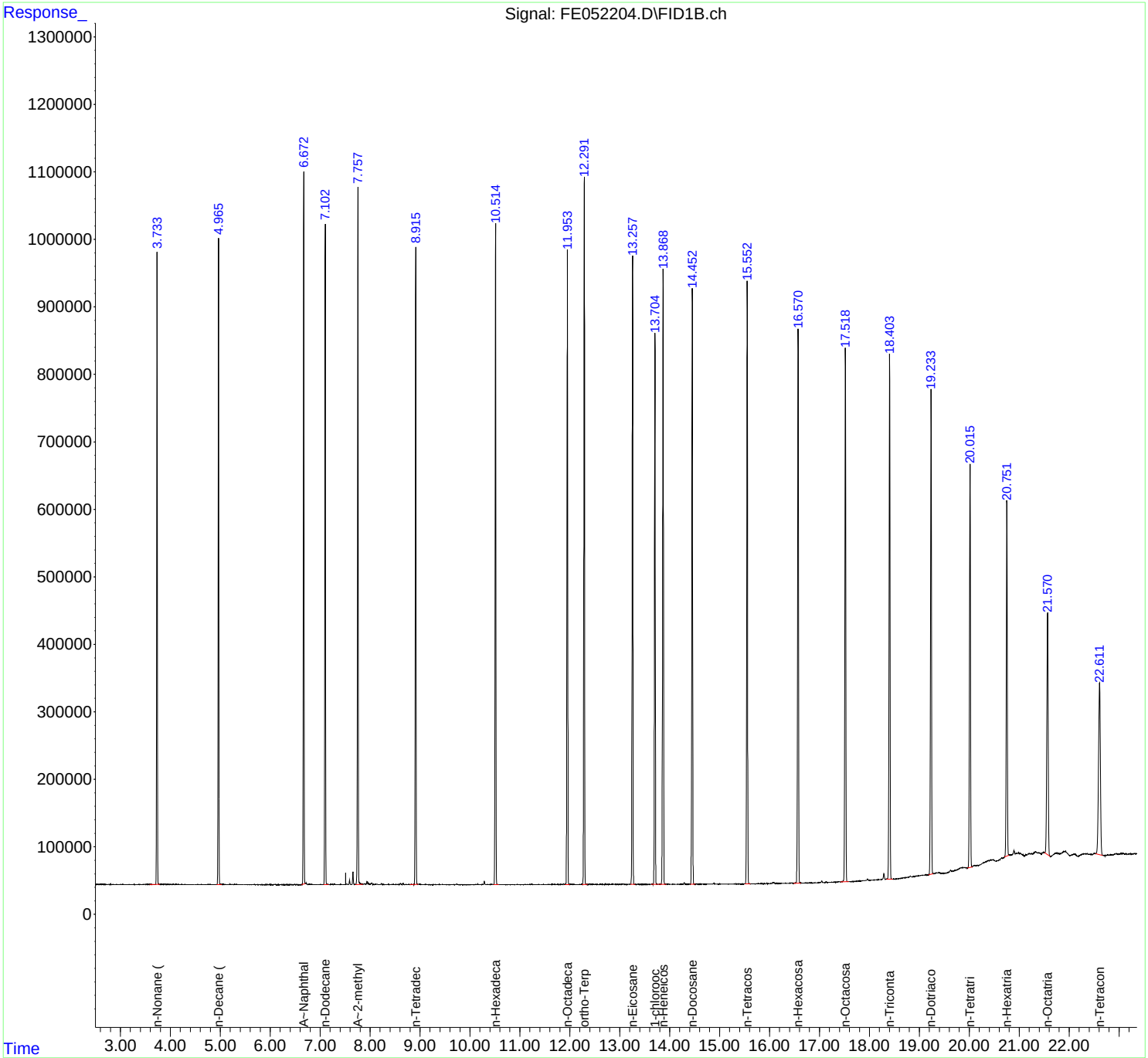
Integration File: autoint1.e
Quant Time: Feb 03 13:56:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 2025
Response via : Initial Calibration
Integrator: ChemStation

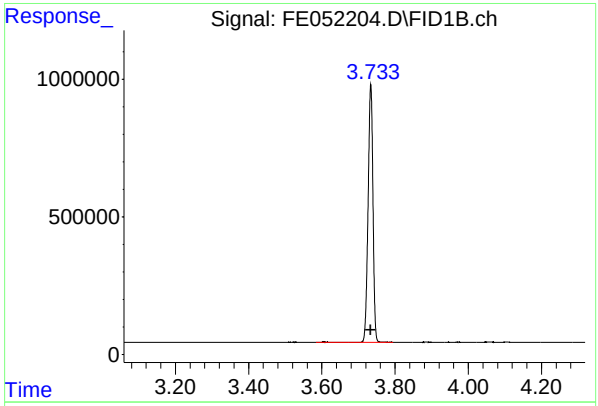
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025





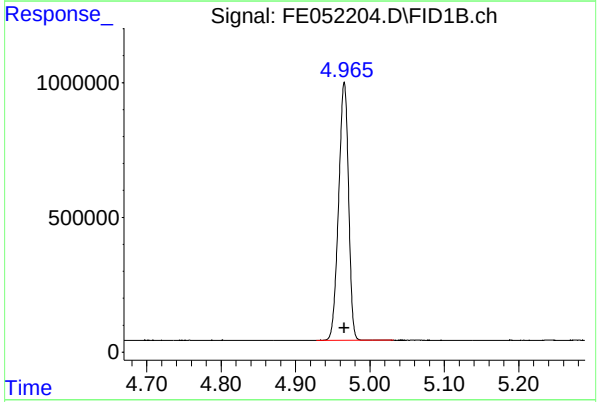
#1 n-Nonane (C9)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 8601709
Conc: 94.77 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

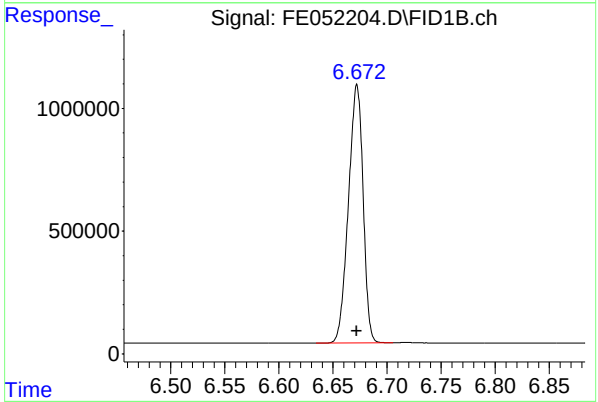
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



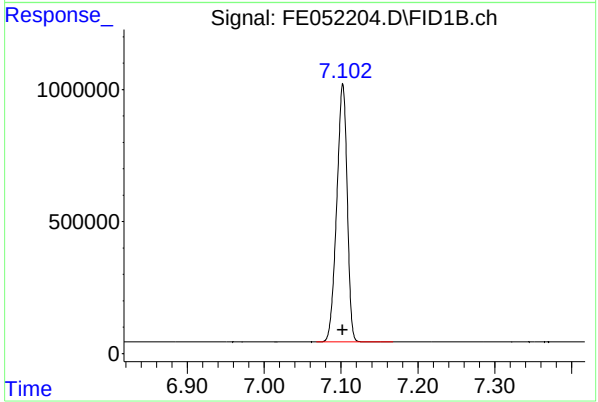
#2 n-Decane (C10)

R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 8881455
Conc: 94.98 ug/ml



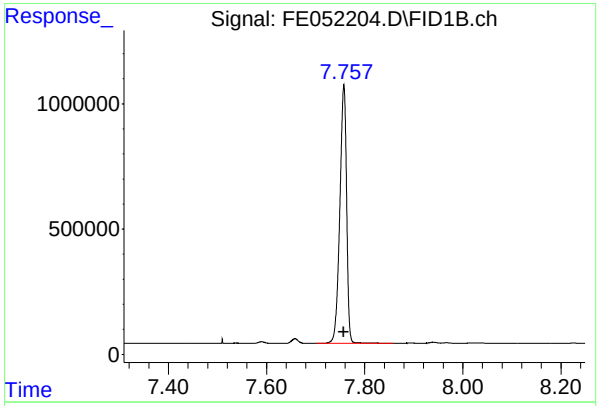
#3 A~Naphthalene (C11.7)

R.T.: 6.672 min
Delta R.T.: 0.000 min
Response: 9911771
Conc: 95.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 9215462
Conc: 95.31 ug/ml



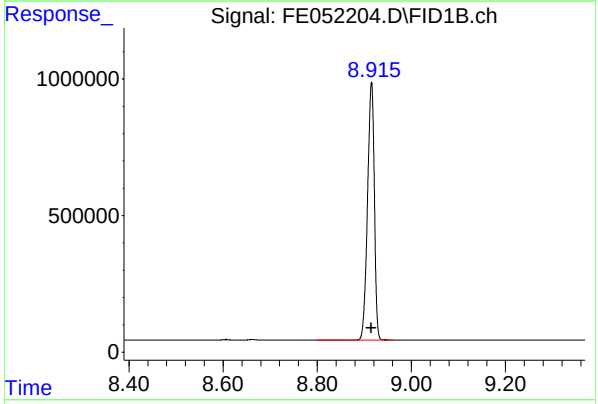
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 9855017
Conc: 95.76 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

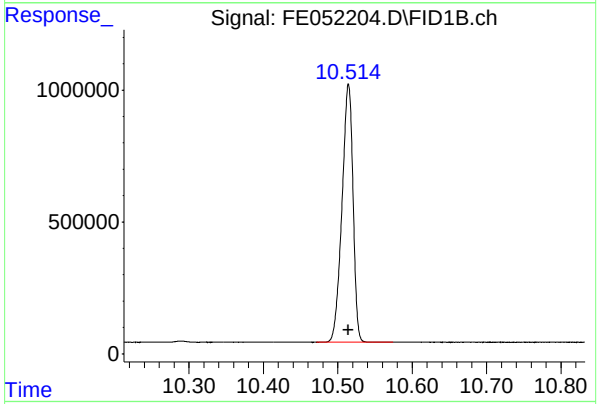
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



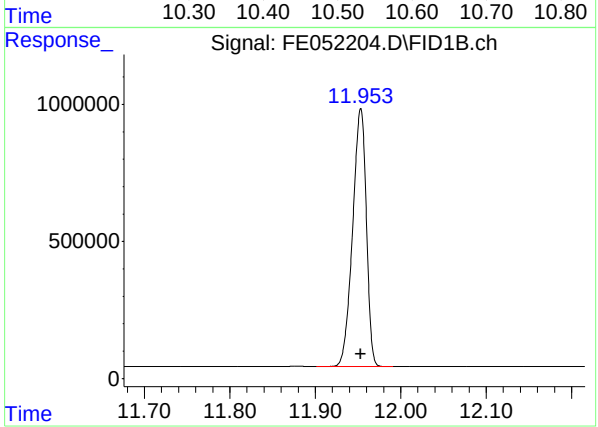
#6 n-Tetradecane (C14)

R.T.: 8.915 min
Delta R.T.: 0.000 min
Response: 9441421
Conc: 95.45 ug/ml



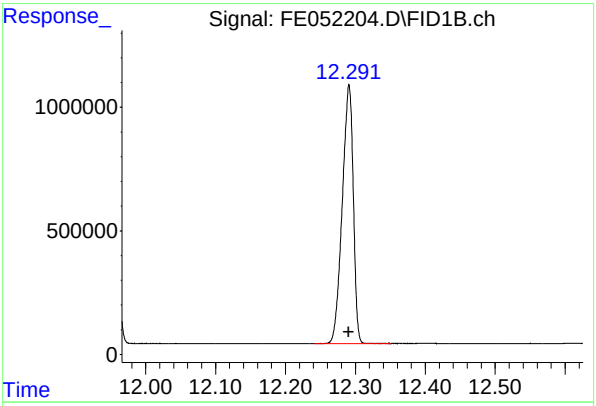
#7 n-Hexadecane (C16)

R.T.: 10.514 min
Delta R.T.: 0.000 min
Response: 10085468
Conc: 95.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.953 min
Delta R.T.: 0.000 min
Response: 10492394
Conc: 94.96 ug/ml



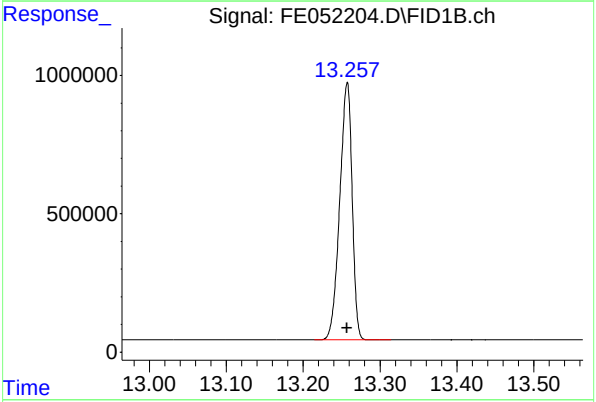
#9 ortho-Terphenyl (SURR)

R.T.: 12.291 min
Delta R.T.: 0.000 min
Response: 11433358
Conc: 94.93 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

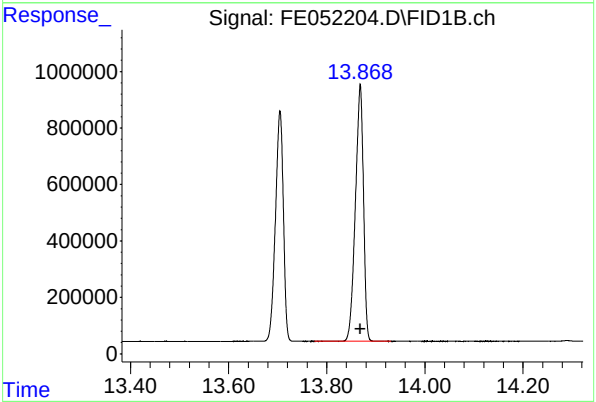
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



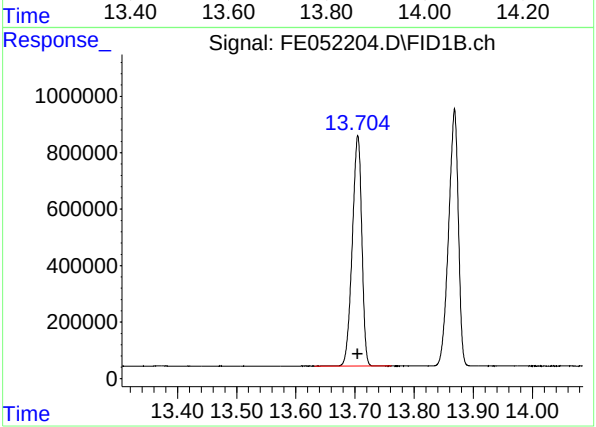
#10 n-Eicosane (C20)

R.T.: 13.257 min
Delta R.T.: 0.000 min
Response: 10385290
Conc: 94.71 ug/ml



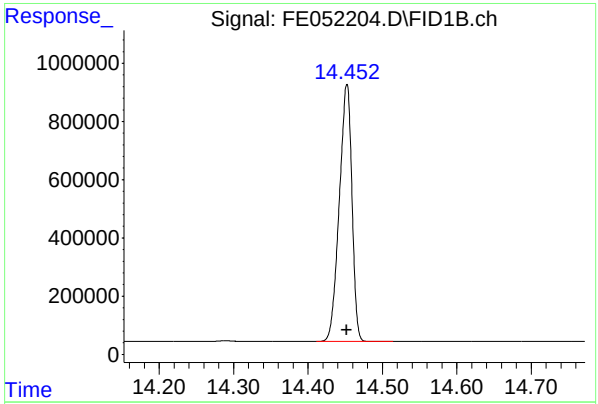
#11 n-Heneicosane (C21)

R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 10368538
Conc: 94.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.705 min
Delta R.T.: 0.000 min
Response: 9123651
Conc: 94.91 ug/ml



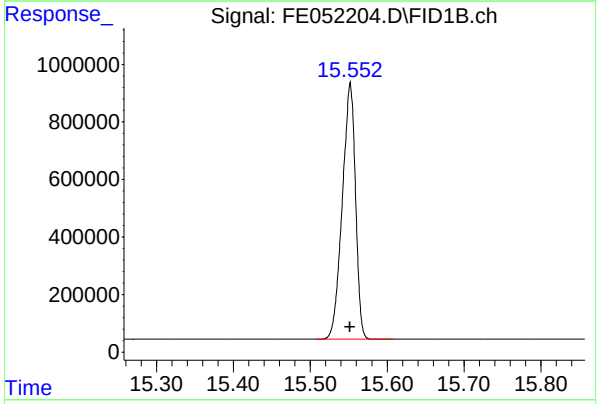
#13 n-Docosane (C22)

R.T.: 14.452 min
Delta R.T.: 0.000 min
Response: 10430935
Conc: 94.76 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

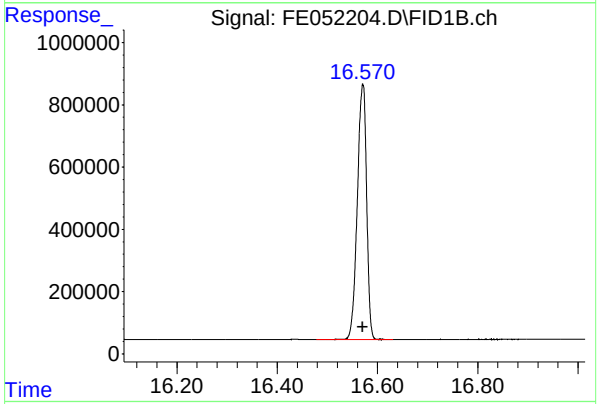
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



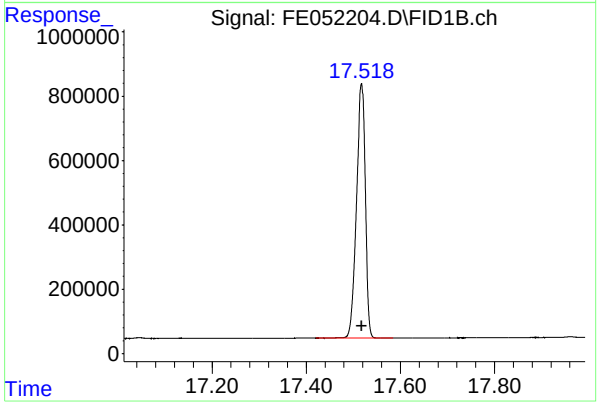
#14 n-Tetracosane (C24)

R.T.: 15.552 min
Delta R.T.: 0.000 min
Response: 10585800
Conc: 94.61 ug/ml



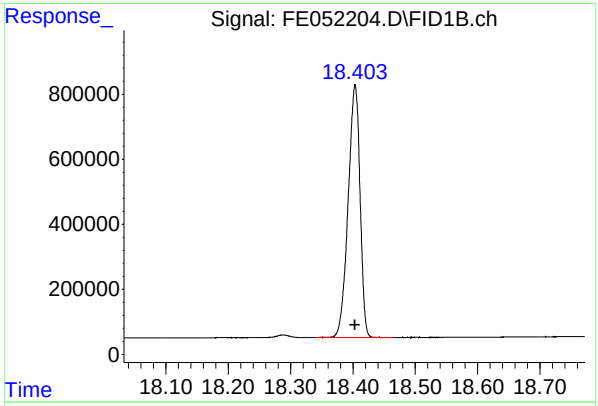
#15 n-Hexacosane (C26)

R.T.: 16.570 min
Delta R.T.: 0.000 min
Response: 10542000
Conc: 94.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.518 min
Delta R.T.: 0.000 min
Response: 10328264
Conc: 94.15 ug/ml



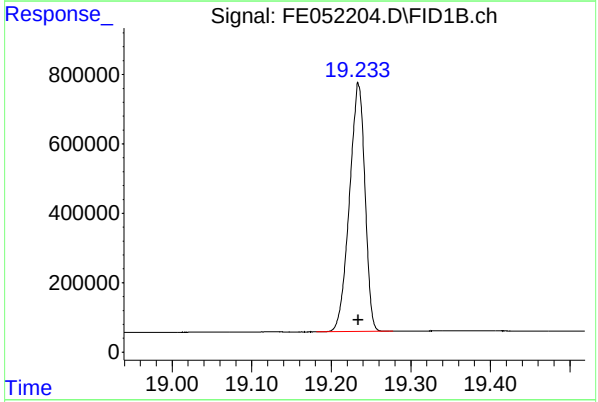
#17 n-Tricontane (C30)

R.T.: 18.403 min
Delta R.T.: 0.000 min
Response: 10293664
Conc: 93.57 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

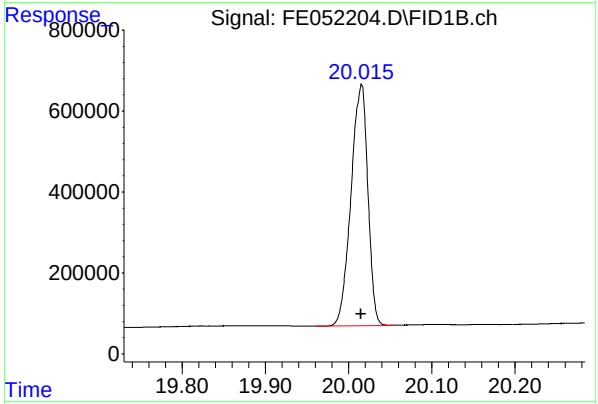
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



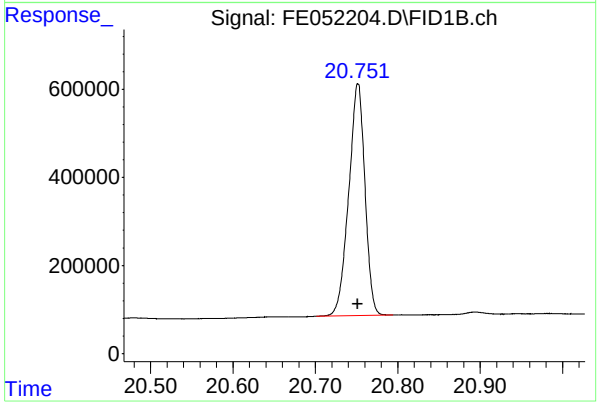
#18 n-Dotriacontane (C32)

R.T.: 19.234 min
Delta R.T.: 0.000 min
Response: 9682834
Conc: 92.48 ug/ml



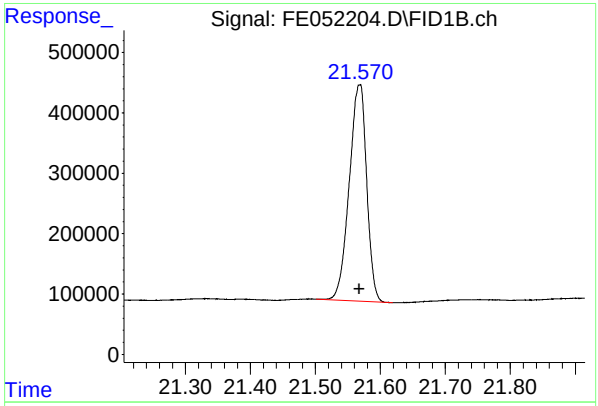
#19 n-Tetratriacontane (C34)

R.T.: 20.015 min
Delta R.T.: 0.000 min
Response: 8402760
Conc: 91.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.752 min
Delta R.T.: 0.000 min
Response: 7202937
Conc: 90.40 ug/ml



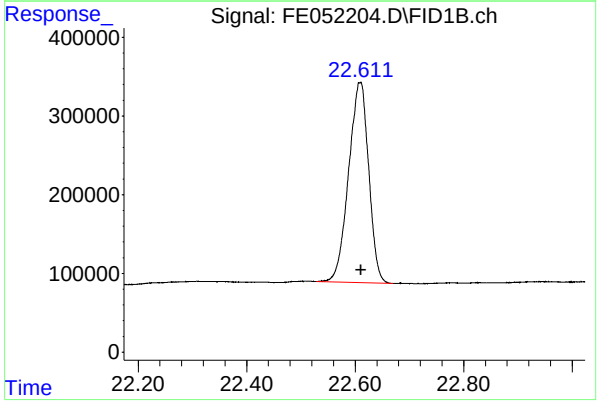
#21 n-Octatriacontane (C38)

R.T.: 21.568 min
Delta R.T.: 0.000 mi
Response: 6673402
Conc: 91.97 ug/m

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#22 n-Tetracontane (C40)

R.T.: 22.611 min
Delta R.T.: 0.000 min
Response: 6526354
Conc: 91.01 ug/ml m

Instrument :
FID_E
LabSampleId :
100 PPM ALIPHATIC HC STD1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02032
Data File : FE052204.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 11:51
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.734	3.584	3.794	BB	940546	8601709	75.23%	4.127%
2	4.965	4.928	5.031	BB	950454	8881455	77.68%	4.261%
3	6.672	6.634	6.705	BV	1041249	9911771	86.69%	4.755%
4	7.102	7.068	7.168	BB	967166	9215462	80.60%	4.421%
5	7.757	7.701	7.858	PB	1034816	9855017	86.20%	4.728%
6	8.915	8.798	8.961	BB	938762	9441421	82.58%	4.530%
7	10.514	10.471	10.574	BB	980679	10085468	88.21%	4.839%
8	11.953	11.901	11.991	PB	949637	10492394	91.77%	5.034%
9	12.291	12.241	12.351	BB	1051207	11433358	100.00%	5.486%
10	13.257	13.214	13.314	BB	935904	10385290	90.83%	4.983%
11	13.705	13.631	13.761	BB	815941	9123651	79.80%	4.377%
12	13.868	13.774	13.931	BB	903580	10368538	90.69%	4.975%
13	14.452	14.411	14.514	BB	882839	10430935	91.23%	5.005%
14	15.552	15.508	15.608	BB	884369	10585800	92.59%	5.079%
15	16.570	16.478	16.631	BB	824083	10542000	92.20%	5.058%
16	17.518	17.421	17.584	BB	790758	10328264	90.33%	4.955%
17	18.403	18.341	18.464	BB	778904	10293664	90.03%	4.939%
18	19.234	19.181	19.278	BB	716677	9682834	84.69%	4.646%
19	20.015	19.961	20.053	BV	590825	8402760	73.49%	4.032%
20	20.752	20.701	20.794	BB	527169	7202937	63.00%	3.456%
21	21.568	21.501	21.619	BBA	359154	6673402	58.37%	3.202%
22	22.609	22.521	22.659	BBA	254566	6489486	56.76%	3.114%
			Sum of corrected areas:			208427616		

Aliphatic EPH 020325.M Mon Feb 03 23:15:25 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052205.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:21
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Feb 03 13:58:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 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)	12.285	5955153	49.627 ug/ml
Spiked Amount	50.000		Recovery =	99.25%
12) S	1-chlorooctadecane (S...	13.700	4747770	49.590 ug/ml
Spiked Amount	50.000		Recovery =	99.18%
	Target Compounds			
1) T	n-Nonane (C9)	3.730	4482230	49.589 ug/ml
2) T	n-Decane (C10)	4.962	4616333	49.578 ug/ml
3) T	A~Naphthalene (C11.7)	6.668	5170881	49.727 ug/ml
4) T	n-Dodecane (C12)	7.099	4779669	49.620 ug/ml
5) T	A~2-methylnaphthalene...	7.753	5097838	49.690 ug/ml
6) T	n-Tetradecane (C14)	8.912	4903440	49.713 ug/ml
7) T	n-Hexadecane (C16)	10.510	5244652	49.664 ug/ml
8) T	n-Octadecane (C18)	11.948	5466831	49.651 ug/ml
10) T	n-Eicosane (C20)	13.253	5412975	49.575 ug/ml
11) T	n-Heneicosane (C21)	13.862	5401448	49.554 ug/ml
13) T	n-Docosane (C22)	14.447	5433041	49.570 ug/ml
14) T	n-Tetracosane (C24)	15.547	5516574	49.534 ug/ml
15) T	n-Hexacosane (C26)	16.564	5505166	49.584 ug/ml
16) T	n-Octacosane (C28)	17.511	5417535	49.589 ug/ml
17) T	n-Tricontane (C30)	18.397	5406612	49.427 ug/ml
18) T	n-Dotriacontane (C32)	19.228	5123574	49.285 ug/ml
19) T	n-Tetratriacontane (C34)	20.010	4482520	49.379 ug/ml
20) T	n-Hexatriacontane (C36)	20.747	3850881	48.875 ug/ml
21) T	n-Octatriacontane (C38)	21.561	3526461	49.058 ug/ml
22) T	n-Tetracontane (C40)	22.600	3521284	49.390 ug/ml

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

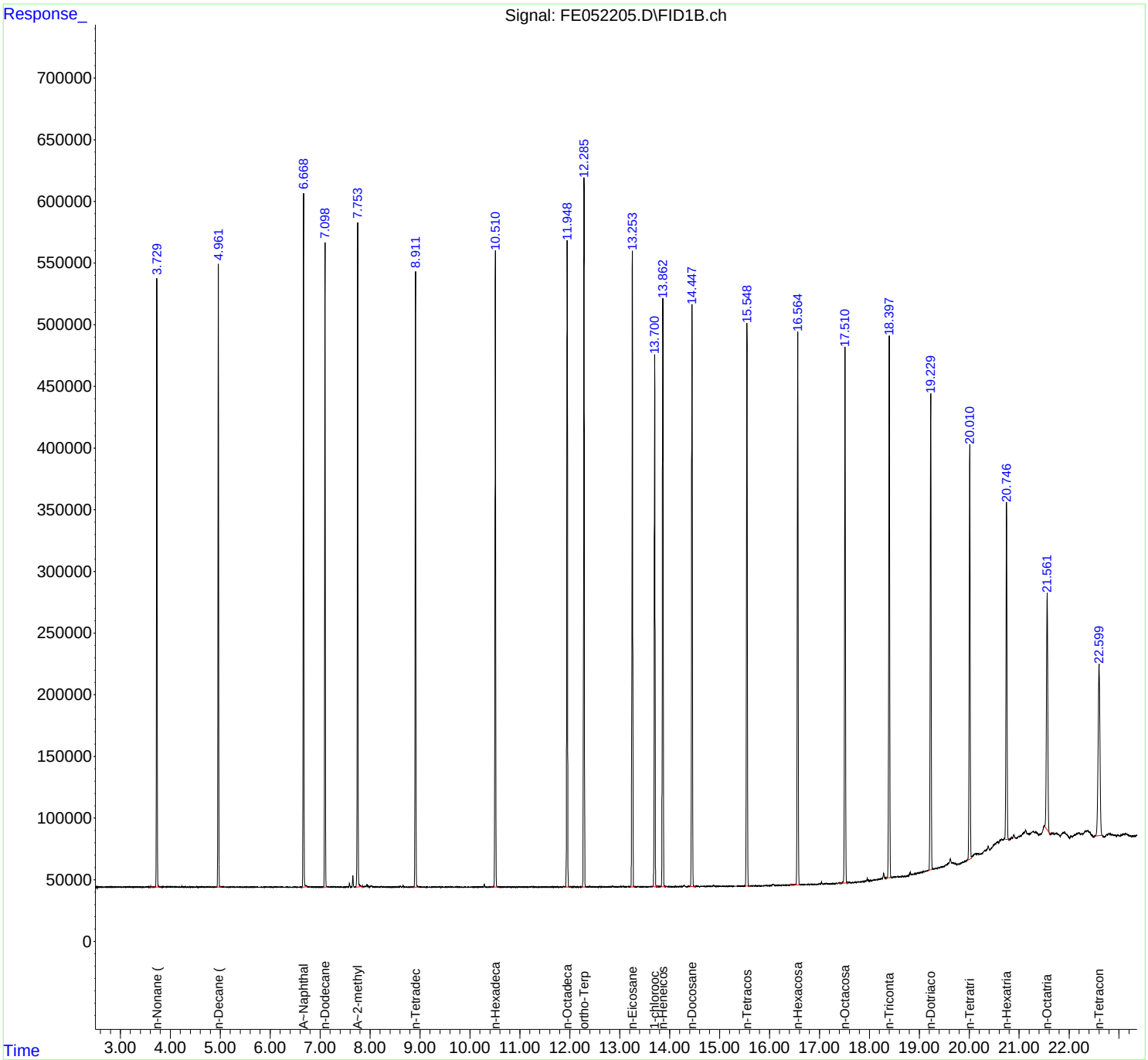
Quantitation Report (QT Reviewed)

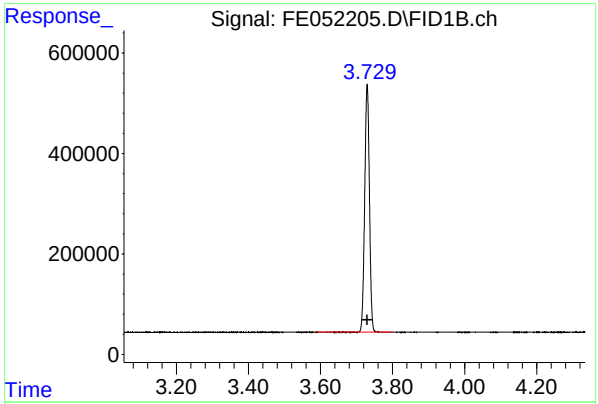
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052205.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:21
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Feb 03 13:58:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

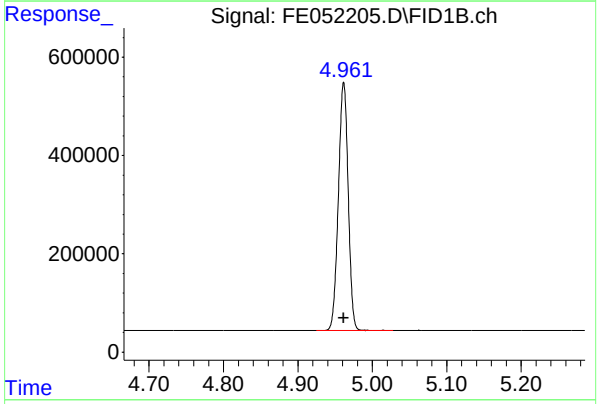




#1 n-Nonane (C9)

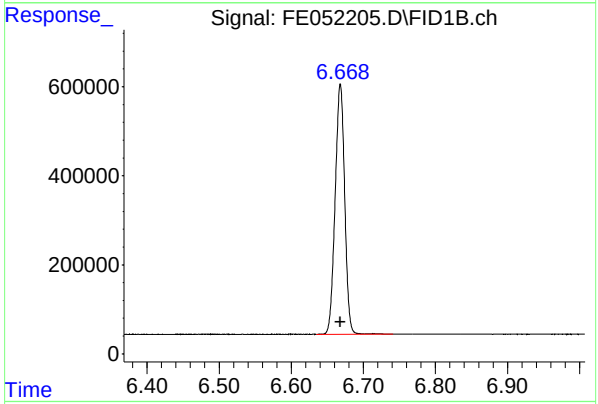
R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 4482230
Conc: 49.59 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



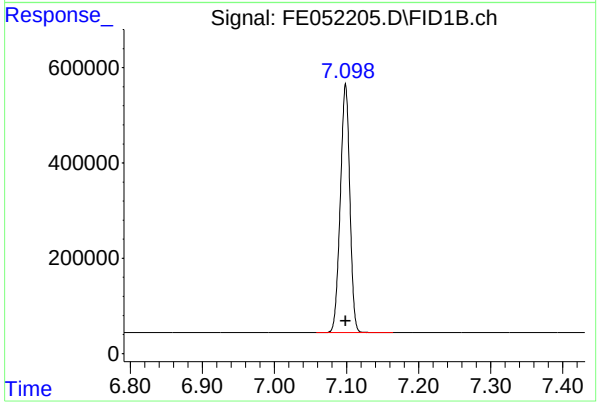
#2 n-Decane (C10)

R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 4616333
Conc: 49.58 ug/ml



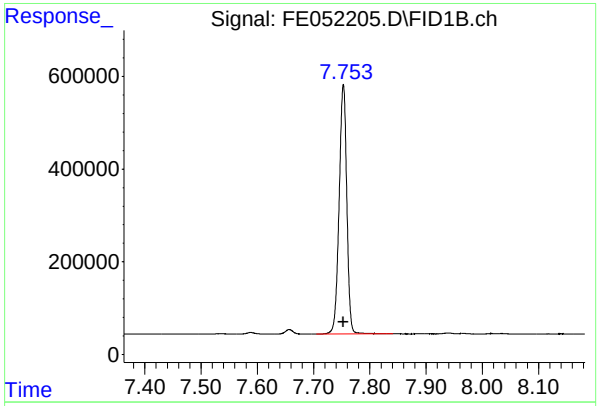
#3 A~Naphthalene (C11.7)

R.T.: 6.668 min
Delta R.T.: 0.000 min
Response: 5170881
Conc: 49.73 ug/ml



#4 n-Dodecane (C12)

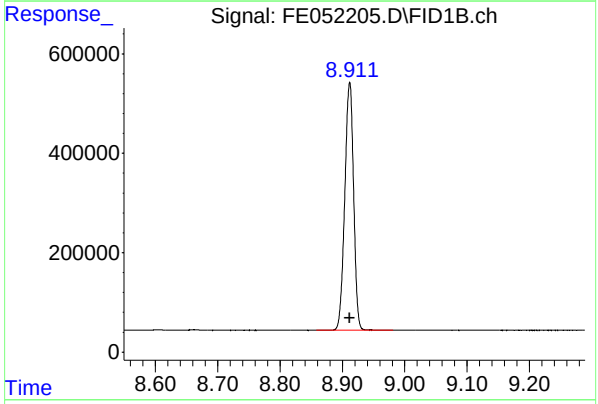
R.T.: 7.099 min
Delta R.T.: 0.000 min
Response: 4779669
Conc: 49.62 ug/ml



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

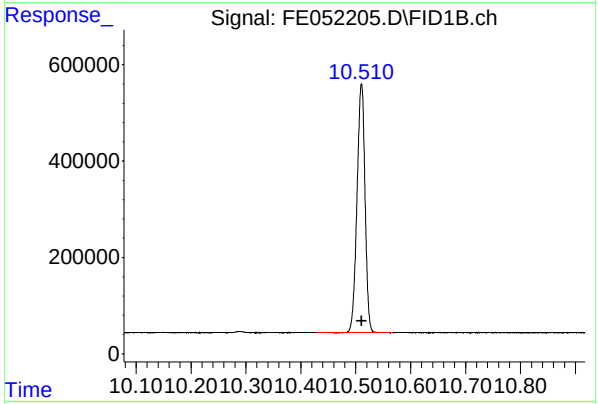
R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 5097838
Conc: 49.69 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



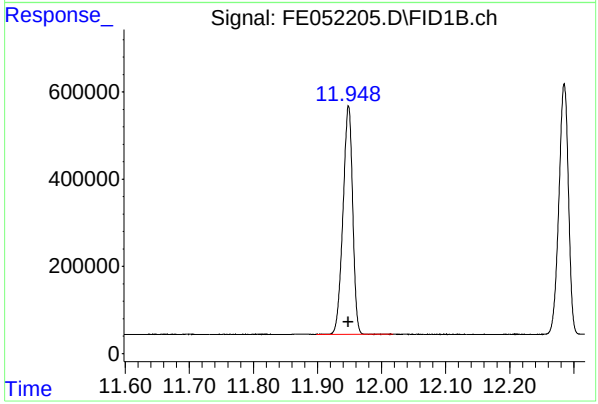
#6 n-Tetradecane (C14)

R.T.: 8.912 min
Delta R.T.: 0.000 min
Response: 4903440
Conc: 49.71 ug/ml



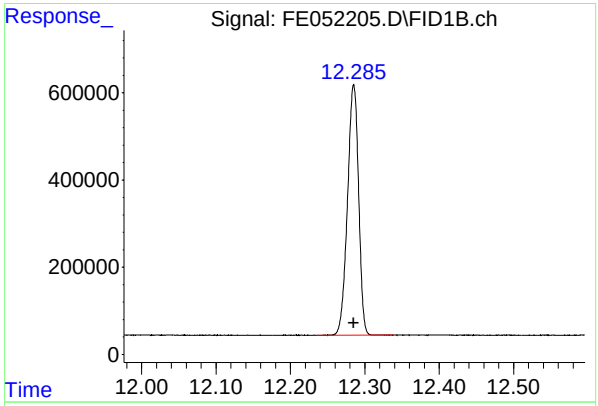
#7 n-Hexadecane (C16)

R.T.: 10.510 min
Delta R.T.: 0.000 min
Response: 5244652
Conc: 49.66 ug/ml



#8 n-Octadecane (C18)

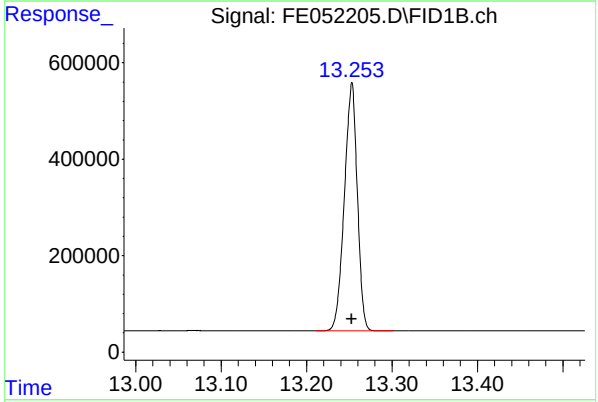
R.T.: 11.948 min
Delta R.T.: 0.000 min
Response: 5466831
Conc: 49.65 ug/ml



#9 ortho-Terphenyl (SURR)

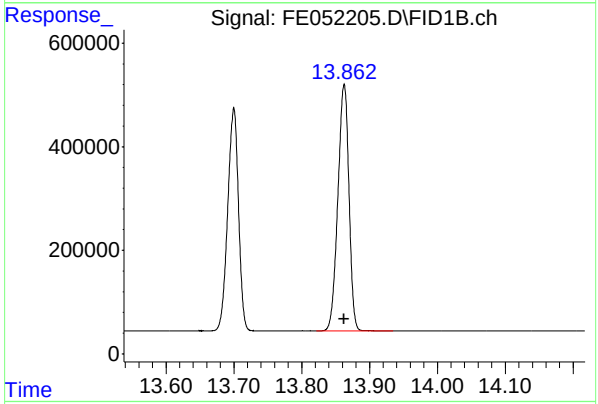
R.T.: 12.285 min
Delta R.T.: 0.000 min
Response: 5955153
Conc: 49.63 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



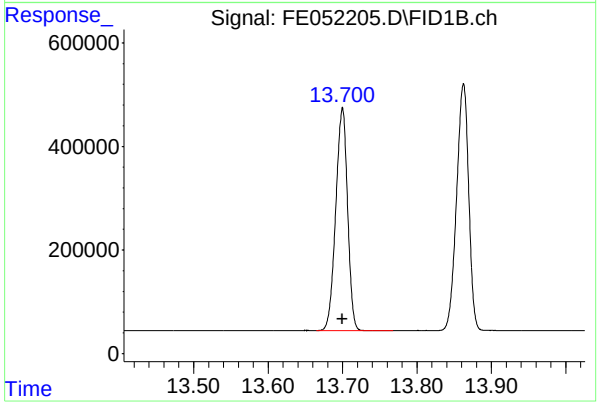
#10 n-Eicosane (C20)

R.T.: 13.253 min
Delta R.T.: 0.000 min
Response: 5412975
Conc: 49.58 ug/ml



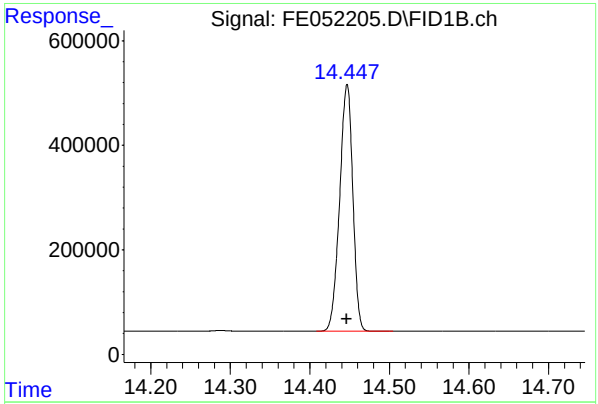
#11 n-Heneicosane (C21)

R.T.: 13.862 min
Delta R.T.: 0.000 min
Response: 5401448
Conc: 49.55 ug/ml



#12 1-chlorooctadecane (SURR)

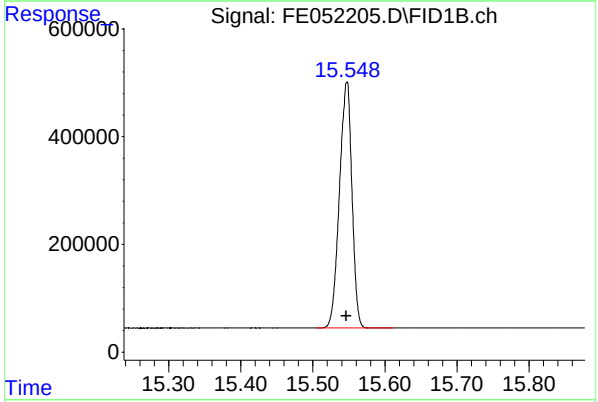
R.T.: 13.700 min
Delta R.T.: 0.000 min
Response: 4747770
Conc: 49.59 ug/ml



#13 n-Docosane (C22)

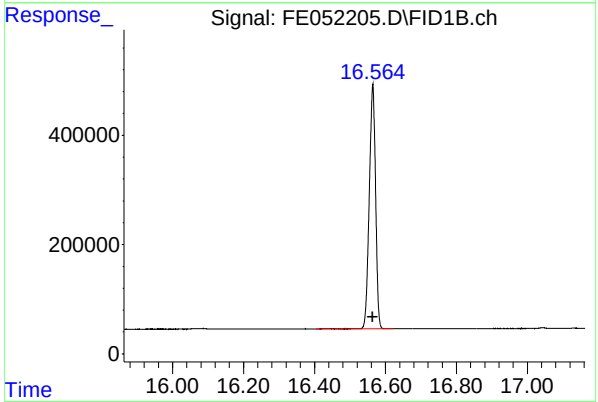
R.T.: 14.447 min
Delta R.T.: 0.000 min
Response: 5433041
Conc: 49.57 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



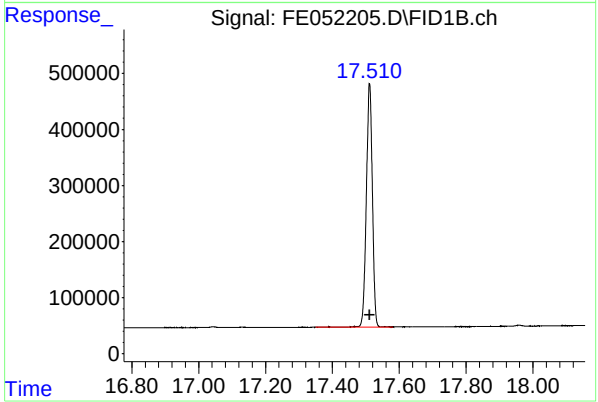
#14 n-Tetracosane (C24)

R.T.: 15.547 min
Delta R.T.: 0.000 min
Response: 5516574
Conc: 49.53 ug/ml



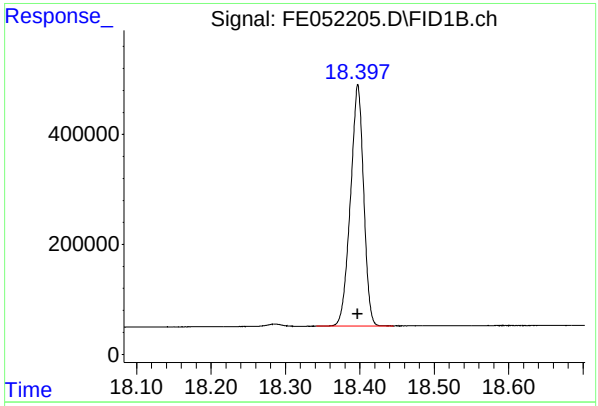
#15 n-Hexacosane (C26)

R.T.: 16.564 min
Delta R.T.: 0.000 min
Response: 5505166
Conc: 49.58 ug/ml



#16 n-Octacosane (C28)

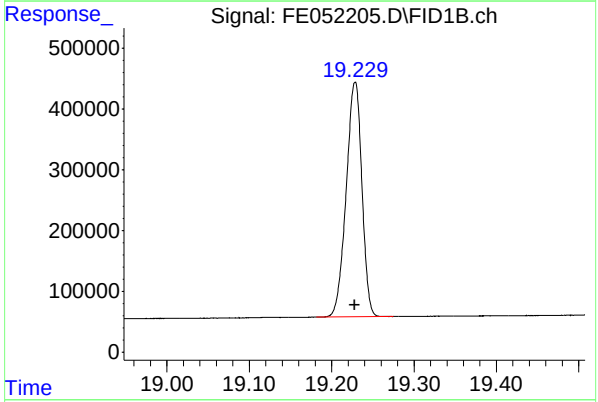
R.T.: 17.511 min
Delta R.T.: 0.000 min
Response: 5417535
Conc: 49.59 ug/ml



#17 n-Tricontane (C30)

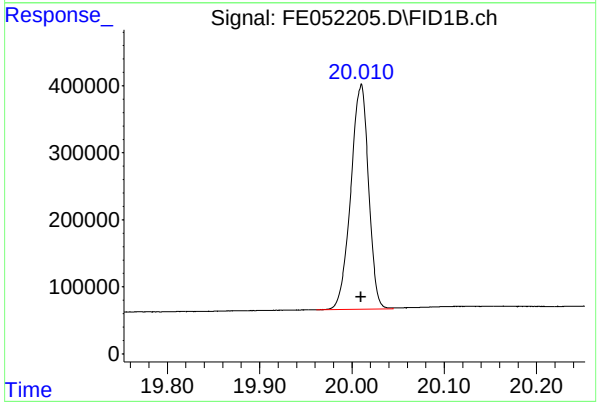
R.T.: 18.397 min
Delta R.T.: 0.000 min
Response: 5406612
Conc: 49.43 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



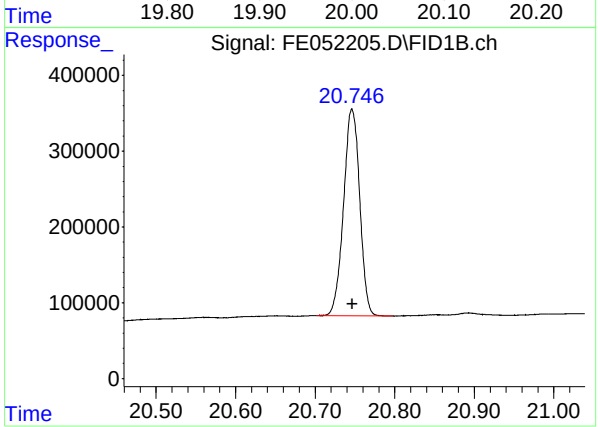
#18 n-Dotriacontane (C32)

R.T.: 19.228 min
Delta R.T.: 0.000 min
Response: 5123574
Conc: 49.29 ug/ml



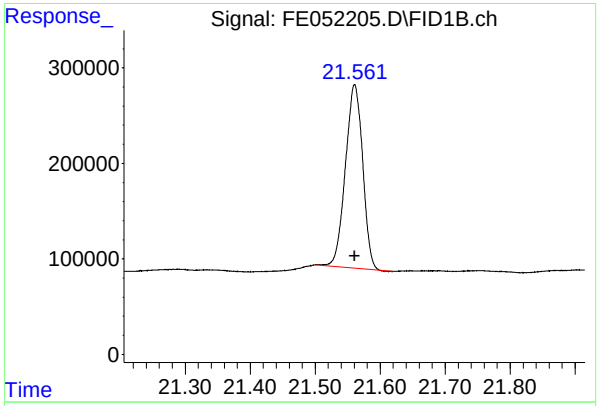
#19 n-Tetratriacontane (C34)

R.T.: 20.010 min
Delta R.T.: 0.000 min
Response: 4482520
Conc: 49.38 ug/ml



#20 n-Hexatriacontane (C36)

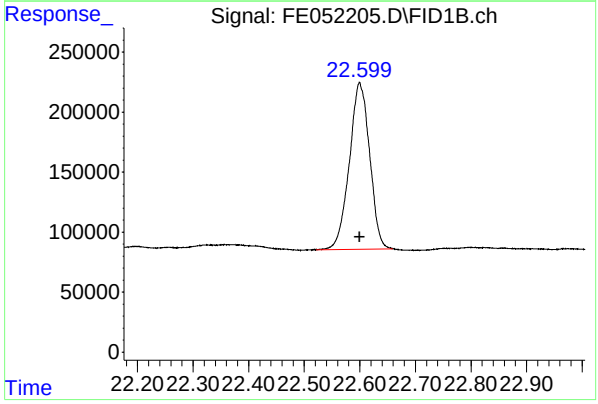
R.T.: 20.747 min
Delta R.T.: 0.000 min
Response: 3850881
Conc: 48.88 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.561 min
Delta R.T.: 0.000 min
Response: 3526461
Conc: 49.06 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.600 min
Delta R.T.: 0.000 min
Response: 3521284
Conc: 49.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052205.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:21
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.730	3.588	3.801	BB	491785	4482230	75.27%	4.110%
2	4.962	4.925	5.028	BB	504163	4616333	77.52%	4.233%
3	6.668	6.635	6.741	BB	562373	5170881	86.83%	4.741%
4	7.099	7.058	7.165	BB	517188	4779669	80.26%	4.382%
5	7.753	7.705	7.841	PB	543099	5097838	85.60%	4.674%
6	8.912	8.858	8.981	BB	496876	4903440	82.34%	4.496%
7	10.510	10.428	10.568	BB	520021	5244652	88.07%	4.809%
8	11.948	11.898	12.018	BB	524232	5466831	91.80%	5.013%
9	12.285	12.235	12.338	BB	574914	5955153	100.00%	5.460%
10	13.253	13.211	13.301	BB	501216	5412975	90.90%	4.963%
11	13.700	13.665	13.768	BB	434168	4747770	79.73%	4.353%
12	13.862	13.821	13.935	BB	474993	5401448	90.70%	4.953%
13	14.447	14.408	14.505	BB	476035	5433041	91.23%	4.982%
14	15.547	15.505	15.611	BB	463912	5516574	92.64%	5.058%
15	16.564	16.405	16.621	BB	448117	5505166	92.44%	5.048%
16	17.511	17.351	17.581	BB	436527	5417535	90.97%	4.967%
17	18.397	18.341	18.445	BB	438714	5406612	90.79%	4.957%
18	19.228	19.181	19.275	BB	386800	5123574	86.04%	4.698%
19	20.010	19.961	20.045	BV	338968	4482520	75.27%	4.110%
20	20.747	20.701	20.798	BV	271134	3850881	64.66%	3.531%
21	21.561	21.501	21.620	BBA	192101	3526461	59.22%	3.233%
22	22.600	22.521	22.660	BBA	137746	3521284	59.13%	3.229%
			Sum of corrected areas:			109062869		

Aliphatic EPH 020325.M Mon Feb 03 23:15:49 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052206.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Feb 03 13:55:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 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)	12.281	2531107	20.000 ug/ml
Spiked Amount	50.000	Recovery	=	40.00%
12)	S 1-chlorooctadecane (S...	13.697	2020549	20.000 ug/ml
Spiked Amount	50.000	Recovery	=	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.728	1910058	20.000 ug/ml
2)	T n-Decane (C10)	4.960	1963921	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.666	2188464	20.000 ug/ml
4)	T n-Dodecane (C12)	7.096	2024565	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.750	2145432	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.909	2068384	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.507	2221228	20.000 ug/ml
8)	T n-Octadecane (C18)	11.944	2321135	20.000 ug/ml
10)	T n-Eicosane (C20)	13.249	2308963	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.859	2305830	20.000 ug/ml
13)	T n-Docosane (C22)	14.443	2316758	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.542	2358406	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.560	2351140	20.000 ug/ml
16)	T n-Octacosane (C28)	17.507	2322220	20.000 ug/ml
17)	T n-Tricontane (C30)	18.393	2341724	20.000 ug/ml
18)	T n-Dotriacontane (C32)	19.223	2251455	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	20.005	1973116	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.742	1746459	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.555	1567789	20.000 ug/ml
22)	T n-Tetracontane (C40)	22.594	1563988	20.000 ug/ml

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

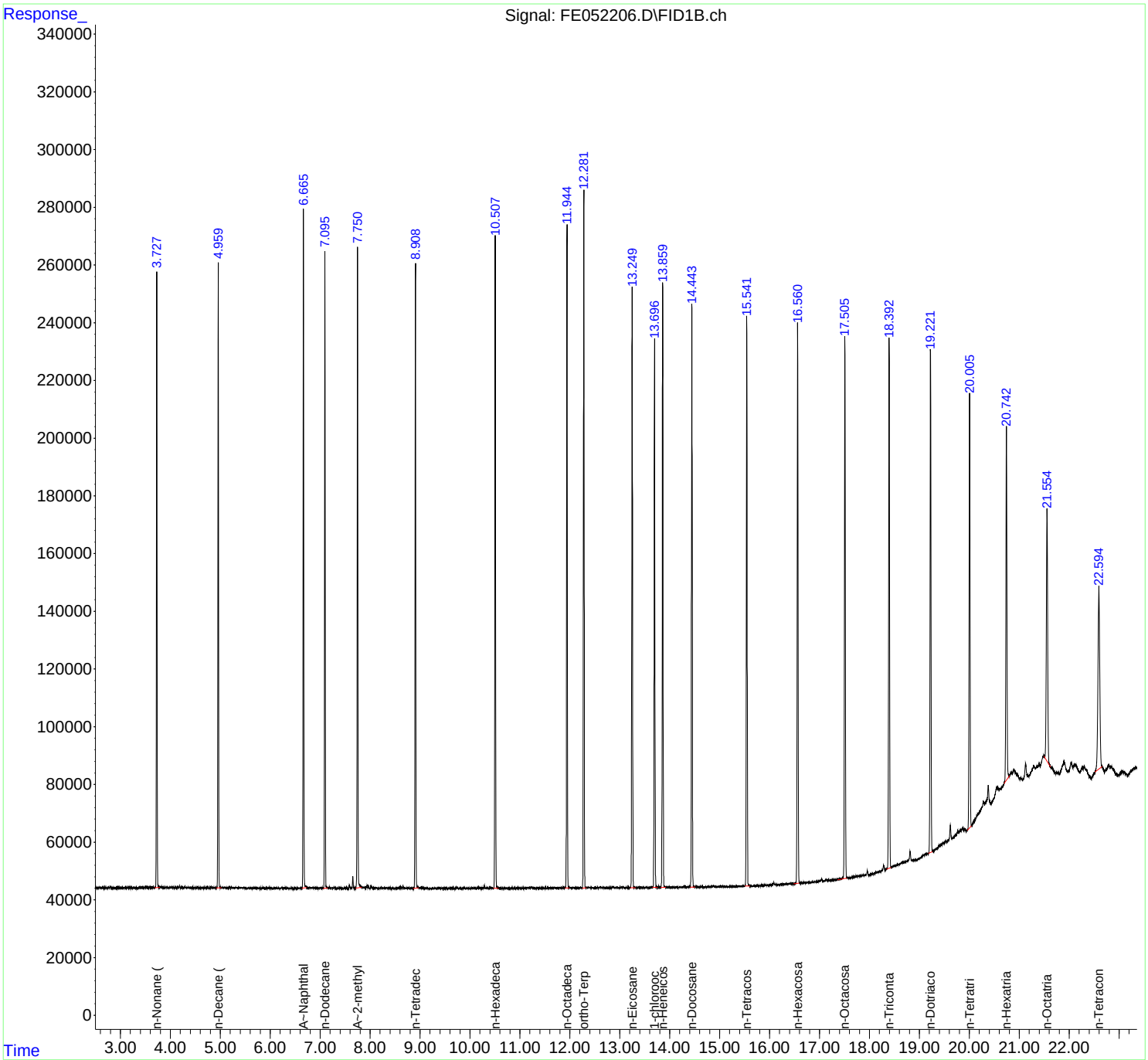
Quantitation Report (QT Reviewed)

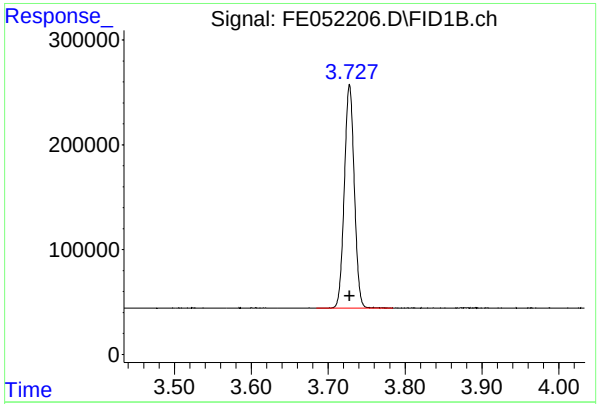
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052206.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Feb 03 13:55:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 13:54:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

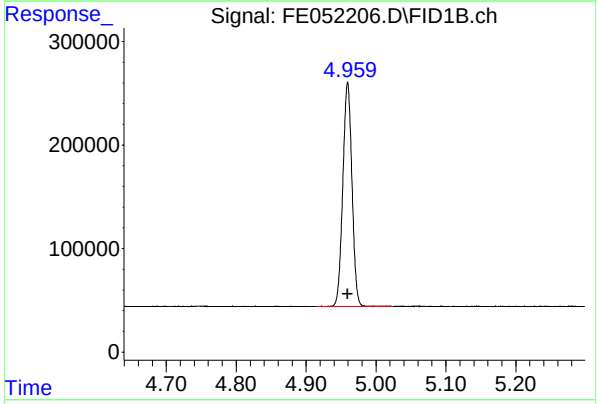




#1 n-Nonane (C9)

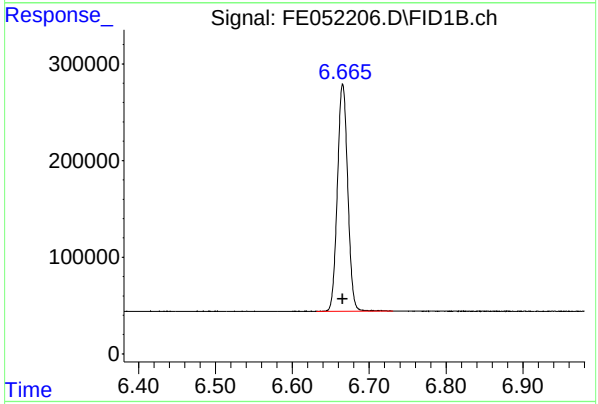
R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 1910058
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



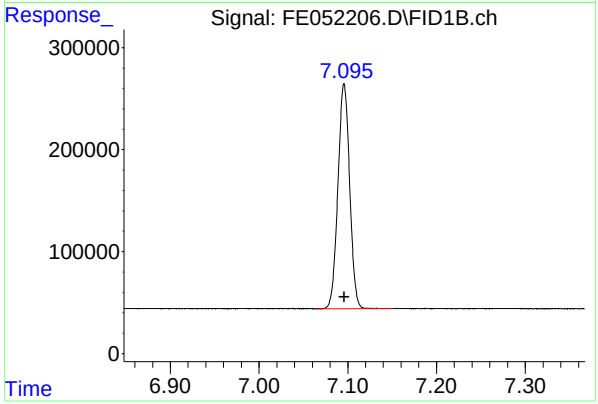
#2 n-Decane (C10)

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 1963921
Conc: 20.00 ug/ml



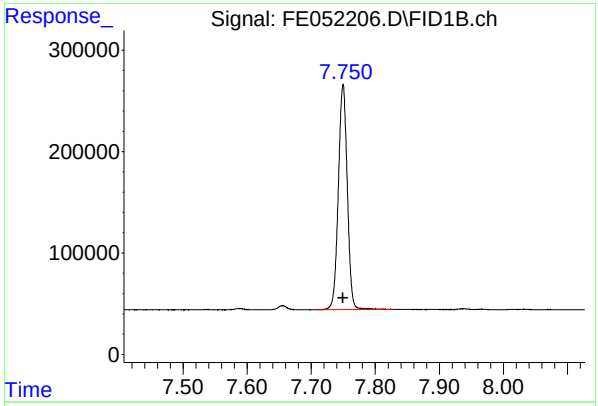
#3 A~Naphthalene (C11.7)

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 2188464
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

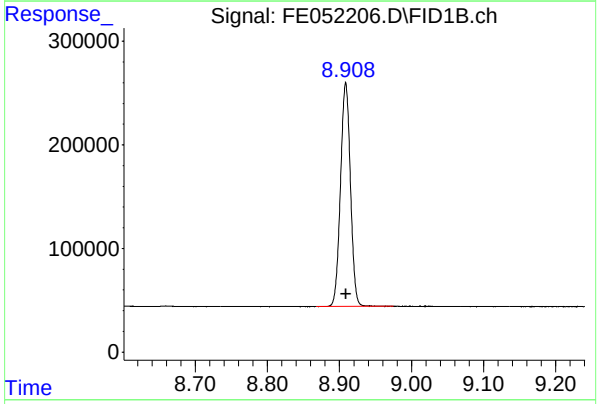
R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 2024565
Conc: 20.00 ug/ml



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

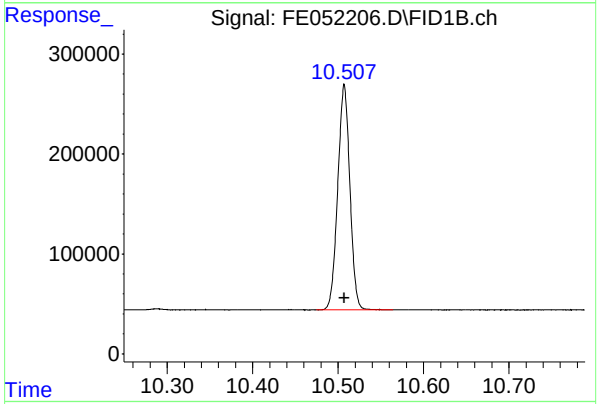
R.T.: 7.750 min
Delta R.T.: 0.000 min
Response: 2145432
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



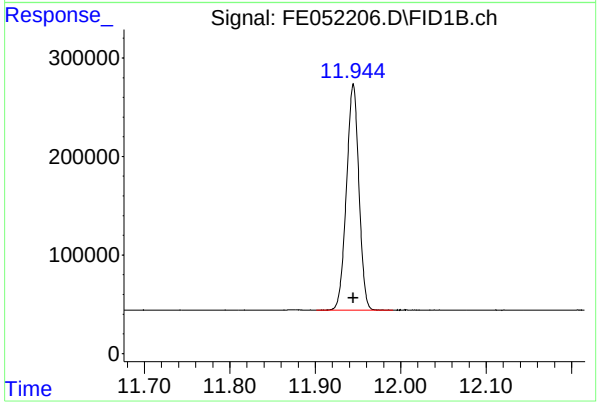
#6 n-Tetradecane (C14)

R.T.: 8.909 min
Delta R.T.: 0.000 min
Response: 2068384
Conc: 20.00 ug/ml



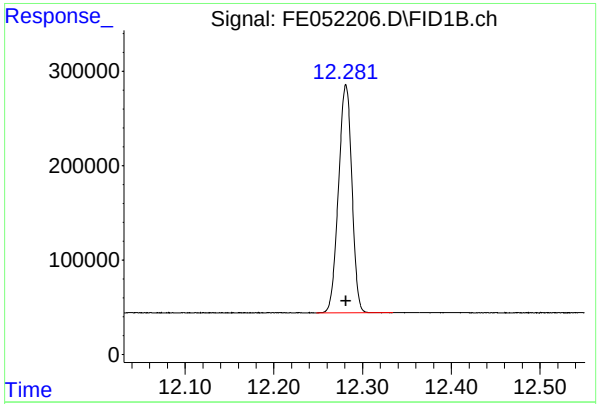
#7 n-Hexadecane (C16)

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 2221228
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

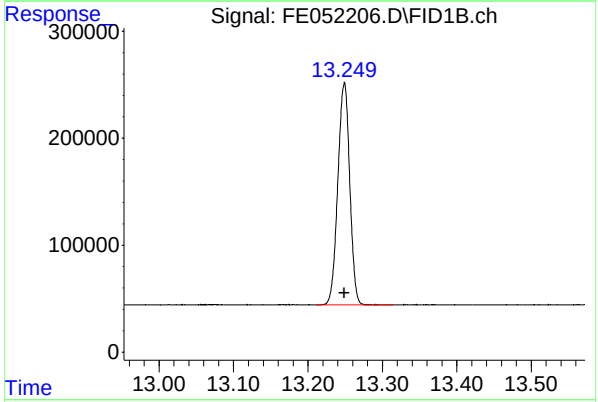
R.T.: 11.944 min
Delta R.T.: 0.000 min
Response: 2321135
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

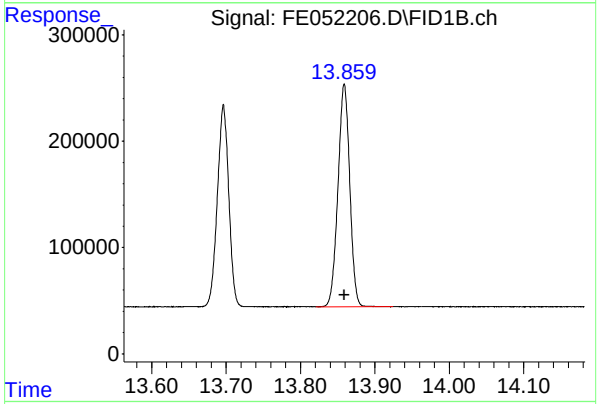
R.T.: 12.281 min
Delta R.T.: 0.000 min
Response: 2531107
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



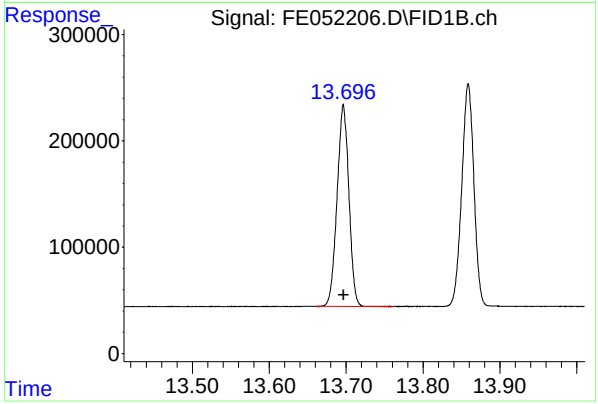
#10 n-Eicosane (C20)

R.T.: 13.249 min
Delta R.T.: 0.000 min
Response: 2308963
Conc: 20.00 ug/ml



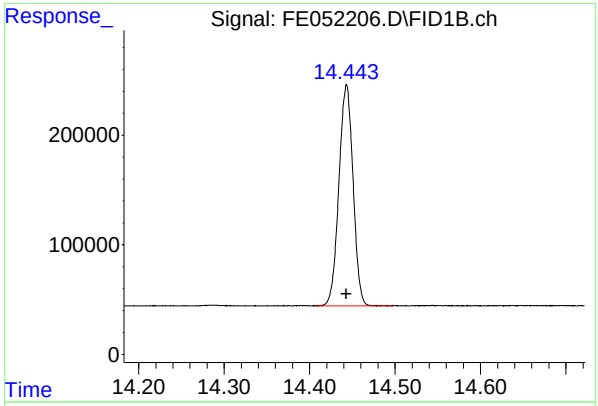
#11 n-Heneicosane (C21)

R.T.: 13.859 min
Delta R.T.: 0.000 min
Response: 2305830
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

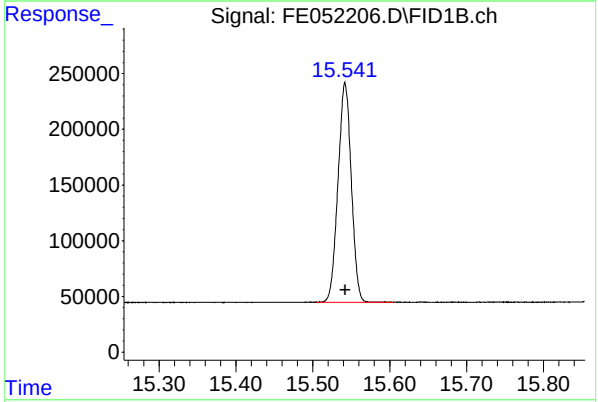
R.T.: 13.697 min
Delta R.T.: 0.000 min
Response: 2020549
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

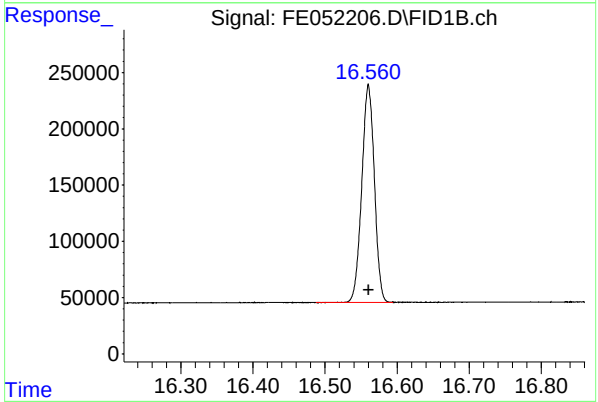
R.T.: 14.443 min
Delta R.T.: 0.000 min
Response: 2316758
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



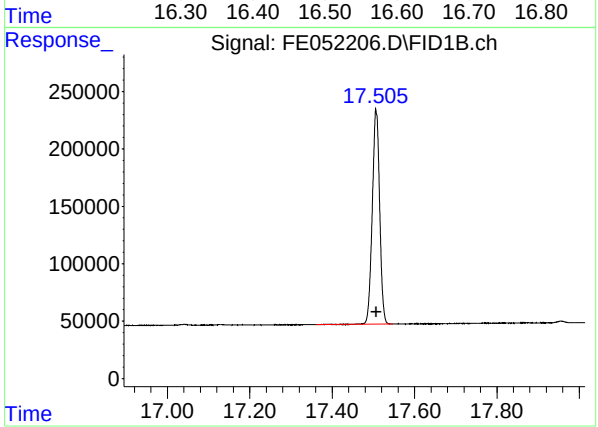
#14 n-Tetracosane (C24)

R.T.: 15.542 min
Delta R.T.: 0.000 min
Response: 2358406
Conc: 20.00 ug/ml



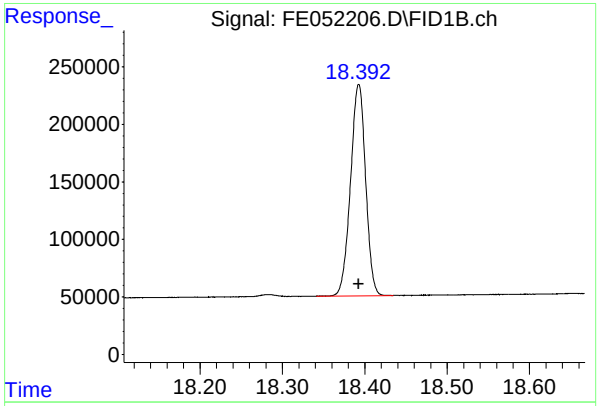
#15 n-Hexacosane (C26)

R.T.: 16.560 min
Delta R.T.: 0.000 min
Response: 2351140
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

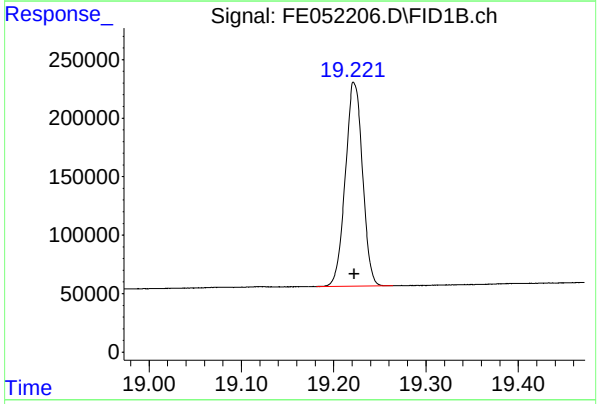
R.T.: 17.507 min
Delta R.T.: 0.000 min
Response: 2322220
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

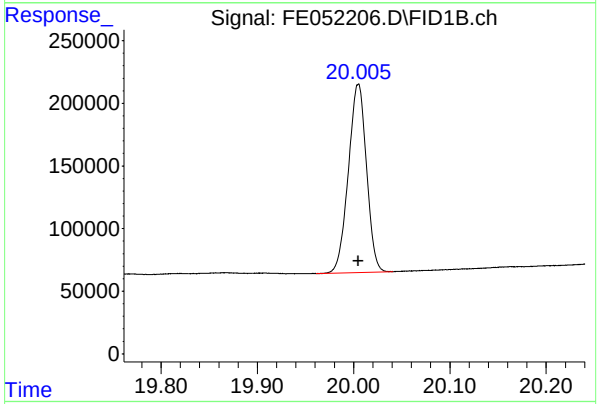
R.T.: 18.393 min
Delta R.T.: 0.000 min
Response: 2341724
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



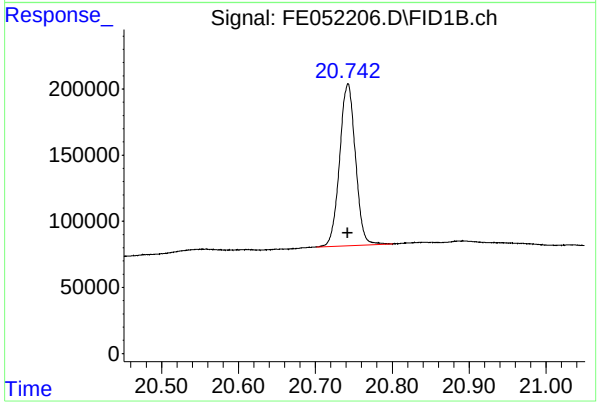
#18 n-Dotriacontane (C32)

R.T.: 19.223 min
Delta R.T.: 0.000 min
Response: 2251455
Conc: 20.00 ug/ml



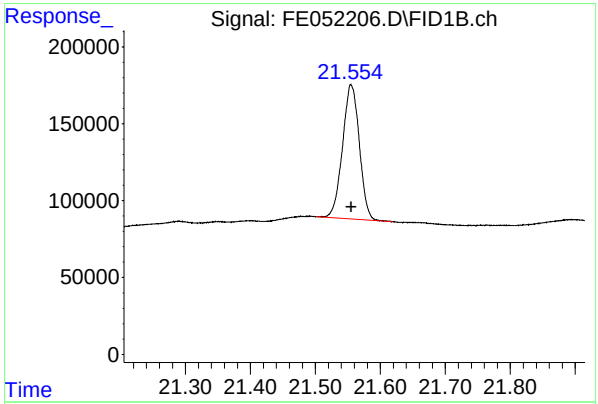
#19 n-Tetratriacontane (C34)

R.T.: 20.005 min
Delta R.T.: 0.000 min
Response: 1973116
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

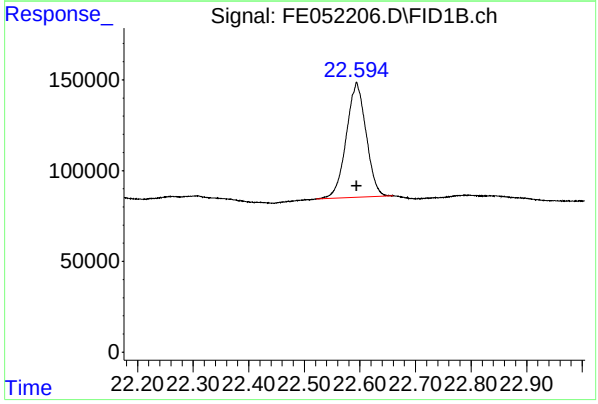
R.T.: 20.742 min
Delta R.T.: 0.000 min
Response: 1746459
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.555 min
Delta R.T.: 0.000 min
Response: 1567789
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.594 min
Delta R.T.: 0.000 min
Response: 1563988
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052206.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 12:51
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.728	3.684	3.784	BB	212689	1910058	75.46%	4.081%
2	4.960	4.914	5.024	BB	214588	1963921	77.59%	4.196%
3	6.666	6.631	6.731	BB	234838	2188464	86.46%	4.676%
4	7.096	7.064	7.151	BB	219129	2024565	79.99%	4.326%
5	7.750	7.708	7.828	BB	222327	2145432	84.76%	4.584%
6	8.909	8.868	8.974	BB	214132	2068384	81.72%	4.419%
7	10.507	10.474	10.564	BB	224497	2221228	87.76%	4.746%
8	11.944	11.901	11.991	BB	228806	2321135	91.70%	4.959%
9	12.281	12.248	12.334	BB	241475	2531107	100.00%	5.408%
10	13.249	13.211	13.314	BB	206427	2308963	91.22%	4.933%
11	13.697	13.661	13.761	BB	186984	2020549	79.83%	4.317%
12	13.859	13.821	13.924	BB	208057	2305830	91.10%	4.927%
13	14.443	14.408	14.498	BB	202147	2316758	91.53%	4.950%
14	15.542	15.504	15.604	BB	196375	2358406	93.18%	5.039%
15	16.560	16.488	16.594	BB	192221	2351140	92.89%	5.024%
16	17.507	17.361	17.548	BB	185246	2322220	91.75%	4.962%
17	18.393	18.341	18.434	BB	185006	2341724	92.52%	5.003%
18	19.223	19.181	19.264	BB	175505	2251455	88.95%	4.811%
19	20.005	19.961	20.041	BV	150759	1973116	77.95%	4.216%
20	20.742	20.701	20.801	BV	121392	1746459	69.00%	3.732%
21	21.555	21.501	21.619	BBA	87642	1567789	61.94%	3.350%
22	22.594	22.521	22.659	BBA	63231	1563988	61.79%	3.342%
			Sum of corrected areas:			46802690		

Aliphatic EPH 020325.M Mon Feb 03 23:16:07 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052207.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 13:54
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
Quant Time: Feb 03 14:21:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 14:21:31 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)	12.277	1238230	10.237 ug/ml
Spiked Amount	50.000		Recovery =	20.47%
12) S	1-chlorooctadecane (S...	13.692	986944	10.230 ug/ml
Spiked Amount	50.000		Recovery =	20.46%
	Target Compounds			
1) T	n-Nonane (C9)	3.729	938941	10.288 ug/ml
2) T	n-Decane (C10)	4.960	962570	10.251 ug/ml
3) T	A~Naphthalene (C11.7)	6.666	1068394	10.204 ug/ml
4) T	n-Dodecane (C12)	7.096	989497	10.203 ug/ml
5) T	A~2-methylnaphthalene...	7.749	1037240	10.082 ug/ml
6) T	n-Tetradecane (C14)	8.908	1004411	10.137 ug/ml
7) T	n-Hexadecane (C16)	10.505	1082834	10.189 ug/ml
8) T	n-Octadecane (C18)	11.940	1134536	10.226 ug/ml
10) T	n-Eicosane (C20)	13.245	1128534	10.250 ug/ml
11) T	n-Heneicosane (C21)	13.855	1126899	10.252 ug/ml
13) T	n-Docosane (C22)	14.439	1133675	10.255 ug/ml
14) T	n-Tetracosane (C24)	15.538	1151247	10.251 ug/ml
15) T	n-Hexacosane (C26)	16.556	1152330	10.281 ug/ml
16) T	n-Octacosane (C28)	17.503	1139904	10.322 ug/ml
17) T	n-Tricontane (C30)	18.388	1152823	10.399 ug/ml
18) T	n-Dotriacontane (C32)	19.219	1100242	10.431 ug/ml
19) T	n-Tetratriacontane (C34)	20.001	951382	10.356 ug/ml
20) T	n-Hexatriacontane (C36)	20.739	843309	10.518 ug/ml
21) T	n-Octatriacontane (C38)	21.550	734685	10.160 ug/mlm
22) T	n-Tetracontane (C40)	22.588	776821	10.657 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052207.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 13:54
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

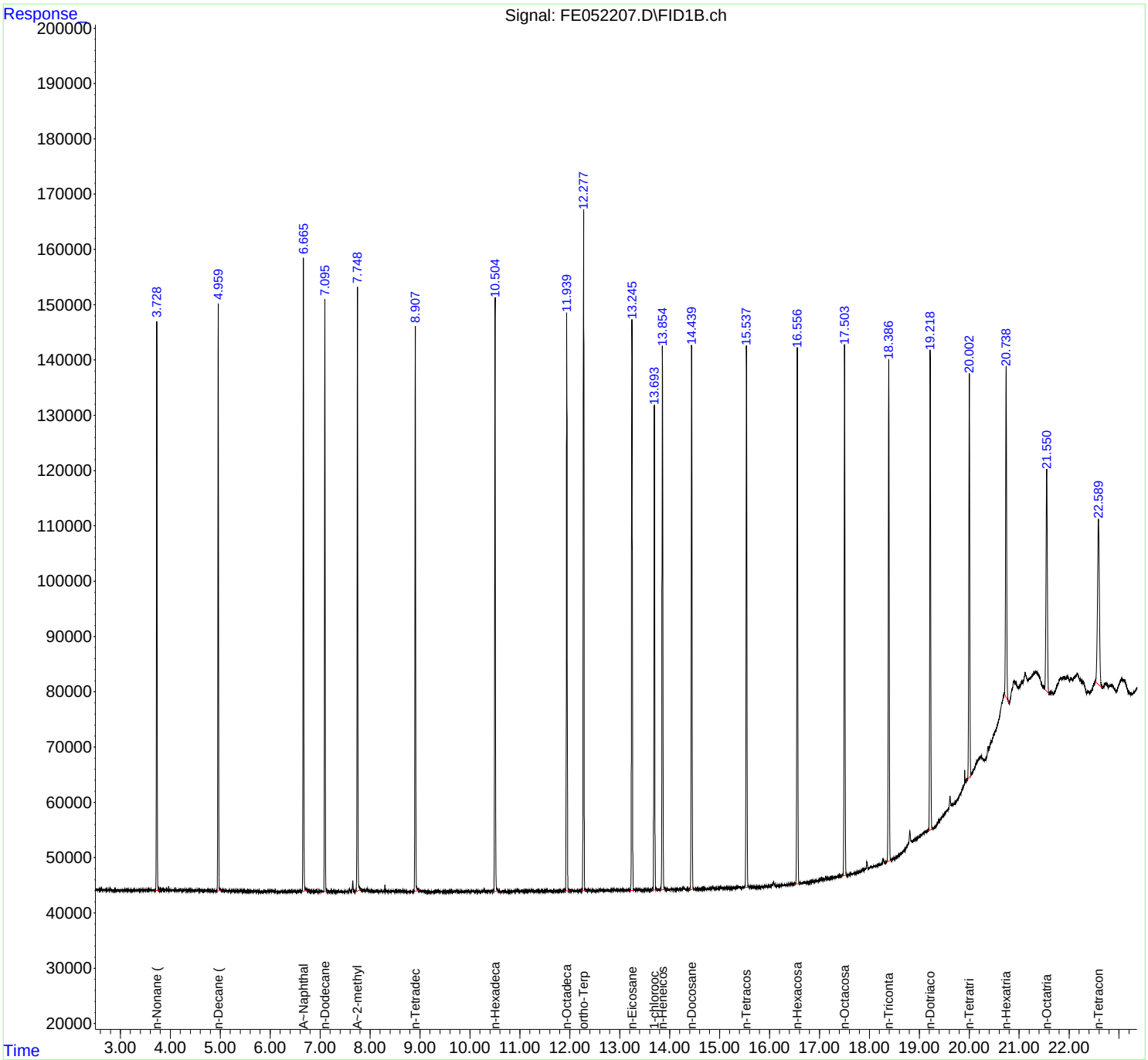
Integration File: autoint1.e
Quant Time: Feb 03 14:21:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Mon Feb 03 14:21:31 2025
Response via : Initial Calibration
Integrator: ChemStation

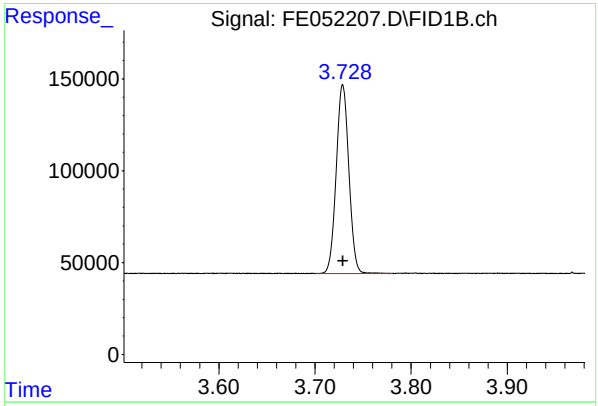
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025





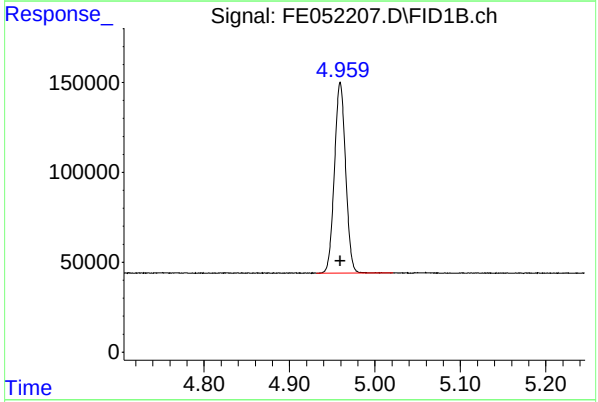
#1 n-Nonane (C9)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 938941
Conc: 10.29 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

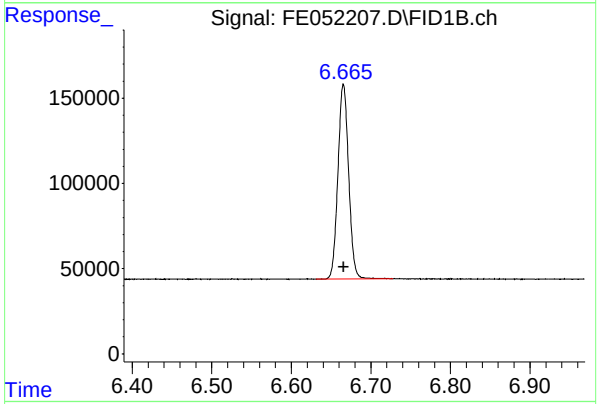
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



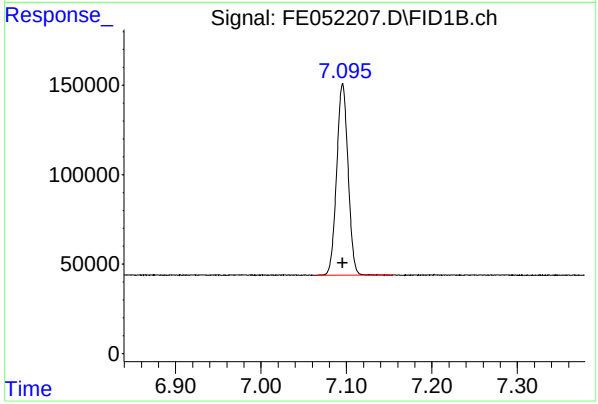
#2 n-Decane (C10)

R.T.: 4.960 min
Delta R.T.: 0.000 min
Response: 962570
Conc: 10.25 ug/ml



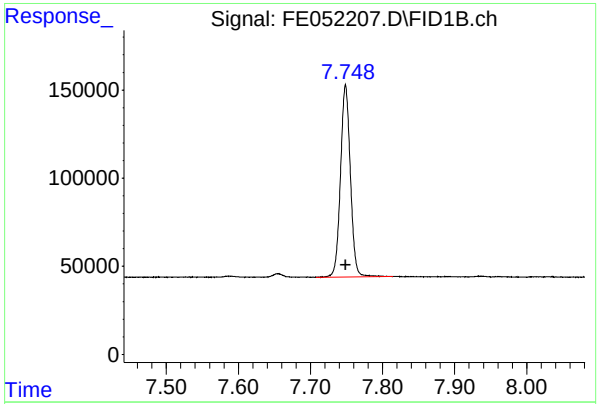
#3 A~Naphthalene (C11.7)

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 1068394
Conc: 10.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 989497
Conc: 10.20 ug/ml



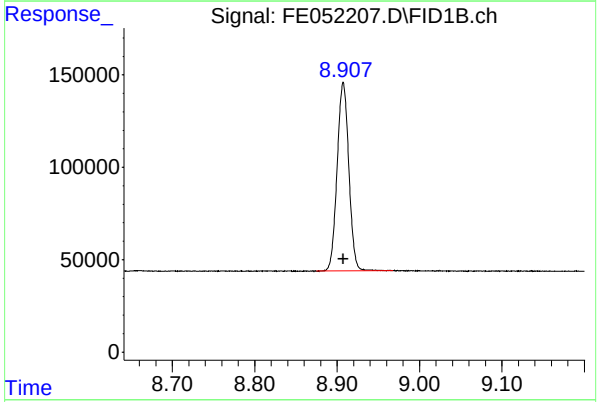
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 1037240
Conc: 10.08 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

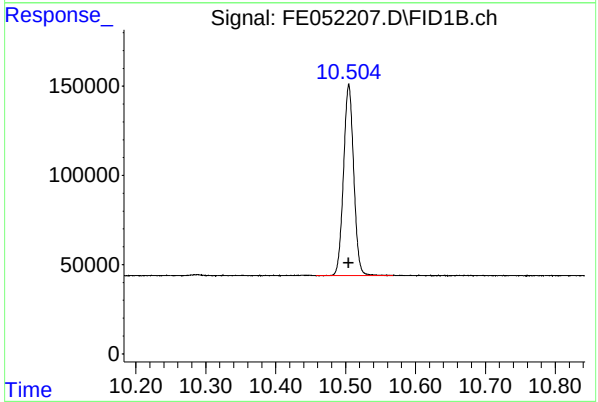
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



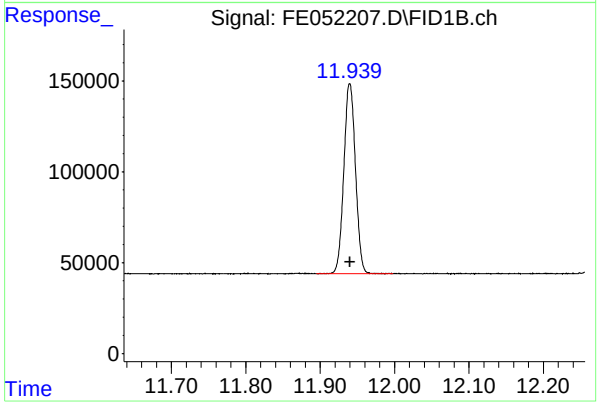
#6 n-Tetradecane (C14)

R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 1004411
Conc: 10.14 ug/ml



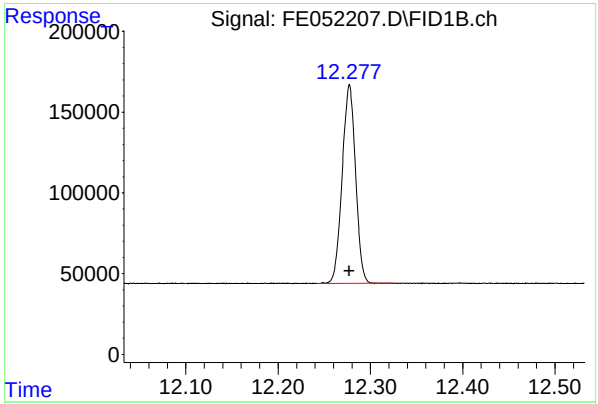
#7 n-Hexadecane (C16)

R.T.: 10.505 min
Delta R.T.: 0.000 min
Response: 1082834
Conc: 10.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 1134536
Conc: 10.23 ug/ml



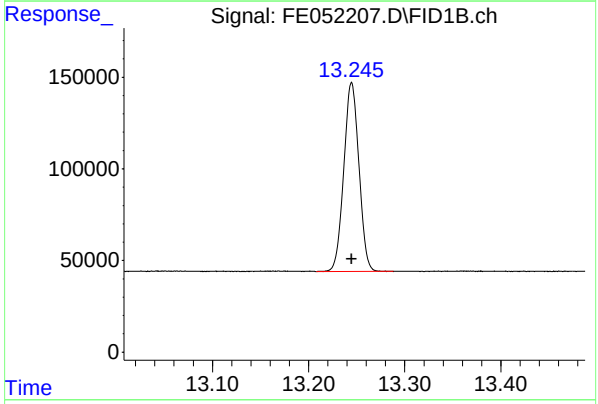
#9 ortho-Terphenyl (SURR)

R.T.: 12.277 min
Delta R.T.: 0.000 min
Response: 1238230
Conc: 10.24 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

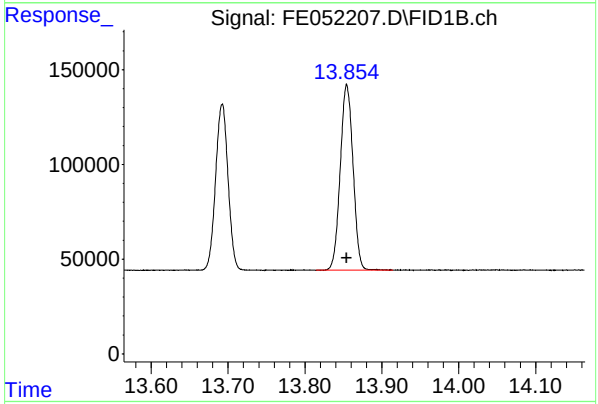
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



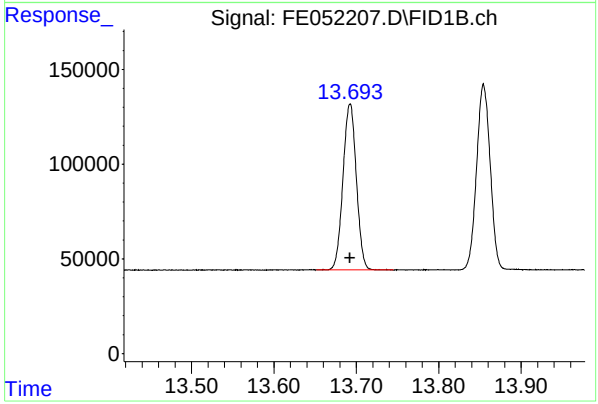
#10 n-Eicosane (C20)

R.T.: 13.245 min
Delta R.T.: 0.000 min
Response: 1128534
Conc: 10.25 ug/ml



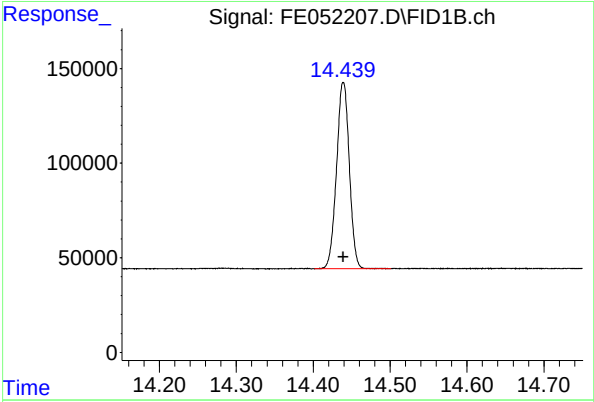
#11 n-Heneicosane (C21)

R.T.: 13.855 min
Delta R.T.: 0.000 min
Response: 1126899
Conc: 10.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 986944
Conc: 10.23 ug/ml



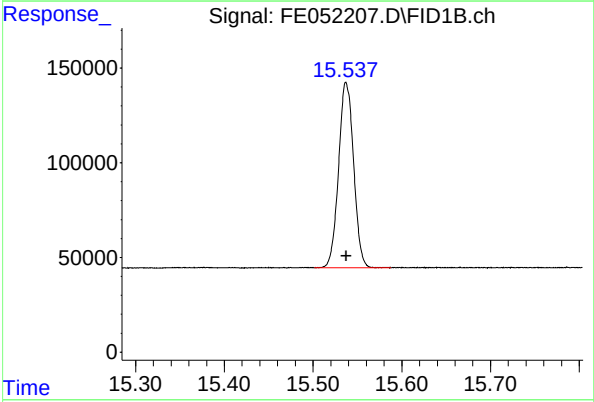
#13 n-Docosane (C22)

R.T.: 14.439 min
Delta R.T.: 0.000 min
Response: 1133675
Conc: 10.26 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

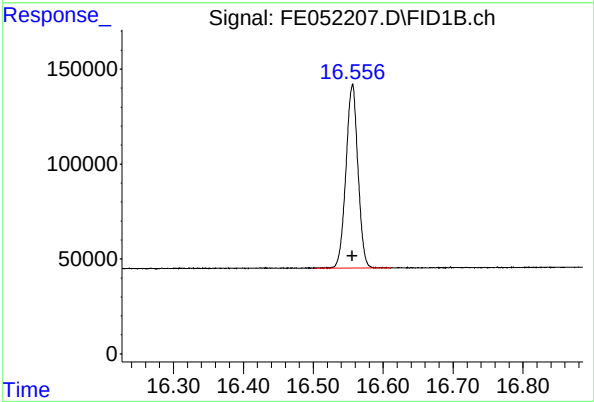
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



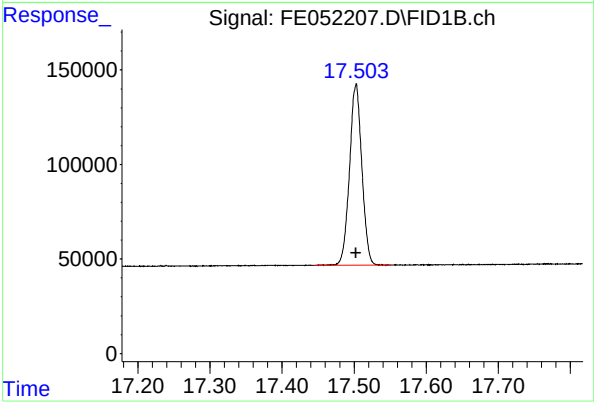
#14 n-Tetracosane (C24)

R.T.: 15.538 min
Delta R.T.: 0.000 min
Response: 1151247
Conc: 10.25 ug/ml



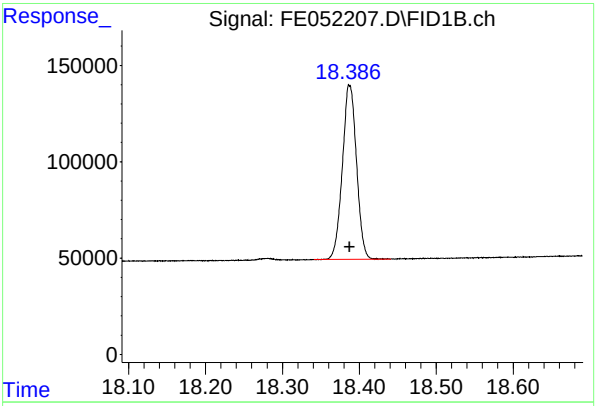
#15 n-Hexacosane (C26)

R.T.: 16.556 min
Delta R.T.: 0.000 min
Response: 1152330
Conc: 10.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.503 min
Delta R.T.: 0.000 min
Response: 1139904
Conc: 10.32 ug/ml



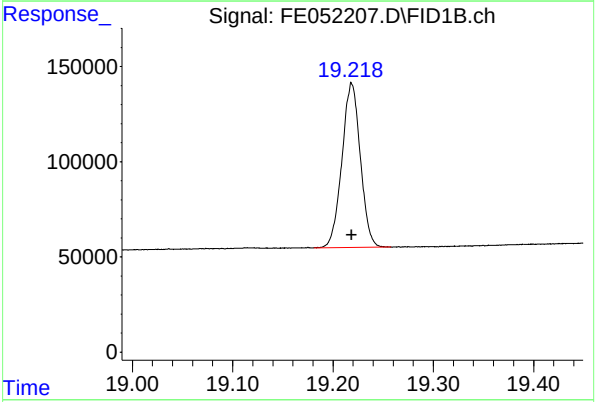
#17 n-Tricontane (C30)

R.T.: 18.388 min
Delta R.T.: 0.000 min
Response: 1152823
Conc: 10.40 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

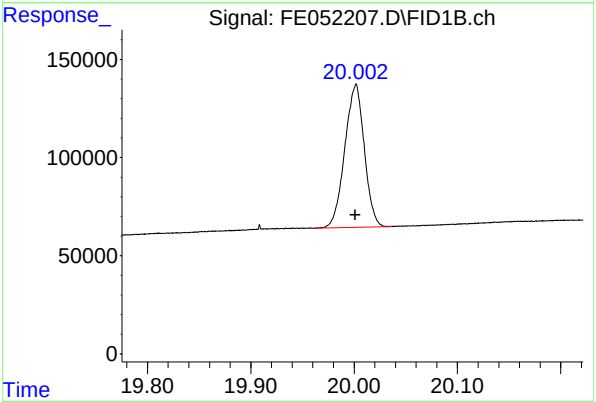
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



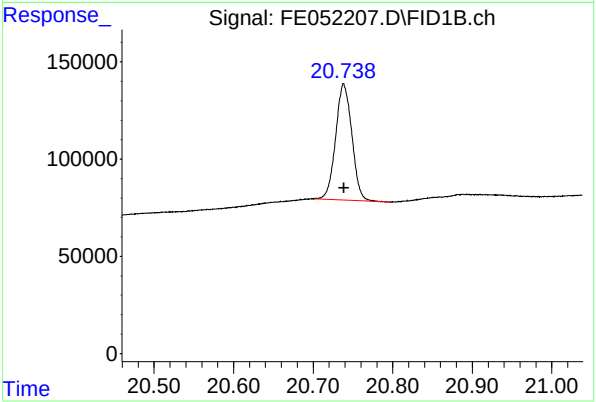
#18 n-Dotriacontane (C32)

R.T.: 19.219 min
Delta R.T.: 0.000 min
Response: 1100242
Conc: 10.43 ug/ml



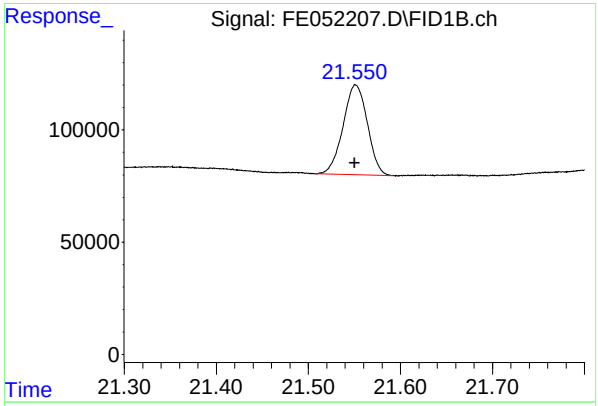
#19 n-Tetratriacontane (C34)

R.T.: 20.001 min
Delta R.T.: 0.000 min
Response: 951382
Conc: 10.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.739 min
Delta R.T.: 0.000 min
Response: 843309
Conc: 10.52 ug/ml



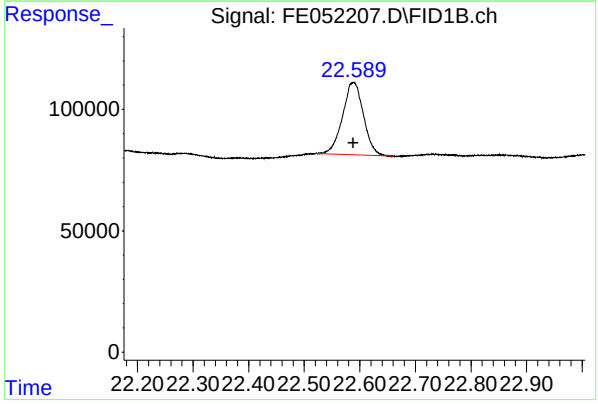
#21 n-Octatriacontane (C38)

R.T.: 21.550 min
Delta R.T.: 0.000 mi
Response: 734685
Conc: 10.16 ug/m

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#22 n-Tetracontane (C40)

R.T.: 22.588 min
Delta R.T.: 0.000 min
Response: 776821
Conc: 10.66 ug/ml

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02032
Data File : FE052207.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 13:54
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.729	3.701	3.781	BB	102539	938941	75.83%	4.115%
2	4.960	4.931	5.021	BB	105060	962570	77.74%	4.218%
3	6.666	6.631	6.728	BB	114200	1068394	86.28%	4.682%
4	7.096	7.065	7.155	BB	106323	989497	79.91%	4.336%
5	7.749	7.708	7.815	BB	108162	1037240	83.77%	4.546%
6	8.908	8.875	8.968	BB	101688	1004411	81.12%	4.402%
7	10.505	10.458	10.568	BB	106706	1082834	87.45%	4.746%
8	11.940	11.895	11.998	BB	104135	1134536	91.63%	4.972%
9	12.277	12.241	12.325	BB	122818	1238230	100.00%	5.427%
10	13.245	13.208	13.288	BB	102989	1128534	91.14%	4.946%
11	13.692	13.651	13.745	BB	87452	986944	79.71%	4.325%
12	13.855	13.815	13.915	BB	97614	1126899	91.01%	4.939%
13	14.439	14.401	14.501	BB	98922	1133675	91.56%	4.968%
14	15.538	15.501	15.588	BB	97159	1151247	92.98%	5.045%
15	16.556	16.501	16.611	BB	95579	1152330	93.06%	5.050%
16	17.503	17.445	17.551	BB	94887	1139904	92.06%	4.996%
17	18.388	18.341	18.441	BB	90217	1152823	93.10%	5.052%
18	19.219	19.181	19.258	BB	85940	1100242	88.86%	4.822%
19	20.001	19.961	20.036	BV	72283	951382	76.83%	4.169%
20	20.739	20.701	20.798	BV	59613	843309	68.11%	3.696%
21	21.551	21.501	21.620	BBA	39826	717207	57.92%	3.143%
22	22.588	22.521	22.660	BBA	29812	776821	62.74%	3.404%
			Sum of corrected areas:			22817966		

Aliphatic EPH 020325.M Mon Feb 03 23:16:24 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052208.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Feb 03 15:16:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 15:15:58 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)	12.275	675166	5.455 ug/ml
Spiked Amount	50.000	Recovery =	10.91%	
12)	S 1-chlorooctadecane (S...	13.692	537706	5.448 ug/ml
Spiked Amount	50.000	Recovery =	10.90%	
	Target Compounds			
1)	T n-Nonane (C9)	3.725	509805	5.458 ug/ml
2)	T n-Decane (C10)	4.956	522835	5.444 ug/ml
3)	T A~Naphthalene (C11.7)	6.662	577816	5.407 ug/ml
4)	T n-Dodecane (C12)	7.092	538293	5.431 ug/ml
5)	T A~2-methylnaphthalene...	7.746	560813	5.355 ug/ml
6)	T n-Tetradecane (C14)	8.904	541104	5.362 ug/ml
7)	T n-Hexadecane (C16)	10.502	587427	5.413 ug/ml
8)	T n-Octadecane (C18)	11.939	621188	5.468 ug/ml
10)	T n-Eicosane (C20)	13.244	619216	5.487 ug/ml
11)	T n-Heneicosane (C21)	13.854	616867	5.478 ug/ml
13)	T n-Docosane (C22)	14.439	618861	5.467 ug/ml
14)	T n-Tetracosane (C24)	15.538	628281	5.464 ug/ml
15)	T n-Hexacosane (C26)	16.555	625490	5.454 ug/ml
16)	T n-Octacosane (C28)	17.503	619953	5.479 ug/ml
17)	T n-Tricontane (C30)	18.388	631538	5.542 ug/ml
18)	T n-Dotriacontane (C32)	19.218	616160	5.652 ug/ml
19)	T n-Tetratriacontane (C34)	20.000	534446	5.633 ug/ml
20)	T n-Hexatriacontane (C36)	20.738	462202	5.594 ug/ml
21)	T n-Octatriacontane (C38)	21.549	411671	5.541 ug/ml
22)	T n-Tetracontane (C40)	22.584	406021	5.446 ug/ml

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

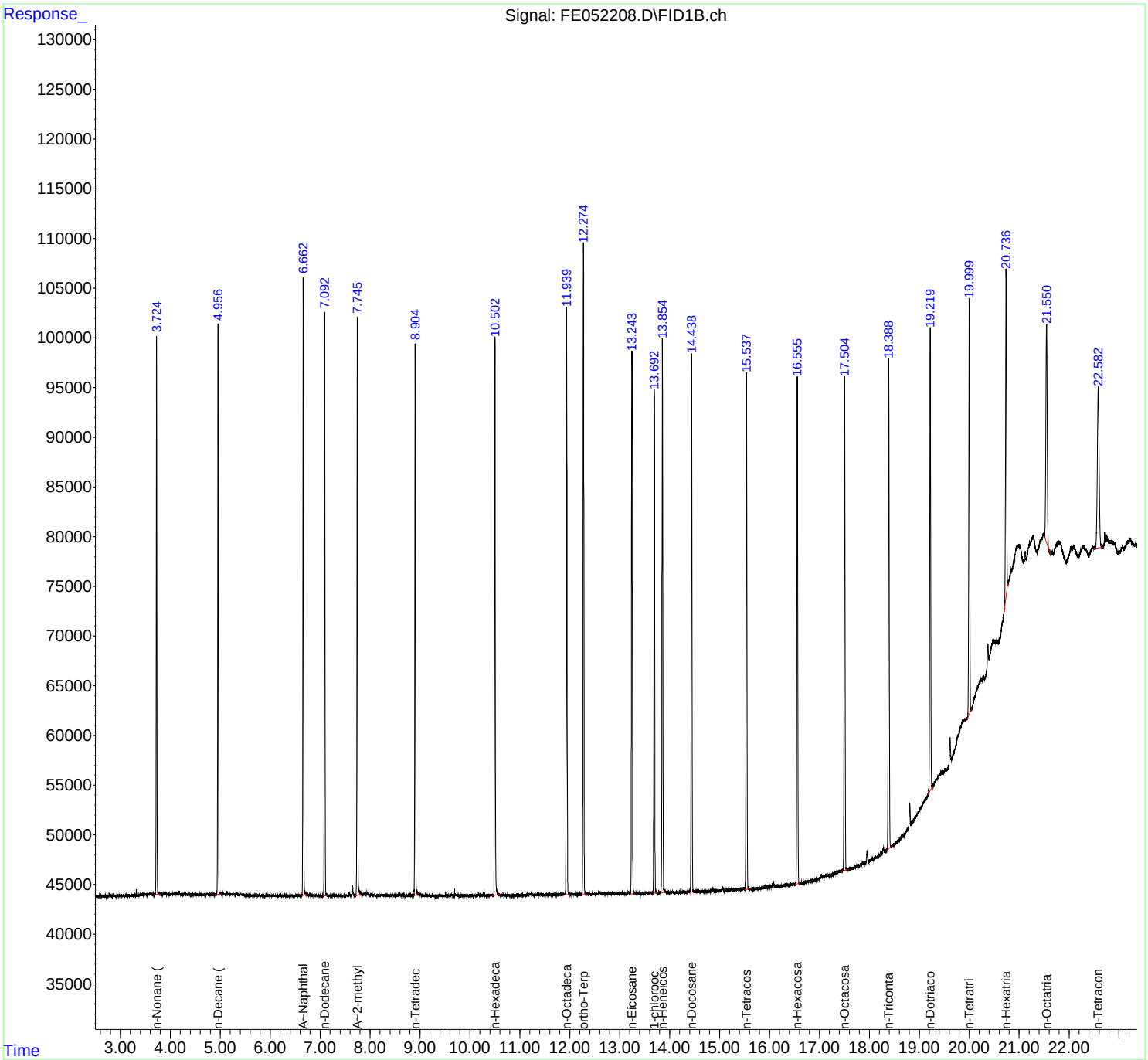
Quantitation Report (QT Reviewed)

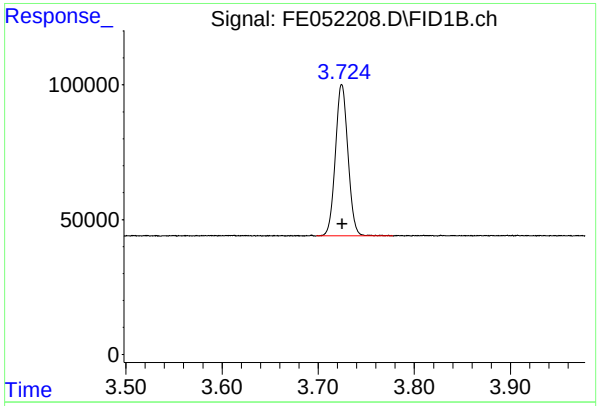
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052208.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Feb 03 15:16:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 15:15:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

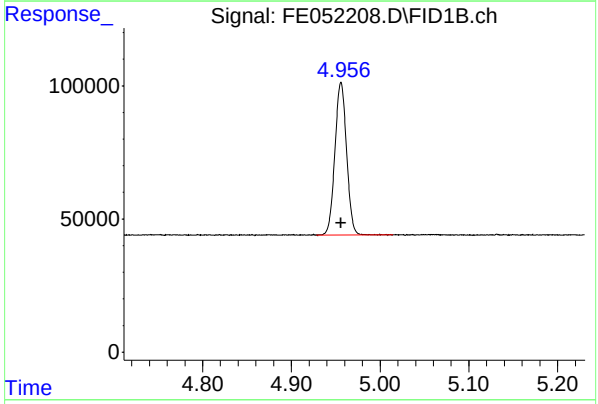




#1 n-Nonane (C9)

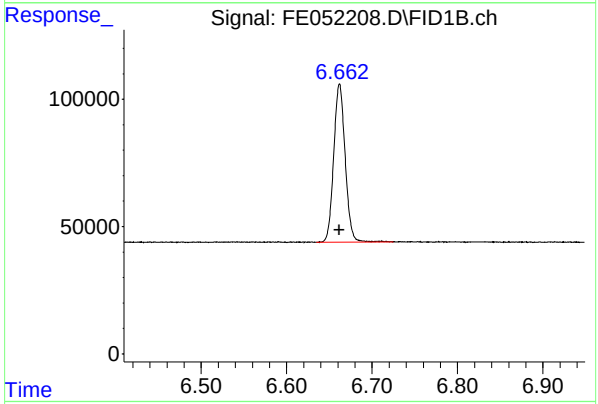
R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 509805
Conc: 5.46 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



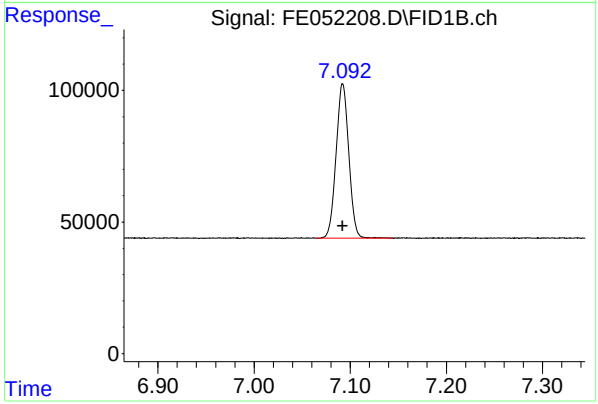
#2 n-Decane (C10)

R.T.: 4.956 min
Delta R.T.: 0.000 min
Response: 522835
Conc: 5.44 ug/ml



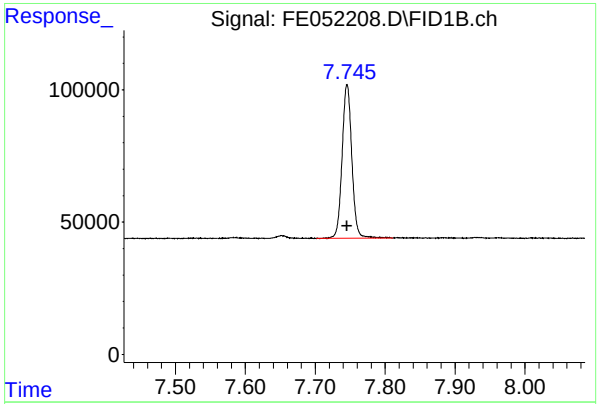
#3 A~Naphthalene (C11.7)

R.T.: 6.662 min
Delta R.T.: 0.000 min
Response: 577816
Conc: 5.41 ug/ml



#4 n-Dodecane (C12)

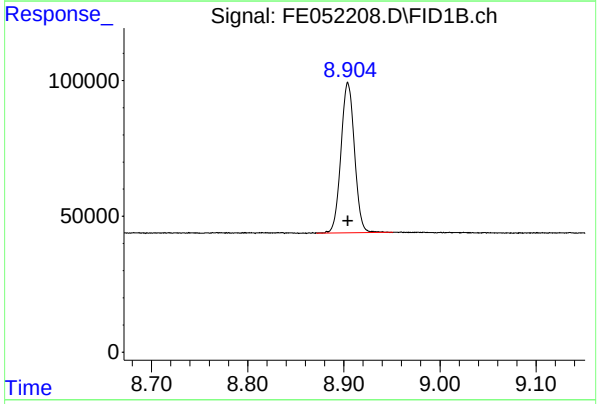
R.T.: 7.092 min
Delta R.T.: 0.000 min
Response: 538293
Conc: 5.43 ug/ml



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

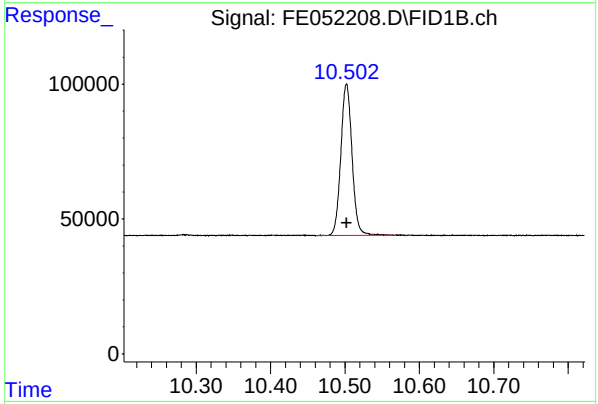
R.T.: 7.746 min
Delta R.T.: 0.000 min
Response: 560813
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



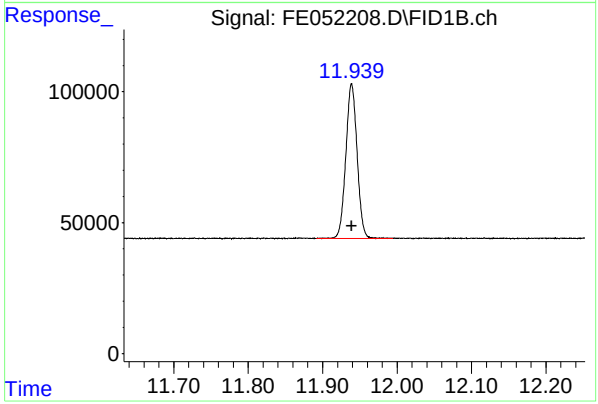
#6 n-Tetradecane (C14)

R.T.: 8.904 min
Delta R.T.: 0.000 min
Response: 541104
Conc: 5.36 ug/ml



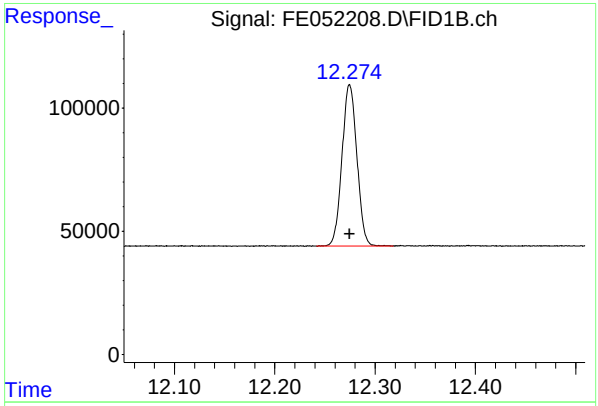
#7 n-Hexadecane (C16)

R.T.: 10.502 min
Delta R.T.: 0.000 min
Response: 587427
Conc: 5.41 ug/ml



#8 n-Octadecane (C18)

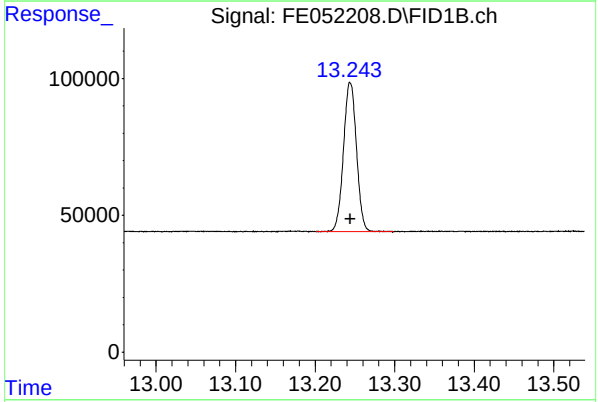
R.T.: 11.939 min
Delta R.T.: 0.000 min
Response: 621188
Conc: 5.47 ug/ml



#9 ortho-Terphenyl (SURR)

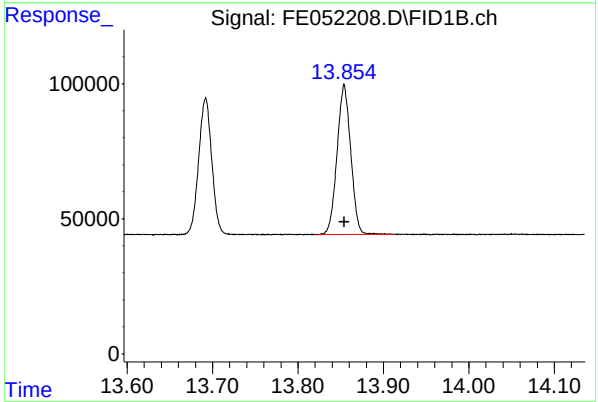
R.T.: 12.275 min
Delta R.T.: 0.000 min
Response: 675166
Conc: 5.46 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



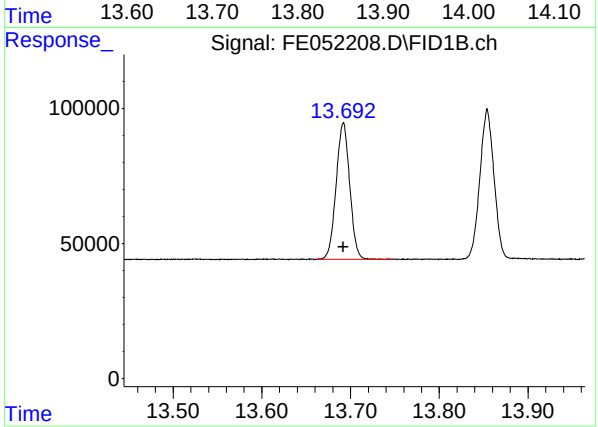
#10 n-Eicosane (C20)

R.T.: 13.244 min
Delta R.T.: 0.000 min
Response: 619216
Conc: 5.49 ug/ml



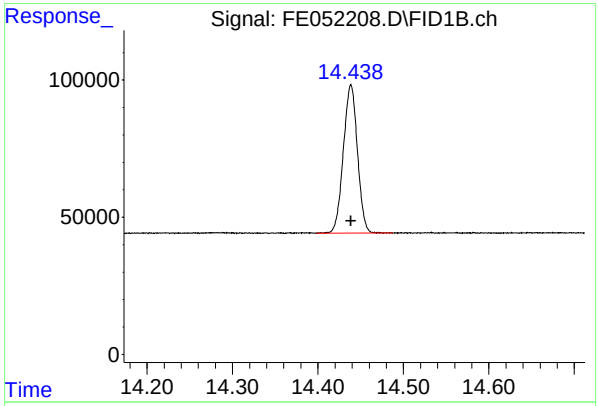
#11 n-Heneicosane (C21)

R.T.: 13.854 min
Delta R.T.: 0.000 min
Response: 616867
Conc: 5.48 ug/ml



#12 1-chlorooctadecane (SURR)

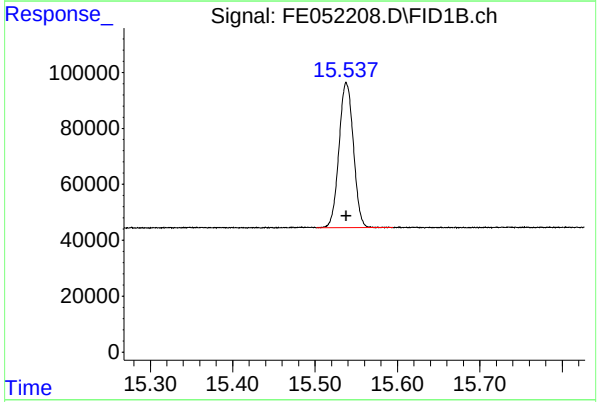
R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 537706
Conc: 5.45 ug/ml



#13 n-Docosane (C22)

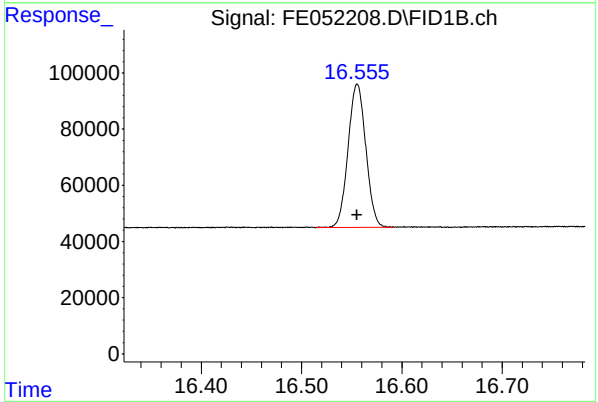
R.T.: 14.439 min
Delta R.T.: 0.000 min
Response: 618861
Conc: 5.47 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



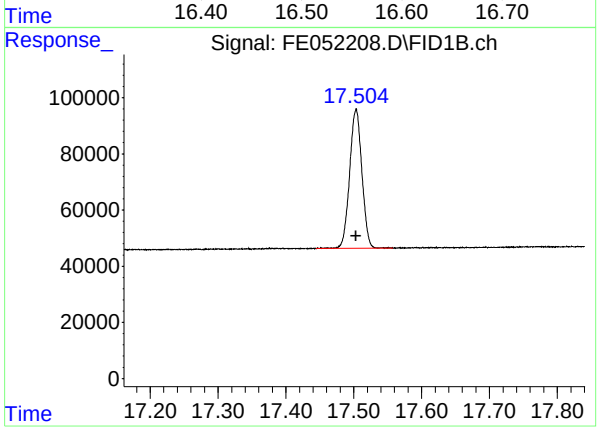
#14 n-Tetracosane (C24)

R.T.: 15.538 min
Delta R.T.: 0.000 min
Response: 628281
Conc: 5.46 ug/ml



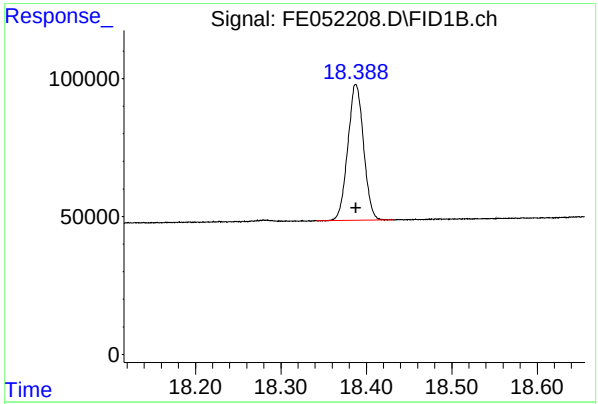
#15 n-Hexacosane (C26)

R.T.: 16.555 min
Delta R.T.: 0.000 min
Response: 625490
Conc: 5.45 ug/ml



#16 n-Octacosane (C28)

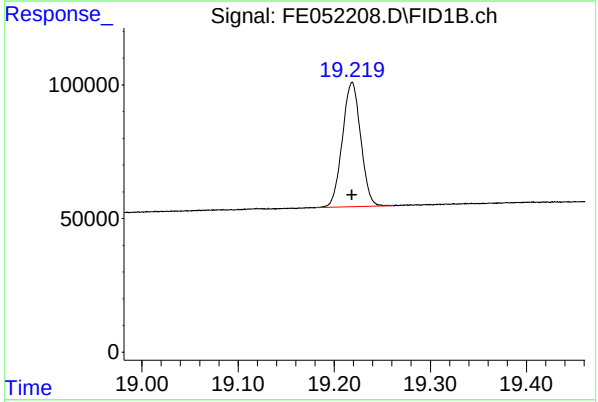
R.T.: 17.503 min
Delta R.T.: 0.000 min
Response: 619953
Conc: 5.48 ug/ml



#17 n-Tricontane (C30)

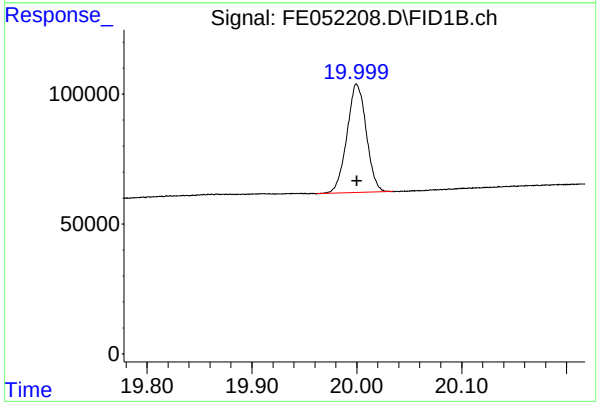
R.T.: 18.388 min
Delta R.T.: 0.000 min
Response: 631538
Conc: 5.54 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



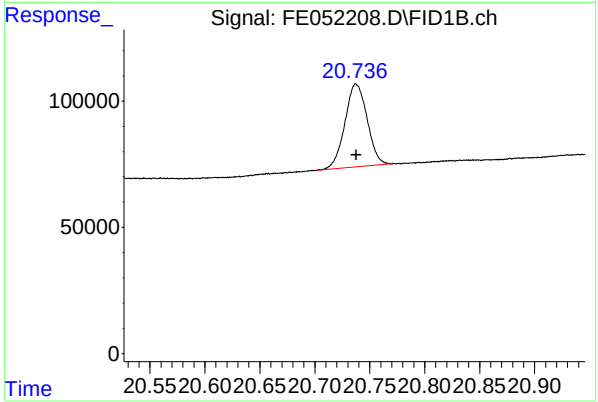
#18 n-Dotriacontane (C32)

R.T.: 19.218 min
Delta R.T.: 0.000 min
Response: 616160
Conc: 5.65 ug/ml



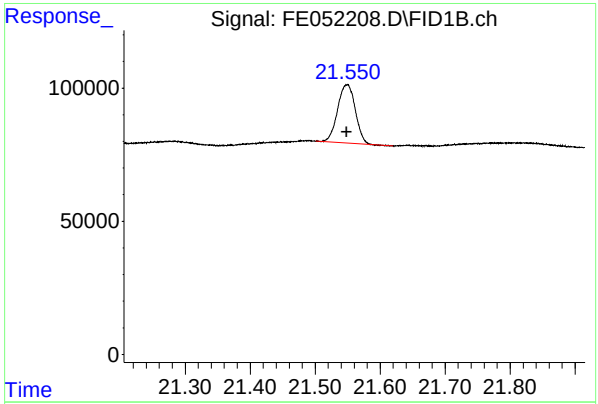
#19 n-Tetratriacontane (C34)

R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 534446
Conc: 5.63 ug/ml



#20 n-Hexatriacontane (C36)

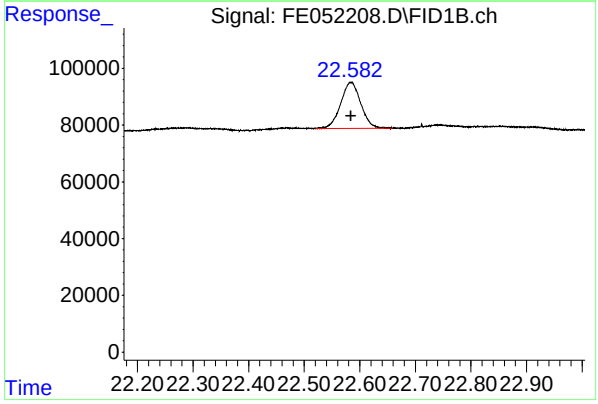
R.T.: 20.738 min
Delta R.T.: 0.000 min
Response: 462202
Conc: 5.59 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.549 min
Delta R.T.: 0.000 mi
Response: 411671
Conc: 5.54 ug/m

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.584 min
Delta R.T.: 0.000 min
Response: 406021
Conc: 5.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052208.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 14:54
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.725	3.698	3.778	BB	56186	509805	75.51%	4.091%
2	4.956	4.928	5.015	BB	56941	522835	77.44%	4.195%
3	6.662	6.635	6.725	BB	61792	577816	85.58%	4.636%
4	7.092	7.065	7.145	BB	58535	538293	79.73%	4.319%
5	7.746	7.701	7.811	BB	58018	560813	83.06%	4.500%
6	8.904	8.871	8.951	BB	55051	541104	80.14%	4.342%
7	10.502	10.461	10.565	BB	56012	587427	87.00%	4.713%
8	11.939	11.891	11.995	BB	58868	621188	92.01%	4.984%
9	12.275	12.241	12.318	BB	65473	675166	100.00%	5.417%
10	13.244	13.201	13.298	BB	54562	619216	91.71%	4.968%
11	13.692	13.661	13.748	BB	50221	537706	79.64%	4.314%
12	13.854	13.821	13.911	BB	55015	616867	91.37%	4.950%
13	14.439	14.398	14.488	BB	53888	618861	91.66%	4.966%
14	15.538	15.501	15.595	BB	51765	628281	93.06%	5.041%
15	16.555	16.515	16.591	BB	50830	625490	92.64%	5.019%
16	17.503	17.445	17.558	BB	49581	619953	91.82%	4.974%
17	18.388	18.341	18.431	BB	49257	631538	93.54%	5.067%
18	19.218	19.181	19.261	BB	46329	616160	91.26%	4.944%
19	20.000	19.961	20.035	BB	41139	534446	79.16%	4.288%
20	20.738	20.701	20.771	BV	32757	462202	68.46%	3.709%
21	21.549	21.501	21.620	BBA	21933	411671	60.97%	3.303%
22	22.584	22.521	22.660	BBA	16211	406021	60.14%	3.258%
			Sum of corrected areas:			12462858		

Aliphatic EPH 020325.M Mon Feb 03 23:16:40 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052209.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Feb 03 15:56:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 15:16:54 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)	12.275	2478295	20.023 ug/ml
Spiked Amount	50.000		Recovery =	40.05%
12)	S 1-chlorooctadecane (S...	13.692	1974452	20.006 ug/ml
Spiked Amount	50.000		Recovery =	40.01%
	Target Compounds			
1)	T n-Nonane (C9)	3.724	1853639	19.845 ug/ml
2)	T n-Decane (C10)	4.956	1906387	19.852 ug/ml
3)	T A~Naphthalene (C11.7)	6.661	2131194	19.942 ug/ml
4)	T n-Dodecane (C12)	7.092	1974107	19.917 ug/ml
5)	T A~2-methylnaphthalene...	7.745	2093692	19.991 ug/ml
6)	T n-Tetradecane (C14)	8.905	2025590	20.073 ug/ml
7)	T n-Hexadecane (C16)	10.502	2177931	20.070 ug/ml
8)	T n-Octadecane (C18)	11.939	2272916	20.008 ug/ml
10)	T n-Eicosane (C20)	13.244	2257366	20.003 ug/ml
11)	T n-Heneicosane (C21)	13.854	2250622	19.985 ug/ml
13)	T n-Docosane (C22)	14.439	2262979	19.993 ug/ml
14)	T n-Tetracosane (C24)	15.537	2294707	19.958 ug/ml
15)	T n-Hexacosane (C26)	16.556	2282984	19.907 ug/ml
16)	T n-Octacosane (C28)	17.504	2244040	19.833 ug/ml
17)	T n-Tricontane (C30)	18.387	2249645	19.743 ug/ml
18)	T n-Dotriacontane (C32)	19.218	2140554	19.633 ug/ml
19)	T n-Tetratriacontane (C34)	20.000	1869168	19.702 ug/ml
20)	T n-Hexatriacontane (C36)	20.738	1609147	19.475 ug/ml
21)	T n-Octatriacontane (C38)	21.548	1471524	19.808 ug/ml
22)	T n-Tetracontane (C40)	22.583	1437571	19.282 ug/ml

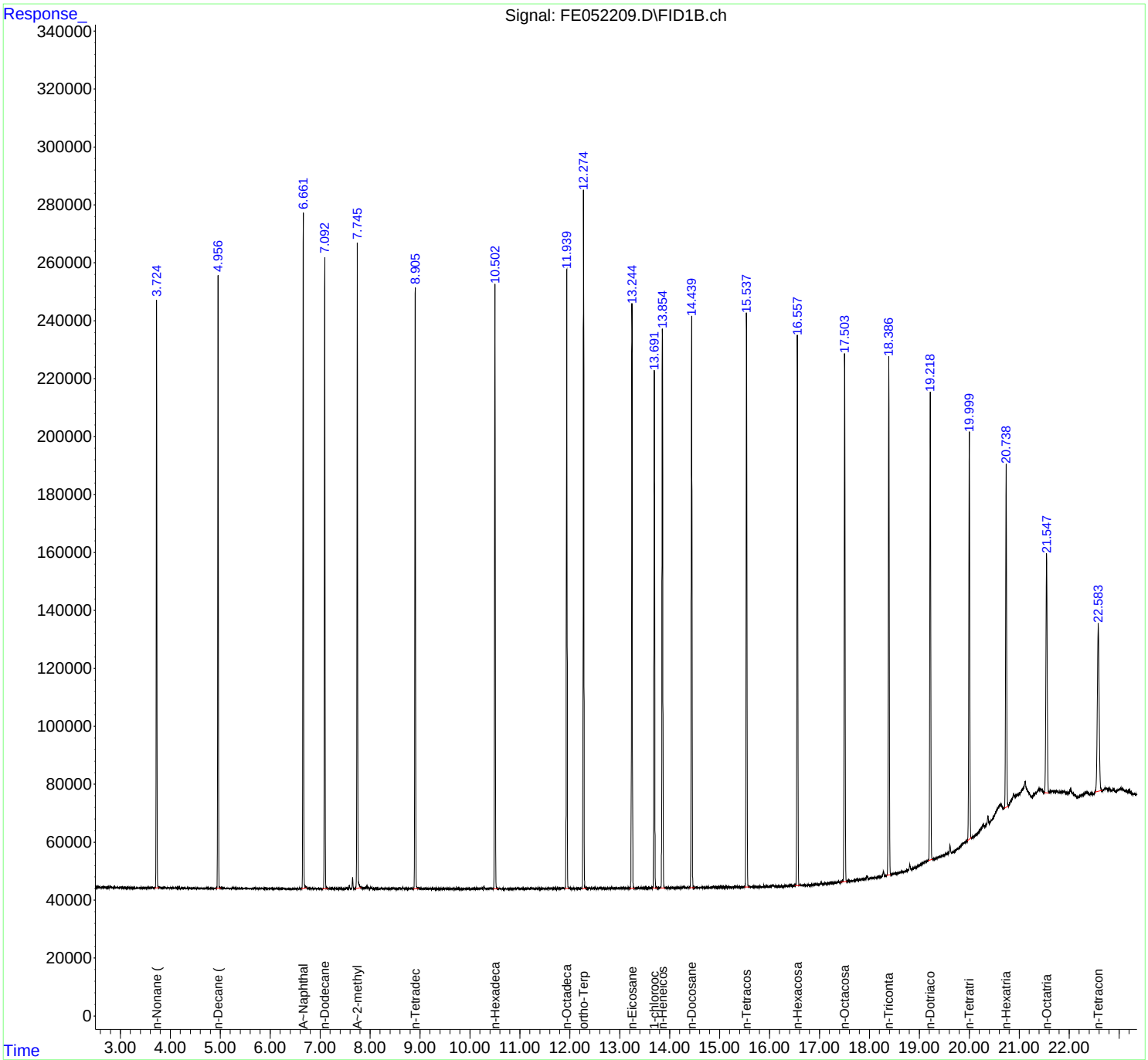
(f)=RT Delta > 1/2 Window (m)=manual int.

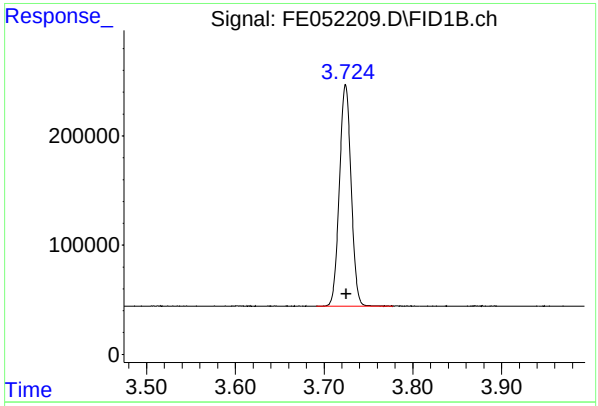
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052209.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Feb 03 15:56:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Mon Feb 03 15:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

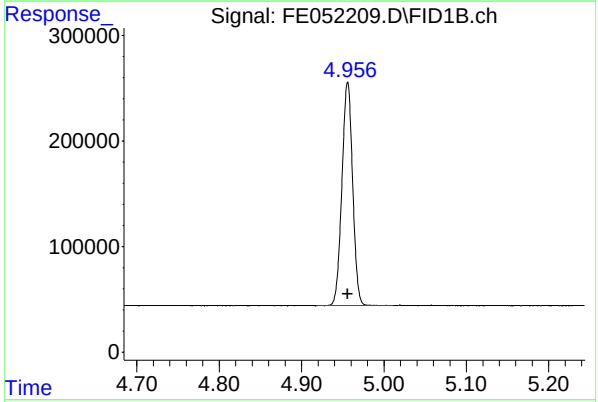




#1 n-Nonane (C9)

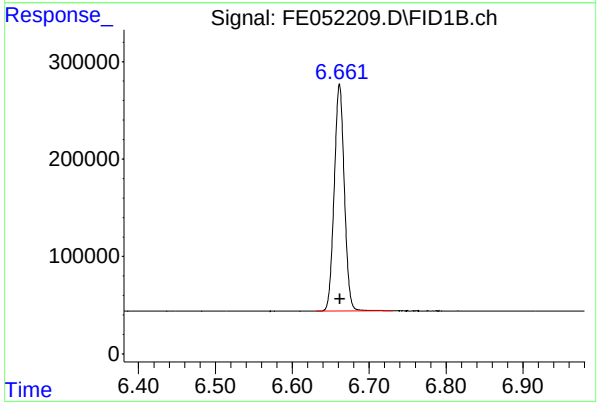
R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1853639
Conc: 19.85 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



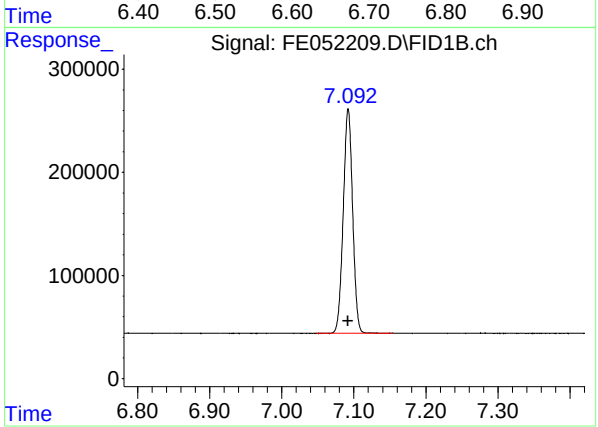
#2 n-Decane (C10)

R.T.: 4.956 min
Delta R.T.: 0.000 min
Response: 1906387
Conc: 19.85 ug/ml



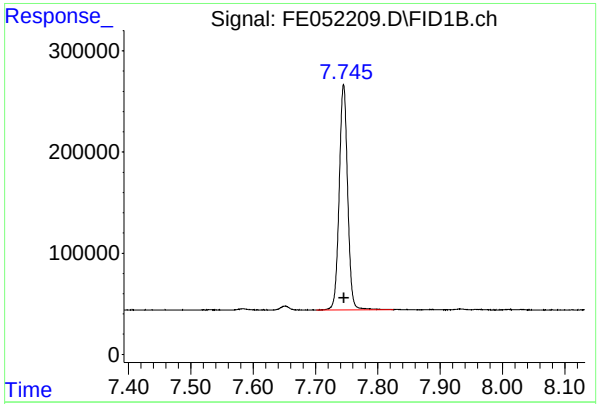
#3 A~Naphthalene (C11.7)

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 2131194
Conc: 19.94 ug/ml



#4 n-Dodecane (C12)

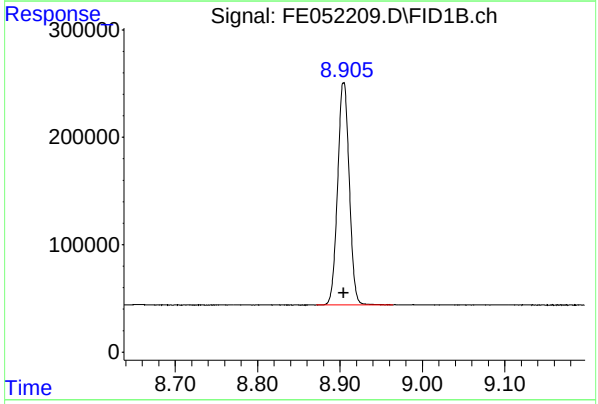
R.T.: 7.092 min
Delta R.T.: 0.000 min
Response: 1974107
Conc: 19.92 ug/ml



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

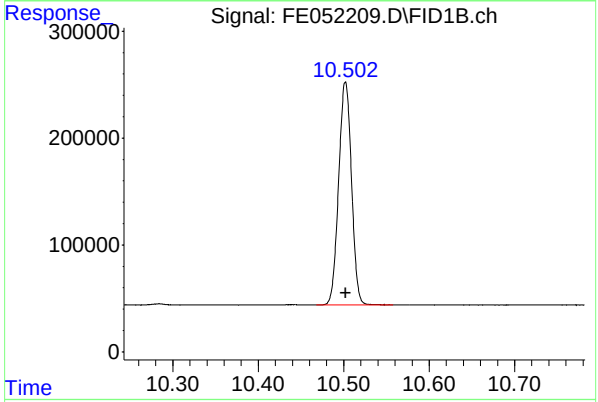
R.T.: 7.745 min
Delta R.T.: 0.000 min
Response: 2093692
Conc: 19.99 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



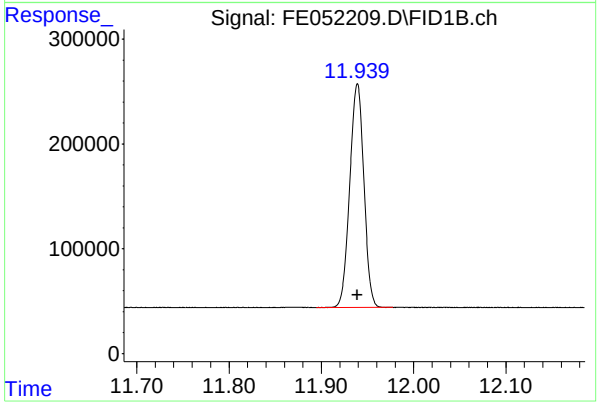
#6 n-Tetradecane (C14)

R.T.: 8.905 min
Delta R.T.: 0.000 min
Response: 2025590
Conc: 20.07 ug/ml



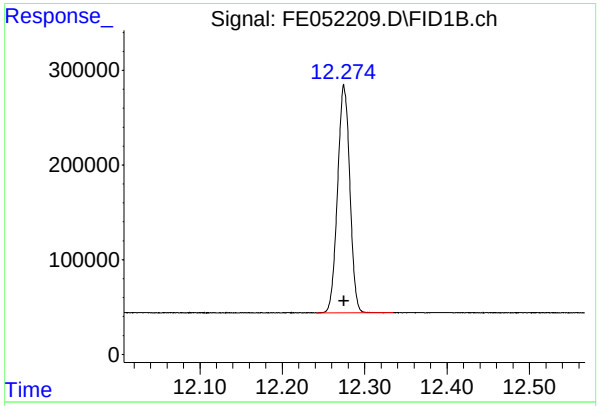
#7 n-Hexadecane (C16)

R.T.: 10.502 min
Delta R.T.: 0.000 min
Response: 2177931
Conc: 20.07 ug/ml



#8 n-Octadecane (C18)

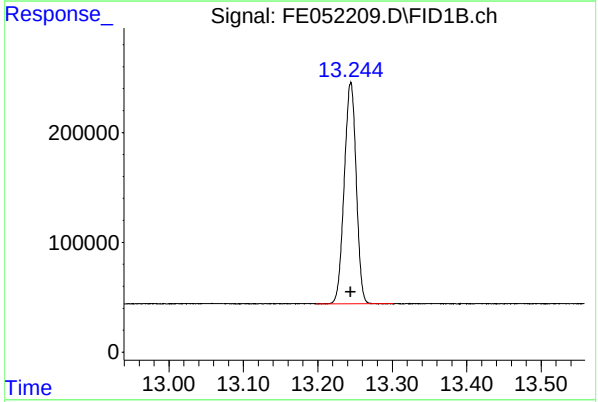
R.T.: 11.939 min
Delta R.T.: 0.000 min
Response: 2272916
Conc: 20.01 ug/ml



#9 ortho-Terphenyl (SURR)

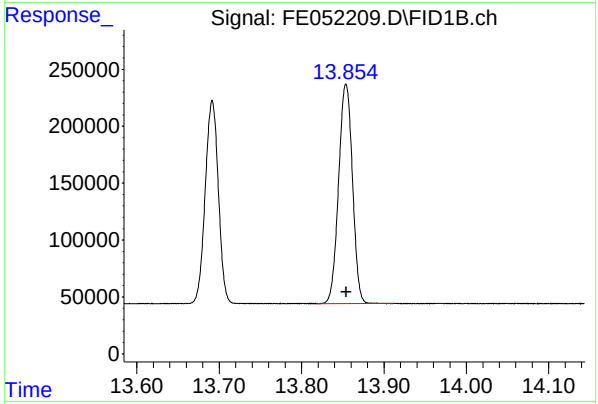
R.T.: 12.275 min
Delta R.T.: 0.000 min
Response: 2478295
Conc: 20.02 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



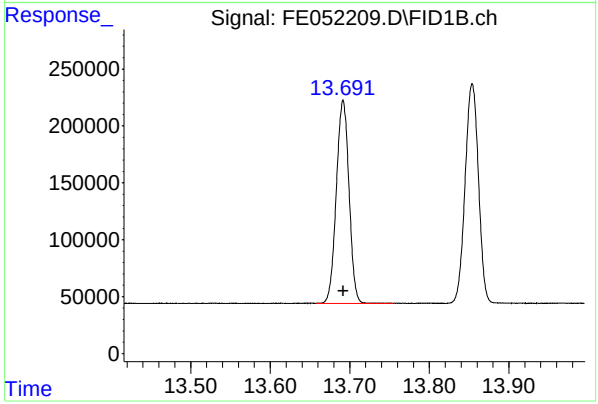
#10 n-Eicosane (C20)

R.T.: 13.244 min
Delta R.T.: 0.000 min
Response: 2257366
Conc: 20.00 ug/ml



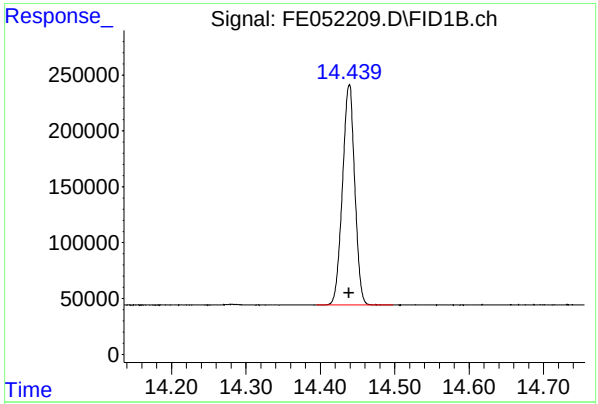
#11 n-Heneicosane (C21)

R.T.: 13.854 min
Delta R.T.: 0.000 min
Response: 2250622
Conc: 19.99 ug/ml



#12 1-chlorooctadecane (SURR)

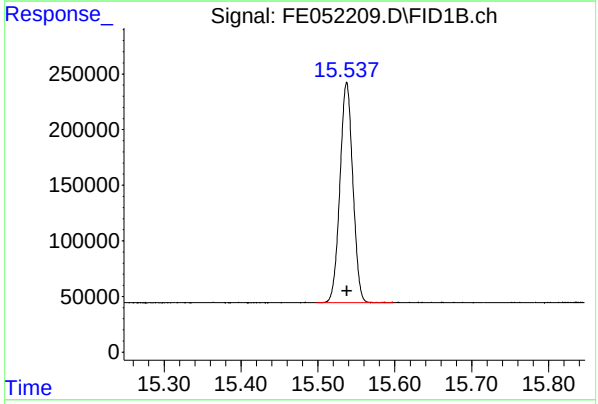
R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 1974452
Conc: 20.01 ug/ml



#13 n-Docosane (C22)

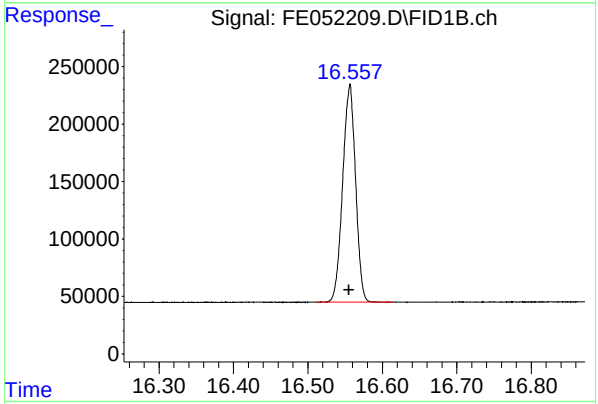
R.T.: 14.439 min
Delta R.T.: 0.000 min
Response: 2262979
Conc: 19.99 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



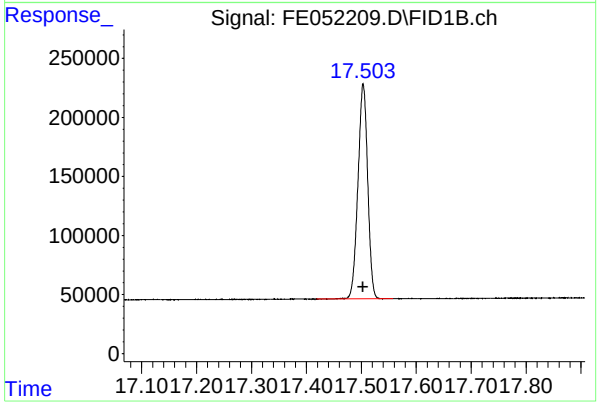
#14 n-Tetracosane (C24)

R.T.: 15.537 min
Delta R.T.: 0.000 min
Response: 2294707
Conc: 19.96 ug/ml



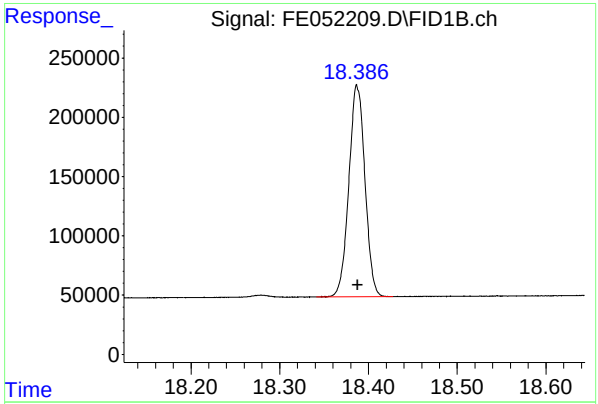
#15 n-Hexacosane (C26)

R.T.: 16.556 min
Delta R.T.: 0.000 min
Response: 2282984
Conc: 19.91 ug/ml



#16 n-Octacosane (C28)

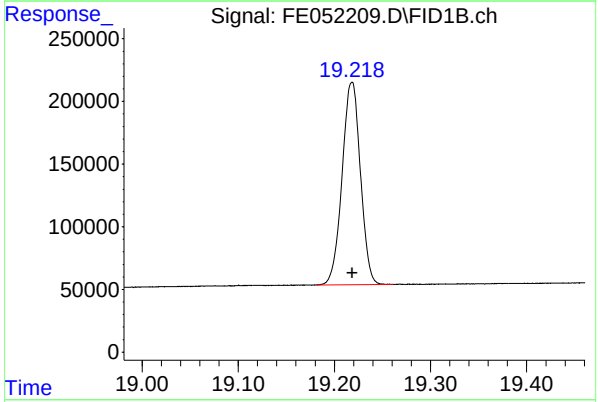
R.T.: 17.504 min
Delta R.T.: 0.000 min
Response: 2244040
Conc: 19.83 ug/ml



#17 n-Tricontane (C30)

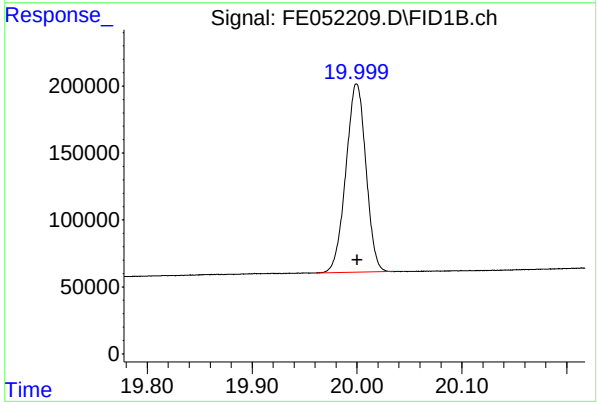
R.T.: 18.387 min
Delta R.T.: 0.000 min
Response: 2249645
Conc: 19.74 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



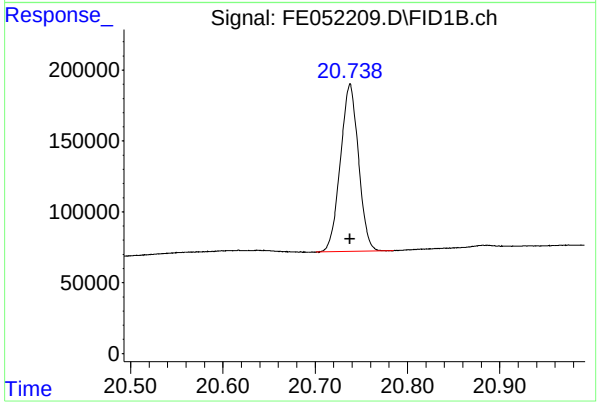
#18 n-Dotriacontane (C32)

R.T.: 19.218 min
Delta R.T.: 0.000 min
Response: 2140554
Conc: 19.63 ug/ml



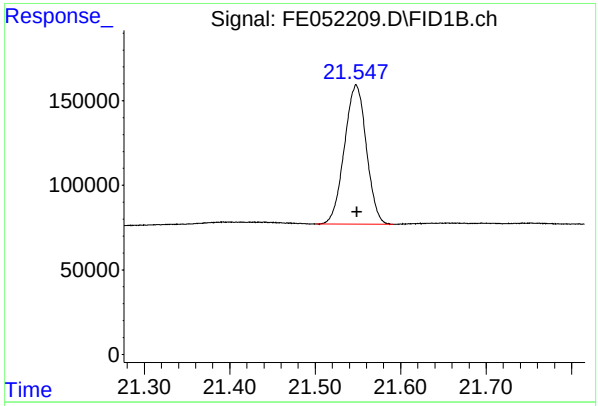
#19 n-Tetratriacontane (C34)

R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 1869168
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

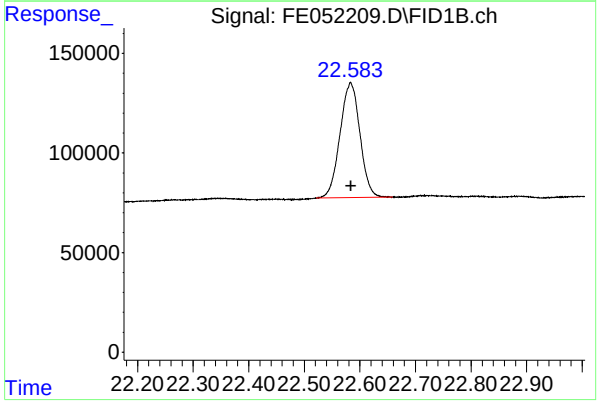
R.T.: 20.738 min
Delta R.T.: 0.000 min
Response: 1609147
Conc: 19.47 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.548 min
Delta R.T.: 0.000 min
Response: 1471524
Conc: 19.81 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.583 min
Delta R.T.: 0.000 min
Response: 1437571
Conc: 19.28 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020325AL\
Data File : FE052209.D
Signal(s) : FID1B.ch
Acq On : 03 Feb 2025 15:24
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.724	3.691	3.778	BB	202865	1853639	74.79%	4.096%
2	4.956	4.918	5.011	BB	209474	1906387	76.92%	4.212%
3	6.661	6.631	6.731	BB	232058	2131194	85.99%	4.709%
4	7.092	7.048	7.154	BB	216071	1974107	79.66%	4.362%
5	7.745	7.701	7.824	BB	221895	2093692	84.48%	4.626%
6	8.905	8.871	8.964	BB	208172	2025590	81.73%	4.476%
7	10.502	10.468	10.558	BB	209003	2177931	87.88%	4.812%
8	11.939	11.894	11.978	BB	212699	2272916	91.71%	5.022%
9	12.275	12.241	12.334	BB	239490	2478295	100.00%	5.476%
10	13.244	13.198	13.301	BB	201982	2257366	91.09%	4.988%
11	13.692	13.658	13.754	BB	177789	1974452	79.67%	4.363%
12	13.854	13.818	13.911	BB	192886	2250622	90.81%	4.973%
13	14.439	14.394	14.498	BB	196729	2262979	91.31%	5.000%
14	15.537	15.498	15.598	BB	197642	2294707	92.59%	5.070%
15	16.556	16.511	16.614	BB	189833	2282984	92.12%	5.044%
16	17.504	17.418	17.558	BB	181601	2244040	90.55%	4.958%
17	18.387	18.341	18.428	BB	177351	2249645	90.77%	4.971%
18	19.218	19.181	19.261	BB	161820	2140554	86.37%	4.730%
19	20.000	19.961	20.034	BB	140784	1869168	75.42%	4.130%
20	20.738	20.701	20.784	BV	117968	1609147	64.93%	3.555%
21	21.548	21.501	21.591	BV	82281	1471524	59.38%	3.251%
22	22.583	22.521	22.659	BBA	57693	1437571	58.01%	3.176%
			Sum of corrected areas:			45258510		

Aliphatic EPH 020325.M Mon Feb 03 23:16:57 2025

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

Inital Calibration Report for SequenceID : FF020525AR

AreaCount

Parameter Range	FF015474.D	FF015475.D	FF015476.D	FF015477.D	FF015478.D	
Aromatic C10-C12	26438099.000	13372978.000	5358843.000	2891507.000	1461452.000	
Aromatic C12-C16	38565833.000	19481064.000	7784765.000	4212609.000	2133470.000	
Aromatic C16-C21	47478043.000	24060652.000	9568624.000	5150820.000	2572521.000	
Aromatic C21-C36	101116001.000	51241489.000	20661139.000	11147178.000	5580864.000	
Aromatic EPH	213597976.000	108156183.000	43373371.000	23402114.000	11748307.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	138122.38	4.826				
Aromatic C12-C16	134164.8506664	4.911				
Aromatic C16-C21	123200.5435	4.1				
Aromatic C21-C36	117776.385333	4.833				
Aromatic EPH	123973.8307774	4.675				

Concentration

Parameter Range	FF015474.D	FF015475.D	FF015476.D	FF015477.D	FF015478.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	FF015474.D	FF015475.D	FF015476.D	FF015477.D	FF015478.D	
Aromatic C10-C12	132190.495000	133729.780000	133971.075000	144575.350000	146145.200000	
Aromatic C12-C16	128552.776666	129873.760000	129746.083333	140420.300000	142231.333333	
Aromatic C16-C21	118695.107500	120303.260000	119607.800000	128770.500000	128626.050000	
Aromatic C21-C36	112351.112222	113869.975555	114784.105555	123857.533333	124019.200000	
Aromatic EPH	118665.542222	120173.536666	120481.586111	130011.744444	130536.744444	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015474.D
Signal(s) : FID2B.ch
Acq On : 05 Feb 2025 23:20
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Integration File: sample.E
Quant Time: Feb 06 05:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:09:14 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...	8.002	11552495	100.000 ug/ml
	Spiked Amount 50.000		Recovery = 200.00%	
6)	S 2-Flurobiphenyl (SURR)	8.878	7670338	100.000 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 200.00%#	
11)	S ortho-Terphenyl (SURR)	11.942	12508445	100.000 ug/ml
	Spiked Amount 50.000		Recovery = 200.00%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.611	13131795	100.000 ug/ml
2)	T Naphthalene (C11.7)	6.280	13306304	100.000 ug/ml
3)	T 2-Methylnaphthalene (...	7.377	12895401	100.000 ug/ml
5)	T Acenaphthylene (C15.06)	8.679	12967828	100.000 ug/ml
7)	T Acenaphthene (C15.5)	8.979	12702604	100.000 ug/ml
8)	T Flouorene (C16.55)	9.769	12604912	100.000 ug/ml
9)	T Phenanthrene (C19.36)	11.176	11900402	100.000 ug/ml
10)	T Anthracene (C19.43)	11.253	11425870	100.000 ug/ml
12)	T Fluoranthene (C21.85)	13.000	11699094	100.000 ug/ml
13)	T Pyrene (C20.8)	13.300	11546859	100.000 ug/ml
14)	T Benzo[a]anthracene (C...	15.183	10885753	100.000 ug/ml
15)	T Chrysene (C27.41)	15.230	11008594	100.000 ug/ml
16)	T benzo[b]fluoranthene ...	16.748	11230074	100.000 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.786	11091982	100.699 ug/mlm
18)	T Benzo[a]pyrene (C31.34)	17.131	10776059	100.000 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.510	11468109	100.000 ug/ml
20)	T Dibenz[a,h]anthracene...	18.549	10892090	99.267 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.773	12064246	100.000 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015474.D
Signal(s) : FID2B.ch
Acq On : 05 Feb 2025 23:20
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

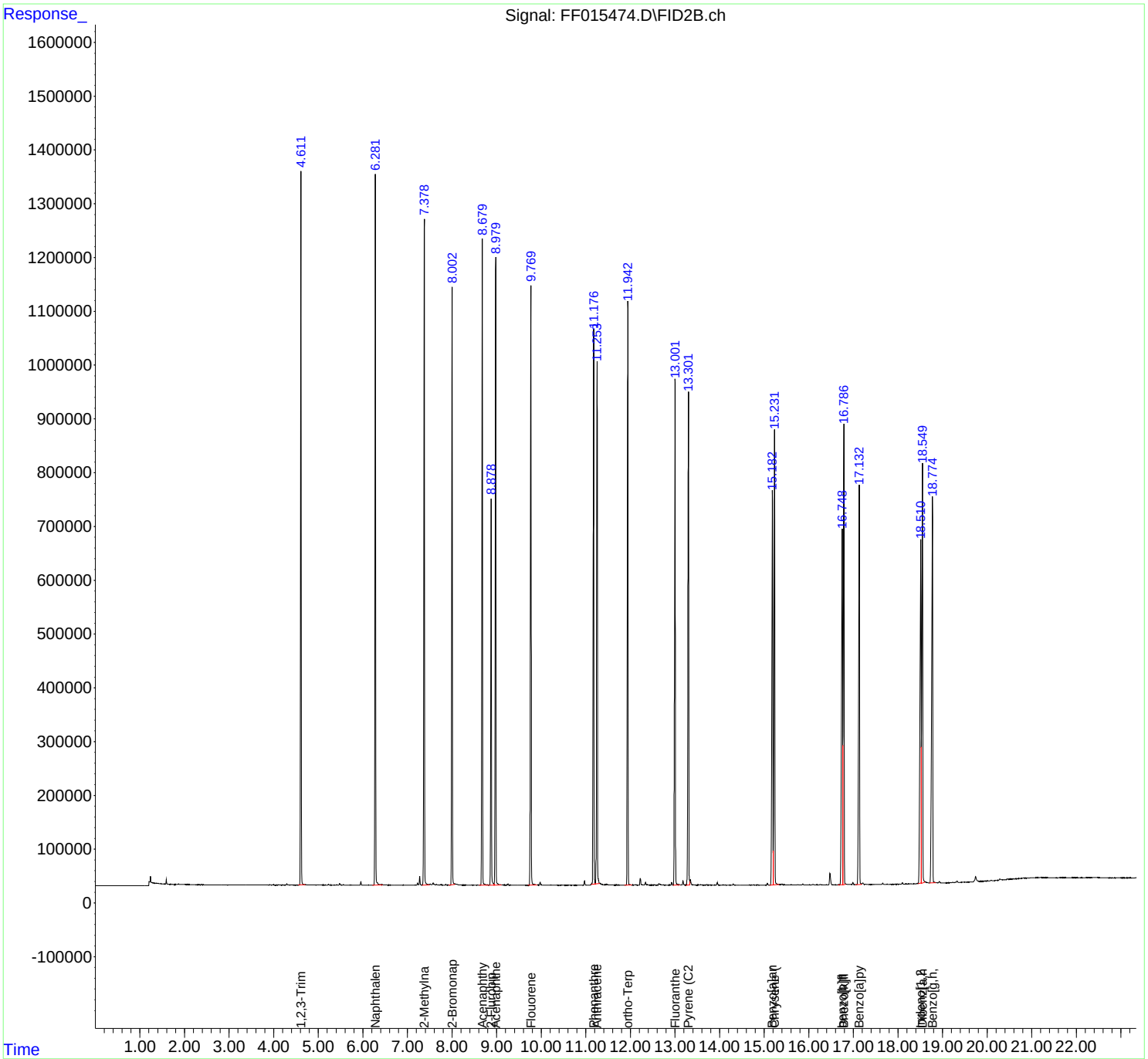
Integration File: sample.E
Quant Time: Feb 06 05:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:09:14 2025
Response via : Initial Calibration
Integrator: ChemStation

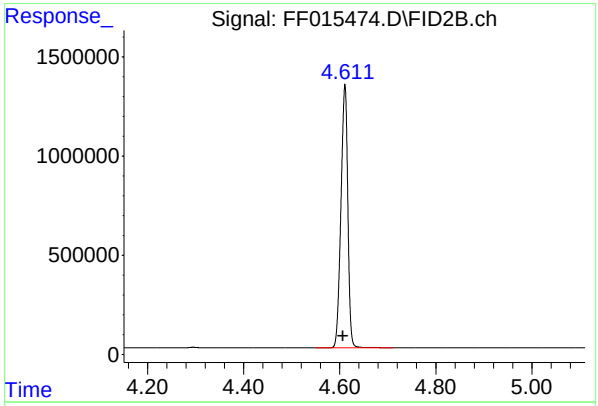
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025





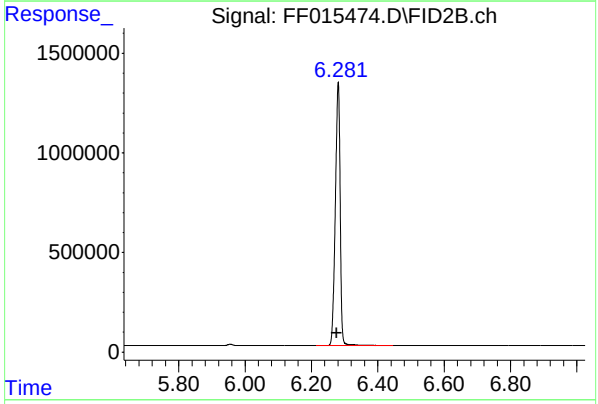
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.611 min
Delta R.T.: 0.004 min
Response: 13131795
Conc: 100.00 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

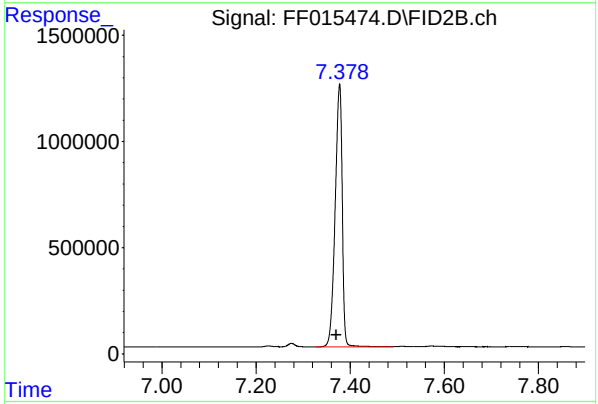
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



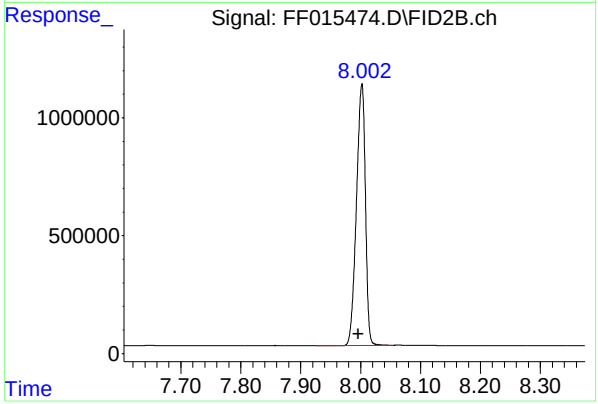
#2 Naphthalene (C11.7)

R.T.: 6.280 min
Delta R.T.: 0.005 min
Response: 13306304
Conc: 100.00 ug/ml



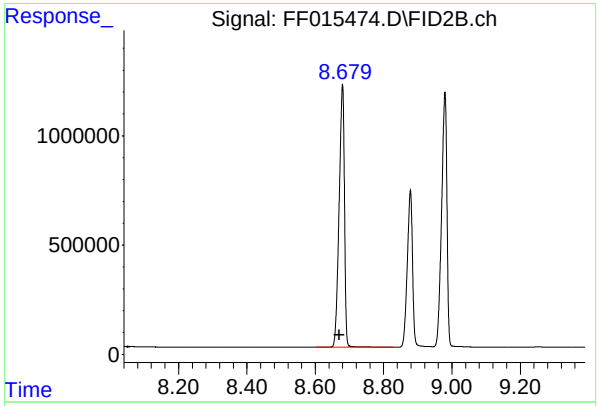
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: 0.007 min
Response: 12895401
Conc: 100.00 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.002 min
Delta R.T.: 0.005 min
Response: 11552495
Conc: 100.00 ug/ml



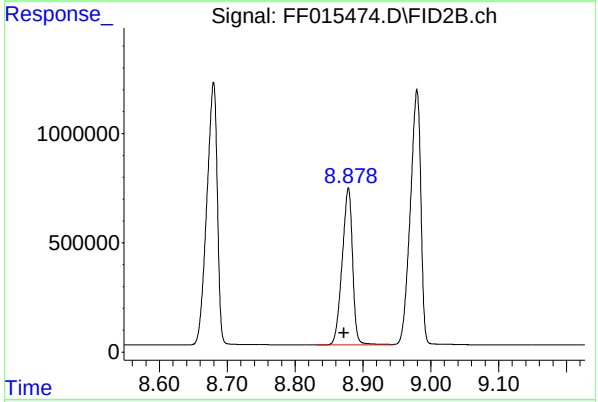
#5 Acenaphthylene (C15.06)

R.T.: 8.679 min
Delta R.T.: 0.008 min
Response: 12967828
Conc: 100.00 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

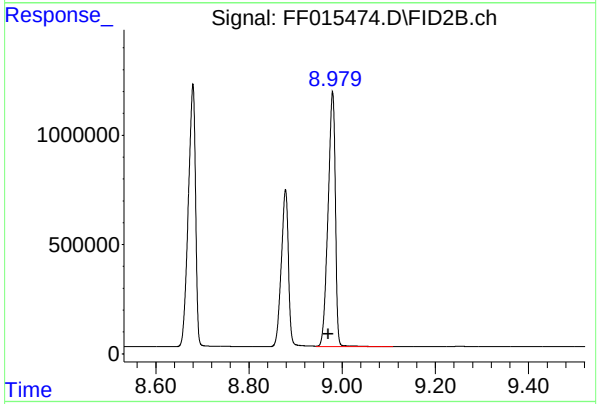
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



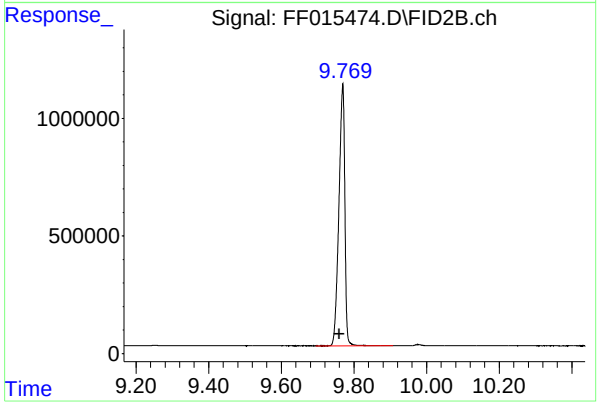
#6 2-Flurobiphenyl (SURR)

R.T.: 8.878 min
Delta R.T.: 0.006 min
Response: 7670338
Conc: 100.00 ug/ml



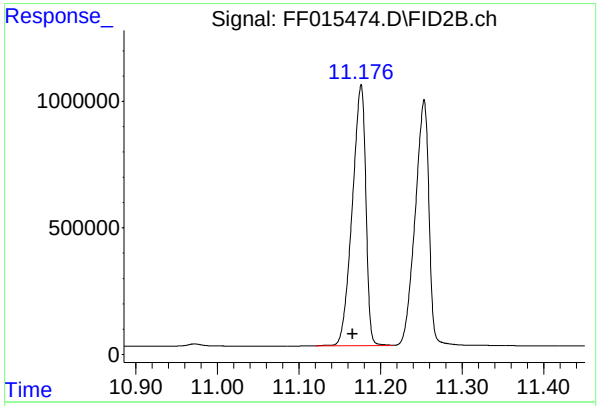
#7 Acenaphthene (C15.5)

R.T.: 8.979 min
Delta R.T.: 0.009 min
Response: 12702604
Conc: 100.00 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.769 min
Delta R.T.: 0.009 min
Response: 12604912
Conc: 100.00 ug/ml



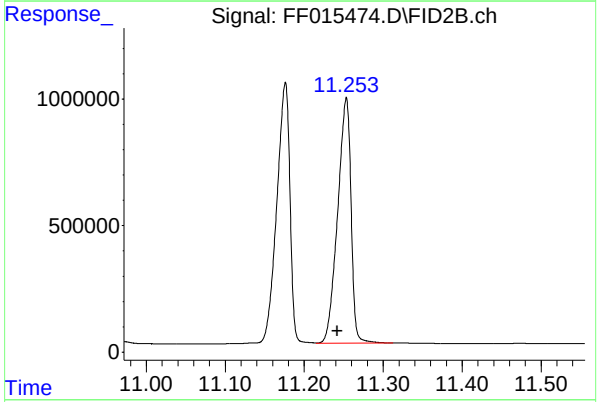
#9 Phenanthrene (C19.36)

R.T.: 11.176 min
Delta R.T.: 0.010 min
Response: 11900402
Conc: 100.00 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

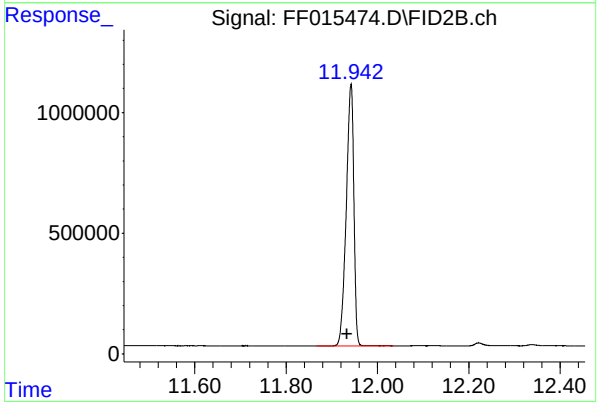
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



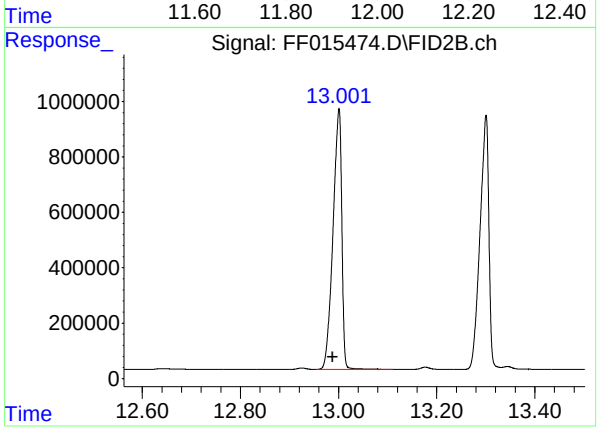
#10 Anthracene (C19.43)

R.T.: 11.253 min
Delta R.T.: 0.011 min
Response: 11425870
Conc: 100.00 ug/ml



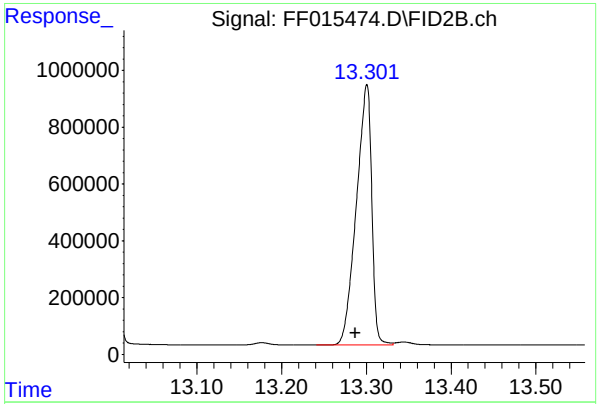
#11 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.008 min
Response: 12508445
Conc: 100.00 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.000 min
Delta R.T.: 0.012 min
Response: 11699094
Conc: 100.00 ug/ml



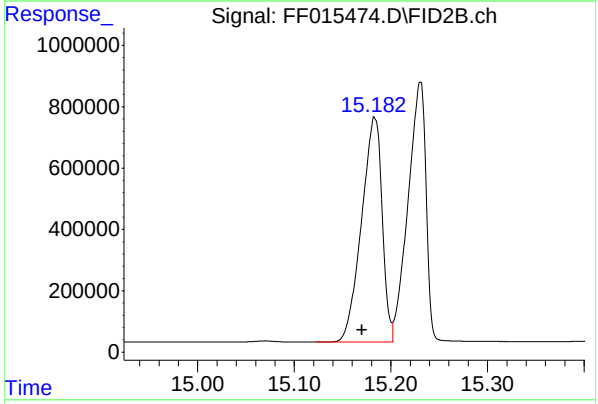
#13 Pyrene (C20.8)

R.T.: 13.300 min
Delta R.T.: 0.013 min
Response: 11546859
Conc: 100.00 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

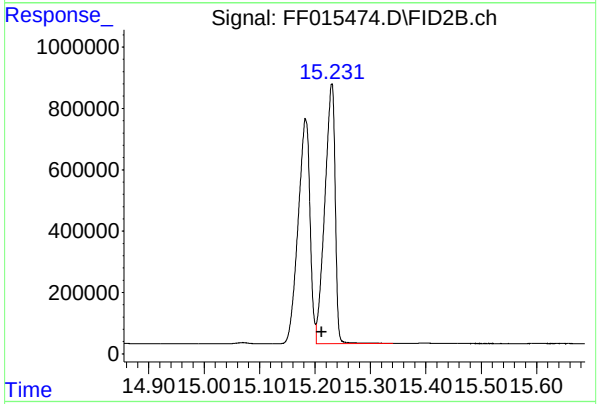
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



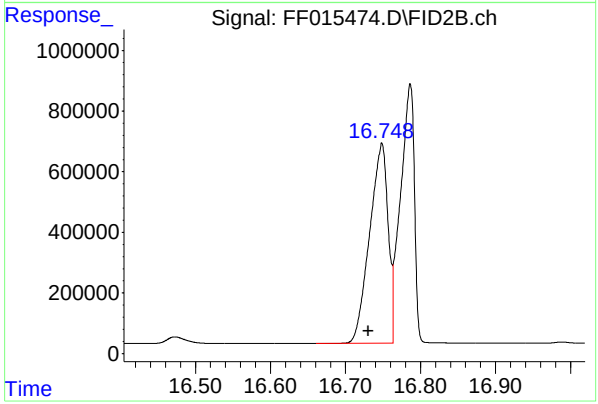
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.183 min
Delta R.T.: 0.013 min
Response: 10885753
Conc: 100.00 ug/ml



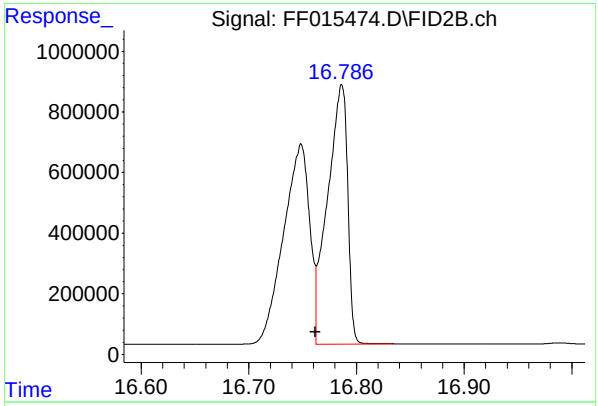
#15 Chrysene (C27.41)

R.T.: 15.230 min
Delta R.T.: 0.018 min
Response: 11008594
Conc: 100.00 ug/ml



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

R.T.: 16.748 min
Delta R.T.: 0.018 min
Response: 11230074
Conc: 100.00 ug/ml



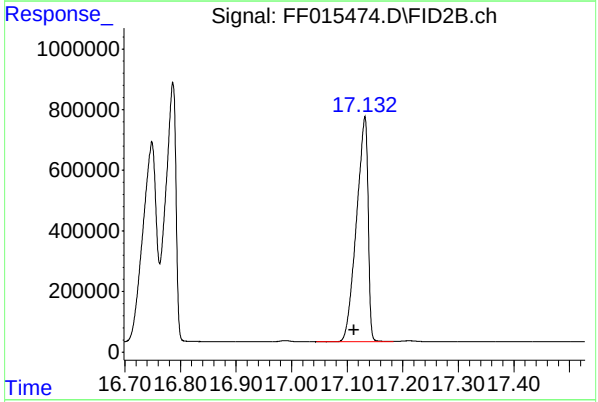
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.786 min
Delta R.T.: 0.024 min
Response: 11091982
Conc: 100.70 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

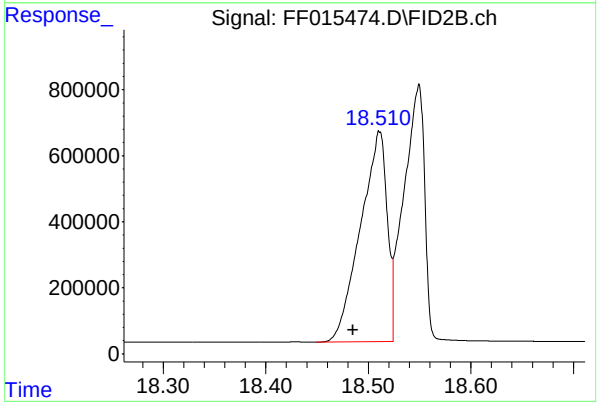
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



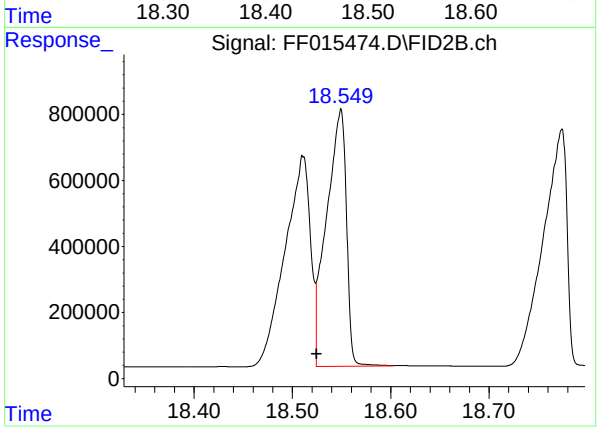
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.131 min
Delta R.T.: 0.019 min
Response: 10776059
Conc: 100.00 ug/ml



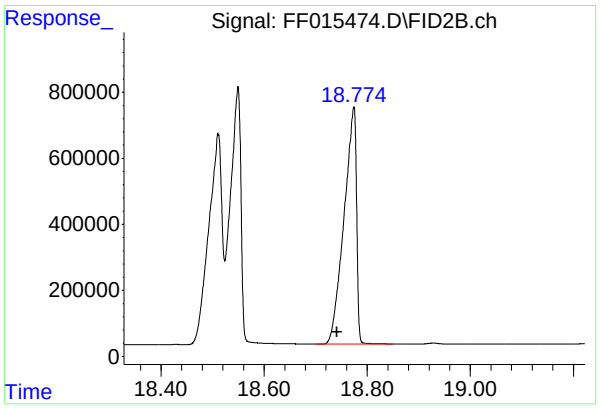
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.510 min
Delta R.T.: 0.026 min
Response: 11468109
Conc: 100.00 ug/ml



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

R.T.: 18.549 min
Delta R.T.: 0.025 min
Response: 10892090
Conc: 99.27 ug/ml m



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

R.T.: 18.773 min
Delta R.T.: 0.032 mi
Response: 12064246
Conc: 100.00 ug/m

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Instrument :
FID_F
LabSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02052
Data File : FF015474.D
Signal(s) : FID2B.ch
Acq On : 05 Feb 2025 23:20
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.611	4.551	4.711	BV	1329274	13131795	98.69%	5.352%
2	6.280	6.214	6.446	BB	1325123	13306304	100.00%	5.424%
3	7.377	7.327	7.491	VV	1240341	12895401	96.91%	5.256%
4	8.002	7.926	8.054	BV	1115605	11552495	86.82%	4.709%
5	8.679	8.602	8.827	BB	1201046	12967828	97.46%	5.286%
6	8.878	8.831	8.944	BV	714821	7670338	57.64%	3.126%
7	8.979	8.944	9.109	VB	1167203	12702604	95.46%	5.177%
8	9.769	9.696	9.907	BB	1116786	12604912	94.73%	5.138%
9	11.176	11.121	11.215	BV	1030620	11900402	89.43%	4.850%
10	11.253	11.215	11.312	VV	964466	11425870	85.87%	4.657%
11	11.942	11.866	12.034	BB	1087686	12508445	94.00%	5.098%
12	13.000	12.954	13.111	PV	944011	11699094	87.92%	4.768%
13	13.300	13.241	13.331	BV	922210	11546859	86.78%	4.706%
14	15.183	15.122	15.202	BV	734904	10885753	81.81%	4.437%
15	15.230	15.202	15.341	VBA	846547	11008594	82.73%	4.487%
16	16.748	16.661	16.763	BV	657500	11230074	84.40%	4.577%
17	16.786	16.763	16.871	VBA	857550	11036937	82.95%	4.499%
18	17.131	17.044	17.182	BV	736667	10776059	80.98%	4.392%
19	18.510	18.449	18.524	PV	637644	11468109	86.19%	4.674%
20	18.548	18.524	18.621	VBA	779659	10961968	82.38%	4.468%
21	18.773	18.701	18.850	BBA	709051	12064246	90.67%	4.917%

Sum of corrected areas: 245344088

Aromatic EPH 020525.M Thu Feb 06 05:37:31 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015475.D
Signal(s) : FID2B.ch
Acq On : 05 Feb 2025 23:49
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: sample.E
Quant Time: Feb 06 05:04:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 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...	7.998	5823157	50.294 ug/ml
Spiked Amount	50.000		Recovery =	100.59%
6) S	2-Flurobiphenyl (SURR)	8.874	3813158	51.407 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	102.81%
11) S	ortho-Terphenyl (SURR)	11.936	6333925	49.872 ug/ml
Spiked Amount	50.000		Recovery =	99.74%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.608	6658567	49.662 ug/ml
2) T	Naphthalene (C11.7)	6.277	6714411	50.159 ug/ml
3) T	2-Methylnaphthalene (...	7.373	6480542	50.294 ug/ml
5) T	Acenaphthylene (C15.06)	8.674	6558191	50.009 ug/ml
7) T	Acenaphthene (C15.5)	8.974	6442331	49.847 ug/ml
8) T	Flouorene (C16.55)	9.763	6361177	50.611 ug/ml
9) T	Phenanthrene (C19.36)	11.170	6006715	50.886 ug/ml
10) T	Anthracene (C19.43)	11.245	5867251	50.369 ug/ml
12) T	Fluoranthene (C21.85)	12.993	5902080	50.078 ug/ml
13) T	Pyrene (C20.8)	13.292	5825509	49.279 ug/ml
14) T	Benzo[a]anthracene (C...	15.175	5456103	50.972 ug/ml
15) T	Chrysene (C27.41)	15.219	5612386	48.528 ug/ml
16) T	benzo[b]fluoranthene ...	16.738	5652142	50.043 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.771	5649513	48.618 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.119	5481404	50.110 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.495	5504431	51.471 ug/ml
20) T	Dibenz[a,h]anthracene...	18.534	5841179	47.757 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.755	6142251	49.249 ug/ml

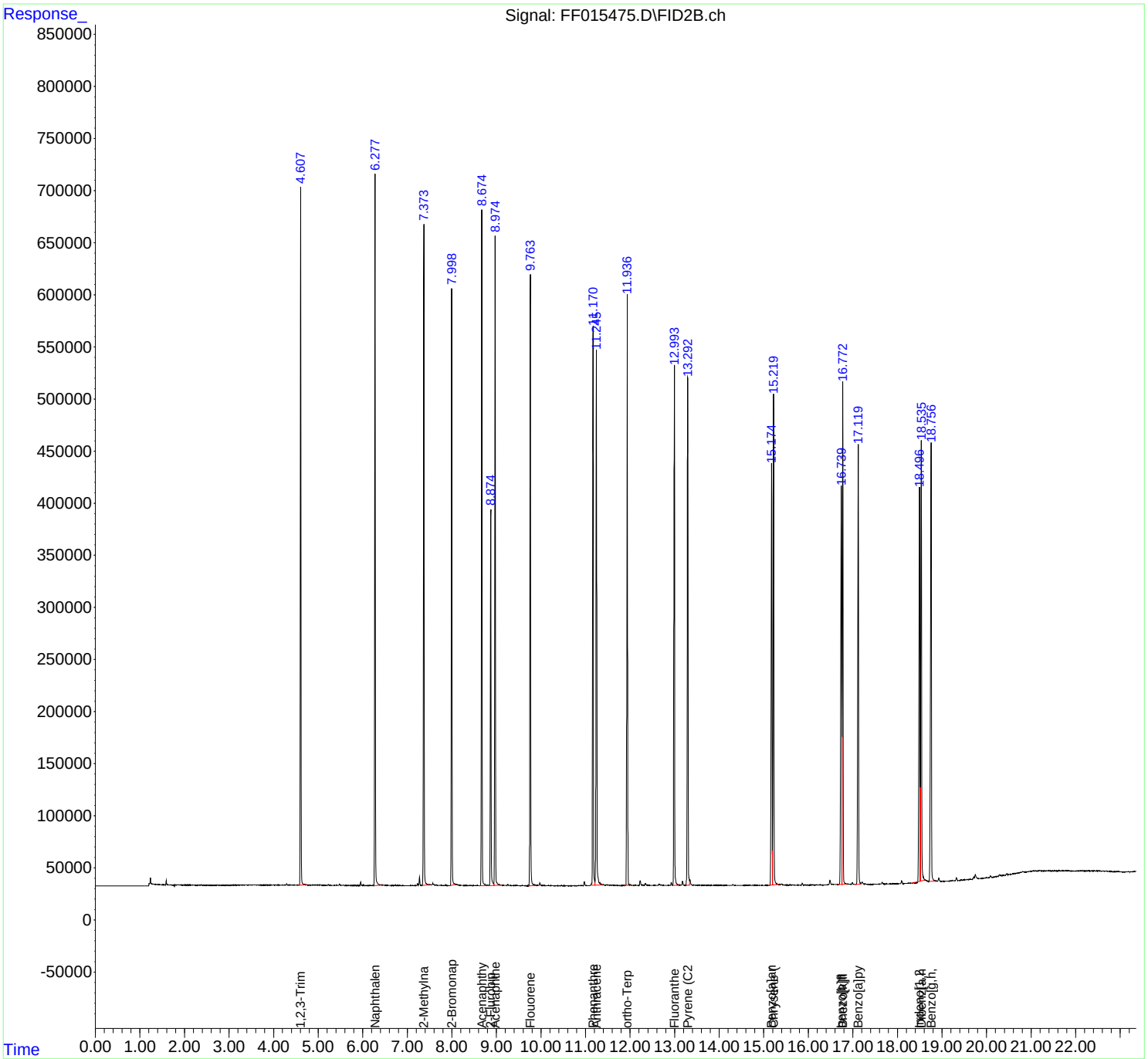
(f)=RT Delta > 1/2 Window (m)=manual int.

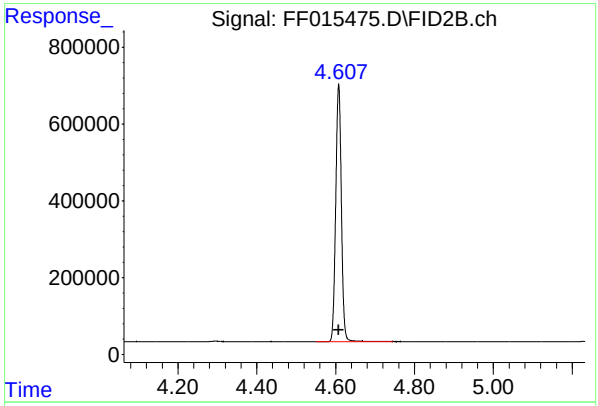
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015475.D
Signal(s) : FID2B.ch
Acq On : 05 Feb 2025 23:49
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: sample.E
Quant Time: Feb 06 05:04:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

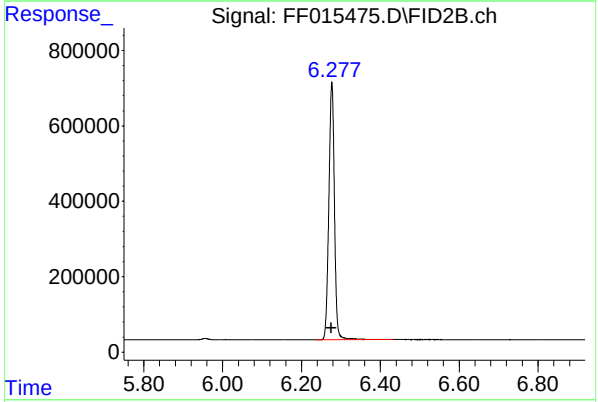




#1 1,2,3-Trimethylbenzene (C10.1)

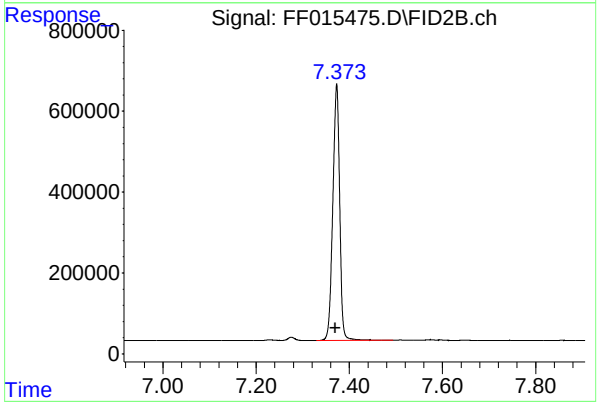
R.T.: 4.608 min
Delta R.T.: 0.000 min
Response: 6658567
Conc: 49.66 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



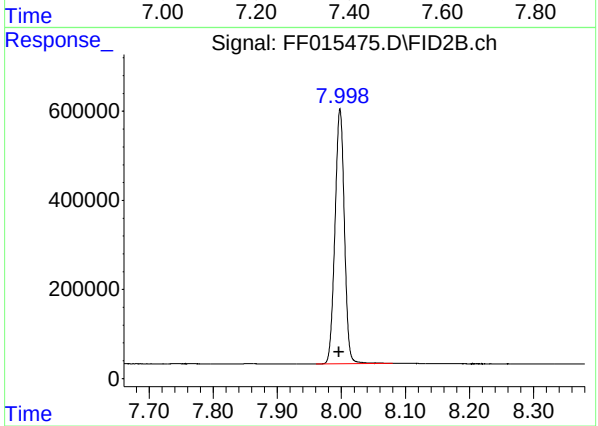
#2 Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.001 min
Response: 6714411
Conc: 50.16 ug/ml



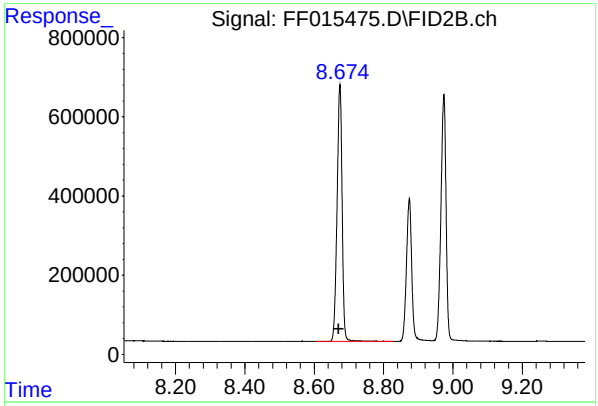
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: 0.003 min
Response: 6480542
Conc: 50.29 ug/ml



#4 2-Bromonaphthalene (SURR)

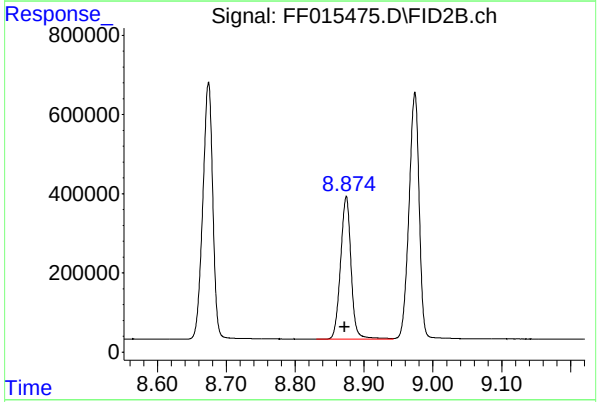
R.T.: 7.998 min
Delta R.T.: 0.002 min
Response: 5823157
Conc: 50.29 ug/ml



#5 Acenaphthylene (C15.06)

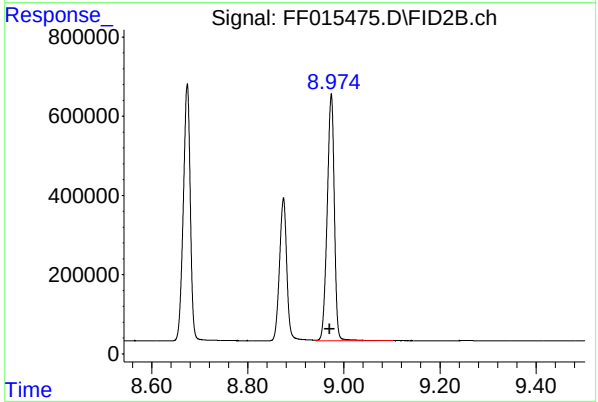
R.T.: 8.674 min
Delta R.T.: 0.003 min
Response: 6558191
Conc: 50.01 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



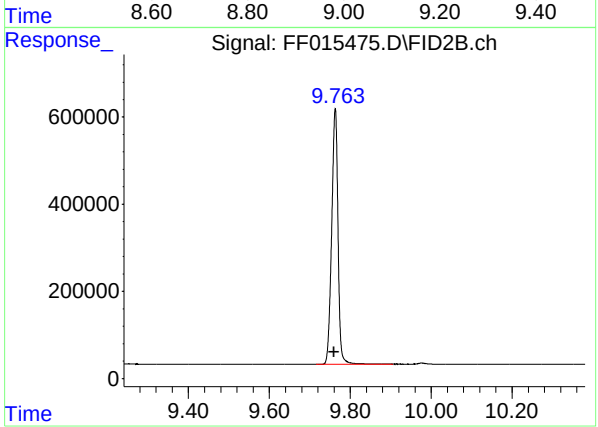
#6 2-Flurobiphenyl (SURR)

R.T.: 8.874 min
Delta R.T.: 0.002 min
Response: 3813158
Conc: 51.41 ug/ml



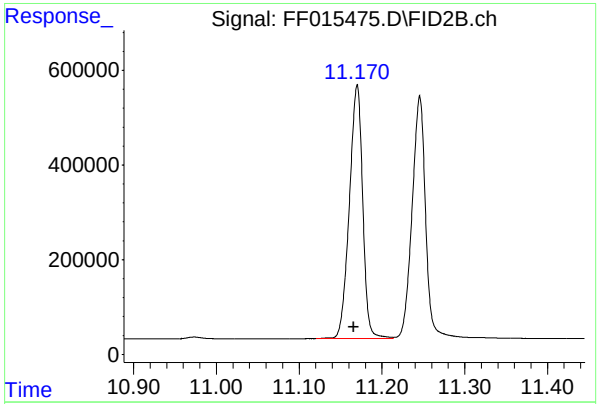
#7 Acenaphthene (C15.5)

R.T.: 8.974 min
Delta R.T.: 0.004 min
Response: 6442331
Conc: 49.85 ug/ml



#8 Flouorene (C16.55)

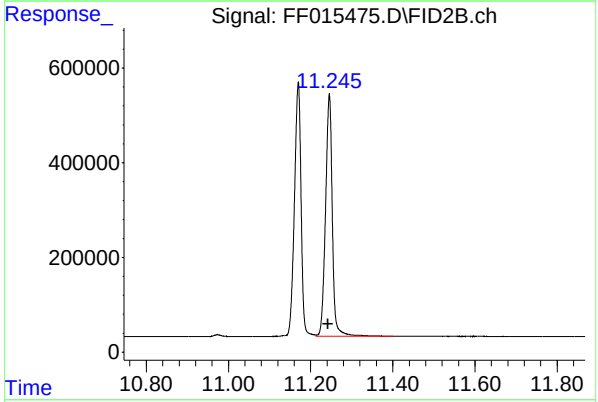
R.T.: 9.763 min
Delta R.T.: 0.003 min
Response: 6361177
Conc: 50.61 ug/ml



#9 Phenanthrene (C19.36)

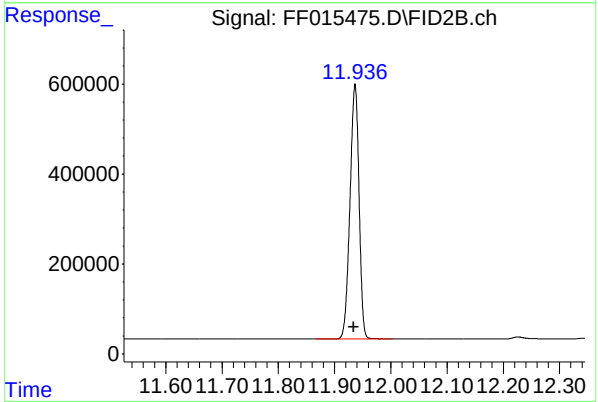
R.T.: 11.170 min
Delta R.T.: 0.004 min
Response: 6006715
Conc: 50.89 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



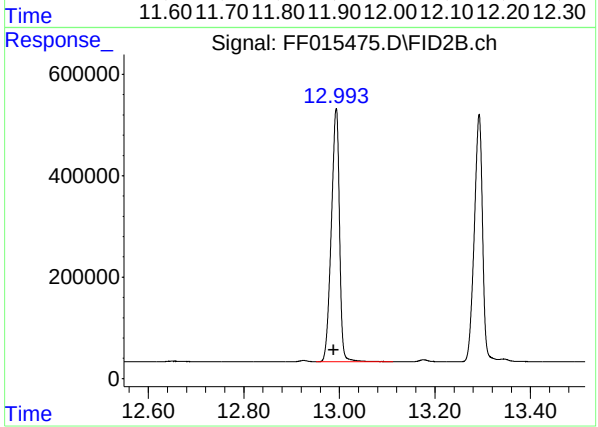
#10 Anthracene (C19.43)

R.T.: 11.245 min
Delta R.T.: 0.004 min
Response: 5867251
Conc: 50.37 ug/ml



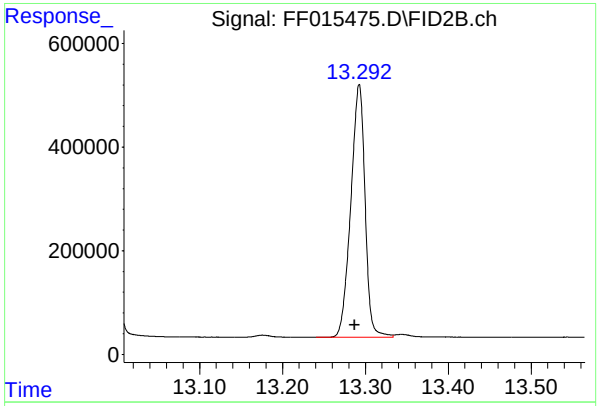
#11 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: 0.003 min
Response: 6333925
Conc: 49.87 ug/ml



#12 Fluoranthene (C21.85)

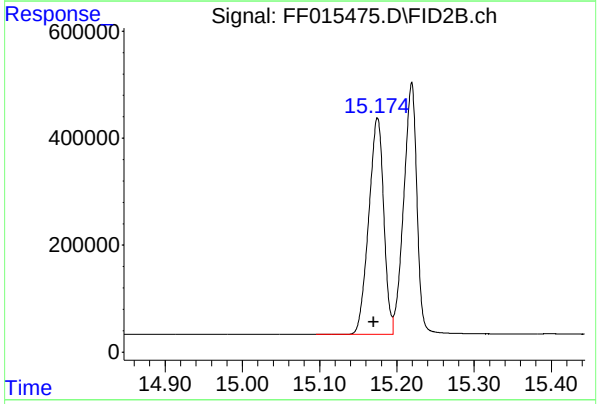
R.T.: 12.993 min
Delta R.T.: 0.005 min
Response: 5902080
Conc: 50.08 ug/ml



#13 Pyrene (C20.8)

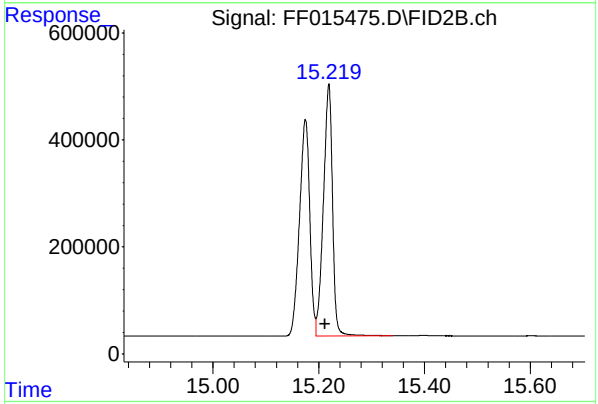
R.T.: 13.292 min
Delta R.T.: 0.005 min
Response: 5825509
Conc: 49.28 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



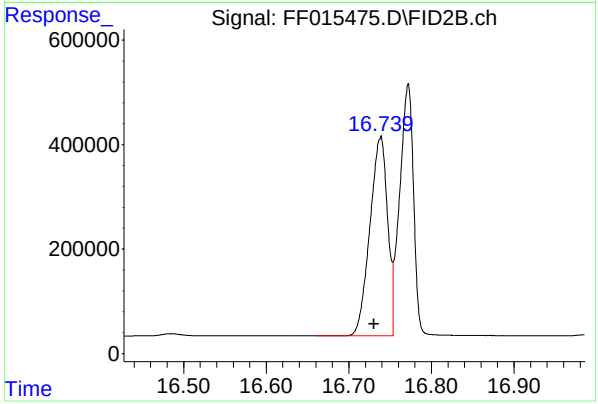
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.175 min
Delta R.T.: 0.005 min
Response: 5456103
Conc: 50.97 ug/ml



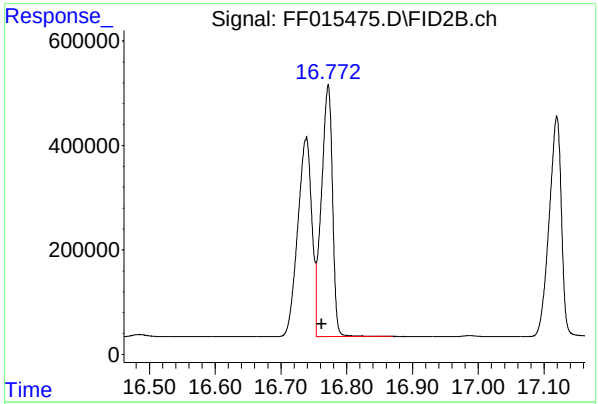
#15 Chrysene (C27.41)

R.T.: 15.219 min
Delta R.T.: 0.007 min
Response: 5612386
Conc: 48.53 ug/ml



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

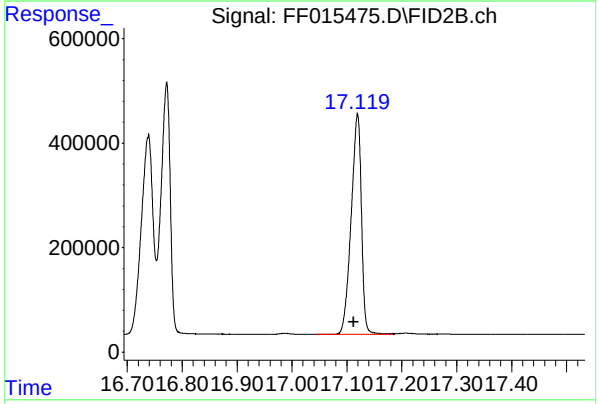
R.T.: 16.738 min
Delta R.T.: 0.008 min
Response: 5652142
Conc: 50.04 ug/ml



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

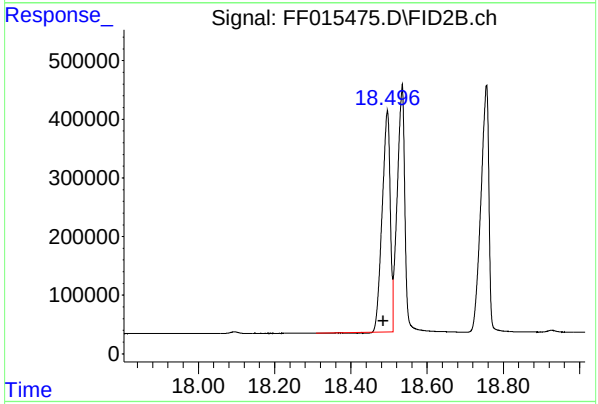
R.T.: 16.771 min
Delta R.T.: 0.010 min
Response: 5649513
Conc: 48.62 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



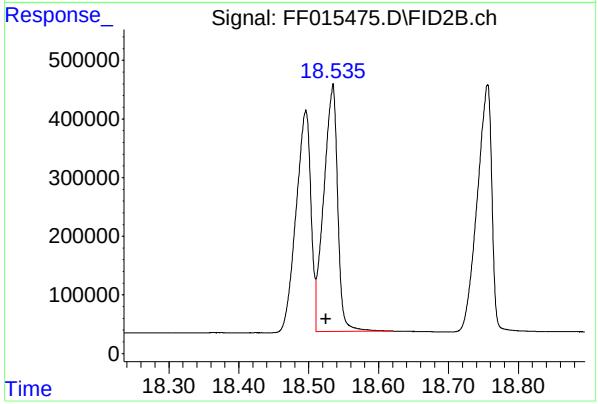
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.119 min
Delta R.T.: 0.007 min
Response: 5481404
Conc: 50.11 ug/ml



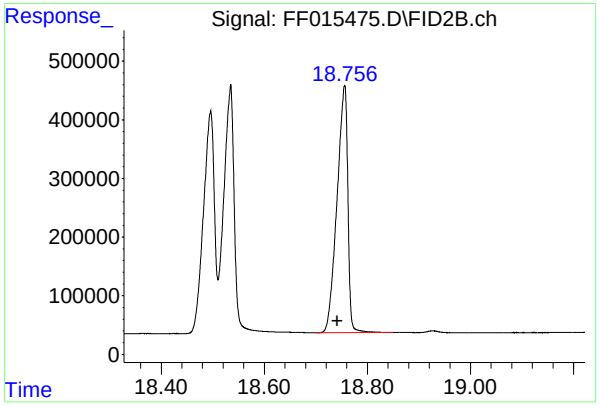
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.495 min
Delta R.T.: 0.010 min
Response: 5504431
Conc: 51.47 ug/ml



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

R.T.: 18.534 min
Delta R.T.: 0.009 min
Response: 5841179
Conc: 47.76 ug/ml



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

R.T.: 18.755 min
Delta R.T.: 0.014 mi
Response: 6142251
Conc: 49.25 ug/m

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015475.D
Signal(s) : FID2B.ch
Acq On : 05 Feb 2025 23:49
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.608	4.550	4.745	BB	668019	6658567	99.17%	5.364%
2	6.277	6.237	6.432	BB	683363	6714411	100.00%	5.409%
3	7.373	7.329	7.494	BV	632437	6480542	96.52%	5.221%
4	7.998	7.960	8.080	BV	571418	5823157	86.73%	4.691%
5	8.674	8.605	8.827	BB	647086	6558191	97.67%	5.283%
6	8.874	8.830	8.942	BV	359343	3813158	56.79%	3.072%
7	8.974	8.942	9.102	VB	623013	6442331	95.95%	5.190%
8	9.763	9.715	9.905	BB	586599	6361177	94.74%	5.125%
9	11.170	11.120	11.213	BV	538840	6006715	89.46%	4.839%
10	11.245	11.213	11.400	VBA	513359	5867251	87.38%	4.727%
11	11.936	11.867	12.004	BB	567818	6333925	94.33%	5.103%
12	12.993	12.951	13.112	PB	500827	5902080	87.90%	4.755%
13	13.292	13.240	13.333	BV	488490	5825509	86.76%	4.693%
14	15.175	15.095	15.195	BV	404482	5456103	81.26%	4.396%
15	15.219	15.195	15.340	VBA	470207	5612386	83.59%	4.522%
16	16.738	16.660	16.754	BV	380924	5652142	84.18%	4.554%
17	16.771	16.754	16.870	VBA	484834	5649513	84.14%	4.551%
18	17.119	17.044	17.184	BV	421336	5481404	81.64%	4.416%
19	18.495	18.309	18.510	BV	376580	5504431	81.98%	4.435%
20	18.534	18.510	18.620	VBA	415758	5841179	86.99%	4.706%
21	18.755	18.700	18.850	BBA	421865	6142251	91.48%	4.948%

Sum of corrected areas: 124126421

Aromatic EPH 020525.M Thu Feb 06 05:39:08 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015476.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 00:17
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: sample.E
Quant Time: Feb 06 05:04:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 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...	7.997	2315654	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.872	1483515	20.000 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%
11) S	ortho-Terphenyl (SURR)	11.934	2540058	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.607	2681578	20.000 ug/ml
2) T	Naphthalene (C11.7)	6.276	2677265	20.000 ug/ml
3) T	2-Methylnaphthalene (...	7.370	2577084	20.000 ug/ml
5) T	Acenaphthylene (C15.06)	8.671	2622826	20.000 ug/ml
7) T	Acenaphthene (C15.5)	8.970	2584855	20.000 ug/ml
8) T	Flouorene (C16.55)	9.760	2513751	20.000 ug/ml
9) T	Phenanthrene (C19.36)	11.166	2360869	20.000 ug/ml
10) T	Anthracene (C19.43)	11.242	2329692	20.000 ug/ml
12) T	Fluoranthene (C21.85)	12.988	2357152	20.000 ug/ml
13) T	Pyrene (C20.8)	13.287	2364312	20.000 ug/ml
14) T	Benzo[a]anthracene (C...	15.170	2140814	20.000 ug/ml
15) T	Chrysene (C27.41)	15.212	2313046	20.000 ug/ml
16) T	benzo[b]fluoranthene ...	16.731	2258933	20.000 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.762	2324033	20.000 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.112	2187759	20.000 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.485	2138844	20.000 ug/ml
20) T	Dibenz[a,h]anthracene...	18.525	2446194	20.000 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.741	2494364	20.000 ug/ml

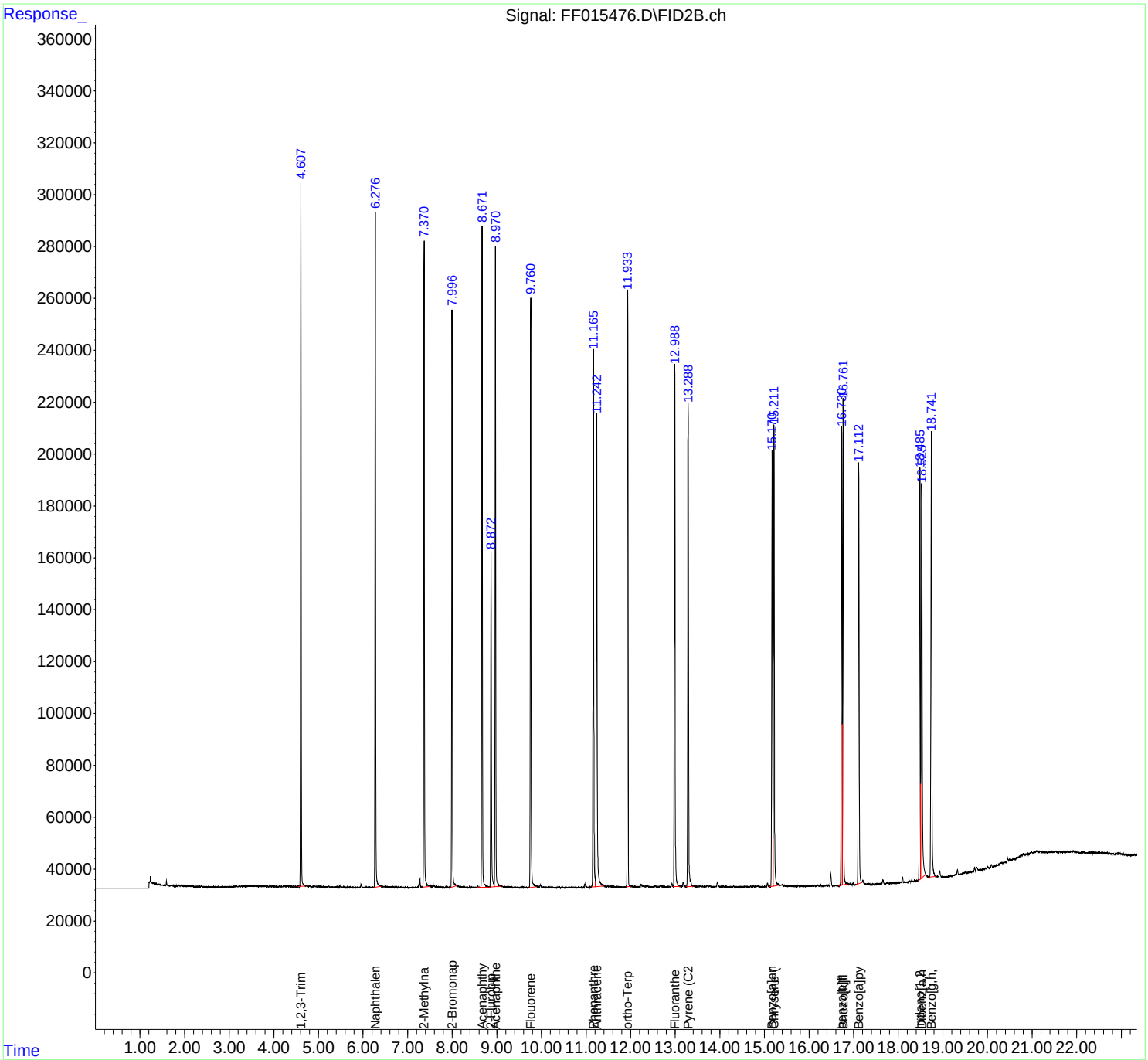
(f)=RT Delta > 1/2 Window (m)=manual int.

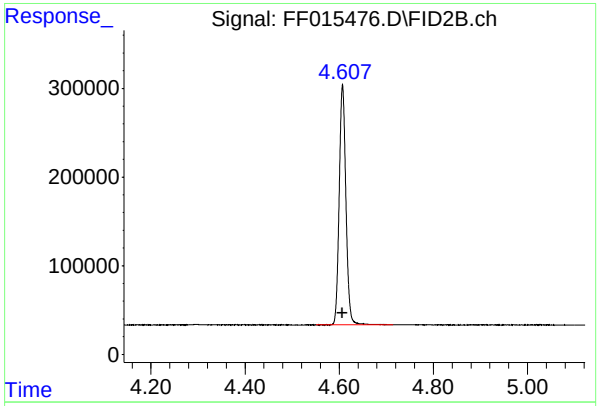
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015476.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 00:17
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: sample.E
Quant Time: Feb 06 05:04:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

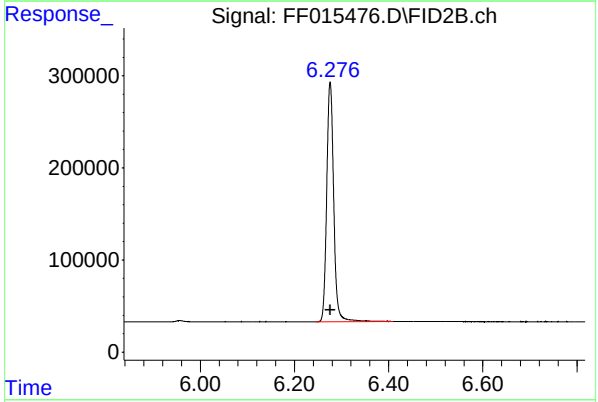




#1 1,2,3-Trimethylbenzene (C10.1)

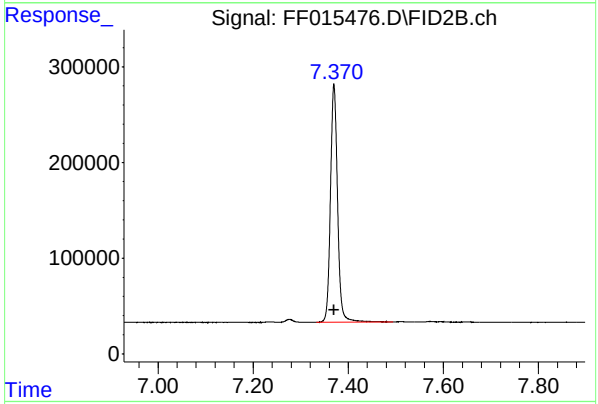
R.T.: 4.607 min
Delta R.T.: 0.000 min
Response: 2681578
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



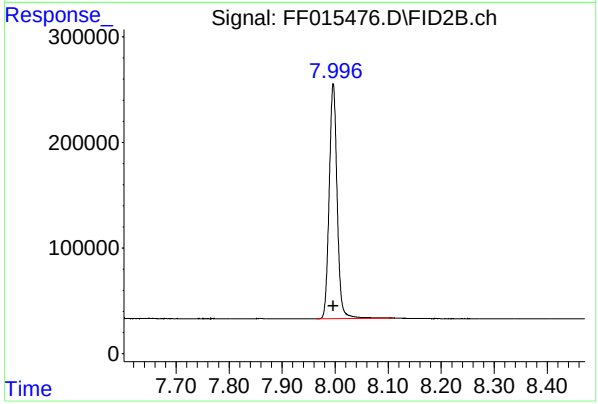
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 2677265
Conc: 20.00 ug/ml



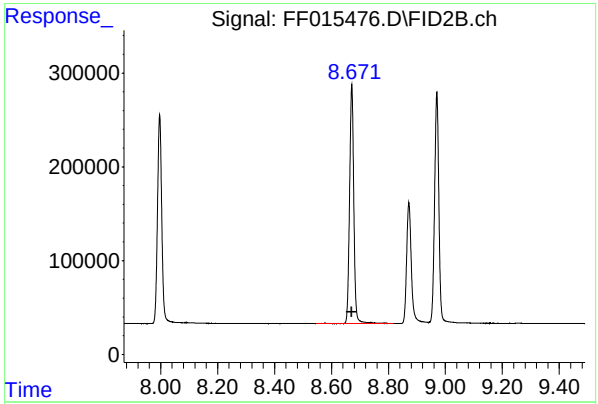
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 2577084
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

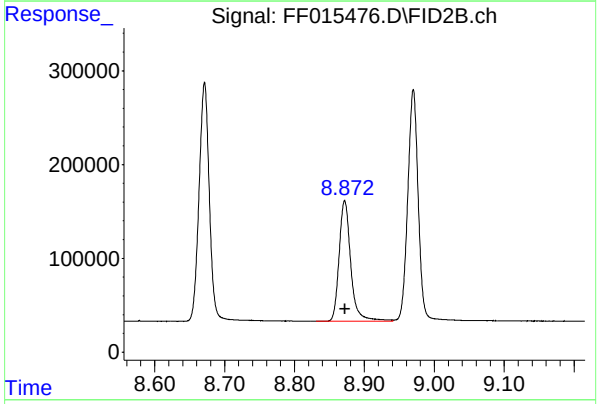
R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 2315654
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

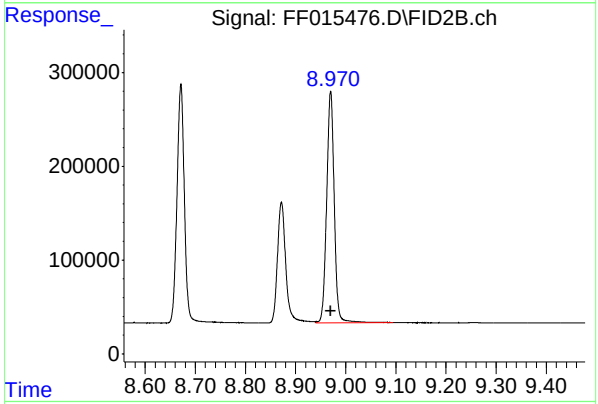
R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 2622826
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



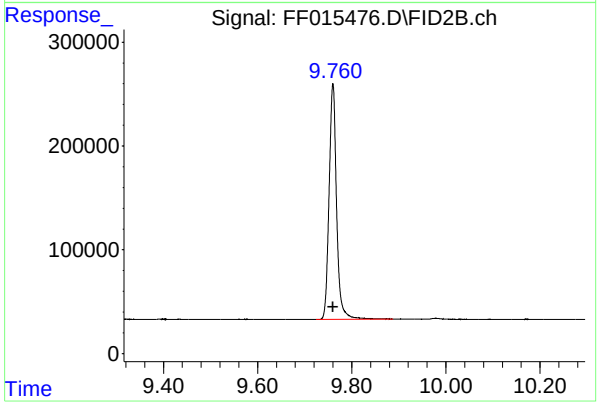
#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 1483515
Conc: 20.00 ug/ml



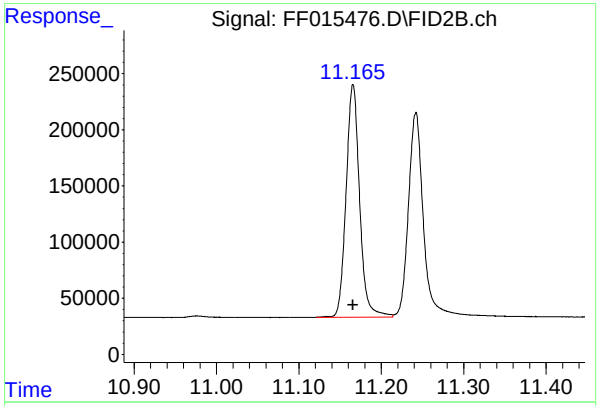
#7 Acenaphthene (C15.5)

R.T.: 8.970 min
Delta R.T.: 0.000 min
Response: 2584855
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

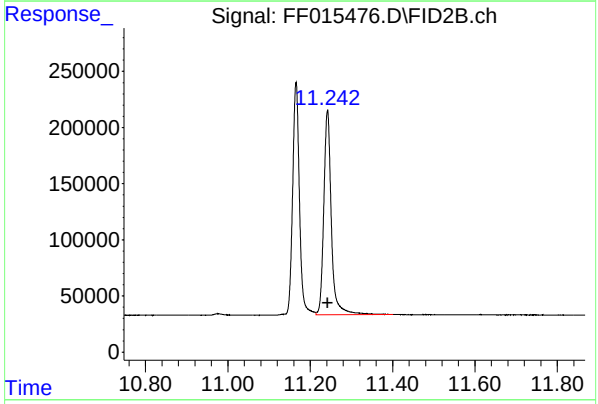
R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 2513751
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

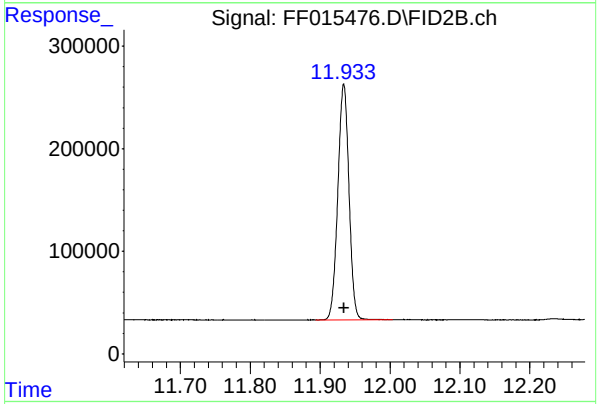
R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 2360869
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



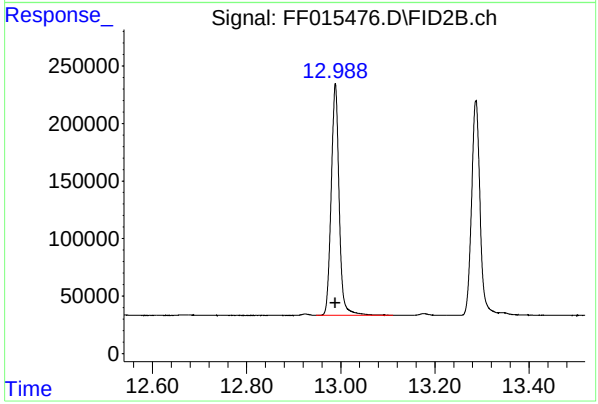
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: 0.000 min
Response: 2329692
Conc: 20.00 ug/ml



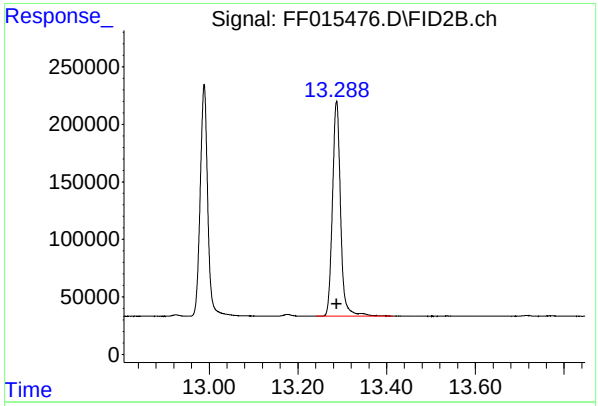
#11 ortho-Terphenyl (SURR)

R.T.: 11.934 min
Delta R.T.: 0.000 min
Response: 2540058
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

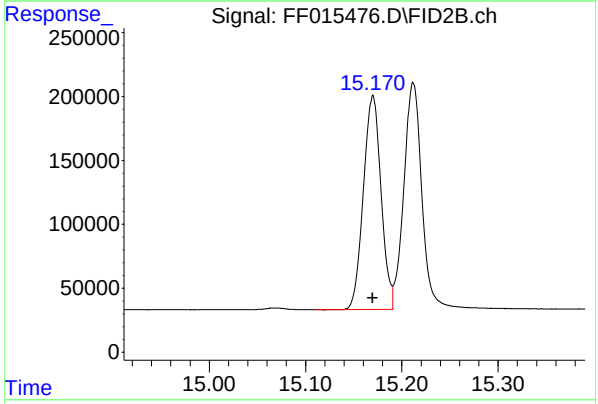
R.T.: 12.988 min
Delta R.T.: 0.000 min
Response: 2357152
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

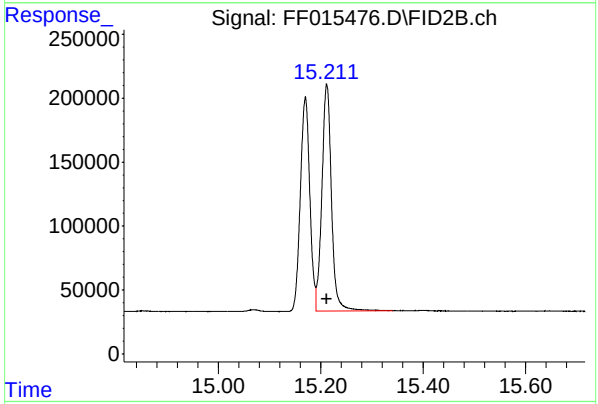
R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 2364312
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



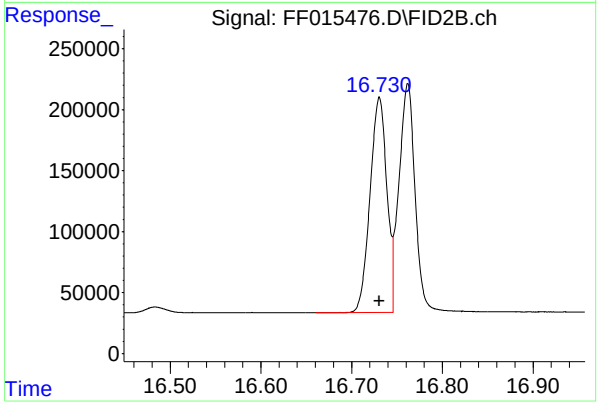
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.170 min
Delta R.T.: 0.000 min
Response: 2140814
Conc: 20.00 ug/ml



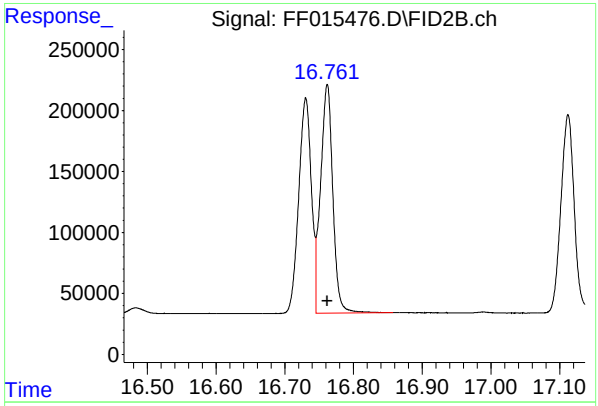
#15 Chrysene (C27.41)

R.T.: 15.212 min
Delta R.T.: 0.000 min
Response: 2313046
Conc: 20.00 ug/ml



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

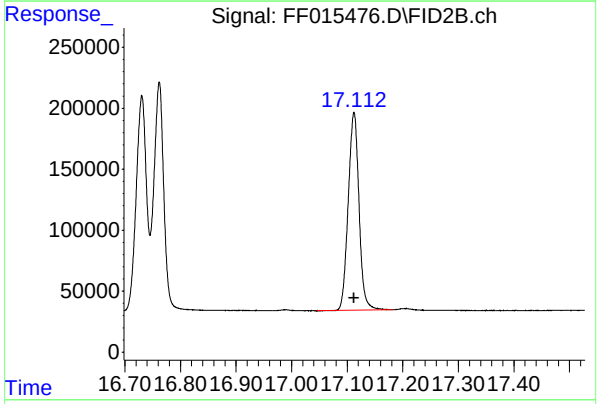
R.T.: 16.731 min
Delta R.T.: 0.000 min
Response: 2258933
Conc: 20.00 ug/ml



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

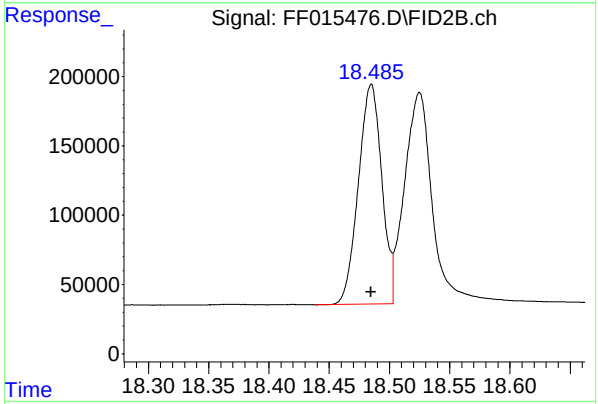
R.T.: 16.762 min
Delta R.T.: 0.000 min
Response: 2324033
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



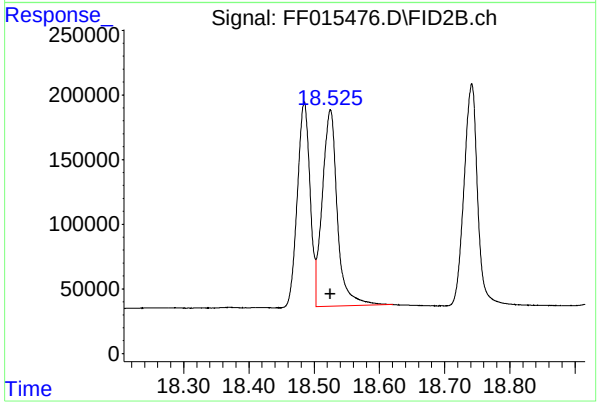
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.112 min
Delta R.T.: 0.000 min
Response: 2187759
Conc: 20.00 ug/ml



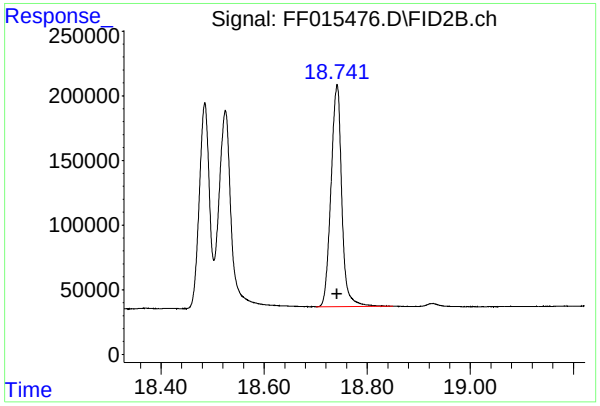
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.485 min
Delta R.T.: 0.000 min
Response: 2138844
Conc: 20.00 ug/ml



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

R.T.: 18.525 min
Delta R.T.: 0.000 min
Response: 2446194
Conc: 20.00 ug/ml



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

R.T.: 18.741 min
Delta R.T.: 0.000 mi
Response: 2494364
Conc: 20.00 ug/m

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015476.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 00:17
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.607	4.551	4.714	BB	271023	2681578	100.00%	5.394%
2	6.276	6.246	6.409	BB	259789	2677265	99.84%	5.385%
3	7.370	7.332	7.494	BV	247768	2577084	96.10%	5.184%
4	7.997	7.964	8.109	BB	222845	2315654	86.35%	4.658%
5	8.671	8.546	8.816	BB	254782	2622826	97.81%	5.276%
6	8.872	8.831	8.941	BV	128472	1483515	55.32%	2.984%
7	8.970	8.941	9.094	VB	247637	2584855	96.39%	5.200%
8	9.760	9.724	9.887	BB	227549	2513751	93.74%	5.057%
9	11.166	11.121	11.214	BV	207453	2360869	88.04%	4.749%
10	11.242	11.214	11.401	VBA	182659	2329692	86.88%	4.686%
11	11.934	11.894	12.004	BB	230033	2540058	94.72%	5.109%
12	12.988	12.947	13.111	PB	202230	2357152	87.90%	4.742%
13	13.287	13.241	13.414	BB	186608	2364312	88.17%	4.756%
14	15.170	15.111	15.191	BV	166762	2140814	79.83%	4.306%
15	15.212	15.191	15.341	VBA	177262	2313046	86.26%	4.653%
16	16.731	16.661	16.746	BV	176917	2258933	84.24%	4.544%
17	16.762	16.746	16.857	VB	188214	2324033	86.67%	4.675%
18	17.112	17.044	17.182	BV	162586	2187759	81.58%	4.401%
19	18.485	18.439	18.503	PV	158054	2138844	79.76%	4.302%
20	18.525	18.503	18.621	VBA	151936	2446194	91.22%	4.921%
21	18.741	18.701	18.850	BBA	171266	2494364	93.02%	5.018%
			Sum of corrected areas:			49712599		

Aromatic EPH 020525.M Thu Feb 06 05:39:55 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015477.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 00:46
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Integration File: sample.E
Quant Time: Feb 06 05:05:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 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...	7.997	1237505	10.688 ug/ml
Spiked Amount	50.000		Recovery =	21.38%
6) S	2-Flurobiphenyl (SURR)	8.873	777656	10.484 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	20.97%
11) S	ortho-Terphenyl (SURR)	11.933	1391037	10.953 ug/ml
Spiked Amount	50.000		Recovery =	21.91%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.608	1454679	10.849 ug/ml
2) T	Naphthalene (C11.7)	6.276	1436828	10.734 ug/ml
3) T	2-Methylnaphthalene (...	7.371	1386605	10.761 ug/ml
5) T	Acenaphthylene (C15.06)	8.671	1421455	10.839 ug/ml
7) T	Acenaphthene (C15.5)	8.970	1404549	10.868 ug/ml
8) T	Flouorene (C16.55)	9.760	1356184	10.790 ug/ml
9) T	Phenanthrene (C19.36)	11.166	1258288	10.660 ug/ml
10) T	Anthracene (C19.43)	11.242	1254510	10.770 ug/ml
12) T	Fluoranthene (C21.85)	12.988	1271947	10.792 ug/ml
13) T	Pyrene (C20.8)	13.287	1281838	10.843 ug/ml
14) T	Benzo[a]anthracene (C...	15.169	1114603	10.413 ug/ml
15) T	Chrysene (C27.41)	15.211	1273778	11.014 ug/ml
16) T	benzo[b]fluoranthene ...	16.729	1205904	10.677 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.759	1291485	11.114 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.111	1176331	10.754 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.484	1127231	10.541 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.523	1336743	10.929 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.737	1349156	10.818 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015477.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 00:46
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

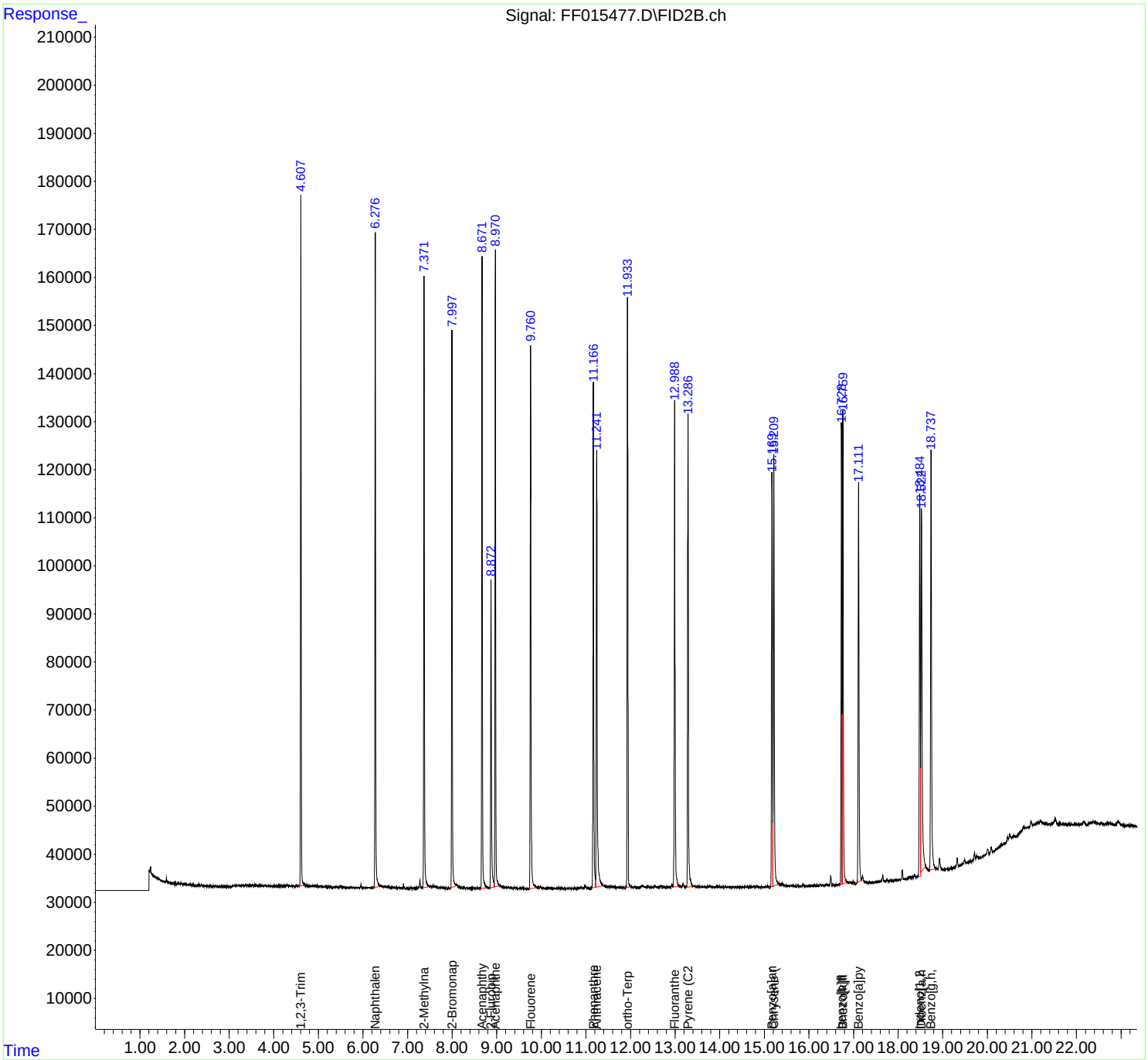
Integration File: sample.E
Quant Time: Feb 06 05:05:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 2025
Response via : Initial Calibration
Integrator: ChemStation

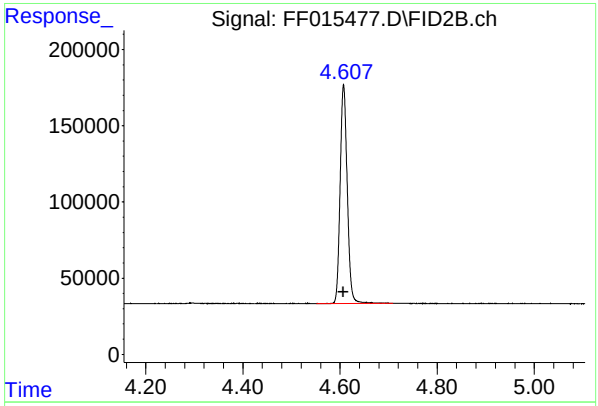
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025





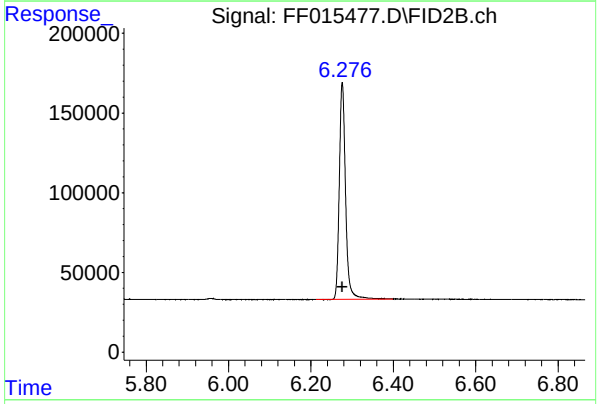
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.608 min
Delta R.T.: 0.000 min
Response: 1454679
Conc: 10.85 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

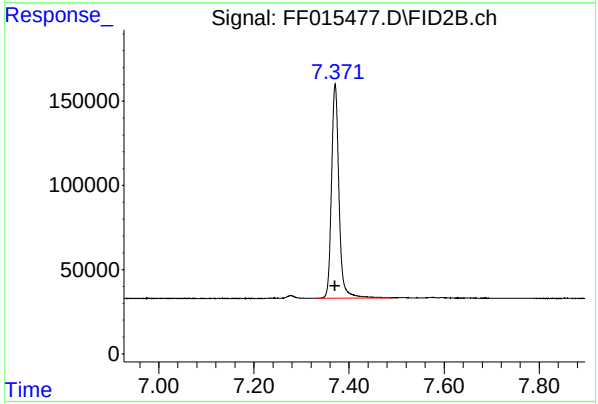
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



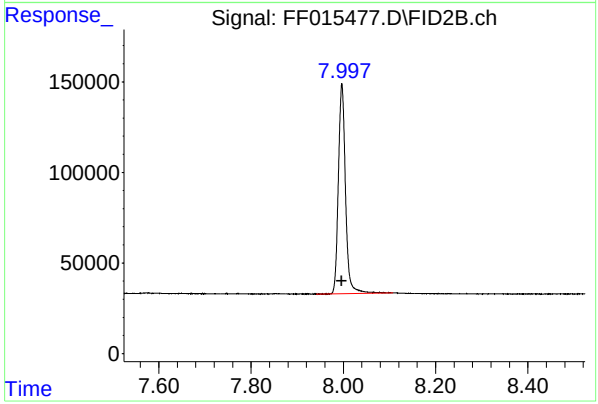
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 1436828
Conc: 10.73 ug/ml



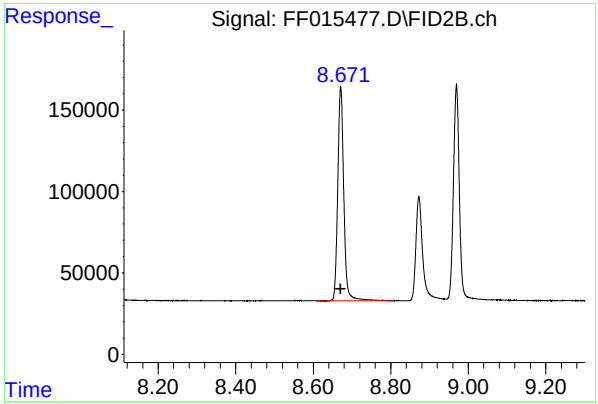
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.000 min
Response: 1386605
Conc: 10.76 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 1237505
Conc: 10.69 ug/ml



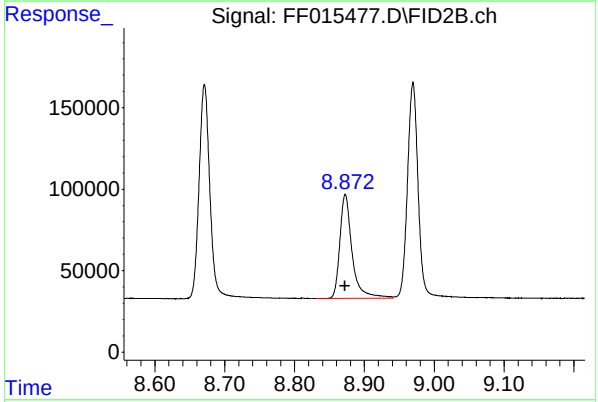
#5 Acenaphthylene (C15.06)

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 1421455
Conc: 10.84 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

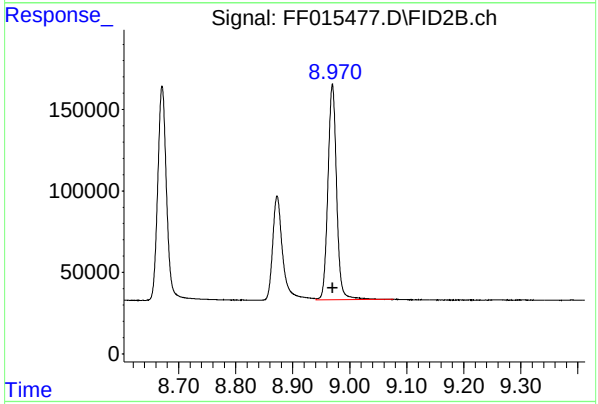
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



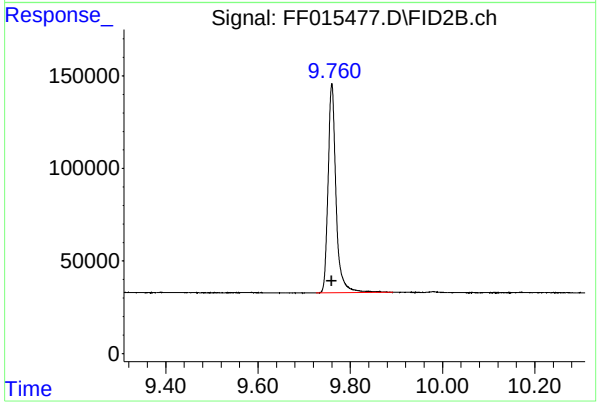
#6 2-Flurobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: 0.000 min
Response: 777656
Conc: 10.48 ug/ml



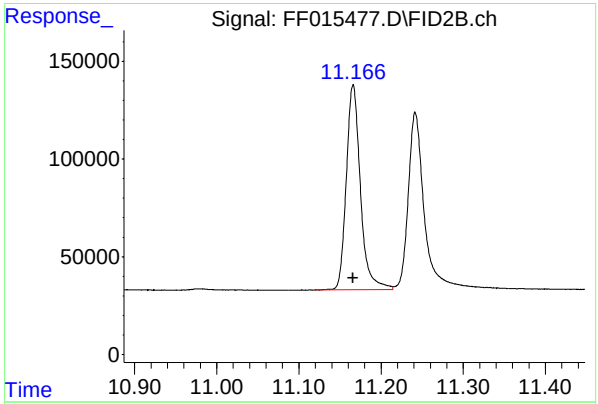
#7 Acenaphthene (C15.5)

R.T.: 8.970 min
Delta R.T.: 0.000 min
Response: 1404549
Conc: 10.87 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 1356184
Conc: 10.79 ug/ml



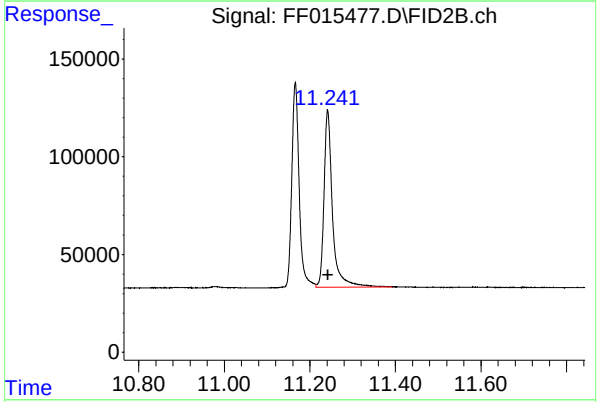
#9 Phenanthrene (C19.36)

R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 1258288
Conc: 10.66 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

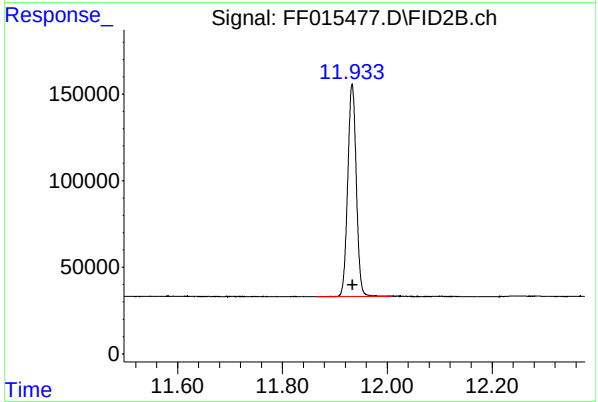
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



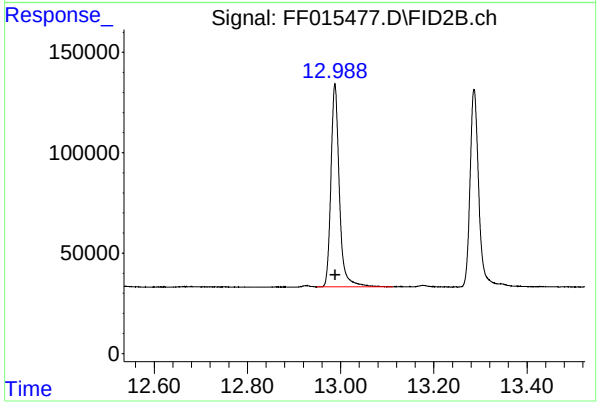
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: 0.000 min
Response: 1254510
Conc: 10.77 ug/ml



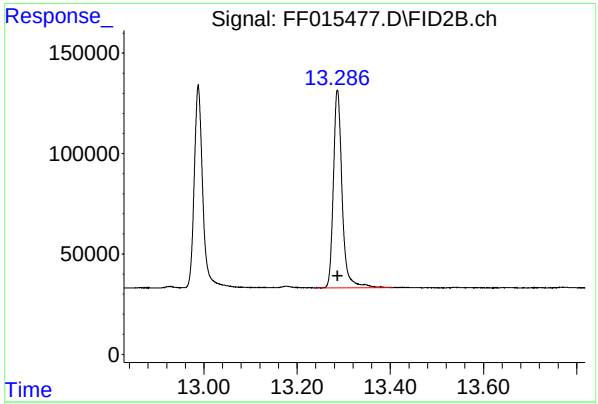
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 1391037
Conc: 10.95 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.988 min
Delta R.T.: 0.000 min
Response: 1271947
Conc: 10.79 ug/ml



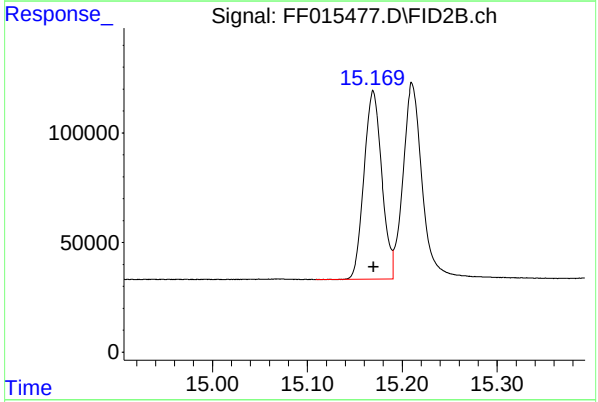
#13 Pyrene (C20.8)

R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 1281838
Conc: 10.84 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

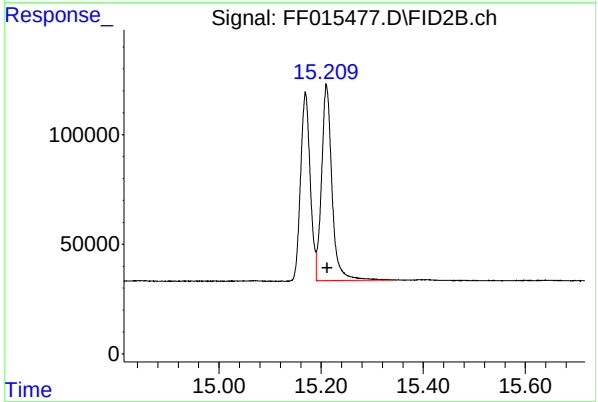
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



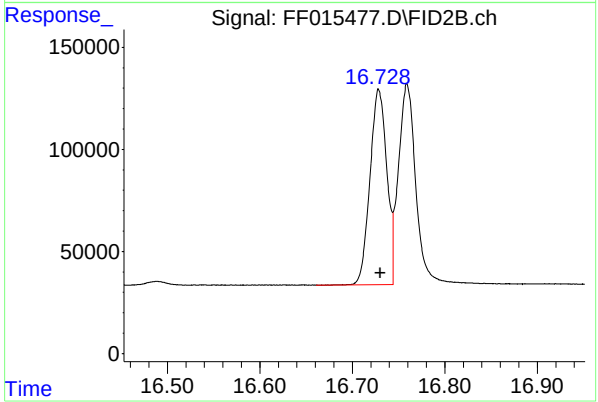
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.169 min
Delta R.T.: 0.000 min
Response: 1114603
Conc: 10.41 ug/ml



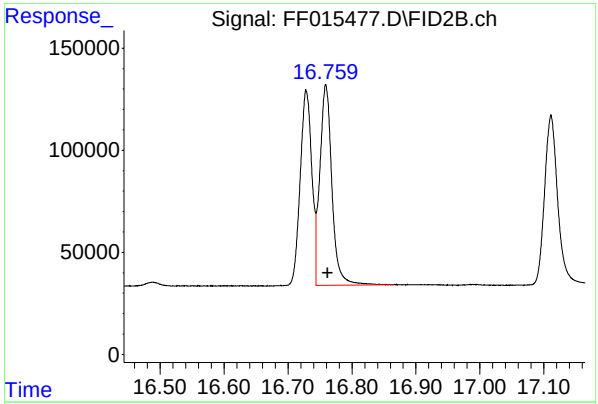
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: -0.001 min
Response: 1273778
Conc: 11.01 ug/ml



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

R.T.: 16.729 min
Delta R.T.: -0.002 min
Response: 1205904
Conc: 10.68 ug/ml



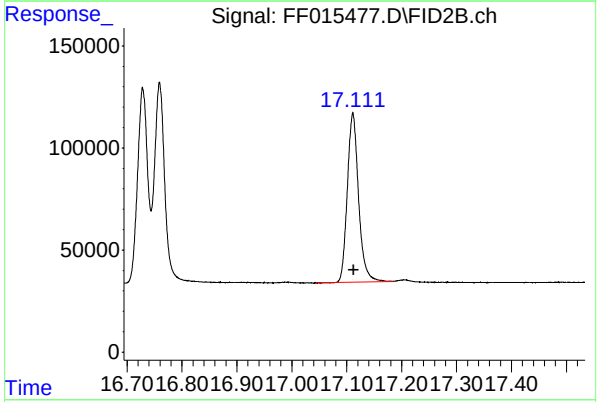
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.759 min
Delta R.T.: -0.003 mi
Response: 1291485
Conc: 11.11 ug/m

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

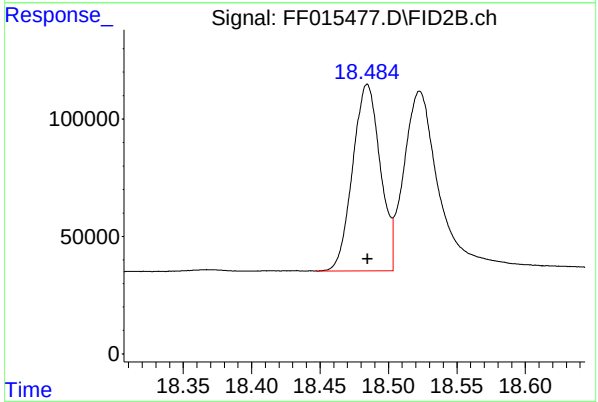
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



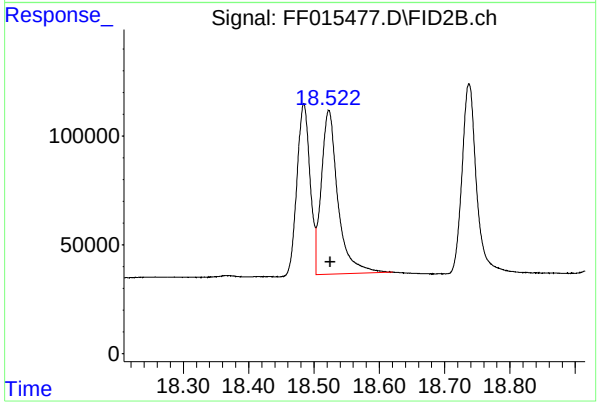
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.111 min
Delta R.T.: -0.001 min
Response: 1176331
Conc: 10.75 ug/ml



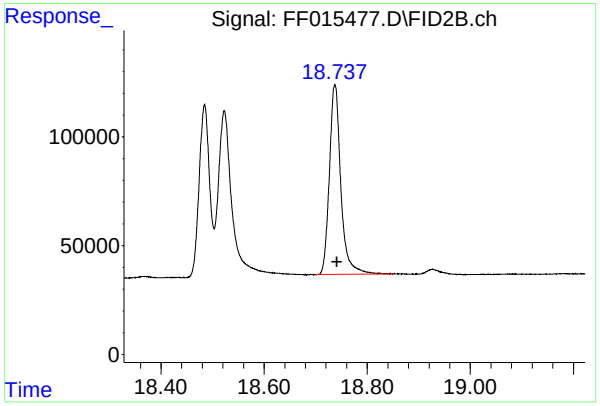
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.484 min
Delta R.T.: 0.000 min
Response: 1127231
Conc: 10.54 ug/ml m



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

R.T.: 18.523 min
Delta R.T.: -0.002 min
Response: 1336743
Conc: 10.93 ug/ml



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

R.T.: 18.737 min
Delta R.T.: -0.004 mi
Response: 1349156
Conc: 10.82 ug/m

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Instrument :
FID_F
LabSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02052
Data File : FF015477.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 00:46
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.608	4.551	4.709	BB	143502	1454679	100.00%	5.434%
2	6.276	6.212	6.399	BB	136044	1436828	98.77%	5.367%
3	7.371	7.331	7.492	BB	127000	1386605	95.32%	5.179%
4	7.997	7.941	8.107	BB	116137	1237505	85.07%	4.622%
5	8.671	8.607	8.806	BB	131556	1421455	97.72%	5.310%
6	8.873	8.831	8.941	BV	63913	777656	53.46%	2.905%
7	8.970	8.941	9.076	VB	131988	1404549	96.55%	5.246%
8	9.760	9.726	9.892	BB	113270	1356184	93.23%	5.066%
9	11.166	11.121	11.214	BV	104853	1258288	86.50%	4.700%
10	11.242	11.214	11.394	VB	90360	1254510	86.24%	4.686%
11	11.933	11.864	12.011	BB	122412	1391037	95.63%	5.196%
12	12.988	12.947	13.112	VB	100932	1271947	87.44%	4.751%
13	13.287	13.241	13.406	BB	98568	1281838	88.12%	4.788%
14	15.169	15.109	15.190	BV	86028	1114603	76.62%	4.163%
15	15.211	15.190	15.341	VBA	88997	1273778	87.56%	4.758%
16	16.729	16.661	16.744	BV	95092	1205904	82.90%	4.504%
17	16.759	16.744	16.864	VB	98394	1291485	88.78%	4.824%
18	17.111	17.044	17.184	BV	82844	1176331	80.87%	4.394%
19	18.484	18.417	18.503	BV	78781	1090481	74.96%	4.073%
20	18.523	18.503	18.621	VBA	75534	1336743	91.89%	4.993%
21	18.737	18.701	18.850	BBA	87396	1349156	92.75%	5.040%
			Sum of corrected areas:			26771562		

Aromatic EPH 020525.M Thu Feb 06 05:40:30 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015478.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 01:14
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Integration File: sample.E
Quant Time: Feb 06 05:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 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...	7.997	613728	5.301 ug/ml
	Spiked Amount 50.000		Recovery =	10.60%
6)	S 2-Flurobiphenyl (SURR)	8.875	374014	5.042 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	10.08%
11)	S ortho-Terphenyl (SURR)	11.932	707703	5.572 ug/ml
	Spiked Amount 50.000		Recovery =	11.14%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.608	742453	5.537 ug/ml
2)	T Naphthalene (C11.7)	6.277	718999	5.371 ug/ml
3)	T 2-Methylnaphthalene (...	7.371	692891	5.377 ug/ml
5)	T Acenaphthylene (C15.06)	8.671	709723	5.412 ug/ml
7)	T Acenaphthene (C15.5)	8.969	730856	5.655 ug/ml
8)	T Flouorene (C16.55)	9.760	673789	5.361 ug/ml
9)	T Phenanthrene (C19.36)	11.167	619613	5.249 ug/ml
10)	T Anthracene (C19.43)	11.244	628678	5.397 ug/ml
12)	T Fluoranthene (C21.85)	12.989	640439	5.434 ug/ml
13)	T Pyrene (C20.8)	13.287	650441	5.502 ug/ml
14)	T Benzo[a]anthracene (C...	15.171	543820	5.080 ug/mlm
15)	T Chrysene (C27.41)	15.212	654073	5.656 ug/ml
16)	T benzo[b]fluoranthene ...	16.730	591146	5.234 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.760	672811	5.790 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.114	582993	5.330 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.485	533593	4.990 ug/mlm
20)	T Dibenz[a,h]anthracene...	18.527	677070	5.536 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.739	684919	5.492 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015478.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 01:14
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

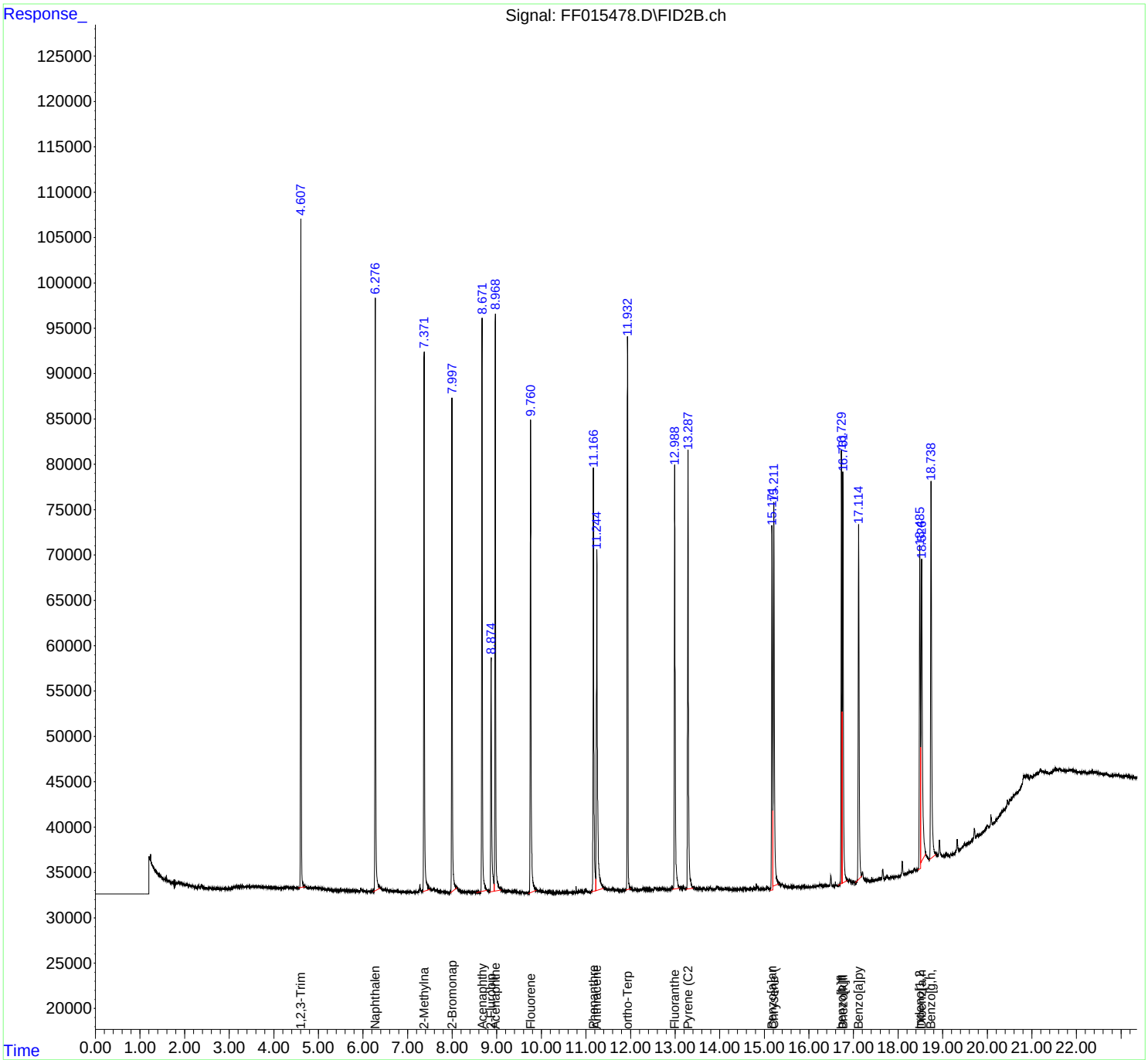
Integration File: sample.E
Quant Time: Feb 06 05:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 2025
Response via : Initial Calibration
Integrator: ChemStation

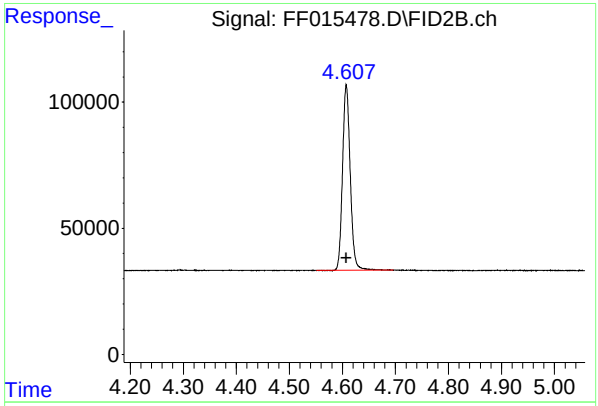
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025





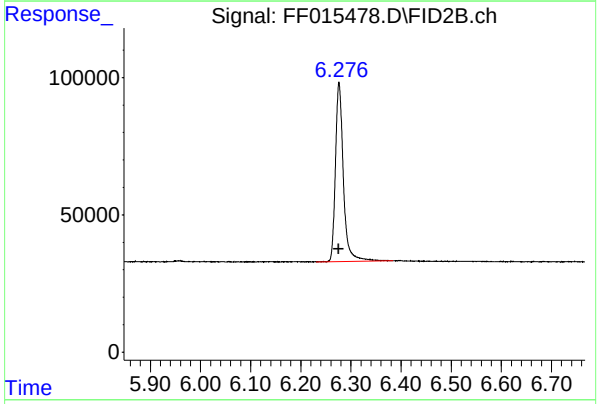
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.608 min
Delta R.T.: 0.000 min
Response: 742453
Conc: 5.54 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

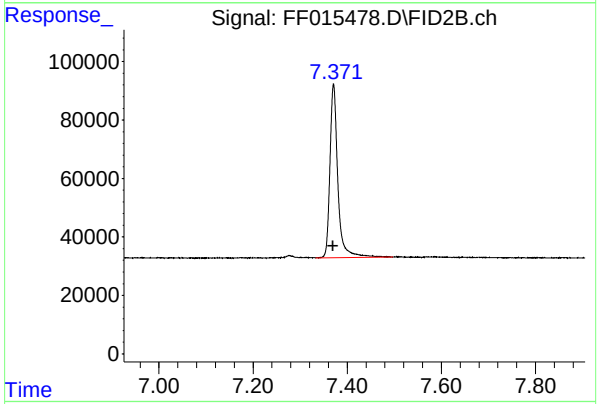
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



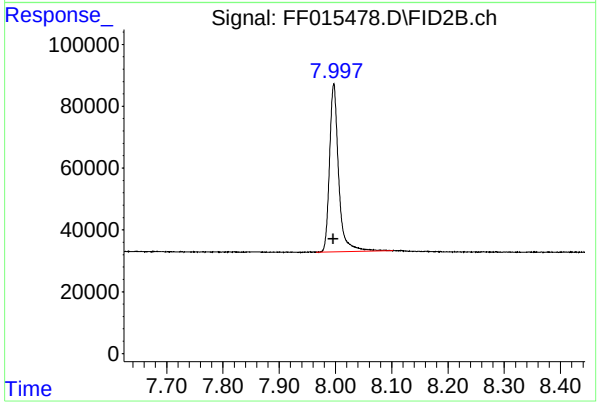
#2 Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 718999
Conc: 5.37 ug/ml



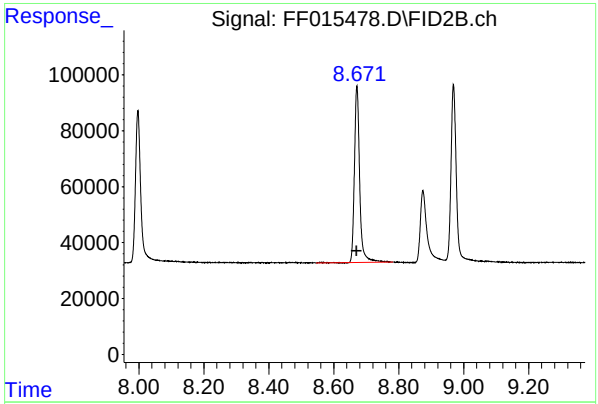
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.000 min
Response: 692891
Conc: 5.38 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 613728
Conc: 5.30 ug/ml



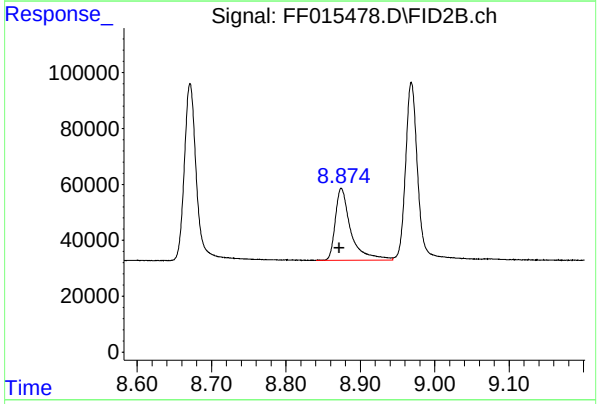
#5 Acenaphthylene (C15.06)

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 709723
Conc: 5.41 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

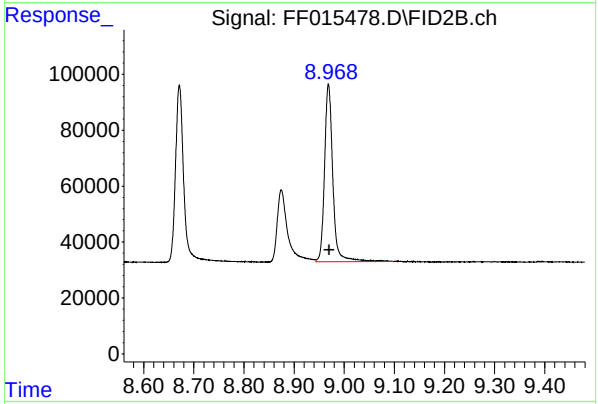
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



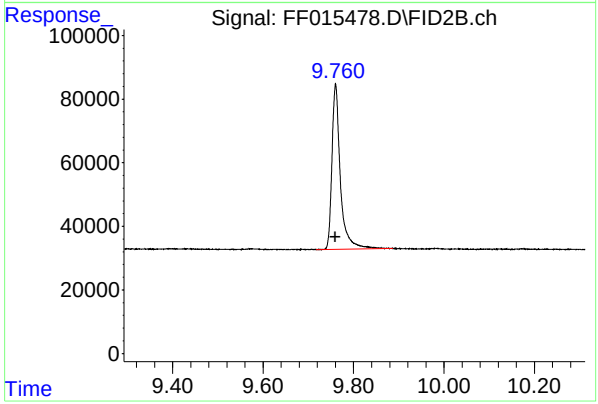
#6 2-Flurobiphenyl (SURR)

R.T.: 8.875 min
Delta R.T.: 0.003 min
Response: 374014
Conc: 5.04 ug/ml



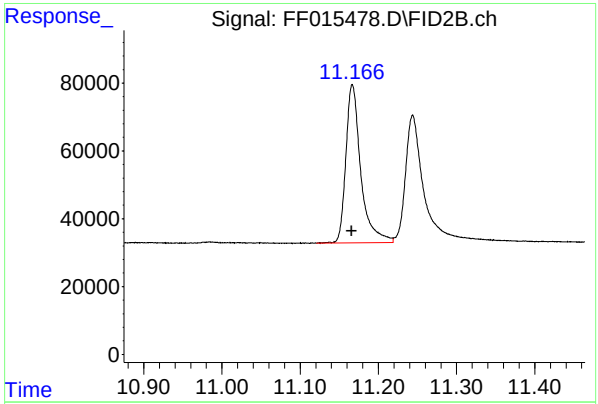
#7 Acenaphthene (C15.5)

R.T.: 8.969 min
Delta R.T.: -0.001 min
Response: 730856
Conc: 5.65 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 673789
Conc: 5.36 ug/ml



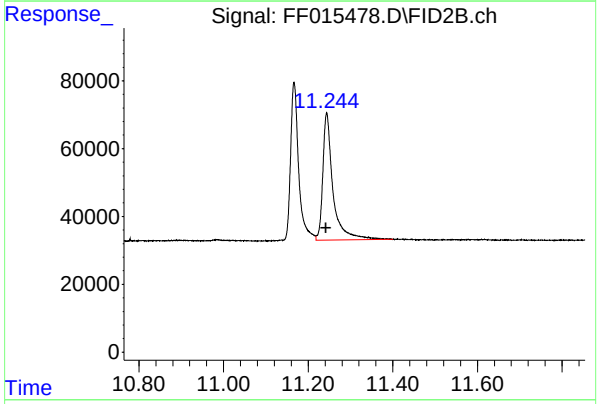
#9 Phenanthrene (C19.36)

R.T.: 11.167 min
Delta R.T.: 0.001 min
Response: 619613
Conc: 5.25 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

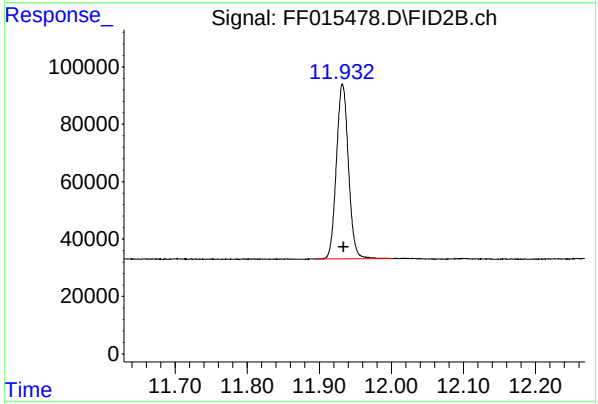
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



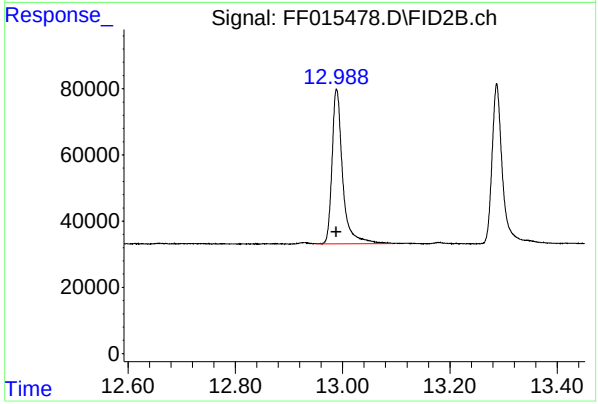
#10 Anthracene (C19.43)

R.T.: 11.244 min
Delta R.T.: 0.002 min
Response: 628678
Conc: 5.40 ug/ml



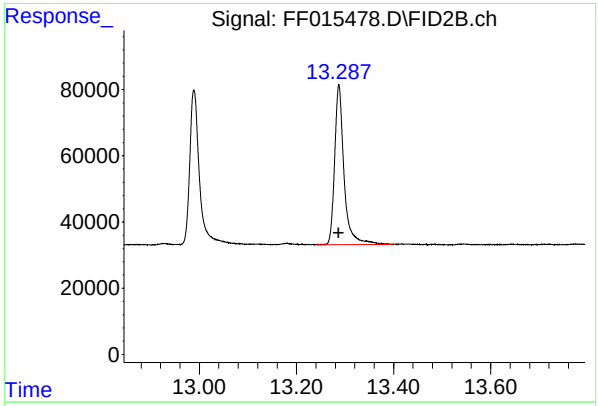
#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.002 min
Response: 707703
Conc: 5.57 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.989 min
Delta R.T.: 0.000 min
Response: 640439
Conc: 5.43 ug/ml



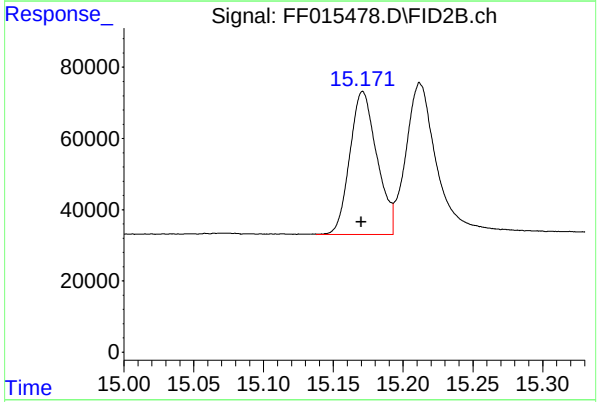
#13 Pyrene (C20.8)

R.T.: 13.287 min
Delta R.T.: 0.000 mi
Response: 650441
Conc: 5.50 ug/m

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

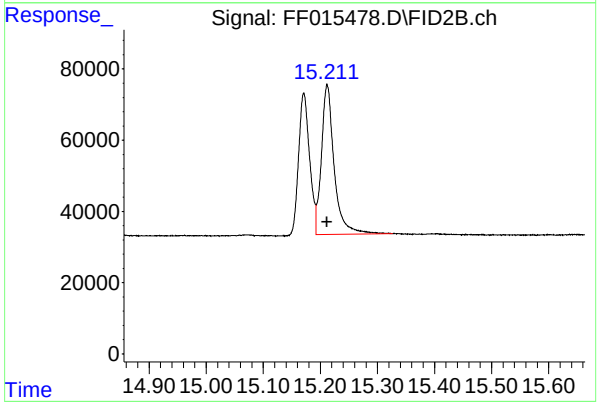
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



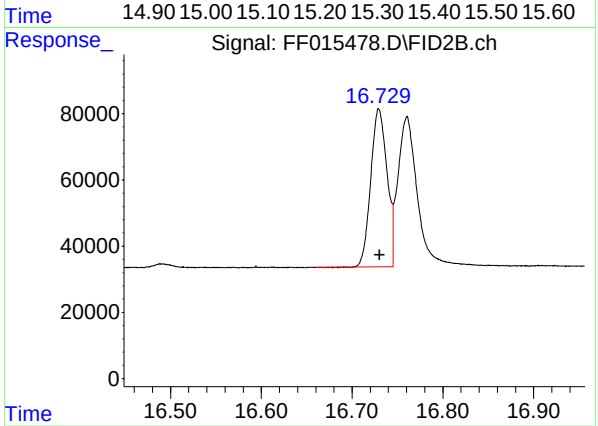
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.171 min
Delta R.T.: 0.001 min
Response: 543820
Conc: 5.08 ug/ml m



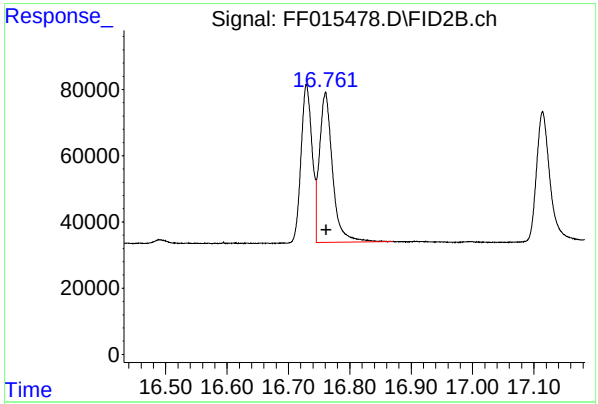
#15 Chrysene (C27.41)

R.T.: 15.212 min
Delta R.T.: 0.000 min
Response: 654073
Conc: 5.66 ug/ml



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

R.T.: 16.730 min
Delta R.T.: 0.000 min
Response: 591146
Conc: 5.23 ug/ml



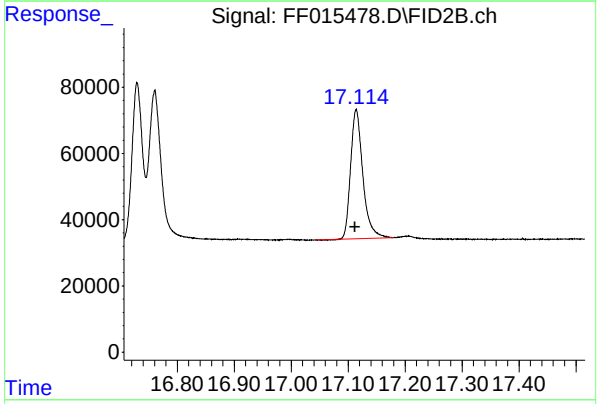
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.760 min
Delta R.T.: -0.001 mi
Response: 672811
Conc: 5.79 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

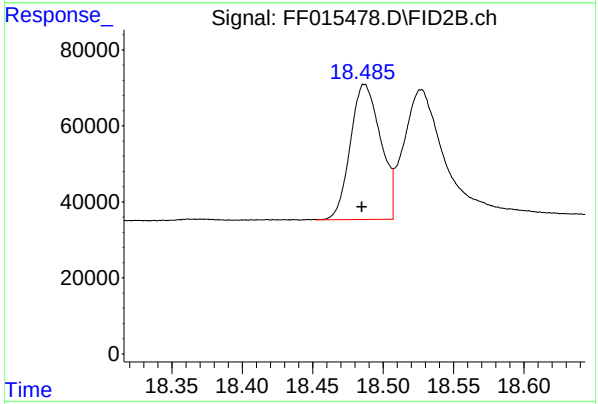
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025



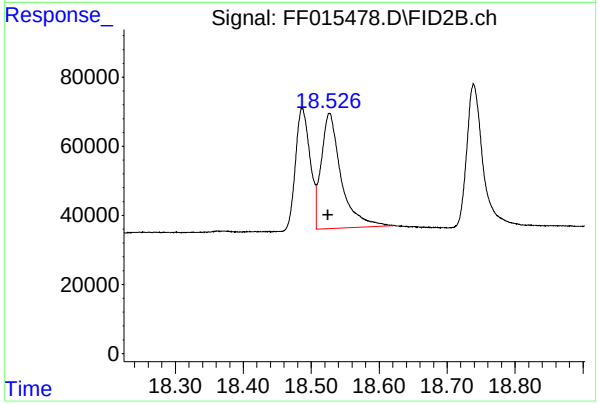
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.114 min
Delta R.T.: 0.002 min
Response: 582993
Conc: 5.33 ug/ml



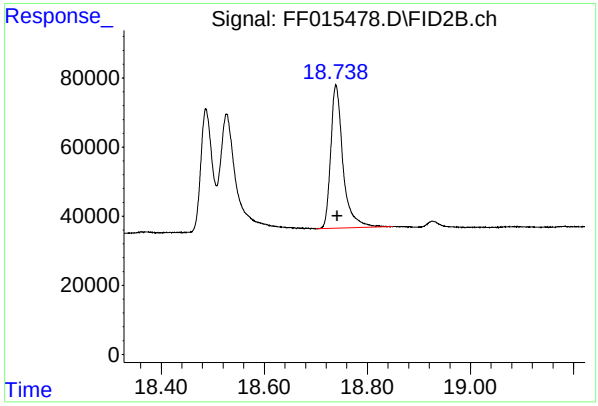
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.485 min
Delta R.T.: 0.000 min
Response: 533593
Conc: 4.99 ug/ml m



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

R.T.: 18.527 min
Delta R.T.: 0.002 min
Response: 677070
Conc: 5.54 ug/ml



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

R.T.: 18.739 min
Delta R.T.: -0.002 mir
Response: 684919
Conc: 5.49 ug/m

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Instrument :
FID_F
LabSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :Ankita Jodhani 02/06/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02052
Data File : FF015478.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 01:14
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.608	4.550	4.695	BB	73422	742453	100.00%	5.537%
2	6.277	6.230	6.384	BB	64846	718999	96.84%	5.362%
3	7.371	7.334	7.497	BB	59357	692891	93.32%	5.168%
4	7.997	7.965	8.102	BB	54374	613728	82.66%	4.577%
5	8.671	8.545	8.782	BB	63247	709723	95.59%	5.293%
6	8.875	8.840	8.944	BV	25646	374014	50.38%	2.789%
7	8.969	8.944	9.097	VB	63513	730856	98.44%	5.451%
8	9.760	9.717	9.887	BB	52039	673789	90.75%	5.025%
9	11.167	11.120	11.219	BV	46581	619613	83.45%	4.621%
10	11.244	11.219	11.400	VBA	37536	628678	84.68%	4.689%
11	11.932	11.895	12.002	BB	60919	707703	95.32%	5.278%
12	12.989	12.950	13.094	BB	46695	640439	86.26%	4.776%
13	13.287	13.240	13.399	BB	48367	650441	87.61%	4.851%
14	15.171	15.020	15.192	BV	39792	523163	70.46%	3.902%
15	15.212	15.192	15.327	VB	42152	654073	88.10%	4.878%
16	16.730	16.660	16.745	BV	47519	591146	79.62%	4.409%
17	16.760	16.745	16.870	VBA	45295	672811	90.62%	5.018%
18	17.114	17.044	17.179	BV	39048	582993	78.52%	4.348%
19	18.487	18.425	18.507	BV	35027	518817	69.88%	3.869%
20	18.527	18.507	18.620	VBA	33284	677070	91.19%	5.050%
21	18.739	18.700	18.850	BBA	41429	684919	92.25%	5.108%
			Sum of corrected areas:			13408321		

Aromatic EPH 020525.M Thu Feb 06 05:40:48 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015479.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 01:42
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: sample.E
Quant Time: Feb 06 05:05:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 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...	7.996	2544202	21.974 ug/ml
Spiked Amount	50.000		Recovery =	43.95%
6) S	2-Flurobiphenyl (SURR)	8.872	1613947	21.758 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	43.52%
11) S	ortho-Terphenyl (SURR)	11.934	2756362	21.703 ug/ml
Spiked Amount	50.000		Recovery =	43.41%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.608	2921215	21.787 ug/ml
2) T	Naphthalene (C11.7)	6.276	2914913	21.775 ug/ml
3) T	2-Methylnaphthalene (...	7.370	2804089	21.762 ug/ml
5) T	Acenaphthylene (C15.06)	8.672	2838063	21.641 ug/ml
7) T	Acenaphthene (C15.5)	8.970	2807806	21.725 ug/ml
8) T	Flouorene (C16.55)	9.760	2729499	21.717 ug/ml
9) T	Phenanthrene (C19.36)	11.166	2558486	21.674 ug/ml
10) T	Anthracene (C19.43)	11.242	2529927	21.719 ug/ml
12) T	Fluoranthene (C21.85)	12.989	2556882	21.695 ug/ml
13) T	Pyrene (C20.8)	13.288	2567814	21.721 ug/ml
14) T	Benzo[a]anthracene (C...	15.170	2309487	21.576 ug/ml
15) T	Chrysene (C27.41)	15.212	2495367	21.576 ug/ml
16) T	benzo[b]fluoranthene ...	16.730	2446803	21.663 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.762	2534445	21.811 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.112	2373012	21.694 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.486	2291637	21.429 ug/ml
20) T	Dibenz[a,h]anthracene...	18.524	2600397	21.261 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.741	2698284	21.635 ug/ml

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

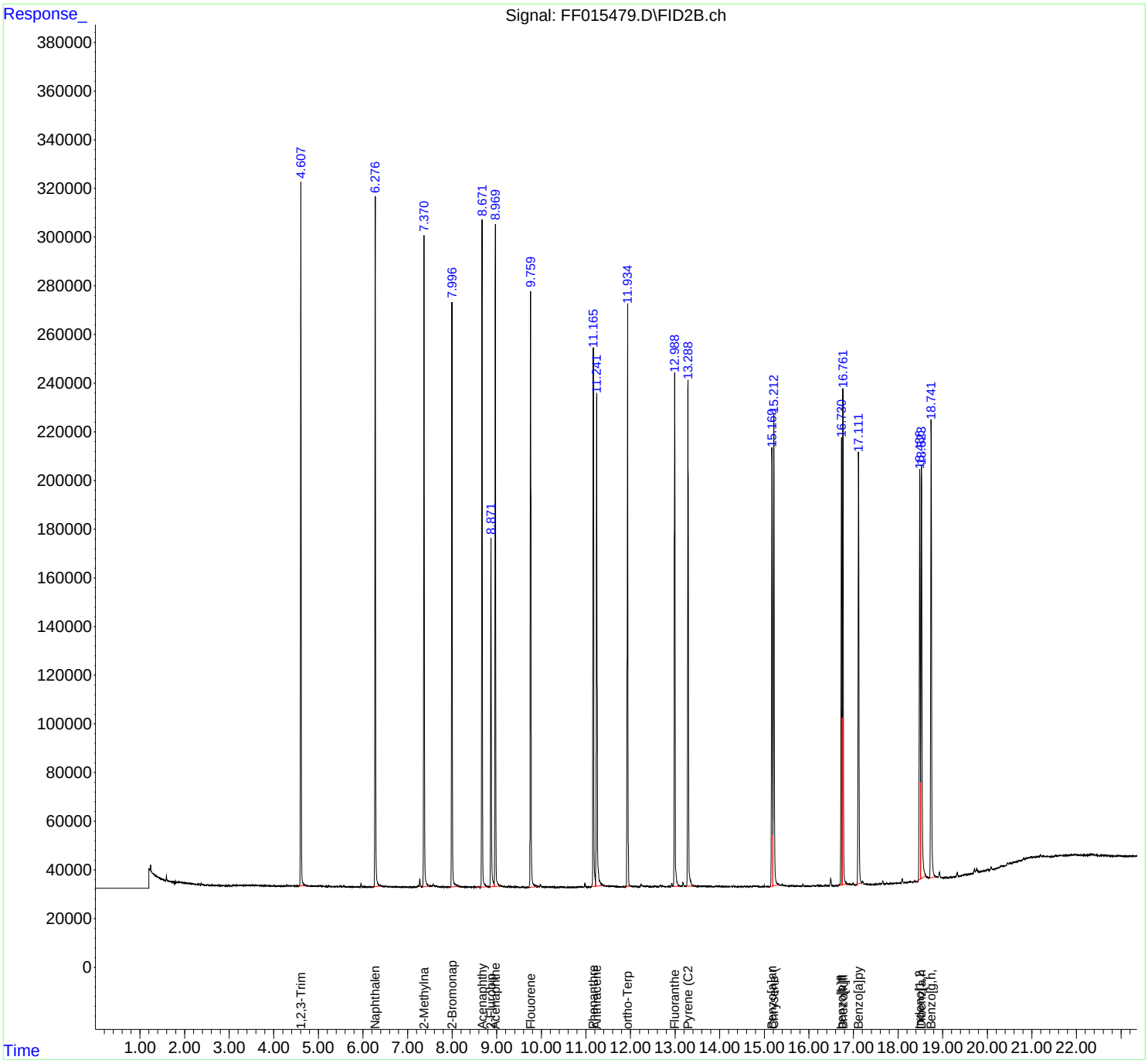
Quantitation Report (QT Reviewed)

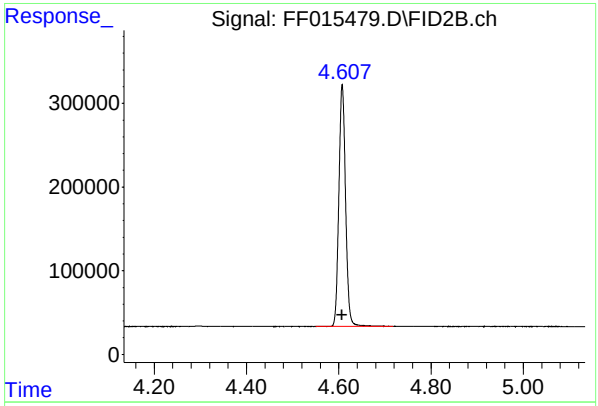
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015479.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 01:42
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: sample.E
Quant Time: Feb 06 05:05:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:02:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

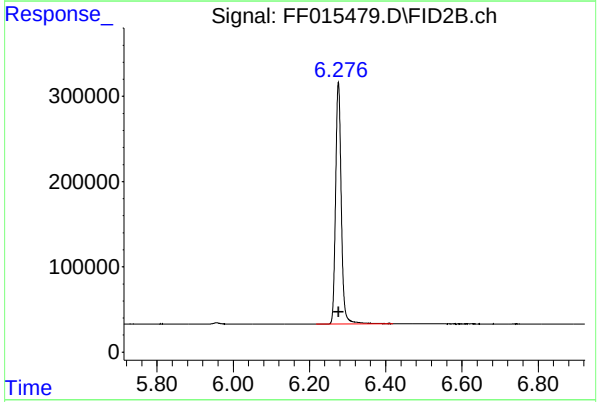




#1 1,2,3-Trimethylbenzene (C10.1)

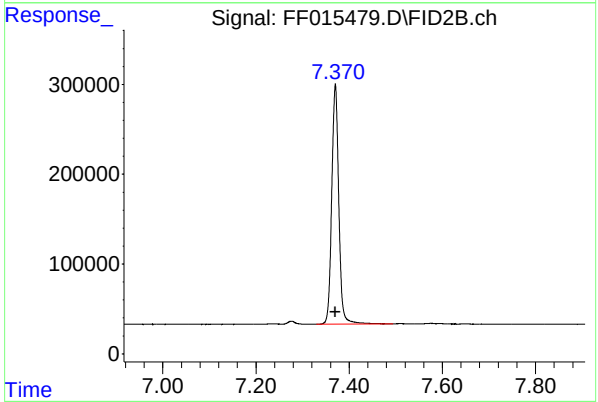
R.T.: 4.608 min
Delta R.T.: 0.000 min
Response: 2921215
Conc: 21.79 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



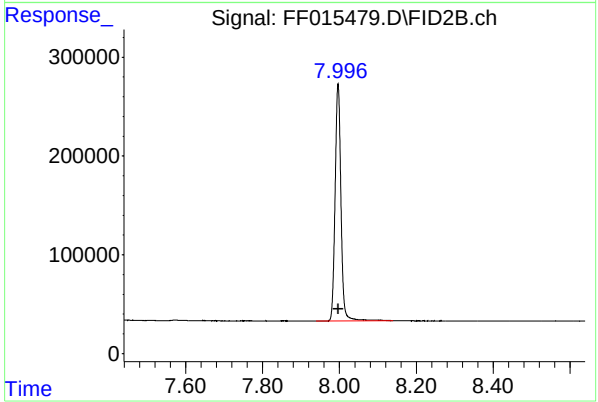
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 2914913
Conc: 21.78 ug/ml



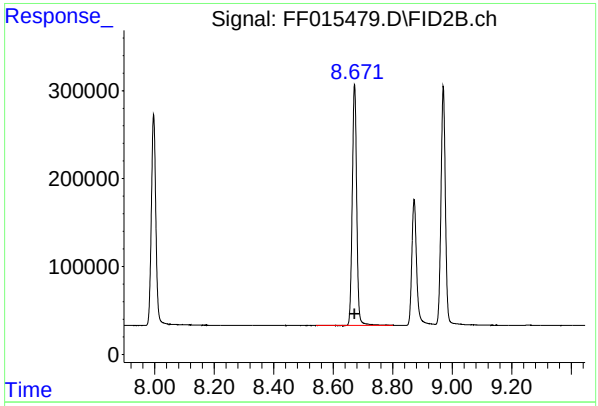
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 2804089
Conc: 21.76 ug/ml



#4 2-Bromonaphthalene (SURR)

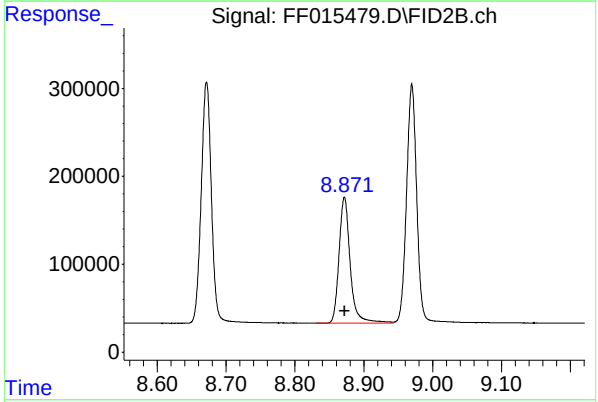
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 2544202
Conc: 21.97 ug/ml



#5 Acenaphthylene (C15.06)

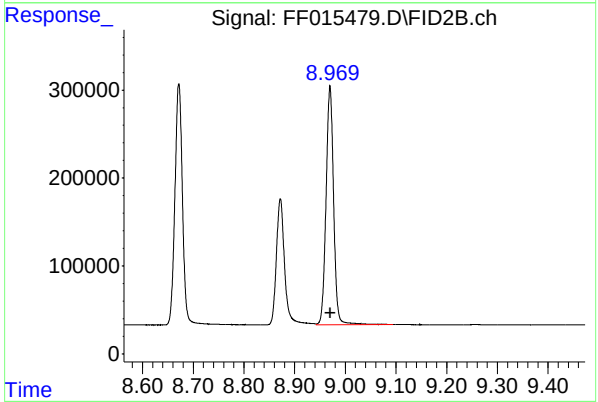
R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 2838063
Conc: 21.64 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



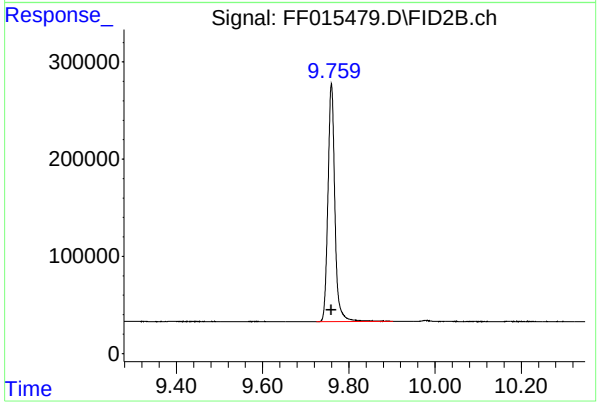
#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 1613947
Conc: 21.76 ug/ml



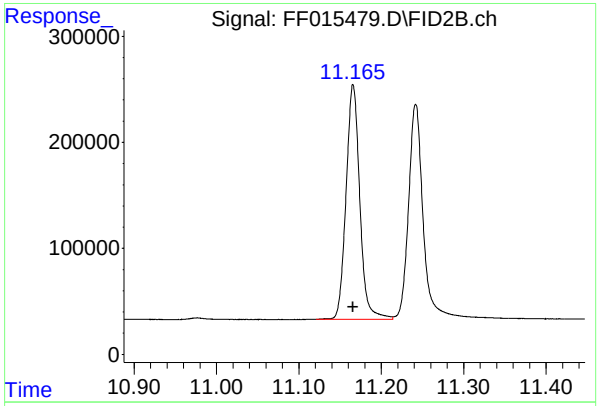
#7 Acenaphthene (C15.5)

R.T.: 8.970 min
Delta R.T.: 0.000 min
Response: 2807806
Conc: 21.73 ug/ml



#8 Flouorene (C16.55)

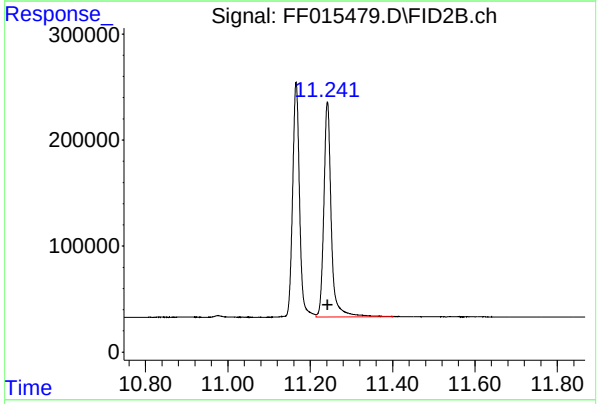
R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 2729499
Conc: 21.72 ug/ml



#9 Phenanthrene (C19.36)

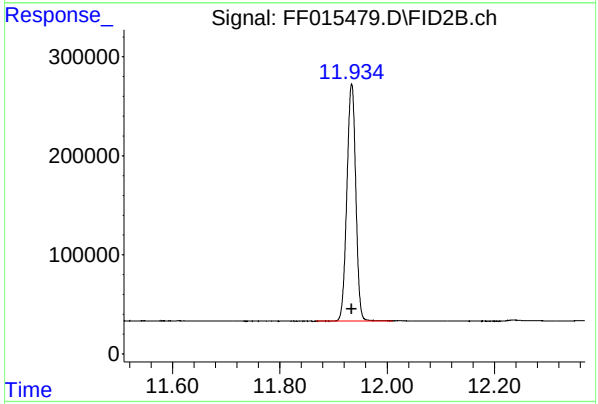
R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 2558486
Conc: 21.67 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



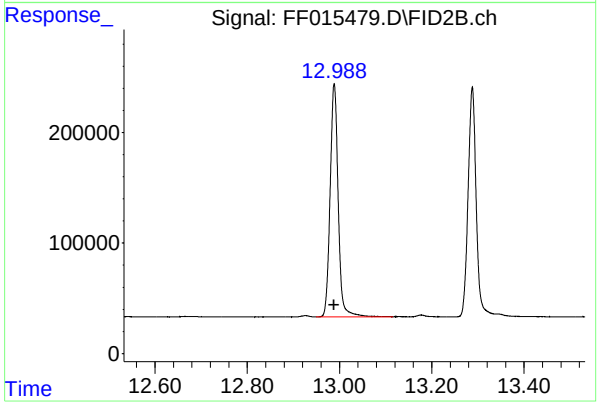
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: 0.000 min
Response: 2529927
Conc: 21.72 ug/ml



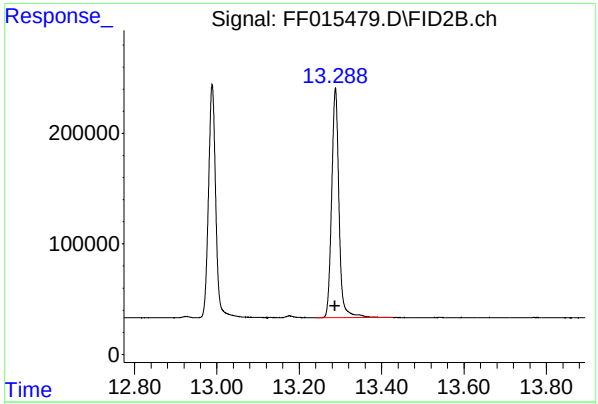
#11 ortho-Terphenyl (SURR)

R.T.: 11.934 min
Delta R.T.: 0.000 min
Response: 2756362
Conc: 21.70 ug/ml



#12 Fluoranthene (C21.85)

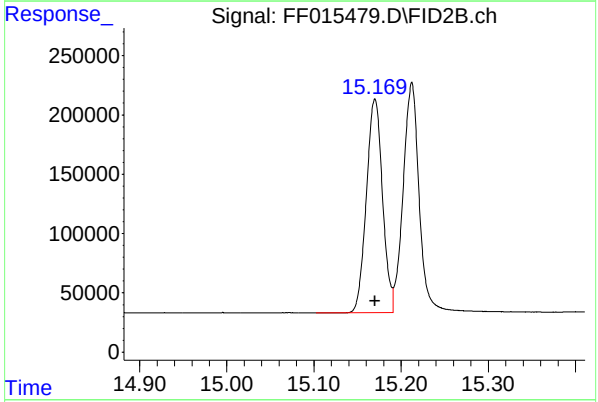
R.T.: 12.989 min
Delta R.T.: 0.000 min
Response: 2556882
Conc: 21.69 ug/ml



#13 Pyrene (C20.8)

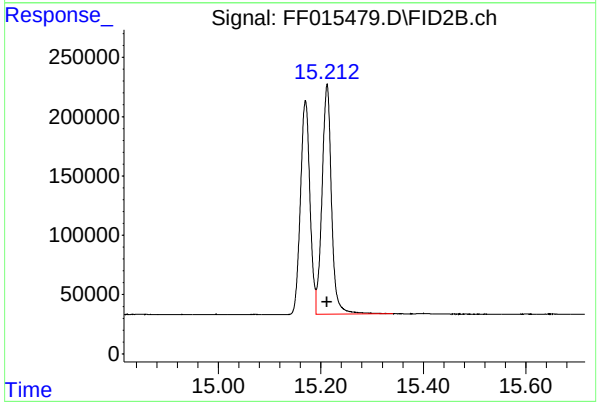
R.T.: 13.288 min
Delta R.T.: 0.000 min
Response: 2567814
Conc: 21.72 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



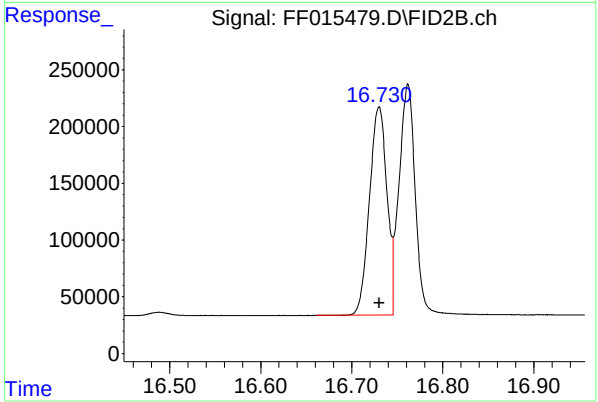
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.170 min
Delta R.T.: 0.000 min
Response: 2309487
Conc: 21.58 ug/ml



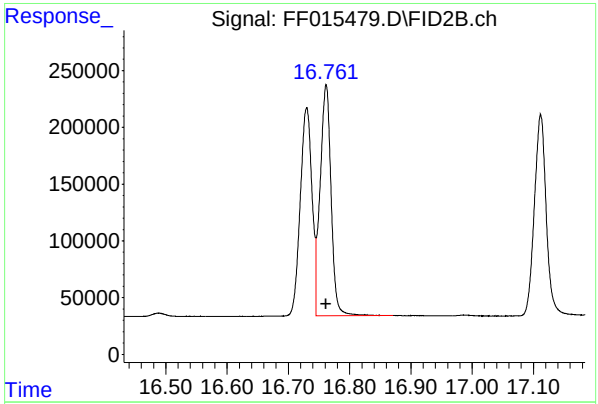
#15 Chrysene (C27.41)

R.T.: 15.212 min
Delta R.T.: 0.000 min
Response: 2495367
Conc: 21.58 ug/ml



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

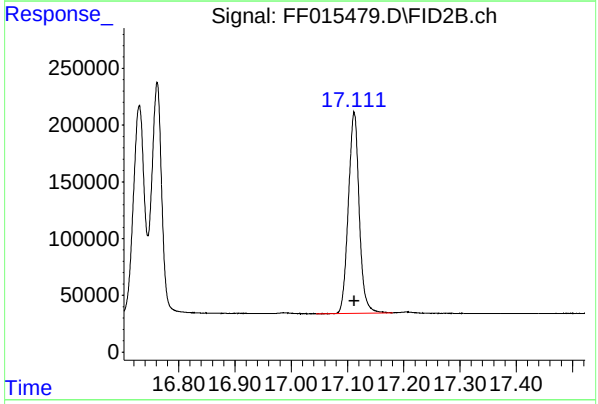
R.T.: 16.730 min
Delta R.T.: 0.000 min
Response: 2446803
Conc: 21.66 ug/ml



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

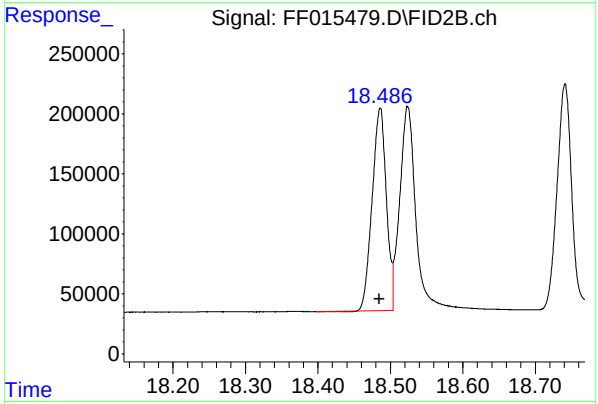
R.T.: 16.762 min
Delta R.T.: 0.000 min
Response: 2534445
Conc: 21.81 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



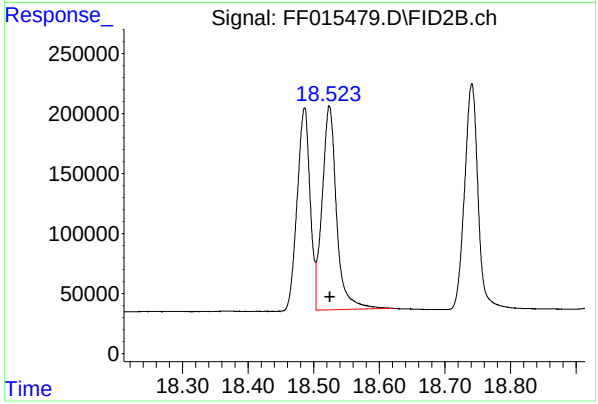
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.112 min
Delta R.T.: 0.000 min
Response: 2373012
Conc: 21.69 ug/ml



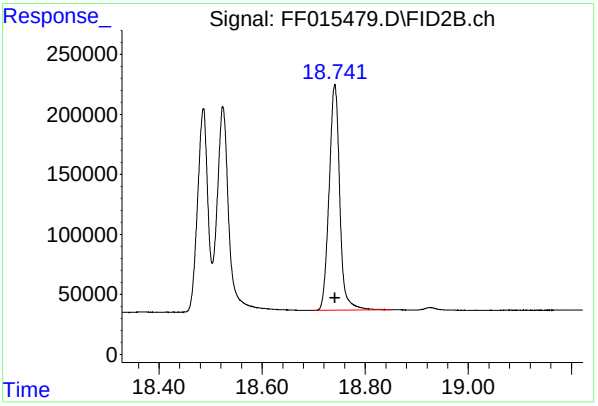
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.486 min
Delta R.T.: 0.000 min
Response: 2291637
Conc: 21.43 ug/ml



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

R.T.: 18.524 min
Delta R.T.: 0.000 min
Response: 2600397
Conc: 21.26 ug/ml



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

R.T.: 18.741 min
Delta R.T.: 0.000 mi
Response: 2698284
Conc: 21.64 ug/m

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020525AR\
Data File : FF015479.D
Signal(s) : FID2B.ch
Acq On : 06 Feb 2025 01:42
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.608	4.551	4.717	BB	288641	2921215	100.00%	5.420%
2	6.276	6.217	6.419	BB	283482	2914913	99.78%	5.409%
3	7.370	7.329	7.494	BV	267390	2804089	95.99%	5.203%
4	7.996	7.939	8.139	BB	239925	2544202	87.09%	4.721%
5	8.672	8.542	8.801	BB	274533	2838063	97.15%	5.266%
6	8.872	8.831	8.942	BV	143447	1613947	55.25%	2.995%
7	8.970	8.942	9.094	VB	271290	2807806	96.12%	5.210%
8	9.760	9.724	9.902	BB	244599	2729499	93.44%	5.065%
9	11.166	11.121	11.214	BV	221388	2558486	87.58%	4.747%
10	11.242	11.214	11.401	VBA	203006	2529927	86.61%	4.694%
11	11.934	11.867	12.011	BB	239503	2756362	94.36%	5.115%
12	12.989	12.949	13.116	PB	211344	2556882	87.53%	4.744%
13	13.288	13.241	13.427	BB	207560	2567814	87.90%	4.765%
14	15.170	15.102	15.191	BV	180479	2309487	79.06%	4.285%
15	15.212	15.191	15.341	VBA	194525	2495367	85.42%	4.630%
16	16.730	16.661	16.745	BV	184276	2446803	83.76%	4.540%
17	16.762	16.745	16.871	VBA	203713	2534445	86.76%	4.703%
18	17.112	17.044	17.181	BV	176895	2373012	81.23%	4.403%
19	18.486	18.397	18.504	BV	168944	2291637	78.45%	4.252%
20	18.524	18.504	18.621	VBA	169512	2600397	89.02%	4.825%
21	18.741	18.701	18.850	BBA	187935	2698284	92.37%	5.007%
			Sum of corrected areas:			53892635		

Aromatic EPH 020525.M Thu Feb 06 05:41:21 2025

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

Continuing Calibration Report for SequenceID : FC020725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068228.D**						
Aliphatic C9-C12	9027403.000	60.000	3.111	6.377	150456.717	138488.174	-8.642
Aliphatic C12-C16	5773976.000	40.000	6.378	9.762	144349.400	137713.071	-4.819
Aliphatic C16-C21	8274019.000	60.000	9.763	13.116	137900.317	135019.289	-2.134
Aliphatic C21-C28	10419562.000	80.000	13.117	16.769	130244.525	127207.526	-2.387
Aliphatic C28-C40	12969883.000	120.000	16.770	21.574	108082.358	103638.860	-4.287
Aliphatic EPH	46464843.000	360.000	3.111	21.574	129069.008	123700.655	-4.340

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:	07 Feb 2025 11:18
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068228.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.111	6.377	9027403.000	60.000	ug/ml
Aliphatic C12-C16	6.378	9.762	5773976.000	40.000	ug/ml
Aliphatic C16-C21	9.763	13.116	8274019.000	60.000	ug/ml
Aliphatic C21-C28	13.117	16.769	10419562.000	80.000	ug/ml
Aliphatic C28-C40	16.770	21.574	12969883.000	120.000	ug/ml
Aliphatic EPH	3.111	21.574	46464843.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068228.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:18
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:12:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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)	11.405	3174338	20.314 ug/ml
Spiked Amount	50.000		Recovery =	40.63%
12) S	1-chlorooctadecane (S...	12.846	2351798	20.450 ug/ml
Spiked Amount	50.000		Recovery =	40.90%
	Target Compounds			
1) T	n-Nonane (C9)	3.210	2991920	21.849 ug/ml
2) T	n-Decane (C10)	4.268	3034666	21.858 ug/ml
3) T	A~Naphthalene (C11.7)	5.836	3294908	21.948 ug/ml
4) T	n-Dodecane (C12)	6.277	3000817	21.481 ug/ml
5) T	A~2-methylnaphthalene...	6.887	3132118	21.806 ug/mlm
6) T	n-Tetradecane (C14)	8.066	2882407	21.120 ug/ml
7) T	n-Hexadecane (C16)	9.661	2891569	20.810 ug/ml
8) T	n-Octadecane (C18)	11.100	2877649	20.567 ug/ml
10) T	n-Eicosane (C20)	12.405	2729181	20.397 ug/ml
11) T	n-Heneicosane (C21)	13.016	2667189	20.308 ug/ml
13) T	n-Docosane (C22)	13.601	2650455	20.461 ug/mlm
14) T	n-Tetracosane (C24)	14.702	2628529	20.474 ug/ml
15) T	n-Hexacosane (C26)	15.721	2586636	20.555 ug/ml
16) T	n-Octacosane (C28)	16.669	2553942	20.420 ug/ml
17) T	n-Tricontane (C30)	17.555	2610983	20.200 ug/ml
18) T	n-Dotriacontane (C32)	18.386	2522260	20.176 ug/ml
19) T	n-Tetratriacontane (C34)	19.169	2226781	20.528 ug/ml
20) T	n-Hexatriacontane (C36)	19.906	1937088	20.932 ug/ml
21) T	n-Octatriacontane (C38)	20.619	1841035	21.485 ug/ml
22) T	n-Tetracontane (C40)	21.474	1831736	22.653 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068228.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:18
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

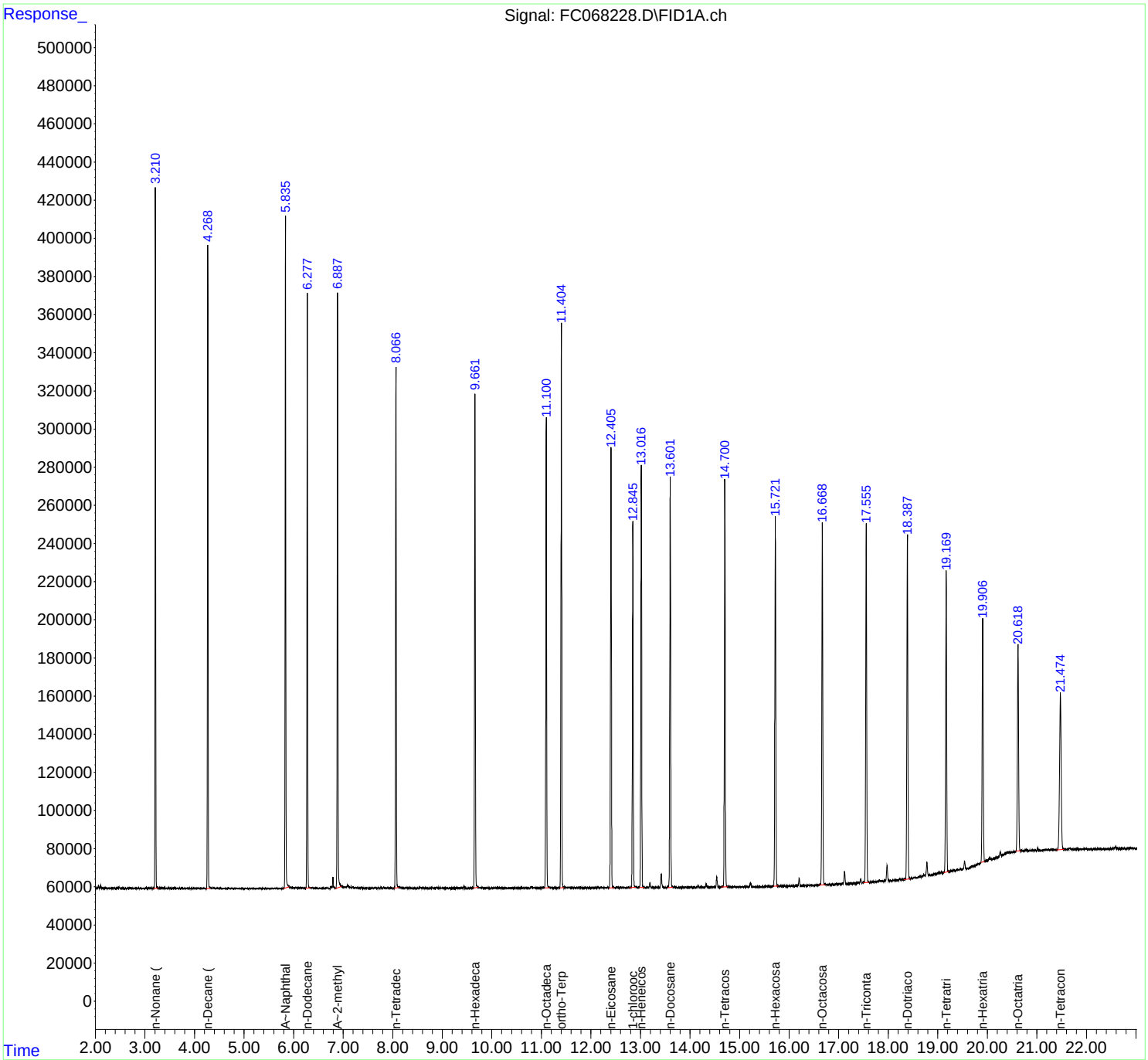
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:12:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02072
Data File : FC068228.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:18
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.210	3.178	3.268	BB	365405	2991920	90.80%	5.131%
2	4.268	4.235	4.321	BB	337021	3034666	92.10%	5.204%
3	5.836	5.805	5.911	BB	348286	3294908	100.00%	5.651%
4	6.277	6.241	6.338	BB	311752	3000817	91.07%	5.146%
5	6.888	6.861	6.978	BB	311892	3099374	94.07%	5.315%
6	8.066	8.031	8.128	BB	270484	2882407	87.48%	4.943%
7	9.661	9.625	9.721	BB	259341	2891569	87.76%	4.959%
8	11.100	11.061	11.168	BB	248792	2877649	87.34%	4.935%
9	11.405	11.368	11.458	BB	294712	3174338	96.34%	5.444%
10	12.405	12.365	12.465	BB	230921	2729181	82.83%	4.680%
11	12.846	12.781	12.908	BB	191369	2351798	71.38%	4.033%
12	13.016	12.978	13.078	BB	217806	2667189	80.95%	4.574%
13	13.601	13.528	13.665	BB	215249	2660217	80.74%	4.562%
14	14.702	14.638	14.761	BB	211538	2628529	79.78%	4.508%
15	15.721	15.681	15.785	BB	193533	2586636	78.50%	4.436%
16	16.669	16.598	16.731	BB	188301	2553942	77.51%	4.380%
17	17.555	17.498	17.611	BB	187343	2610983	79.24%	4.478%
18	18.386	18.318	18.441	BB	179155	2522260	76.55%	4.325%
19	19.169	19.121	19.228	BB	155676	2226781	67.58%	3.819%
20	19.906	19.871	19.945	BB	127910	1937088	58.79%	3.322%
21	20.619	20.581	20.671	BB	108540	1841035	55.88%	3.157%
22	21.475	21.431	21.548	BB	80486	1748401	53.06%	2.998%
			Sum of corrected areas:			58311686		

Aliphatic EPH 012425.M Fri Feb 07 23:02:44 2025

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

Continuing Calibration Report for SequenceID : FC020725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068240.D**						
Aliphatic C9-C12	8449016.000	60.000	3.111	6.377	140816.933	138488.174	-1.682
Aliphatic C12-C16	5420105.000	40.000	6.378	9.762	135502.625	137713.071	1.605
Aliphatic C16-C21	7812642.000	60.000	9.763	13.116	130210.700	135019.289	3.561
Aliphatic C21-C28	9849125.000	80.000	13.117	16.769	123114.063	127207.526	3.218
Aliphatic C28-C40	12364276.000	120.000	16.770	21.574	103035.633	103638.860	0.582
Aliphatic EPH	43895164.000	360.000	3.111	21.574	121931.011	123700.655	1.431

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:	07 Feb 2025 19:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068240.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.111	6.377	8449016.000	60.000	ug/ml
Aliphatic C12-C16	6.378	9.762	5420105.000	40.000	ug/ml
Aliphatic C16-C21	9.763	13.116	7812642.000	60.000	ug/ml
Aliphatic C21-C28	13.117	16.769	9849125.000	80.000	ug/ml
Aliphatic C28-C40	16.770	21.574	12364276.000	120.000	ug/ml
Aliphatic EPH	3.111	21.574	43895164.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068240.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 19:09
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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)	11.402	2982697	19.087 ug/ml
Spiked Amount	50.000		Recovery =	38.17%
12) S	1-chlorooctadecane (S...	12.844	2339825	20.346 ug/mlm
Spiked Amount	50.000		Recovery =	40.69%
	Target Compounds			
1) T	n-Nonane (C9)	3.209	2804026	20.477 ug/ml
2) T	n-Decane (C10)	4.267	2839124	20.450 ug/ml
3) T	A~Naphthalene (C11.7)	5.834	3078534	20.506 ug/ml
4) T	n-Dodecane (C12)	6.275	2805866	20.085 ug/ml
5) T	A~2-methylnaphthalene...	6.887	2880784	20.057 ug/ml
6) T	n-Tetradecane (C14)	8.064	2699405	19.779 ug/ml
7) T	n-Hexadecane (C16)	9.660	2720700	19.581 ug/ml
8) T	n-Octadecane (C18)	11.097	2713632	19.395 ug/ml
10) T	n-Eicosane (C20)	12.403	2578934	19.274 ug/ml
11) T	n-Heneicosane (C21)	13.013	2520076	19.187 ug/ml
13) T	n-Docosane (C22)	13.598	2502862	19.322 ug/mlm
14) T	n-Tetracosane (C24)	14.699	2485807	19.362 ug/ml
15) T	n-Hexacosane (C26)	15.717	2444176	19.423 ug/ml
16) T	n-Octacosane (C28)	16.665	2416280	19.319 ug/ml
17) T	n-Tricontane (C30)	17.552	2482304	19.205 ug/ml
18) T	n-Dotriacontane (C32)	18.381	2399414	19.194 ug/ml
19) T	n-Tetratriacontane (C34)	19.165	2119778	19.542 ug/ml
20) T	n-Hexatriacontane (C36)	19.905	1843070	19.916 ug/mlm
21) T	n-Octatriacontane (C38)	20.618	1773791	20.701 ug/mlm
22) T	n-Tetracontane (C40)	21.468	1745919	21.592 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068240.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 19:09
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

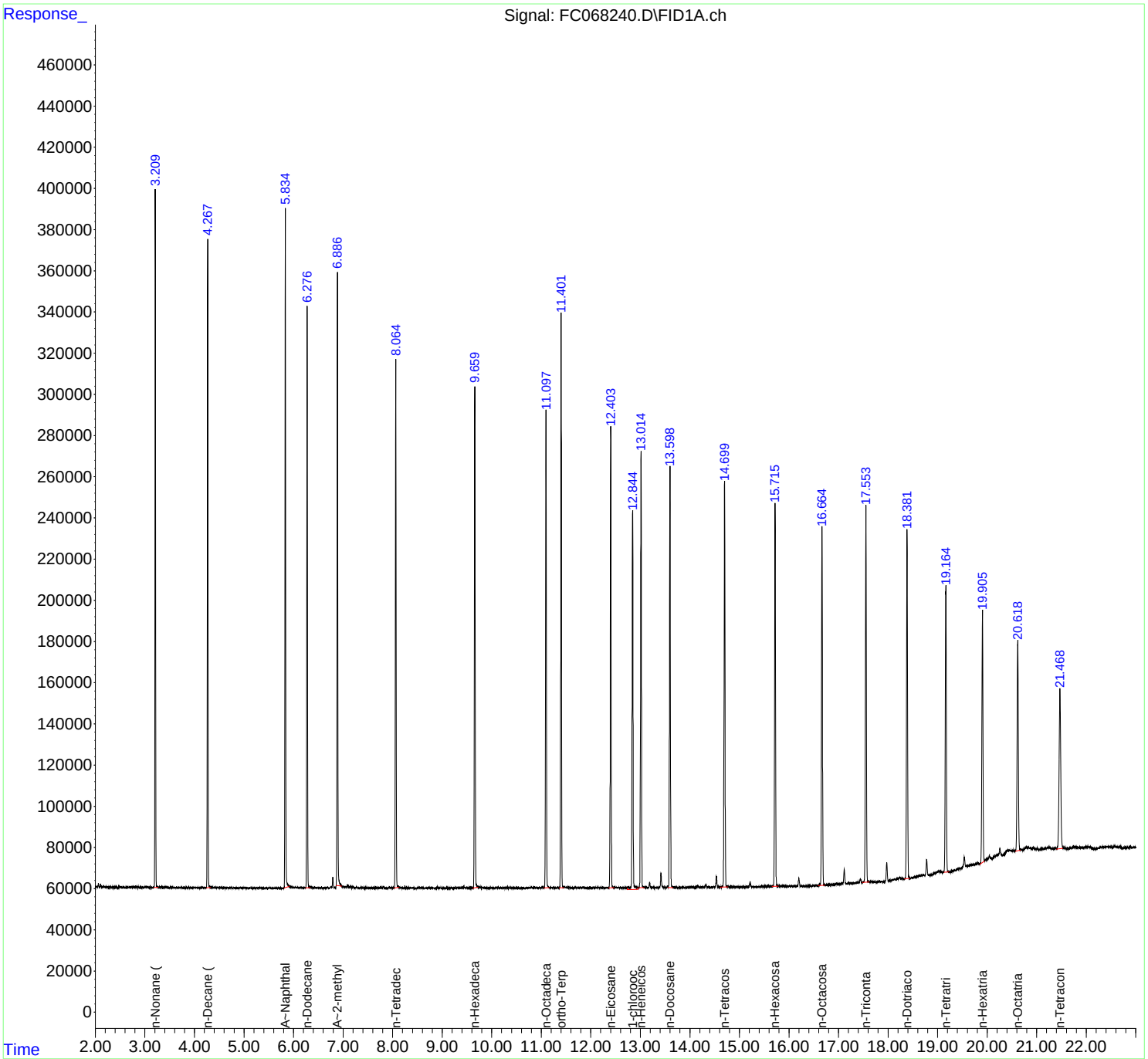
Integration File: autoint1.e
Quant Time: Feb 07 22:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02072
Data File : FC068240.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 19:09
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.210	3.181	3.274	BB	336361	2804026	91.08%	5.114%
2	4.267	4.238	4.331	BB	312242	2839124	92.22%	5.178%
3	5.834	5.804	5.911	BB	329809	3078534	100.00%	5.614%
4	6.275	6.241	6.341	BB	281469	2805866	91.14%	5.117%
5	6.887	6.861	6.974	BB	295276	2880784	93.58%	5.254%
6	8.064	8.028	8.131	BB	256135	2699405	87.68%	4.923%
7	9.660	9.621	9.731	BB	242250	2720700	88.38%	4.962%
8	11.097	11.054	11.164	BB	231495	2713632	88.15%	4.949%
9	11.402	11.364	11.461	BB	278554	2982697	96.89%	5.440%
10	12.403	12.361	12.468	BB	222851	2578934	83.77%	4.703%
11	12.844	12.781	12.908	BB	183369	2213307	71.89%	4.036%
12	13.013	12.974	13.078	BB	211506	2520076	81.86%	4.596%
13	13.599	13.521	13.664	BB	199884	2506561	81.42%	4.571%
14	14.699	14.618	14.764	BB	194292	2485807	80.75%	4.533%
15	15.717	15.654	15.784	BB	182398	2444176	79.39%	4.457%
16	16.665	16.584	16.724	BB	173723	2416280	78.49%	4.407%
17	17.552	17.481	17.621	BB	182951	2482304	80.63%	4.527%
18	18.381	18.324	18.441	BB	167408	2399414	77.94%	4.376%
19	19.165	19.121	19.234	BB	138630	2119778	68.86%	3.866%
20	19.905	19.871	19.943	BB	122410	1817095	59.02%	3.314%
21	20.616	20.581	20.668	BB	101801	1733197	56.30%	3.161%
22	21.468	21.431	21.528	BB	74701	1591868	51.71%	2.903%
			Sum of corrected areas:			54833564		

Aliphatic EPH 012425.M Fri Feb 07 23:04:42 2025

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

Continuing Calibration Report for SequenceID : FC021025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068243.D**						
Aliphatic C9-C12	6603240.000	60.000	3.108	6.374	110054.000	138488.174	20.532
Aliphatic C12-C16	4403176.000	40.000	6.375	9.758	110079.400	137713.071	20.066
Aliphatic C16-C21	6486511.000	60.000	9.759	13.112	108108.517	135019.289	19.931
Aliphatic C21-C28	8782156.000	80.000	13.113	16.764	109776.950	127207.526	13.702
Aliphatic C28-C40	13232151.000	120.000	16.765	21.564	110267.925	103638.860	-6.396
Aliphatic EPH	39507234.000	360.000	3.108	21.564	109742.317	123700.655	11.284

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:	10 Feb 2025 10:19
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068243.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.108	6.374	6603240.000	60.000	ug/ml
Aliphatic C12-C16	6.375	9.758	4403176.000	40.000	ug/ml
Aliphatic C16-C21	9.759	13.112	6486511.000	60.000	ug/ml
Aliphatic C21-C28	13.113	16.764	8782156.000	80.000	ug/ml
Aliphatic C28-C40	16.765	21.564	13232151.000	120.000	ug/ml
Aliphatic EPH	3.108	21.564	39507234.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068243.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 10:19
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 10 23:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.399	2553308	16.339 ug/mlm
Spiked Amount	50.000		Recovery =	32.68%
12) S	1-chlorooctadecane (S...	12.843	1857030	16.148 ug/mlm
Spiked Amount	50.000		Recovery =	32.30%
	Target Compounds			
1) T	n-Nonane (C9)	3.208	2144745	15.663 ug/ml
2) T	n-Decane (C10)	4.266	2232281	16.079 ug/ml
3) T	A~Naphthalene (C11.7)	5.833	2411896	16.066 ug/ml
4) T	n-Dodecane (C12)	6.274	2226214	15.936 ug/ml
5) T	A~2-methylnaphthalene...	6.885	2271088	15.812 ug/ml
6) T	n-Tetradecane (C14)	8.063	2176302	15.946 ug/ml
7) T	n-Hexadecane (C16)	9.658	2226874	16.027 ug/ml
8) T	n-Octadecane (C18)	11.095	2239582	16.007 ug/ml
10) T	n-Eicosane (C20)	12.401	2144628	16.028 ug/ml
11) T	n-Heneicosane (C21)	13.012	2102301	16.007 ug/ml
13) T	n-Docosane (C22)	13.597	2108892	16.281 ug/ml
14) T	n-Tetracosane (C24)	14.697	2154544	16.782 ug/ml
15) T	n-Hexacosane (C26)	15.715	2164931	17.204 ug/ml
16) T	n-Octacosane (C28)	16.664	2353789	18.819 ug/ml
17) T	n-Tricontane (C30)	17.550	2754877	21.313 ug/ml
18) T	n-Dotriacontane (C32)	18.380	2844188	22.751 ug/ml
19) T	n-Tetratriacontane (C34)	19.163	2425832	22.363 ug/ml
20) T	n-Hexatriacontane (C36)	19.900	1953284	21.107 ug/mlm
21) T	n-Octatriacontane (C38)	20.609	1702516	19.869 ug/mlm
22) T	n-Tetracontane (C40)	21.464	1551454	19.187 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068243.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 10:19
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

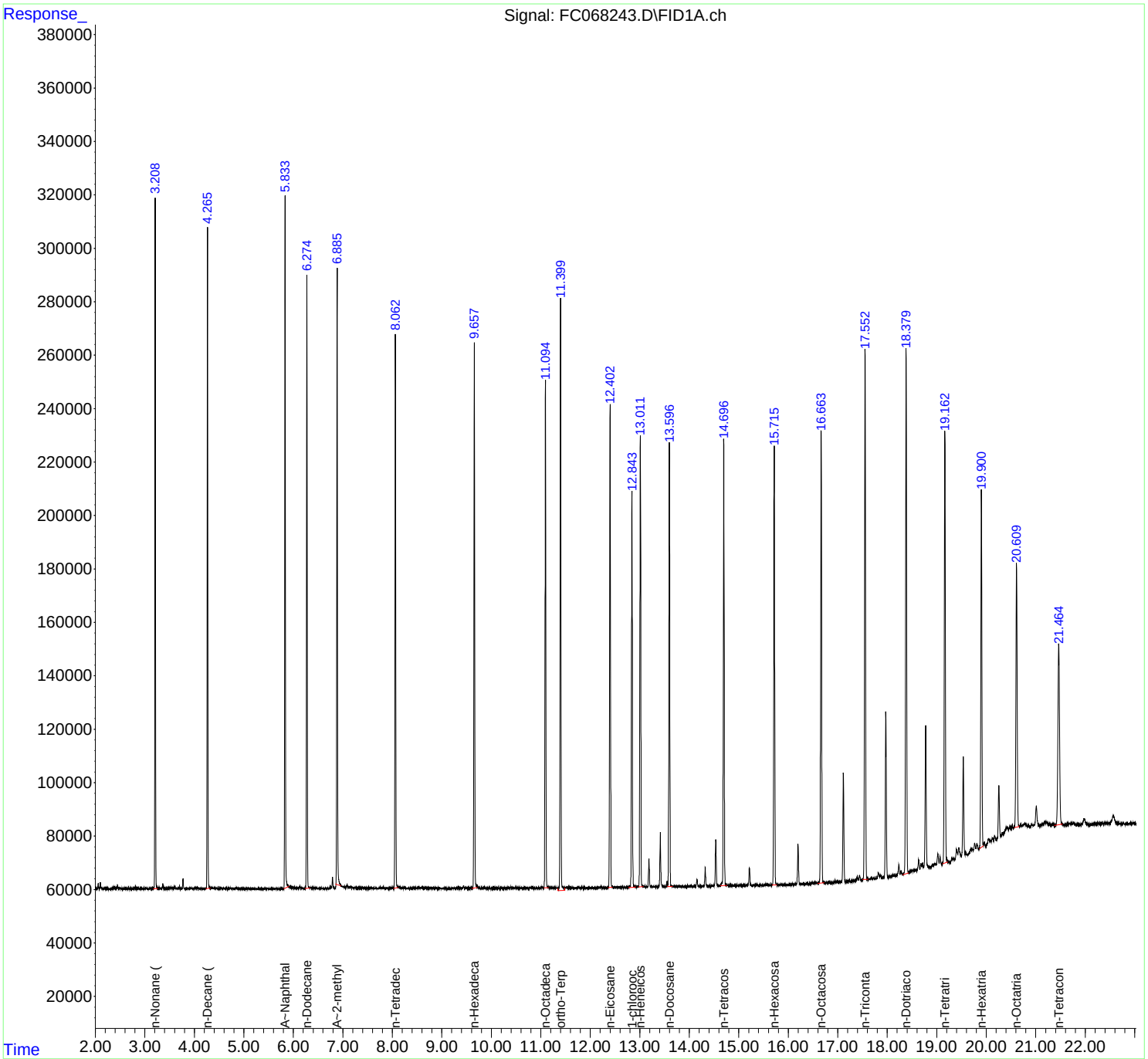
Integration File: autoint1.e
Quant Time: Feb 10 23:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02102
Data File : FC068243.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 10:19
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 012425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.208	3.174	3.264	BB	256948	2144745	75.41%	4.457%
2	4.266	4.238	4.328	BB	245074	2232281	78.49%	4.639%
3	5.833	5.804	5.908	BB	257870	2411896	84.80%	5.012%
4	6.274	6.231	6.338	BB	227858	2226214	78.27%	4.627%
5	6.885	6.861	6.968	BB	229745	2271088	79.85%	4.720%
6	8.063	8.028	8.121	BB	208994	2176302	76.52%	4.523%
7	9.658	9.614	9.721	BB	203779	2226874	78.30%	4.628%
8	11.095	11.061	11.158	BB	190361	2239582	78.74%	4.654%
9	11.401	11.358	11.461	BB	220830	2471024	86.88%	5.135%
10	12.401	12.364	12.454	BB	179945	2144628	75.40%	4.457%
11	12.842	12.801	12.898	BB	146527	1831465	64.39%	3.806%
12	13.012	12.971	13.074	BB	168830	2102301	73.92%	4.369%
13	13.597	13.564	13.658	VB	164999	2108892	74.15%	4.383%
14	14.697	14.631	14.761	BB	165007	2154544	75.75%	4.478%
15	15.715	15.674	15.771	BB	163211	2164931	76.12%	4.499%
16	16.664	16.591	16.728	BB	168382	2353789	82.76%	4.892%
17	17.550	17.501	17.611	BB	198502	2754877	96.86%	5.725%
18	18.380	18.314	18.438	BB	193695	2844188	100.00%	5.911%
19	19.163	19.121	19.224	BB	161232	2425832	85.29%	5.041%
20	19.901	19.871	19.939	BV	132205	1905551	67.00%	3.960%
21	20.611	20.581	20.674	BB	96630	1609057	56.57%	3.344%
22	21.464	21.431	21.531	BB	63204	1317930	46.34%	2.739%
			Sum of corrected areas:			48117991		

Aliphatic EPH 012425.M Mon Feb 10 23:36:24 2025

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

Continuing Calibration Report for SequenceID : FC021025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068249.D**						
Aliphatic C9-C12	8871076.000	60.000	3.108	6.374	147851.267	138488.174	-6.761
Aliphatic C12-C16	5747631.000	40.000	6.375	9.758	143690.775	137713.071	-4.341
Aliphatic C16-C21	8312201.000	60.000	9.759	13.112	138536.683	135019.289	-2.605
Aliphatic C21-C28	10532742.000	80.000	13.113	16.764	131659.275	127207.526	-3.500
Aliphatic C28-C40	13274503.000	120.000	16.765	21.564	110620.858	103638.860	-6.737
Aliphatic EPH	46738153.000	360.000	3.108	21.564	129828.203	123700.655	-4.954

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:	10 Feb 2025 13:58
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068249.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.108	6.374	8871076.000	60.000	ug/ml
Aliphatic C12-C16	6.375	9.758	5747631.000	40.000	ug/ml
Aliphatic C16-C21	9.759	13.112	8312201.000	60.000	ug/ml
Aliphatic C21-C28	13.113	16.764	10532742.000	80.000	ug/ml
Aliphatic C28-C40	16.765	21.564	13274503.000	120.000	ug/ml
Aliphatic EPH	3.108	21.564	46738153.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068249.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 13:58
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 10 23:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.400	3180327	20.352 ug/ml
Spiked Amount	50.000		Recovery =	40.70%
12) S	1-chlorooctadecane (S...	12.842	2357094	20.496 ug/ml
Spiked Amount	50.000		Recovery =	40.99%
	Target Compounds			
1) T	n-Nonane (C9)	3.208	2913780	21.279 ug/ml
2) T	n-Decane (C10)	4.265	2989521	21.533 ug/ml
3) T	A~Naphthalene (C11.7)	5.833	3245866	21.621 ug/ml
4) T	n-Dodecane (C12)	6.274	2967775	21.244 ug/ml
5) T	A~2-methylnaphthalene...	6.885	3024211	21.055 ug/ml
6) T	n-Tetradecane (C14)	8.062	2862370	20.973 ug/ml
7) T	n-Hexadecane (C16)	9.658	2885261	20.765 ug/ml
8) T	n-Octadecane (C18)	11.096	2881442	20.594 ug/ml
10) T	n-Eicosane (C20)	12.401	2743470	20.504 ug/ml
11) T	n-Heneicosane (C21)	13.012	2687289	20.461 ug/ml
13) T	n-Docosane (C22)	13.597	2665348	20.576 ug/mlm
14) T	n-Tetracosane (C24)	14.697	2655721	20.685 ug/ml
15) T	n-Hexacosane (C26)	15.716	2614423	20.776 ug/ml
16) T	n-Octacosane (C28)	16.664	2597250	20.766 ug/ml
17) T	n-Tricontane (C30)	17.549	2676356	20.706 ug/ml
18) T	n-Dotriacontane (C32)	18.381	2602849	20.821 ug/ml
19) T	n-Tetratriacontane (C34)	19.162	2285341	21.068 ug/ml
20) T	n-Hexatriacontane (C36)	19.903	1989135	21.494 ug/mlm
21) T	n-Octatriacontane (C38)	20.610	1884341	21.991 ug/mlm
22) T	n-Tetracontane (C40)	21.463	1836481	22.712 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021025AL\
Data File : FC068249.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 13:58
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

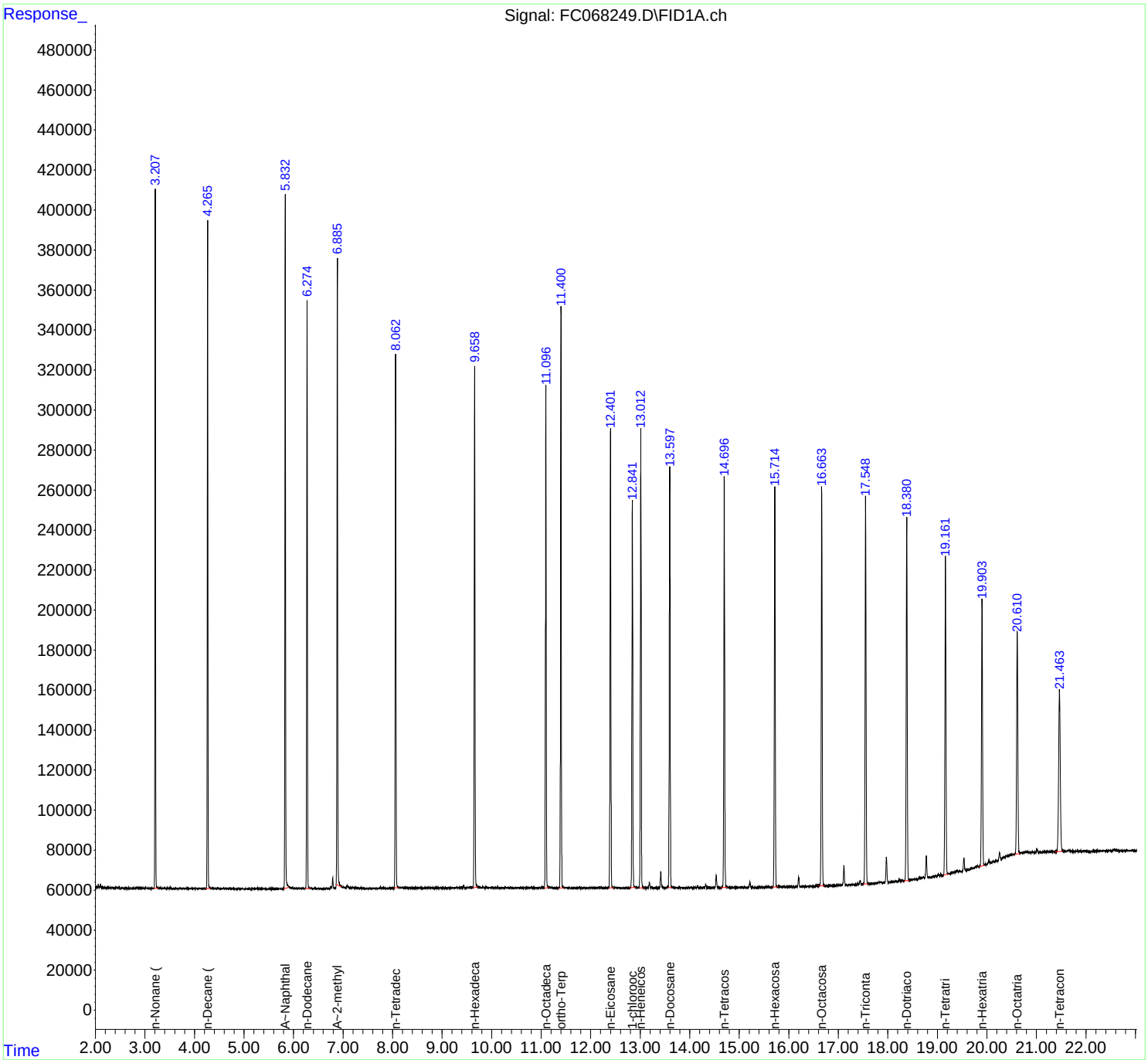
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 10 23:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02102
Data File : FC068249.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 13:58
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.208	3.178	3.268	BB	349771	2913780	89.77%	5.011%
2	4.265	4.224	4.321	BB	332878	2989521	92.10%	5.141%
3	5.833	5.798	5.911	BB	346452	3245866	100.00%	5.582%
4	6.274	6.235	6.338	BB	294452	2967775	91.43%	5.104%
5	6.885	6.861	6.971	BB	313185	3024211	93.17%	5.201%
6	8.062	8.028	8.124	BB	265185	2862370	88.19%	4.923%
7	9.658	9.621	9.725	BB	260159	2885261	88.89%	4.962%
8	11.096	11.058	11.158	BB	248394	2881442	88.77%	4.955%
9	11.400	11.355	11.461	BB	292166	3180327	97.98%	5.469%
10	12.401	12.365	12.465	BB	229853	2743470	84.52%	4.718%
11	12.842	12.775	12.905	BB	193585	2357094	72.62%	4.054%
12	13.012	12.975	13.075	BB	225035	2687289	82.79%	4.622%
13	13.597	13.528	13.648	BB	208947	2674551	82.40%	4.600%
14	14.697	14.628	14.758	BB	203108	2655721	81.82%	4.567%
15	15.716	15.668	15.778	BB	201080	2614423	80.55%	4.496%
16	16.664	16.598	16.728	BB	198295	2597250	80.02%	4.467%
17	17.549	17.501	17.611	BB	194100	2676356	82.45%	4.603%
18	18.381	18.318	18.438	BB	182690	2602849	80.19%	4.476%
19	19.162	19.121	19.221	BB	157911	2285341	70.41%	3.930%
20	19.901	19.871	19.941	BB	129724	1937311	59.69%	3.332%
21	20.612	20.581	20.661	BB	109389	1806531	55.66%	3.107%
22	21.465	21.431	21.538	BB	75706	1558791	48.02%	2.681%
			Sum of corrected areas:			58147529		

Aliphatic EPH 012425.M Mon Feb 10 23:38:03 2025

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

Continuing Calibration Report for SequenceID : FD020725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049051.D**						
Aromatic C10-C12	6610278.000	40.000	4.076	5.794	165256.950	155230.631	-6.459
Aromatic C21-C36	26848299.000	180.000	12.663	18.072	149157.217	142502.922	-4.670
Aromatic EPH	56056317.000	360.000	4.076	18.072	155711.992	149900.883	-3.877
Aromatic C12-C16	9920576.000	60.000	5.795	8.398	165342.933	162211.796	-1.930
Aromatic C16-C21	12677164.000	80.000	8.399	12.662	158464.550	154648.237	-2.468

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:	07 Feb 2025 08:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049051.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6610278.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.398	9920576.000	60.000	ug/ml
Aromatic C16-C21	8.399	12.662	12677164.000	80.000	ug/ml
Aromatic C21-C36	12.663	18.072	26848299.000	180.000	ug/ml
Aromatic EPH	4.076	18.072	56056317.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049051.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 08:50
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 07 23:56:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.353	2929635	20.584 ug/ml
	Spiked Amount 50.000		Recovery =	41.17%
6)	S 2-Flurobiphenyl (SURR)	8.204	1875717	22.045 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	44.09%
11)	S ortho-Terphenyl (SURR)	11.237	3315572	20.161 ug/ml
	Spiked Amount 50.000		Recovery =	40.32%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.176	3301941	21.421 ug/ml
2)	T Naphthalene (C11.7)	5.694	3308337	21.165 ug/ml
3)	T 2-Methylnaphthalene (...	6.741	3232174	20.835 ug/ml
5)	T Acenaphthylene (C15.06)	8.005	3347619	20.469 ug/ml
7)	T Acenaphthene (C15.5)	8.298	3340783	19.890 ug/ml
8)	T Flouorene (C16.55)	9.078	3250384	20.778 ug/ml
9)	T Phenanthrene (C19.36)	10.465	3124474	20.515 ug/ml
10)	T Anthracene (C19.43)	10.541	3153954	20.705 ug/ml
12)	T Fluoranthene (C21.85)	12.269	3213665	20.431 ug/ml
13)	T Pyrene (C20.8)	12.562	3148352	19.985 ug/ml
14)	T Benzo[a]anthracene (C...	14.432	2865319	22.267 ug/ml
15)	T Chrysene (C27.41)	14.474	3231899	19.113 ug/ml
16)	T benzo[b]fluoranthene ...	15.980	2984451	21.843 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.011	3178310	19.624 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.357	2839030	20.399 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.723	2296213	22.017 ug/ml
20)	T Dibenz[a,h]anthracene...	17.762	3239680	22.694 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.972	2999732	21.030 ug/ml

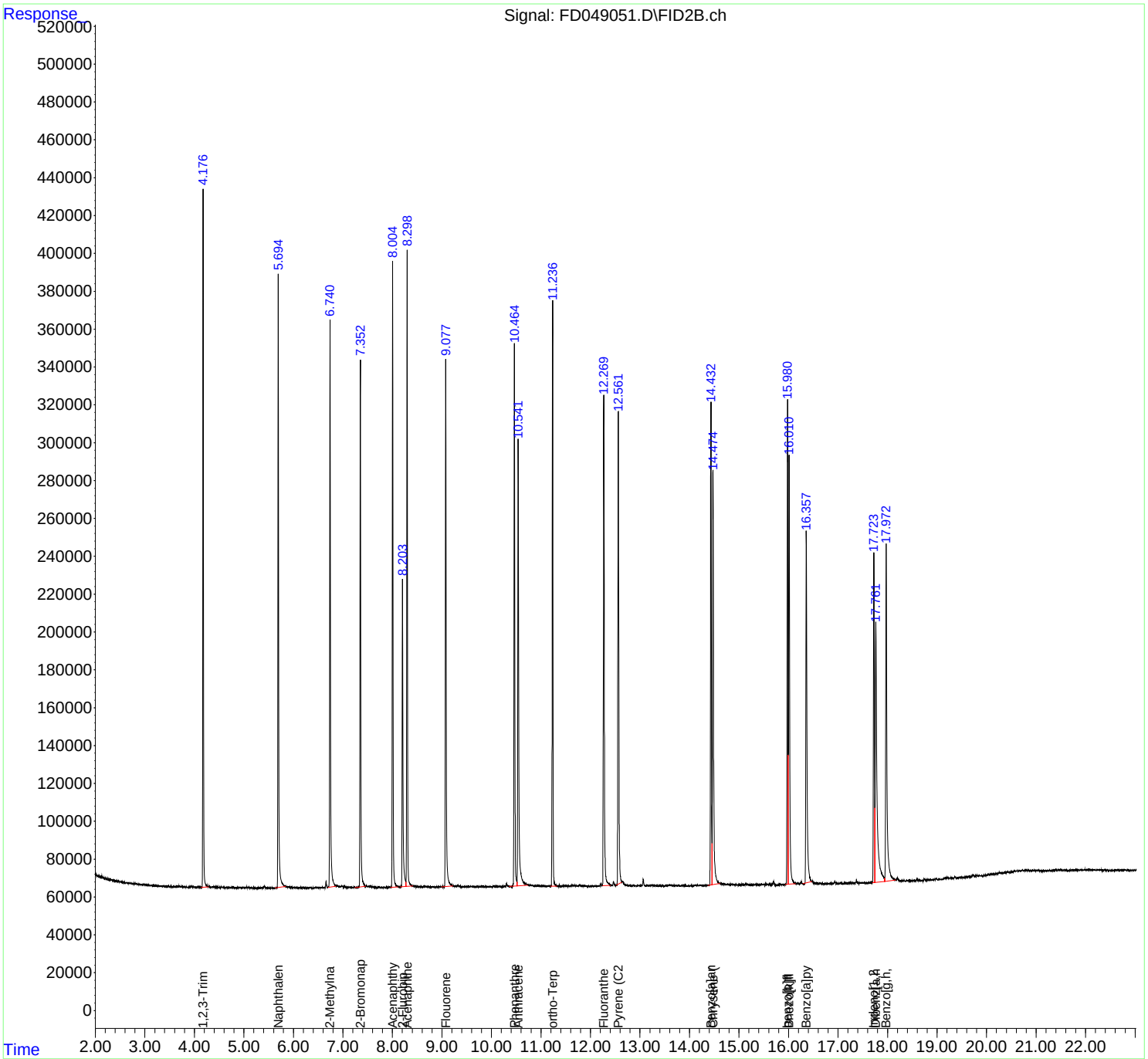
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049051.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 08:50
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 07 23:56:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049051.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 08:50
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.176	4.130	4.290	BB	367436	3301941	98.64%	5.145%
2	5.694	5.632	5.847	BB	324282	3308337	98.83%	5.155%
3	6.741	6.700	6.867	BB	300090	3232174	96.55%	5.036%
4	7.353	7.244	7.462	BB	277850	2929635	87.51%	4.565%
5	8.005	7.960	8.120	BB	330260	3347619	100.00%	5.216%
6	8.204	8.145	8.274	BV	162291	1875717	56.03%	2.923%
7	8.298	8.274	8.417	VB	336090	3340783	99.80%	5.206%
8	9.078	8.989	9.227	BB	278310	3250384	97.10%	5.065%
9	10.465	10.357	10.516	BV	286604	3124474	93.33%	4.869%
10	10.542	10.516	10.740	VV	236035	3153954	94.21%	4.914%
11	11.237	11.185	11.329	BB	309499	3315572	99.04%	5.166%
12	12.269	12.242	12.409	BV	258721	3213665	96.00%	5.007%
13	12.562	12.514	12.633	BV	249535	3148352	94.05%	4.906%
14	14.432	14.375	14.452	BV	254911	2865319	85.59%	4.465%
15	14.474	14.452	14.619	VB	219105	3231899	96.54%	5.036%
16	15.980	15.930	15.994	BV	256656	2984451	89.15%	4.650%
17	16.011	15.994	16.145	VB	226242	3178310	94.94%	4.952%
18	16.357	16.284	16.474	BV	185353	2839030	84.81%	4.424%
19	17.723	17.690	17.743	BV	174426	2296213	68.59%	3.578%
20	17.762	17.743	17.940	VV	137711	3239680	96.78%	5.048%
21	17.972	17.940	18.165	VB	178172	2999732	89.61%	4.674%

Sum of corrected areas: 64177241

Aromatic EPH 012425.M Sat Feb 08 00:30:03 2025

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

Continuing Calibration Report for SequenceID : FD020725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049063.D**						
Aromatic C10-C12	6706243.000	40.000	4.076	5.794	167656.075	155230.631	-8.005
Aromatic C21-C36	27654661.000	180.000	12.663	18.072	153637.006	142502.922	-7.813
Aromatic EPH	57323820.000	360.000	4.076	18.072	159232.833	149900.883	-6.225
Aromatic C12-C16	10058917.000	60.000	5.795	8.398	167648.617	162211.796	-3.352
Aromatic C16-C21	12903999.000	80.000	8.399	12.662	161299.988	154648.237	-4.301

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:	07 Feb 2025 18:33
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049063.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6706243.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.398	10058917.000	60.000	ug/ml
Aromatic C16-C21	8.399	12.662	12903999.000	80.000	ug/ml
Aromatic C21-C36	12.663	18.072	27654661.000	180.000	ug/ml
Aromatic EPH	4.076	18.072	57323820.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049063.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:33
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 08 00:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.352	2974243	20.898 ug/ml
	Spiked Amount 50.000		Recovery =	41.80%
6)	S 2-Flurobiphenyl (SURR)	8.202	1923668	22.608 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	45.22%
11)	S ortho-Terphenyl (SURR)	11.235	3361802	20.442 ug/ml
	Spiked Amount 50.000		Recovery =	40.88%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.176	3336666	21.646 ug/ml
2)	T Naphthalene (C11.7)	5.693	3369577	21.556 ug/ml
3)	T 2-Methylnaphthalene (...	6.739	3286804	21.187 ug/ml
5)	T Acenaphthylene (C15.06)	8.003	3389364	20.725 ug/ml
7)	T Acenaphthene (C15.5)	8.297	3382749	20.140 ug/ml
8)	T Flouorene (C16.55)	9.076	3322976	21.242 ug/ml
9)	T Phenanthrene (C19.36)	10.463	3190494	20.949 ug/ml
10)	T Anthracene (C19.43)	10.539	3168081	20.798 ug/ml
12)	T Fluoranthene (C21.85)	12.267	3284396	20.880 ug/ml
13)	T Pyrene (C20.8)	12.560	3222448	20.456 ug/ml
14)	T Benzo[a]anthracene (C...	14.430	2995460	23.278 ug/ml
15)	T Chrysene (C27.41)	14.471	3320443	19.636 ug/ml
16)	T benzo[b]fluoranthene ...	15.978	3066373	22.443 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.008	3248053	20.055 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.356	2938625	21.114 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.720	2408562	23.094 ug/ml
20)	T Dibenz[a,h]anthracene...	17.760	3353379	23.490 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.970	3039370	21.308 ug/ml

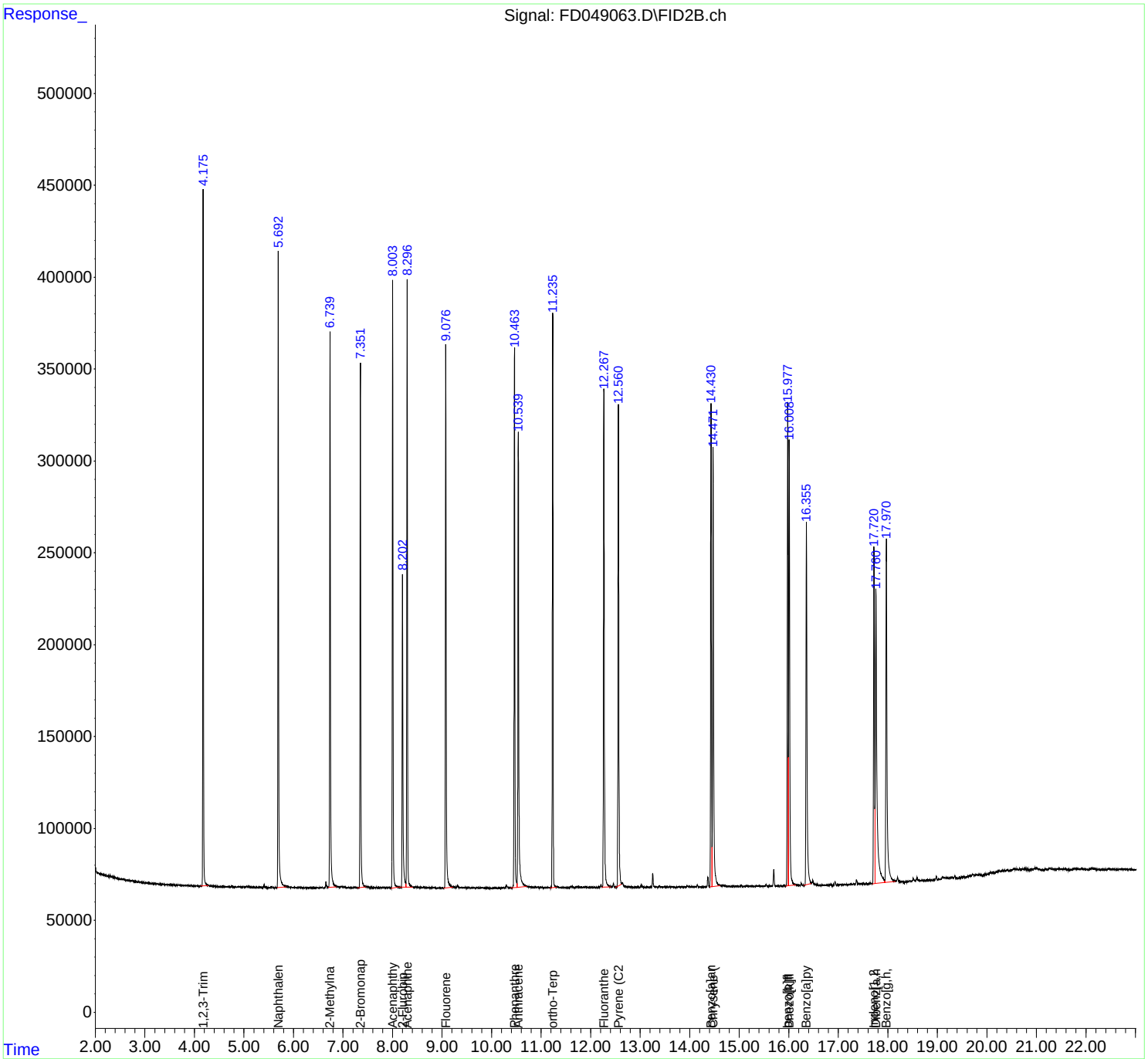
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049063.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:33
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 08 00:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049063.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 18:33
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.176	4.130	4.285	BB	378364	3336666	98.45%	5.088%
2	5.693	5.665	5.849	BB	345510	3369577	99.42%	5.138%
3	6.739	6.699	6.870	BB	302228	3286804	96.97%	5.012%
4	7.352	7.287	7.457	BB	285497	2974243	87.75%	4.535%
5	8.003	7.960	8.112	BB	330407	3389364	100.00%	5.168%
6	8.202	8.115	8.270	BV	170201	1923668	56.76%	2.933%
7	8.297	8.270	8.410	VB	330461	3382749	99.80%	5.158%
8	9.076	9.030	9.224	BB	295958	3322976	98.04%	5.067%
9	10.463	10.380	10.514	BV	293698	3190494	94.13%	4.865%
10	10.539	10.514	10.712	VB	247851	3168081	93.47%	4.831%
11	11.235	11.180	11.319	BV	313435	3361802	99.19%	5.126%
12	12.267	12.232	12.404	PB	270955	3284396	96.90%	5.008%
13	12.560	12.504	12.625	BV	261768	3222448	95.08%	4.914%
14	14.430	14.400	14.450	PV	263148	2995460	88.38%	4.567%
15	14.471	14.450	14.615	VB	238140	3320443	97.97%	5.063%
16	15.978	15.930	15.992	BV	262925	3066373	90.47%	4.676%
17	16.008	15.992	16.139	VB	242842	3248053	95.83%	4.953%
18	16.356	16.295	16.457	BV	196936	2938625	86.70%	4.481%
19	17.720	17.690	17.740	BV	183245	2408562	71.06%	3.673%
20	17.760	17.740	17.937	VV	160217	3353379	98.94%	5.113%
21	17.970	17.937	18.155	VV	186907	3039370	89.67%	4.634%
			Sum of corrected areas:			65583531		

Aromatic EPH 012425.M Sat Feb 08 00:42:55 2025

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

Continuing Calibration Report for SequenceID : FD021025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049066.D**						
Aromatic C10-C12	6890054.000	40.000	4.076	5.793	172251.350	155230.631	-10.965
Aromatic C12-C16	10374039.000	60.000	5.794	8.397	172900.650	162211.796	-6.589
Aromatic C16-C21	13253164.000	80.000	8.398	12.659	165664.550	154648.237	-7.123
Aromatic C21-C36	27785097.000	180.000	12.660	18.066	154361.650	142502.922	-8.322
Aromatic EPH	58302354.000	360.000	4.076	18.066	161950.983	149900.883	-8.039

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:	10 Feb 2025 09:43
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049066.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.793	6890054.000	40.000	ug/ml
Aromatic C12-C16	5.794	8.397	10374039.000	60.000	ug/ml
Aromatic C16-C21	8.398	12.659	13253164.000	80.000	ug/ml
Aromatic C21-C36	12.660	18.066	27785097.000	180.000	ug/ml
Aromatic EPH	4.076	18.066	58302354.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049066.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:43
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 11 01:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.352	3072975	21.592 ug/ml
Spiked Amount	50.000		Recovery =	43.18%
6) S	2-Flurobiphenyl (SURR)	8.202	1991094	23.401 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	46.80%
11) S	ortho-Terphenyl (SURR)	11.233	3492247	21.236 ug/ml
Spiked Amount	50.000		Recovery =	42.47%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.176	3428656	22.243 ug/ml
2) T	Naphthalene (C11.7)	5.693	3461398	22.144 ug/ml
3) T	2-Methylnaphthalene (...	6.739	3383749	21.812 ug/ml
5) T	Acenaphthylene (C15.06)	8.004	3512436	21.477 ug/ml
7) T	Acenaphthene (C15.5)	8.297	3477854	20.706 ug/ml
8) T	Flouorene (C16.55)	9.076	3417323	21.845 ug/ml
9) T	Phenanthrene (C19.36)	10.462	3299251	21.663 ug/ml
10) T	Anthracene (C19.43)	10.539	3235057	21.238 ug/ml
12) T	Fluoranthene (C21.85)	12.265	3381723	21.499 ug/ml
13) T	Pyrene (C20.8)	12.559	3301533	20.958 ug/ml
14) T	Benzo[a]anthracene (C...	14.428	3016108	23.439 ug/ml
15) T	Chrysene (C27.41)	14.469	3258885	19.272 ug/ml
16) T	benzo[b]fluoranthene ...	15.976	3089026	22.608 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.006	3333211	20.581 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.353	3003262	21.579 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.718	2448770	23.480 ug/ml
20) T	Dibenz[a,h]anthracene...	17.757	3284359	23.007 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.966	2969753	20.820 ug/ml

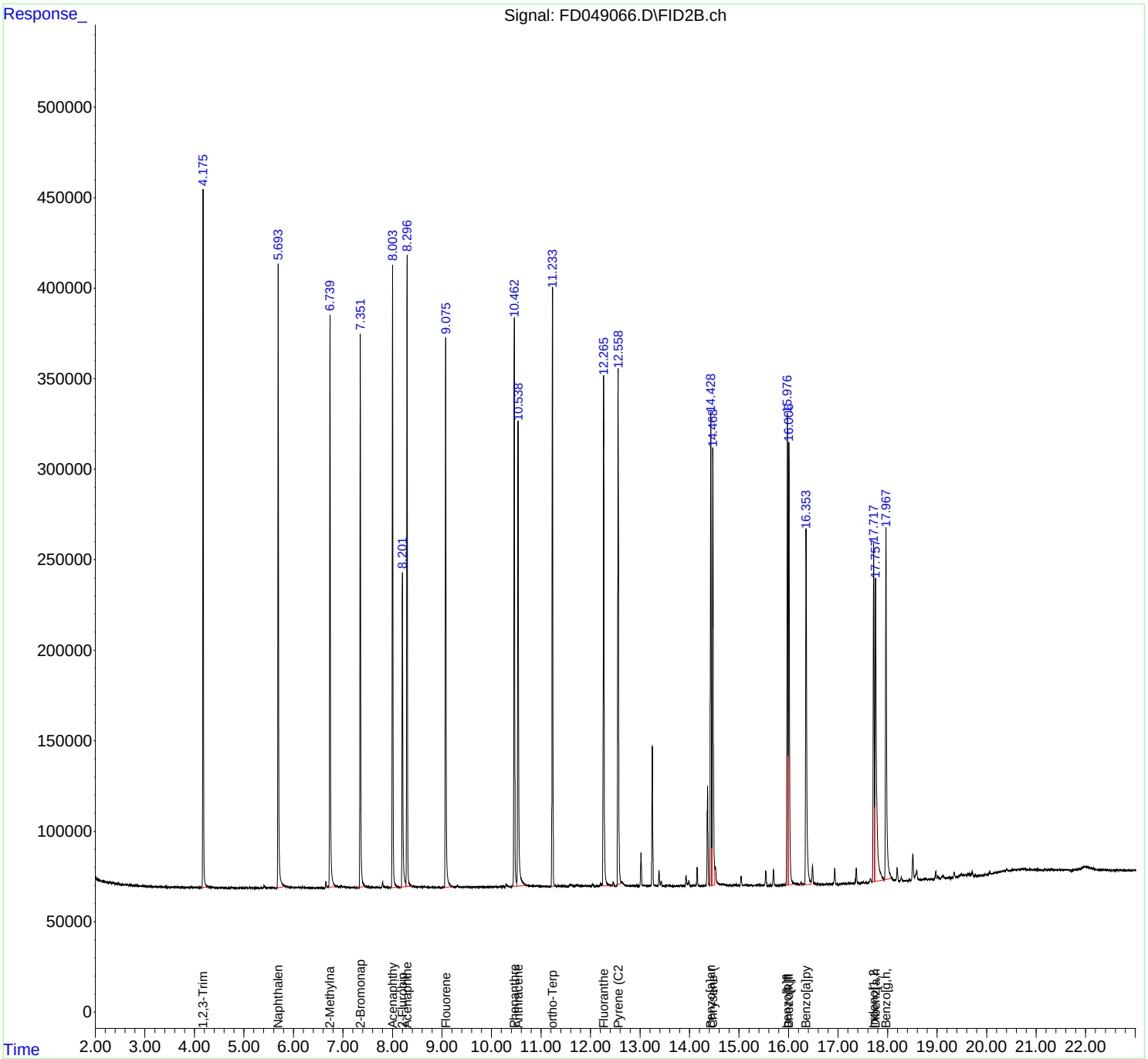
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049066.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:43
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 11 01:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049066.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:43
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.176	4.130	4.280	BB	385881	3428656	97.61%	5.128%
2	5.693	5.647	5.842	BB	344912	3461398	98.55%	5.177%
3	6.739	6.699	6.872	BV	315700	3383749	96.34%	5.061%
4	7.352	7.265	7.457	BB	305193	3072975	87.49%	4.596%
5	8.004	7.960	8.124	BB	344107	3512436	100.00%	5.254%
6	8.202	8.149	8.271	BV	173676	1991094	56.69%	2.978%
7	8.297	8.271	8.390	VB	348811	3477854	99.02%	5.202%
8	9.076	9.030	9.222	BB	303961	3417323	97.29%	5.111%
9	10.462	10.385	10.513	BV	313704	3299251	93.93%	4.935%
10	10.539	10.513	10.712	VB	256734	3235057	92.10%	4.839%
11	11.233	11.194	11.299	BB	330411	3492247	99.43%	5.223%
12	12.265	12.225	12.405	VB	281813	3381723	96.28%	5.058%
13	12.559	12.497	12.624	BV	284508	3301533	94.00%	4.938%
14	14.428	14.400	14.449	PV	261056	3016108	85.87%	4.511%
15	14.469	14.449	14.512	VV	241911	3258885	92.78%	4.874%
16	15.976	15.930	15.990	BV	260446	3089026	87.95%	4.620%
17	16.006	15.990	16.132	VB	244485	3333211	94.90%	4.985%
18	16.353	16.287	16.457	BV	196645	3003262	85.50%	4.492%
19	17.718	17.690	17.737	BV	186670	2448770	69.72%	3.663%
20	17.757	17.737	17.937	VV	167458	3284359	93.51%	4.912%
21	17.966	17.937	18.085	VV	194595	2969753	84.55%	4.442%
			Sum of corrected areas:			66858672		

Aromatic EPH 012425.M Tue Feb 11 02:07:29 2025

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

Continuing Calibration Report for SequenceID : FD021025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049069.D**						
Aromatic C10-C12	6853867.000	40.000	4.076	5.793	171346.675	155230.631	-10.382
Aromatic C12-C16	10244434.000	60.000	5.794	8.397	170740.567	162211.796	-5.258
Aromatic C16-C21	13160003.000	80.000	8.398	12.659	164500.038	154648.237	-6.370
Aromatic C21-C36	27903333.000	180.000	12.660	18.066	155018.517	142502.922	-8.783
Aromatic EPH	58161637.000	360.000	4.076	18.066	161560.103	149900.883	-7.778

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:	10 Feb 2025 11:32
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049069.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.793	6853867.000	40.000	ug/ml
Aromatic C12-C16	5.794	8.397	10244434.000	60.000	ug/ml
Aromatic C16-C21	8.398	12.659	13160003.000	80.000	ug/ml
Aromatic C21-C36	12.660	18.066	27903333.000	180.000	ug/ml
Aromatic EPH	4.076	18.066	58161637.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049069.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 11:32
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 11 02:04:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.352	3058215	21.488 ug/ml
Spiked Amount	50.000		Recovery =	42.98%
6) S	2-Flurobiphenyl (SURR)	8.201	1964402	23.087 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	46.17%
11) S	ortho-Terphenyl (SURR)	11.234	3454119	21.004 ug/ml
Spiked Amount	50.000		Recovery =	42.01%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.175	3397447	22.040 ug/ml
2) T	Naphthalene (C11.7)	5.692	3456420	22.112 ug/ml
3) T	2-Methylnaphthalene (...	6.738	3343479	21.553 ug/ml
5) T	Acenaphthylene (C15.06)	8.003	3451965	21.107 ug/ml
7) T	Acenaphthene (C15.5)	8.296	3448990	20.534 ug/ml
8) T	Flouorene (C16.55)	9.076	3394416	21.699 ug/ml
9) T	Phenanthrene (C19.36)	10.462	3272008	21.484 ug/ml
10) T	Anthracene (C19.43)	10.538	3221200	21.147 ug/ml
12) T	Fluoranthene (C21.85)	12.265	3359789	21.360 ug/ml
13) T	Pyrene (C20.8)	12.559	3272379	20.772 ug/ml
14) T	Benzo[a]anthracene (C...	14.428	3007575	23.372 ug/ml
15) T	Chrysene (C27.41)	14.469	3258275	19.269 ug/ml
16) T	benzo[b]fluoranthene ...	16.101	3059689	22.394 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.130	3254948	20.098 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.457	2960273	21.270 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.771	2461021	23.598 ug/ml
20) T	Dibenz[a,h]anthracene...	17.808	3473838	24.334 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.013	3067925	21.508 ug/ml

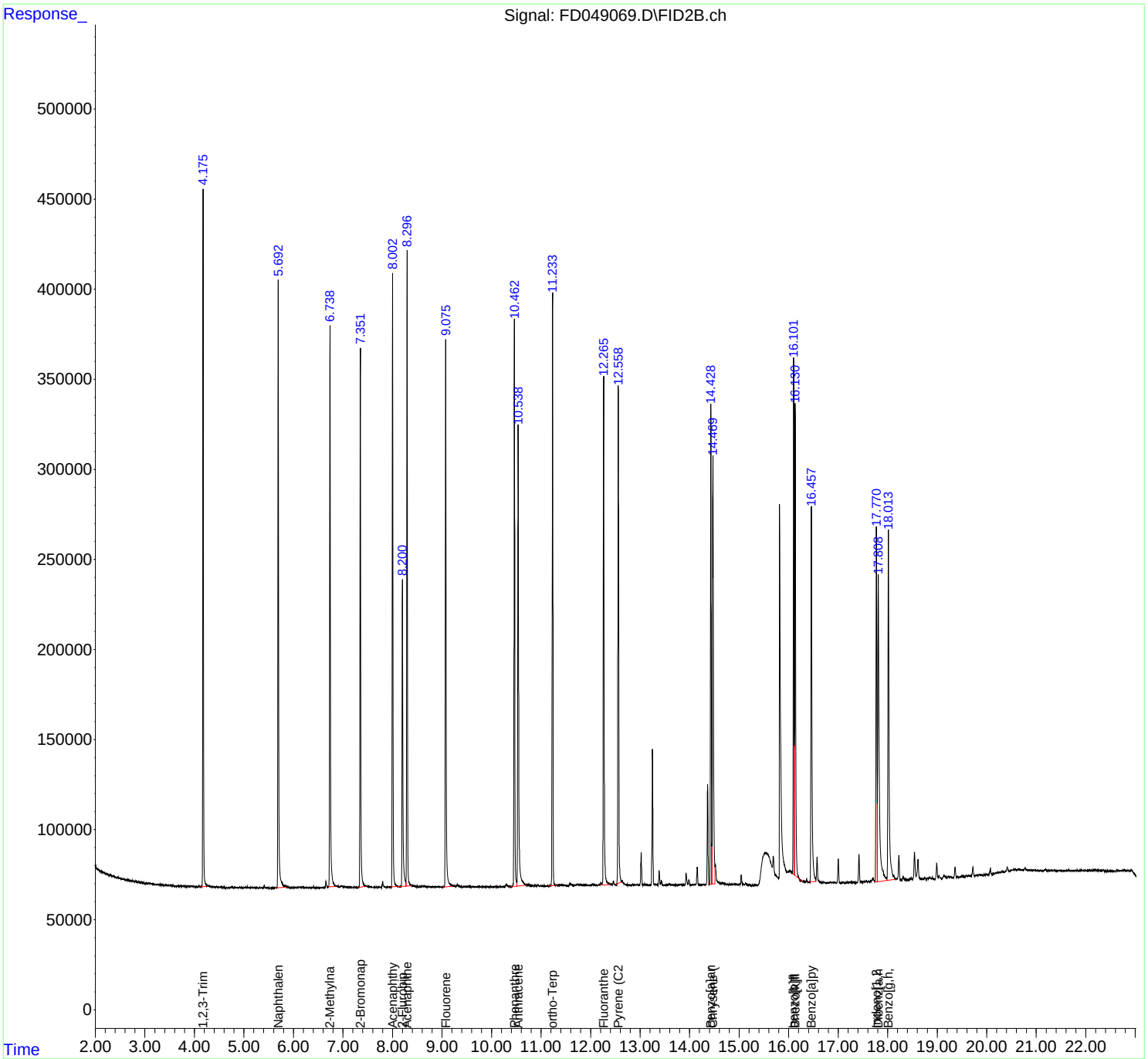
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049069.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 11:32
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 11 02:04:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021025AR\
Data File : FD049069.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 11:32
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.175	4.120	4.275	BB	386854	3397447	97.80%	5.098%
2	5.692	5.640	5.865	BV	336937	3456420	99.50%	5.187%
3	6.738	6.695	6.870	BV	310795	3343479	96.25%	5.017%
4	7.352	7.297	7.470	BB	298923	3058215	88.04%	4.589%
5	8.003	7.960	8.104	BB	340659	3451965	99.37%	5.180%
6	8.201	8.115	8.271	BV	169629	1964402	56.55%	2.948%
7	8.296	8.271	8.392	VB	352315	3448990	99.28%	5.176%
8	9.076	9.020	9.222	BB	303899	3394416	97.71%	5.094%
9	10.462	10.385	10.514	BV	314311	3272008	94.19%	4.910%
10	10.538	10.514	10.712	VB	256091	3221200	92.73%	4.834%
11	11.234	11.144	11.307	BB	328347	3454119	99.43%	5.183%
12	12.265	12.225	12.409	VB	281926	3359789	96.72%	5.042%
13	12.559	12.495	12.625	BV	276145	3272379	94.20%	4.911%
14	14.428	14.394	14.448	PV	266787	3007575	86.58%	4.513%
15	14.469	14.448	14.512	VV	237691	3258275	93.79%	4.889%
16	16.101	16.075	16.115	BV	286654	3059689	88.08%	4.591%
17	16.130	16.115	16.284	VB	262125	3254948	93.70%	4.884%
18	16.457	16.410	16.550	BV	208135	2960273	85.22%	4.442%
19	17.771	17.740	17.789	PV	197356	2461021	70.84%	3.693%
20	17.808	17.789	17.984	VV	170528	3473838	100.00%	5.213%
21	18.013	17.984	18.169	VV	194768	3067925	88.32%	4.604%

Sum of corrected areas: 66638376

Aromatic EPH 012425.M Tue Feb 11 02:10:15 2025

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

Continuing Calibration Report for SequenceID : FE020725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052282.D**						
Aliphatic C9-C12	5908448.000	60.000	3.679	7.235	98474.133	96184.367	-2.381
Aliphatic C12-C16	4402676.000	40.000	7.236	10.639	110066.900	104714.203	-5.112
Aliphatic C16-C21	6845852.000	60.000	10.640	13.984	114097.533	113022.320	-0.951
Aliphatic C21-C28	8767691.000	80.000	13.985	17.628	109596.138	113998.756	3.862
Aliphatic C28-C40	10777408.000	120.000	17.629	22.712	89811.733	91553.550	1.903
Aliphatic EPH	36702075.000	360.000	3.679	22.712	101950.208	102353.599	0.394

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:	07 Feb 2025 09:51
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052282.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.679	7.235	5908448.000	60.000	ug/ml
Aliphatic C12-C16	7.236	10.639	4402676.000	40.000	ug/ml
Aliphatic C16-C21	10.640	13.984	6845852.000	60.000	ug/ml
Aliphatic C21-C28	13.985	17.628	8767691.000	80.000	ug/ml
Aliphatic C28-C40	17.629	22.712	10777408.000	120.000	ug/ml
Aliphatic EPH	3.679	22.712	36702075.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052282.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 09:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:21:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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)	12.312	2522763	20.383 ug/ml
Spiked Amount	50.000		Recovery =	40.77%
12) S	1-chlorooctadecane (S...	13.722	1976745	20.030 ug/mlm
Spiked Amount	50.000		Recovery =	40.06%
	Target Compounds			
1) T	n-Nonane (C9)	3.779	1856405	19.875 ug/ml
2) T	n-Decane (C10)	5.006	1979721	20.615 ug/ml
3) T	A~Naphthalene (C11.7)	6.709	2264436	21.188 ug/ml
4) T	n-Dodecane (C12)	7.135	2072322	20.908 ug/ml
5) T	A~2-methylnaphthalene...	7.790	2233685	21.327 ug/ml
6) T	n-Tetradecane (C14)	8.944	2134065	21.148 ug/ml
7) T	n-Hexadecane (C16)	10.539	2268611	20.906 ug/ml
8) T	n-Octadecane (C18)	11.973	2334540	20.550 ug/ml
10) T	n-Eicosane (C20)	13.276	2271245	20.126 ug/ml
11) T	n-Heneicosane (C21)	13.884	2240067	19.892 ug/ml
13) T	n-Docosane (C22)	14.468	2232833	19.726 ug/ml
14) T	n-Tetracosane (C24)	15.566	2230842	19.402 ug/ml
15) T	n-Hexacosane (C26)	16.582	2163425	18.865 ug/ml
16) T	n-Octacosane (C28)	17.528	2140591	18.919 ug/ml
17) T	n-Tricontane (C30)	18.412	2203644	19.339 ug/ml
18) T	n-Dotriacontane (C32)	19.241	2129093	19.528 ug/ml
19) T	n-Tetratriacontane (C34)	20.022	1844882	19.446 ug/ml
20) T	n-Hexatriacontane (C36)	20.758	1590365	19.247 ug/ml
21) T	n-Octatriacontane (C38)	21.571	1508783	20.309 ug/ml
22) T	n-Tetracontane (C40)	22.612	1500641	20.128 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052282.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 09:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

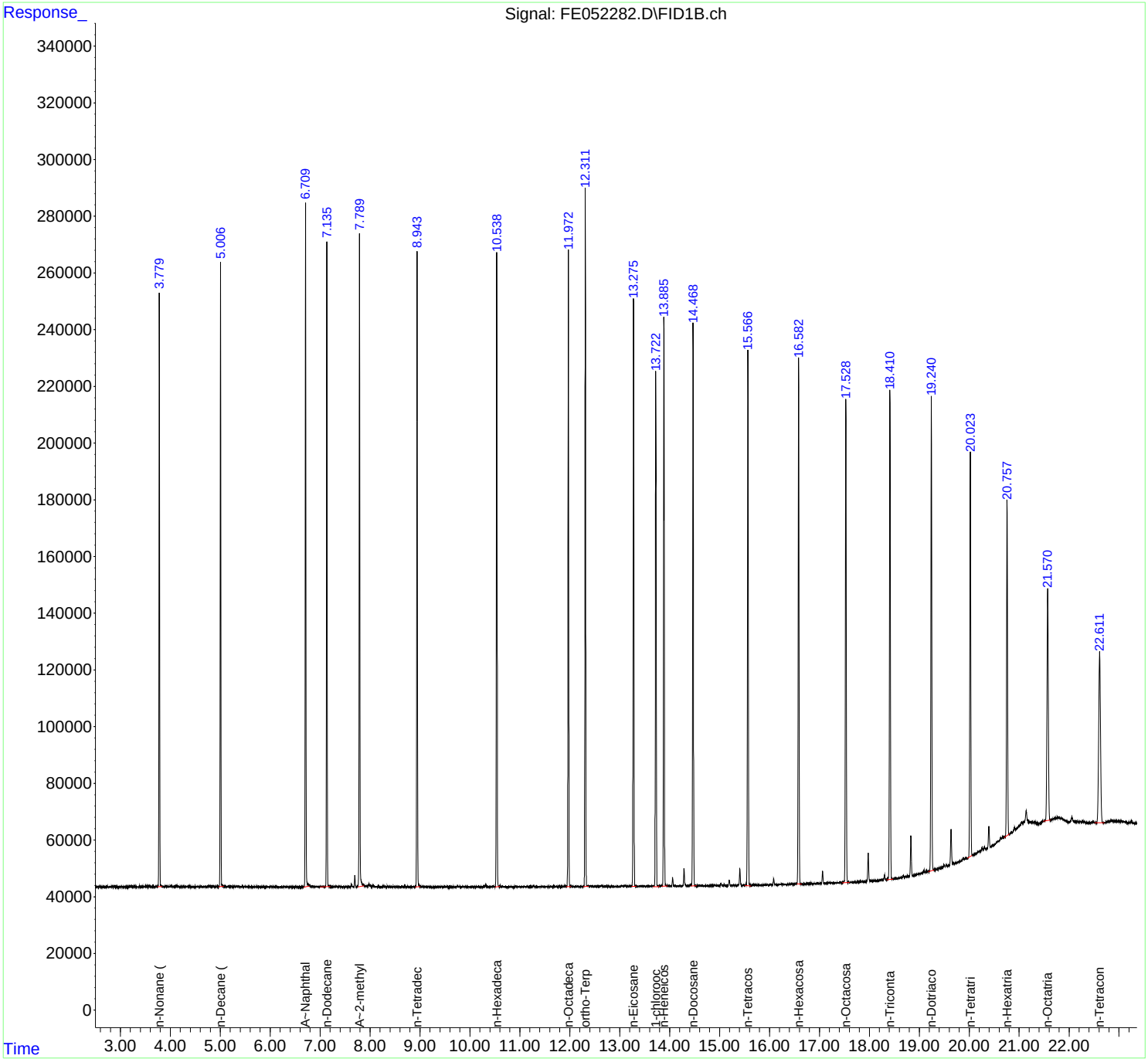
Integration File: autoint1.e
Quant Time: Feb 08 02:21:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052282.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 09:51
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.779	3.745	3.831	BB	206326	1856405	73.59%	4.063%
2	5.006	4.975	5.065	BB	217545	1979721	78.47%	4.333%
3	6.709	6.671	6.788	BB	240904	2264436	89.76%	4.957%
4	7.135	6.995	7.198	BB	225621	2072322	82.14%	4.536%
5	7.790	7.751	7.881	BB	229401	2233685	88.54%	4.889%
6	8.944	8.908	9.005	BB	224156	2134065	84.59%	4.671%
7	10.539	10.508	10.598	BB	224923	2268611	89.93%	4.966%
8	11.973	11.935	12.028	BB	222814	2334540	92.54%	5.110%
9	12.312	12.271	12.378	BB	246151	2522763	100.00%	5.522%
10	13.276	13.241	13.328	BB	207840	2271245	90.03%	4.971%
11	13.723	13.688	13.785	BB	179741	1962755	77.80%	4.296%
12	13.884	13.848	13.951	BB	201897	2240067	88.79%	4.903%
13	14.468	14.434	14.531	VB	198496	2232833	88.51%	4.887%
14	15.566	15.501	15.628	BB	187841	2230842	88.43%	4.883%
15	16.582	16.545	16.648	BB	186248	2163425	85.76%	4.735%
16	17.528	17.458	17.595	BB	170569	2140591	84.85%	4.685%
17	18.412	18.341	18.475	BB	171802	2203644	87.35%	4.823%
18	19.241	19.181	19.301	BB	166027	2129093	84.40%	4.660%
19	20.022	19.961	20.058	BB	140167	1844882	73.13%	4.038%
20	20.758	20.701	20.801	BV	116996	1590365	63.04%	3.481%
21	21.571	21.481	21.620	BBA	81318	1508783	59.81%	3.303%
22	22.612	22.518	22.700	BBA	60273	1500641	59.48%	3.285%
			Sum of corrected areas:			45685712		

Aliphatic EPH 020325.M Sat Feb 08 03:46:40 2025

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

Continuing Calibration Report for SequenceID : FE020725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052294.D**						
Aliphatic C9-C12	6005226.000	60.000	3.679	7.235	100087.100	96184.367	-4.058
Aliphatic C12-C16	4394782.000	40.000	7.236	10.639	109869.550	104714.203	-4.923
Aliphatic C16-C21	6772395.000	60.000	10.640	13.984	112873.250	113022.320	0.132
Aliphatic C21-C28	8555460.000	80.000	13.985	17.628	106943.250	113998.756	6.189
Aliphatic C28-C40	10407200.000	120.000	17.629	22.712	86726.667	91553.550	5.272
Aliphatic EPH	36135063.000	360.000	3.679	22.712	100375.175	102353.599	1.933

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:	07 Feb 2025 16:56
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052294.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.679	7.235	6005226.000	60.000	ug/ml
Aliphatic C12-C16	7.236	10.639	4394782.000	40.000	ug/ml
Aliphatic C16-C21	10.640	13.984	6772395.000	60.000	ug/ml
Aliphatic C21-C28	13.985	17.628	8555460.000	80.000	ug/ml
Aliphatic C28-C40	17.629	22.712	10407200.000	120.000	ug/ml
Aliphatic EPH	3.679	22.712	36135063.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052294.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 16:56
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:25:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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)	12.309	2496123	20.167 ug/ml
Spiked Amount	50.000		Recovery =	40.33%
12) S	1-chlorooctadecane (S...	13.719	1981601	20.079 ug/mlm
Spiked Amount	50.000		Recovery =	40.16%
	Target Compounds			
1) T	n-Nonane (C9)	3.776	1915234	20.505 ug/ml
2) T	n-Decane (C10)	5.003	2001686	20.844 ug/ml
3) T	A~Naphthalene (C11.7)	6.706	2278111	21.316 ug/ml
4) T	n-Dodecane (C12)	7.132	2088306	21.069 ug/ml
5) T	A~2-methylnaphthalene...	7.786	2245314	21.438 ug/ml
6) T	n-Tetradecane (C14)	8.941	2138381	21.190 ug/ml
7) T	n-Hexadecane (C16)	10.536	2256401	20.793 ug/ml
8) T	n-Octadecane (C18)	11.970	2310187	20.336 ug/ml
10) T	n-Eicosane (C20)	13.272	2246588	19.907 ug/ml
11) T	n-Heneicosane (C21)	13.881	2215620	19.674 ug/ml
13) T	n-Docosane (C22)	14.464	2200281	19.439 ug/ml
14) T	n-Tetracosane (C24)	15.562	2172925	18.899 ug/ml
15) T	n-Hexacosane (C26)	16.578	2114504	18.438 ug/ml
16) T	n-Octacosane (C28)	17.523	2067750	18.275 ug/ml
17) T	n-Tricontane (C30)	18.406	2078020	18.236 ug/ml
18) T	n-Dotriacontane (C32)	19.235	1984898	18.206 ug/ml
19) T	n-Tetratriacontane (C34)	20.017	1760242	18.554 ug/ml
20) T	n-Hexatriacontane (C36)	20.753	1505041	18.215 ug/ml
21) T	n-Octatriacontane (C38)	21.566	1508013	20.299 ug/ml
22) T	n-Tetracontane (C40)	22.606	1570986	21.072 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052294.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 16:56
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

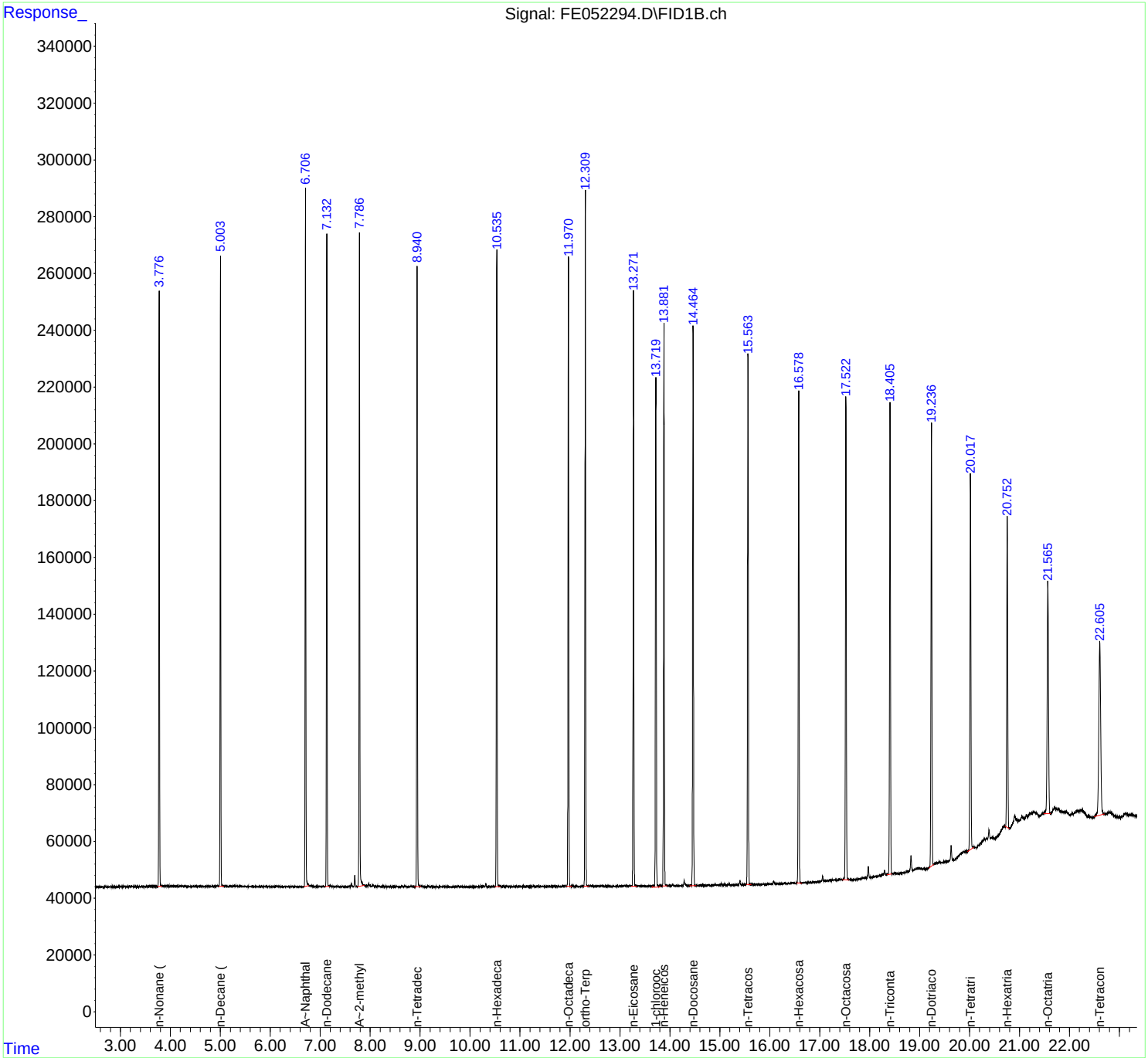
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:25:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052294.D
Signal(s) : FID1B.ch
Acq On : 07 Feb 2025 16:56
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.776	3.745	3.838	BB	208254	1915234	76.73%	4.247%
2	5.003	4.971	5.068	BB	221193	2001686	80.19%	4.439%
3	6.706	6.671	6.775	BB	243262	2278111	91.27%	5.052%
4	7.132	7.098	7.188	BB	227688	2088306	83.66%	4.631%
5	7.786	7.741	7.878	BB	230384	2245314	89.95%	4.979%
6	8.941	8.888	9.018	BB	218709	2138381	85.67%	4.742%
7	10.536	10.495	10.605	BB	222738	2256401	90.40%	5.004%
8	11.970	11.925	12.038	BB	220771	2310187	92.55%	5.123%
9	12.309	12.271	12.381	BB	244912	2496123	100.00%	5.535%
10	13.272	13.228	13.345	BB	207634	2246588	90.00%	4.982%
11	13.720	13.678	13.788	BB	180670	1938701	77.67%	4.299%
12	13.881	13.848	13.948	BB	196840	2215620	88.76%	4.913%
13	14.464	14.398	14.521	BB	196189	2200281	88.15%	4.879%
14	15.562	15.528	15.625	BB	186220	2172925	87.05%	4.819%
15	16.578	16.538	16.645	BB	172545	2114504	84.71%	4.689%
16	17.523	17.458	17.591	BB	169551	2067750	82.84%	4.585%
17	18.406	18.341	18.445	BB	165483	2078020	83.25%	4.608%
18	19.236	19.181	19.278	BB	155548	1984898	79.52%	4.402%
19	20.017	19.961	20.081	BB	132678	1760242	70.52%	3.904%
20	20.753	20.701	20.798	BV	109753	1505041	60.30%	3.338%
21	21.566	21.481	21.620	BBA	80424	1508013	60.41%	3.344%
22	22.606	22.501	22.700	BBA	61057	1570986	62.94%	3.484%
			Sum of corrected areas:			45093310		

Aliphatic EPH 020325.M Sat Feb 08 03:48:09 2025

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

Continuing Calibration Report for SequenceID : FE020725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052307.D**						
Aliphatic C9-C12	6048763.000	60.000	3.679	7.235	100812.717	96184.367	-4.812
Aliphatic C12-C16	4449471.000	40.000	7.236	10.639	111236.775	104714.203	-6.229
Aliphatic C16-C21	6869165.000	60.000	10.640	13.984	114486.083	113022.320	-1.295
Aliphatic C21-C28	8681001.000	80.000	13.985	17.628	108512.513	113998.756	4.813
Aliphatic C28-C40	10518531.000	120.000	17.629	22.712	87654.425	91553.550	4.259
Aliphatic EPH	36566931.000	360.000	3.679	22.712	101574.808	102353.599	0.761

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:	08 Feb 2025 00:57
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052307.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.679	7.235	6048763.000	60.000	ug/ml
Aliphatic C12-C16	7.236	10.639	4449471.000	40.000	ug/ml
Aliphatic C16-C21	10.640	13.984	6869165.000	60.000	ug/ml
Aliphatic C21-C28	13.985	17.628	8681001.000	80.000	ug/ml
Aliphatic C28-C40	17.629	22.712	10518531.000	120.000	ug/ml
Aliphatic EPH	3.679	22.712	36566931.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052307.D
Signal(s) : FID1B.ch
Acq On : 08 Feb 2025 00:57
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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)	12.304	2532537	20.462 ug/ml
Spiked Amount	50.000		Recovery =	40.92%
12) S	1-chlorooctadecane (S...	13.715	1987614	20.140 ug/mlm
Spiked Amount	50.000		Recovery =	40.28%
	Target Compounds			
1) T	n-Nonane (C9)	3.772	1926477	20.625 ug/ml
2) T	n-Decane (C10)	4.999	2014332	20.976 ug/ml
3) T	A~Naphthalene (C11.7)	6.701	2303264	21.552 ug/ml
4) T	n-Dodecane (C12)	7.128	2107954	21.267 ug/ml
5) T	A~2-methylnaphthalene...	7.782	2278809	21.758 ug/ml
6) T	n-Tetradecane (C14)	8.936	2159838	21.403 ug/ml
7) T	n-Hexadecane (C16)	10.531	2289633	21.100 ug/ml
8) T	n-Octadecane (C18)	11.966	2348310	20.671 ug/ml
10) T	n-Eicosane (C20)	13.268	2277556	20.182 ug/ml
11) T	n-Heneicosane (C21)	13.877	2243299	19.920 ug/ml
13) T	n-Docosane (C22)	14.460	2232660	19.725 ug/ml
14) T	n-Tetracosane (C24)	15.558	2202932	19.160 ug/ml
15) T	n-Hexacosane (C26)	16.574	2150272	18.750 ug/ml
16) T	n-Octacosane (C28)	17.519	2095137	18.517 ug/ml
17) T	n-Tricontane (C30)	18.403	2120589	18.610 ug/ml
18) T	n-Dotriacontane (C32)	19.230	2031720	18.635 ug/ml
19) T	n-Tetratriacontane (C34)	20.011	1777329	18.734 ug/ml
20) T	n-Hexatriacontane (C36)	20.748	1557576	18.850 ug/ml
21) T	n-Octatriacontane (C38)	21.560	1497117	20.152 ug/ml
22) T	n-Tetracontane (C40)	22.596	1534200	20.578 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020725AL\
Data File : FE052307.D
Signal(s) : FID1B.ch
Acq On : 08 Feb 2025 00:57
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

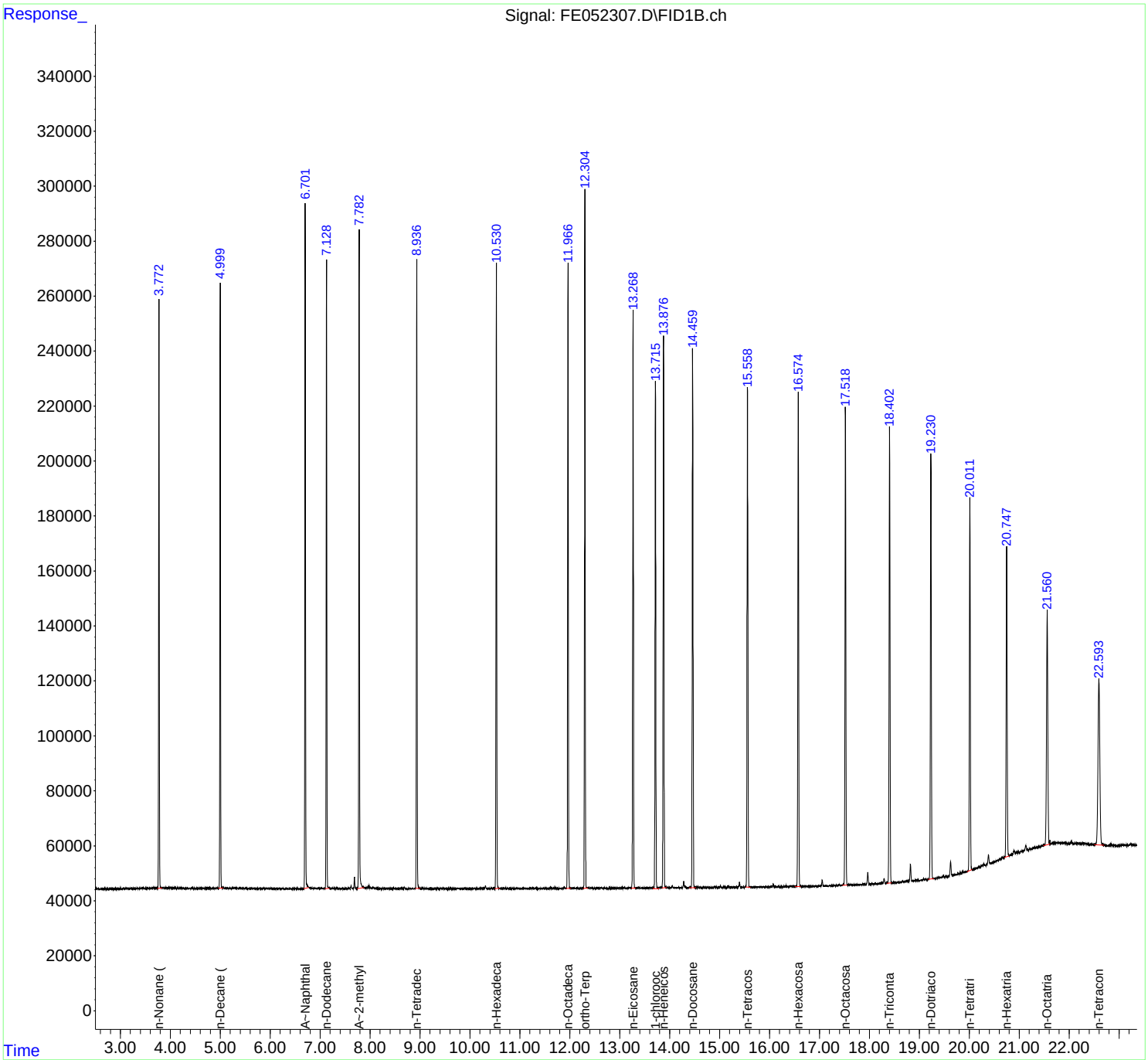
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 08 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02072
Data File : FE052307.D
Signal(s) : FID1B.ch
Acq On : 08 Feb 2025 00:57
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.772	3.738	3.835	BB	212755	1926477	76.07%	4.220%
2	4.999	4.968	5.061	BB	218882	2014332	79.54%	4.413%
3	6.701	6.671	6.775	BB	249212	2303264	90.95%	5.046%
4	7.128	7.095	7.188	BB	229209	2107954	83.23%	4.618%
5	7.782	7.741	7.881	BB	238629	2278809	89.98%	4.992%
6	8.936	8.905	8.995	BB	226355	2159838	85.28%	4.732%
7	10.531	10.495	10.588	BB	228293	2289633	90.41%	5.016%
8	11.966	11.921	12.025	BB	225056	2348310	92.73%	5.144%
9	12.304	12.261	12.361	BB	256056	2532537	100.00%	5.548%
10	13.268	13.235	13.315	BB	208053	2277556	89.93%	4.989%
11	13.715	13.675	13.775	BB	183944	1965582	77.61%	4.306%
12	13.877	13.841	13.941	BB	200801	2243299	88.58%	4.914%
13	14.460	14.388	14.521	BB	194580	2232660	88.16%	4.891%
14	15.558	15.521	15.618	BB	181162	2202932	86.99%	4.826%
15	16.574	16.511	16.615	BB	179259	2150272	84.91%	4.711%
16	17.519	17.458	17.558	BB	172435	2095137	82.73%	4.590%
17	18.403	18.348	18.445	BB	164925	2120589	83.73%	4.646%
18	19.230	19.181	19.291	BB	154283	2031720	80.22%	4.451%
19	20.011	19.961	20.055	BB	136136	1777329	70.18%	3.894%
20	20.748	20.701	20.801	BB	112302	1557576	61.50%	3.412%
21	21.560	21.481	21.620	BBA	85654	1497117	59.12%	3.280%
22	22.596	22.501	22.700	BBA	60209	1534200	60.58%	3.361%
			Sum of corrected areas:			45647124		

Aliphatic EPH 020325.M Sat Feb 08 03:49:17 2025

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

Continuing Calibration Report for SequenceID : FE021025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052310.D**						
Aliphatic C9-C12	5911603.000	60.000	3.682	7.240	98526.717	96184.367	-2.435
Aliphatic C12-C16	4321034.000	40.000	7.241	10.644	108025.850	104714.203	-3.163
Aliphatic C16-C21	6728632.000	60.000	10.645	13.990	112143.867	113022.320	0.777
Aliphatic C21-C28	8685286.000	80.000	13.991	17.632	108566.075	113998.756	4.766
Aliphatic C28-C40	10801630.000	120.000	17.633	22.724	90013.583	91553.550	1.682
Aliphatic EPH	36448185.000	360.000	3.682	22.724	101244.958	102353.599	1.083

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:	10 Feb 2025 10:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052310.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.682	7.240	5911603.000	60.000	ug/ml
Aliphatic C12-C16	7.241	10.644	4321034.000	40.000	ug/ml
Aliphatic C16-C21	10.645	13.990	6728632.000	60.000	ug/ml
Aliphatic C21-C28	13.991	17.632	8685286.000	80.000	ug/ml
Aliphatic C28-C40	17.633	22.724	10801630.000	120.000	ug/ml
Aliphatic EPH	3.682	22.724	36448185.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052310.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 10:00
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 11 03:56:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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)	12.317	2486470	20.089 ug/ml
Spiked Amount	50.000		Recovery =	40.18%
12) S	1-chlorooctadecane (S...	13.729	1929122	19.547 ug/ml
Spiked Amount	50.000		Recovery =	39.09%
	Target Compounds			
1) T	n-Nonane (C9)	3.782	1858648	19.899 ug/ml
2) T	n-Decane (C10)	5.010	1983899	20.659 ug/ml
3) T	A~Naphthalene (C11.7)	6.714	2241163	20.970 ug/ml
4) T	n-Dodecane (C12)	7.140	2069056	20.875 ug/mlm
5) T	A~2-methylnaphthalene...	7.795	2211307	21.114 ug/ml
6) T	n-Tetradecane (C14)	8.949	2099048	20.801 ug/ml
7) T	n-Hexadecane (C16)	10.544	2221986	20.476 ug/ml
8) T	n-Octadecane (C18)	11.979	2286303	20.126 ug/ml
10) T	n-Eicosane (C20)	13.282	2233700	19.793 ug/ml
11) T	n-Heneicosane (C21)	13.890	2208629	19.612 ug/ml
13) T	n-Docosane (C22)	14.473	2209219	19.518 ug/mlm
14) T	n-Tetracosane (C24)	15.571	2194637	19.087 ug/ml
15) T	n-Hexacosane (C26)	16.588	2158483	18.821 ug/ml
16) T	n-Octacosane (C28)	17.532	2122947	18.763 ug/mlm
17) T	n-Tricontane (C30)	18.417	2169215	19.037 ug/ml
18) T	n-Dotriacontane (C32)	19.246	2107137	19.327 ug/ml
19) T	n-Tetratriacontane (C34)	20.026	1827774	19.266 ug/ml
20) T	n-Hexatriacontane (C36)	20.763	1602942	19.399 ug/mlm
21) T	n-Octatriacontane (C38)	21.581	1537334	20.693 ug/ml
22) T	n-Tetracontane (C40)	22.624	1557228	20.887 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052310.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 10:00
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

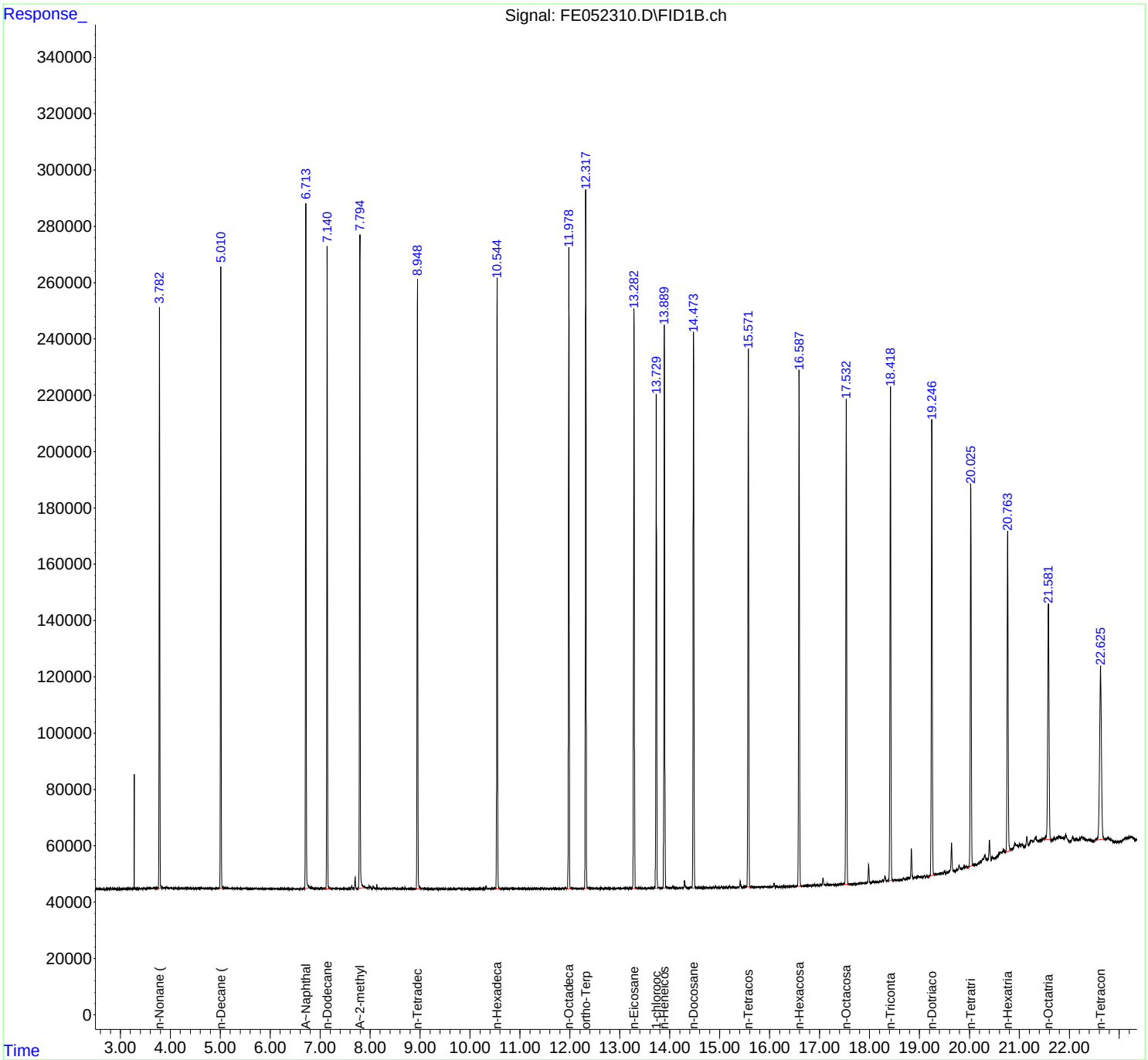
Integration File: autoint1.e
Quant Time: Feb 11 03:56:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02102
Data File : FE052310.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 10:00
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.782	3.741	3.831	BB	204132	1858648	74.75%	4.104%
2	5.010	4.974	5.075	BB	220316	1983899	79.79%	4.380%
3	6.714	6.668	6.785	BB	241877	2241163	90.13%	4.948%
4	7.141	6.995	7.205	BB	227814	2061972	82.93%	4.552%
5	7.795	7.751	7.891	BB	231886	2211307	88.93%	4.882%
6	8.949	8.915	9.008	BB	215885	2099048	84.42%	4.634%
7	10.544	10.505	10.608	BB	217735	2221986	89.36%	4.906%
8	11.979	11.935	12.041	BB	225979	2286303	91.95%	5.048%
9	12.317	12.285	12.381	BB	247678	2486470	100.00%	5.490%
10	13.282	13.245	13.345	BB	203467	2233700	89.83%	4.932%
11	13.729	13.698	13.788	BB	174399	1929122	77.58%	4.259%
12	13.890	13.848	13.955	BB	197006	2208629	88.83%	4.876%
13	14.474	14.395	14.538	BB	197268	2208734	88.83%	4.876%
14	15.571	15.535	15.635	BB	190244	2194637	88.26%	4.845%
15	16.588	16.551	16.645	BB	183596	2158483	86.81%	4.766%
16	17.533	17.384	17.571	BB	171722	2127437	85.56%	4.697%
17	18.417	18.371	18.465	BB	174877	2169215	87.24%	4.789%
18	19.246	19.181	19.301	BB	163903	2107137	84.74%	4.652%
19	20.026	19.961	20.065	BB	135144	1827774	73.51%	4.035%
20	20.764	20.701	20.821	BB	113061	1583364	63.68%	3.496%
21	21.581	21.481	21.620	BBA	83673	1537334	61.83%	3.394%
22	22.624	22.501	22.700	BBA	61618	1557228	62.63%	3.438%
			Sum of corrected areas:			45293588		

Aliphatic EPH 020325.M Tue Feb 11 04:50:22 2025

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

Continuing Calibration Report for SequenceID : FE021025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052316.D**						
Aliphatic C9-C12	5981300.000	60.000	3.682	7.240	99688.333	96184.367	-3.643
Aliphatic C12-C16	4405264.000	40.000	7.241	10.644	110131.600	104714.203	-5.174
Aliphatic C16-C21	6821789.000	60.000	10.645	13.990	113696.483	113022.320	-0.596
Aliphatic C21-C28	8707040.000	80.000	13.991	17.632	108838.000	113998.756	4.527
Aliphatic C28-C40	10575892.000	120.000	17.633	22.724	88132.433	91553.550	3.737
Aliphatic EPH	36491285.000	360.000	3.682	22.724	101364.681	102353.599	0.966

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:	10 Feb 2025 13:30
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052316.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.682	7.240	5981300.000	60.000	ug/ml
Aliphatic C12-C16	7.241	10.644	4405264.000	40.000	ug/ml
Aliphatic C16-C21	10.645	13.990	6821789.000	60.000	ug/ml
Aliphatic C21-C28	13.991	17.632	8707040.000	80.000	ug/ml
Aliphatic C28-C40	17.633	22.724	10575892.000	120.000	ug/ml
Aliphatic EPH	3.682	22.724	36491285.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052316.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 13:30
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 11 03:58:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 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)	12.313	2516909	20.335 ug/ml
Spiked Amount	50.000		Recovery =	40.67%
12) S	1-chlorooctadecane (S...	13.725	1978634	20.049 ug/mlm
Spiked Amount	50.000		Recovery =	40.10%
	Target Compounds			
1) T	n-Nonane (C9)	3.778	1878570	20.112 ug/ml
2) T	n-Decane (C10)	5.006	2003097	20.859 ug/ml
3) T	A~Naphthalene (C11.7)	6.709	2281340	21.346 ug/ml
4) T	n-Dodecane (C12)	7.136	2099633	21.183 ug/mlm
5) T	A~2-methylnaphthalene...	7.790	2249180	21.475 ug/ml
6) T	n-Tetradecane (C14)	8.945	2141228	21.219 ug/ml
7) T	n-Hexadecane (C16)	10.540	2264036	20.864 ug/ml
8) T	n-Octadecane (C18)	11.975	2325938	20.475 ug/mlm
10) T	n-Eicosane (C20)	13.278	2261744	20.042 ug/ml
11) T	n-Heneicosane (C21)	13.887	2234107	19.839 ug/ml
13) T	n-Docosane (C22)	14.470	2224733	19.655 ug/mlm
14) T	n-Tetracosane (C24)	15.568	2204937	19.177 ug/ml
15) T	n-Hexacosane (C26)	16.584	2158109	18.818 ug/ml
16) T	n-Octacosane (C28)	17.530	2119261	18.730 ug/ml
17) T	n-Tricontane (C30)	18.415	2154109	18.904 ug/ml
18) T	n-Dotriacontane (C32)	19.244	2071098	18.996 ug/ml
19) T	n-Tetratriacontane (C34)	20.025	1809019	19.068 ug/ml
20) T	n-Hexatriacontane (C36)	20.762	1560933	18.891 ug/ml
21) T	n-Octatriacontane (C38)	21.577	1485865	20.001 ug/ml
22) T	n-Tetracontane (C40)	22.619	1494868	20.051 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021025AL\
Data File : FE052316.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 13:30
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

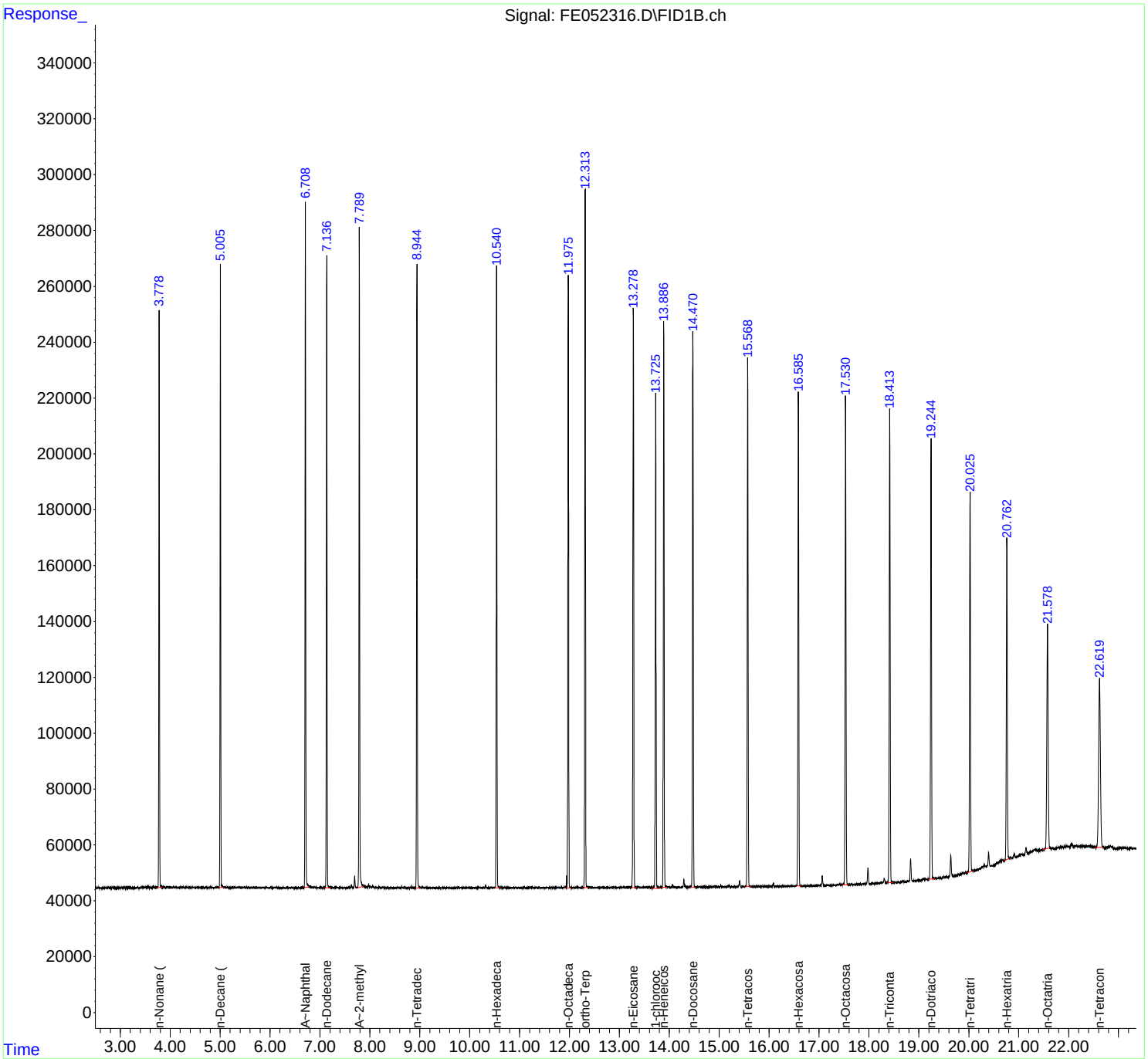
Integration File: autoint1.e
Quant Time: Feb 11 03:58:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.
Quant Title : GC Extractables
QLast Update : Fri Feb 07 07:52:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE02102
Data File : FE052316.D
Signal(s) : FID1B.ch
Acq On : 10 Feb 2025 13:30
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.778	3.738	3.838	BB	206393	1878570	74.64%	4.129%
2	5.006	4.975	5.068	BB	221924	2003097	79.59%	4.403%
3	6.709	6.678	6.785	BB	244188	2281340	90.64%	5.014%
4	7.136	6.988	7.195	BB	222824	2095009	83.24%	4.605%
5	7.790	7.751	7.878	BB	234741	2249180	89.36%	4.943%
6	8.945	8.915	9.008	BB	223285	2141228	85.07%	4.706%
7	10.540	10.505	10.611	BB	221794	2264036	89.95%	4.976%
8	11.975	11.868	12.041	BB	218674	2336804	92.84%	5.136%
9	12.313	12.278	12.375	BB	250427	2516909	100.00%	5.532%
10	13.278	13.241	13.345	BB	207126	2261744	89.86%	4.971%
11	13.725	13.688	13.788	BB	176864	1951125	77.52%	4.288%
12	13.887	13.851	13.955	BB	200790	2234107	88.76%	4.910%
13	14.470	14.395	14.531	BB	199033	2226468	88.46%	4.894%
14	15.568	15.535	15.631	BB	188275	2204937	87.60%	4.846%
15	16.584	16.548	16.641	BB	176643	2158109	85.74%	4.743%
16	17.530	17.461	17.588	BB	174593	2119261	84.20%	4.658%
17	18.415	18.365	18.478	BB	168643	2154109	85.59%	4.735%
18	19.244	19.195	19.311	BB	158451	2071098	82.29%	4.552%
19	20.025	19.961	20.088	BB	135900	1809019	71.87%	3.976%
20	20.762	20.701	20.815	BB	114714	1560933	62.02%	3.431%
21	21.577	21.481	21.620	BBA	80482	1485865	59.04%	3.266%
22	22.619	22.518	22.700	BBA	60440	1494868	59.39%	3.286%
			Sum of corrected areas:			45497812		

Aliphatic EPH 020325.M Tue Feb 11 04:51:01 2025

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

Continuing Calibration Report for SequenceID : FF020725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015484.D**						
Aromatic C10-C12	5797554.000	40.000	4.505	6.374	144938.850	138122.380	-4.935
Aromatic C12-C16	8485381.000	60.000	6.375	9.068	141423.017	134164.851	-5.410
Aromatic C16-C21	9988045.000	80.000	9.069	13.385	124850.563	123200.544	-1.339
Aromatic C21-C36	21911424.000	180.000	13.386	18.838	121730.133	117776.385	-3.357
Aromatic EPH	46182404.000	360.000	4.505	18.838	128284.456	123973.831	-3.477

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:	07 Feb 2025 10:40
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015484.D	Misc:	
Instrument:	FID_F	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.505	6.374	5797554.000	40.000	ug/ml
Aromatic C12-C16	6.375	9.068	8485381.000	60.000	ug/ml
Aromatic C16-C21	9.069	13.385	9988045.000	80.000	ug/ml
Aromatic C21-C36	13.386	18.838	21911424.000	180.000	ug/ml
Aromatic EPH	4.505	18.838	46182404.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015484.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 10:40
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:31:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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...	7.995	2552487	21.476 ug/ml
Spiked Amount	50.000		Recovery =	42.95%
6) S	2-Flurobiphenyl (SURR)	8.871	1566487	20.627 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	41.25%
11) S	ortho-Terphenyl (SURR)	11.932	2783597	21.107 ug/ml
Spiked Amount	50.000		Recovery =	42.21%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.605	2905052	20.974 ug/ml
2) T	Naphthalene (C11.7)	6.274	2892502	21.000 ug/ml
3) T	2-Methylnaphthalene (...	7.369	2773631	20.865 ug/ml
5) T	Acenaphthylene (C15.06)	8.669	2835722	20.972 ug/ml
7) T	Acenaphthene (C15.5)	8.968	2876028	21.407 ug/ml
8) T	Flouorene (C16.55)	9.757	2700170	20.792 ug/ml
9) T	Phenanthrene (C19.36)	11.164	2470851	20.355 ug/ml
10) T	Anthracene (C19.43)	11.239	2260415	18.860 ug/ml
12) T	Fluoranthene (C21.85)	12.986	2538068	20.866 ug/ml
13) T	Pyrene (C20.8)	13.285	2556609	21.009 ug/ml
14) T	Benzo[a]anthracene (C...	15.168	2063654	18.924 ug/ml
15) T	Chrysene (C27.41)	15.210	2643159	22.168 ug/ml
16) T	benzo[b]fluoranthene ...	16.728	2335976	20.239 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.759	2632039	21.795 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.111	2369929	21.122 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.482	2091999	18.978 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.522	2636048	21.357 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.738	2600552	20.313 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015484.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 10:40
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 62 Sample Multiplier: 1

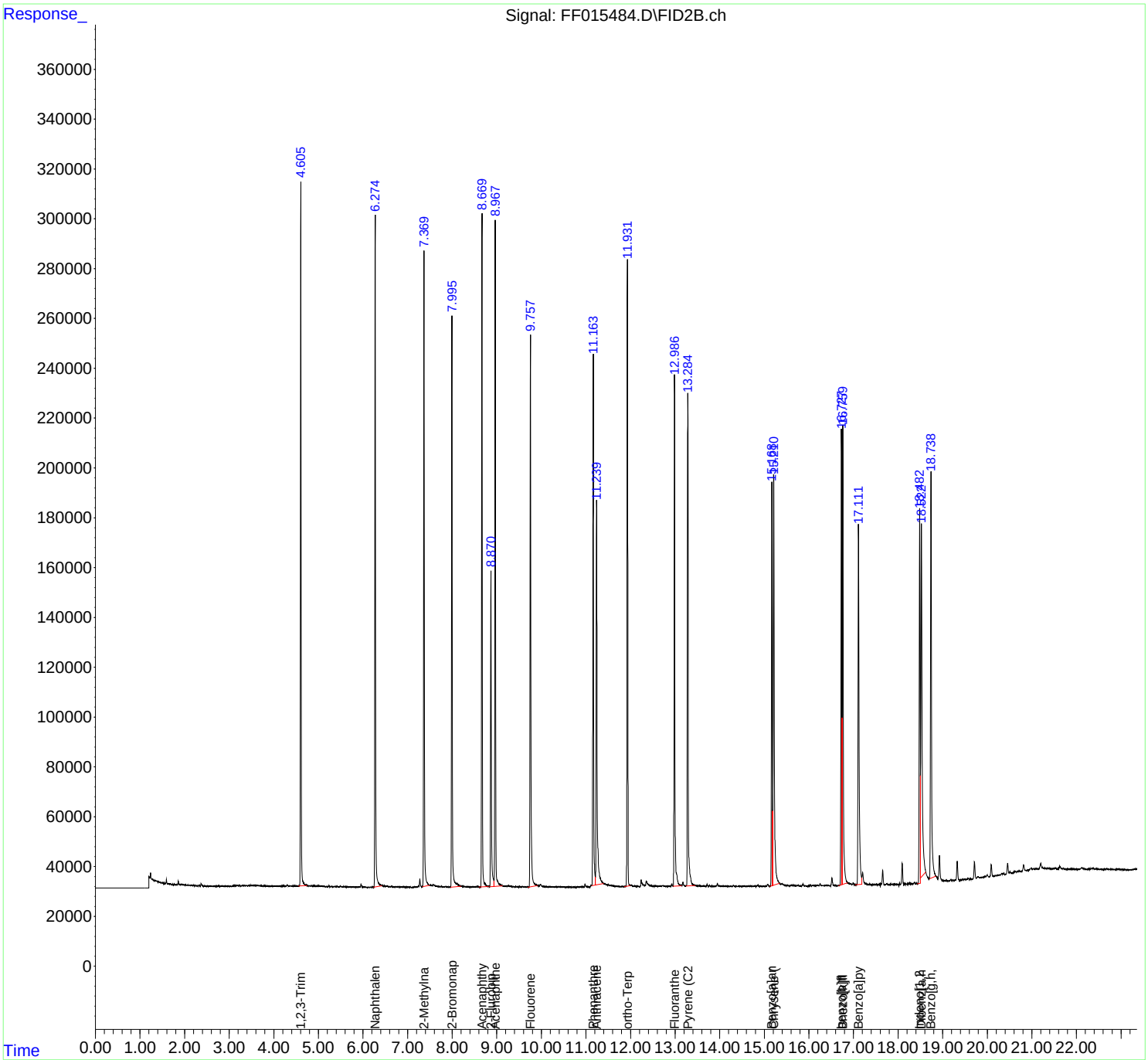
Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:31:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015484.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 10:40
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.605	4.550	4.754	BB	282556	2905052	100.00%	5.480%
2	6.274	6.230	6.429	BB	269427	2892502	99.57%	5.457%
3	7.369	7.330	7.494	BV	254819	2773631	95.48%	5.232%
4	7.995	7.959	8.199	BB	229327	2552487	87.86%	4.815%
5	8.669	8.604	8.820	BB	269656	2835722	97.61%	5.350%
6	8.871	8.830	8.939	BV	126732	1566487	53.92%	2.955%
7	8.968	8.939	9.129	VB	267420	2876028	99.00%	5.426%
8	9.757	9.705	9.920	BB	221104	2700170	92.95%	5.094%
9	11.164	11.120	11.212	BV	213242	2470851	85.05%	4.661%
10	11.239	11.212	11.400	VBA	154462	2260415	77.81%	4.264%
11	11.932	11.864	11.997	BB	251927	2783597	95.82%	5.251%
12	12.986	12.949	13.150	PB	204150	2538068	87.37%	4.788%
13	13.285	13.240	13.454	BB	197466	2556609	88.01%	4.823%
14	15.168	15.119	15.188	BV	162509	2063654	71.04%	3.893%
15	15.210	15.188	15.340	VBA	165044	2643159	90.98%	4.986%
16	16.728	16.660	16.743	BV	183367	2335976	80.41%	4.407%
17	16.759	16.743	16.870	VBA	184323	2632039	90.60%	4.965%
18	17.111	17.044	17.185	BV	144235	2369929	81.58%	4.471%
19	18.483	18.395	18.502	BV	148327	2015416	69.38%	3.802%
20	18.522	18.502	18.620	VBA	141755	2636048	90.74%	4.973%
21	18.738	18.700	18.850	BBA	162553	2600552	89.52%	4.906%
			Sum of corrected areas:			53008393		

Aromatic EPH 020525.M Mon Feb 10 01:43:38 2025

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

Continuing Calibration Report for SequenceID : FF020725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015496.D**						
Aromatic C10-C12	5546906.000	40.000	4.505	6.374	138672.650	138122.380	-0.398
Aromatic C12-C16	8190964.000	60.000	6.375	9.068	136516.067	134164.851	-1.752
Aromatic C16-C21	9921308.000	80.000	9.069	13.385	124016.350	123200.544	-0.662
Aromatic C21-C36	21175365.000	180.000	13.386	18.838	117640.917	117776.385	0.115
Aromatic EPH	44834543.000	360.000	4.505	18.838	124540.397	123973.831	-0.457

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:	07 Feb 2025 16:50
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015496.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.505	6.374	5546906.000	40.000	ug/ml
Aromatic C12-C16	6.375	9.068	8190964.000	60.000	ug/ml
Aromatic C16-C21	9.069	13.385	9921308.000	80.000	ug/ml
Aromatic C21-C36	13.386	18.838	21175365.000	180.000	ug/ml
Aromatic EPH	4.505	18.838	44834543.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015496.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:50
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:36:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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...	7.995	2424427	20.398 ug/ml
Spiked Amount	50.000		Recovery =	40.80%
6) S	2-Flurobiphenyl (SURR)	8.871	1517869	19.987 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.97%
11) S	ortho-Terphenyl (SURR)	11.933	2685346	20.362 ug/ml
Spiked Amount	50.000		Recovery =	40.72%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.606	2771852	20.013 ug/ml
2) T	Naphthalene (C11.7)	6.275	2775054	20.147 ug/ml
3) T	2-Methylnaphthalene (...	7.369	2667565	20.067 ug/ml
5) T	Acenaphthylene (C15.06)	8.670	2764695	20.447 ug/ml
7) T	Acenaphthene (C15.5)	8.969	2758704	20.534 ug/ml
8) T	Flouorene (C16.55)	9.759	2627636	20.233 ug/ml
9) T	Phenanthrene (C19.36)	11.165	2426239	19.988 ug/ml
10) T	Anthracene (C19.43)	11.240	2392686	19.963 ug/ml
12) T	Fluoranthene (C21.85)	12.987	2451768	20.157 ug/ml
13) T	Pyrene (C20.8)	13.285	2474747	20.336 ug/ml
14) T	Benzo[a]anthracene (C...	15.168	2033010	18.643 ug/ml
15) T	Chrysene (C27.41)	15.210	2503254	20.994 ug/ml
16) T	benzo[b]fluoranthene ...	16.728	2252033	19.511 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.759	2490028	20.619 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.110	2335622	20.816 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.484	2073231	18.808 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.523	2512488	20.356 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.739	2523931	19.715 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015496.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:50
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

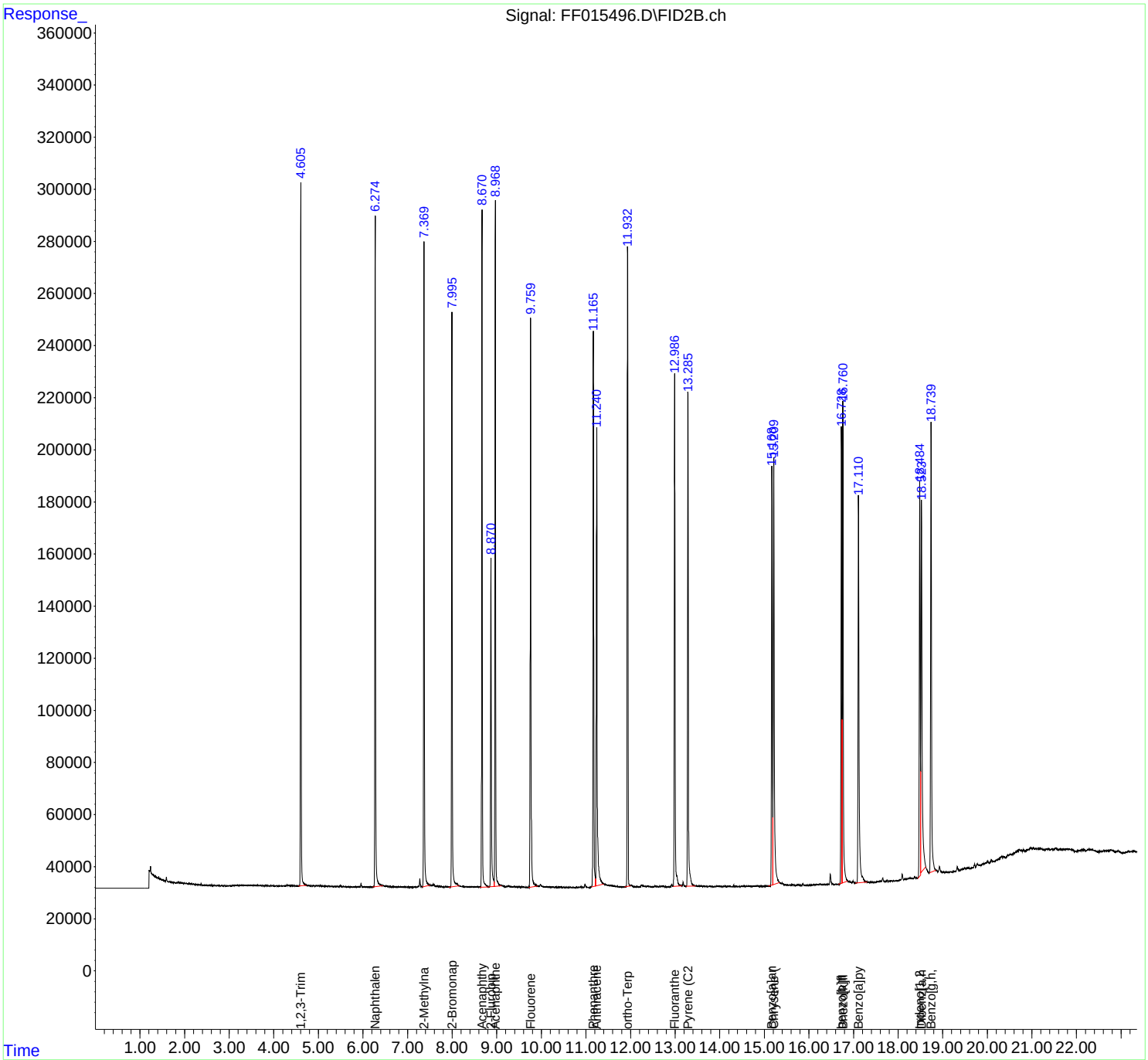
Integration File: autoint1.e
Quant Time: Feb 10 00:36:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



Instrument :
FID_F
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015496.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 16:50
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.606	4.551	4.736	BB	269827	2771852	99.88%	5.392%
2	6.275	6.216	6.446	BB	256866	2775054	100.00%	5.398%
3	7.369	7.329	7.497	BV	247594	2667565	96.13%	5.189%
4	7.995	7.926	8.156	BB	220426	2424427	87.37%	4.716%
5	8.670	8.627	8.827	BB	259579	2764695	99.63%	5.378%
6	8.871	8.831	8.941	BV	125776	1517869	54.70%	2.953%
7	8.969	8.941	9.109	VB	263263	2758704	99.41%	5.366%
8	9.759	9.717	9.917	BB	218614	2627636	94.69%	5.111%
9	11.165	11.121	11.214	BV	212972	2426239	87.43%	4.719%
10	11.240	11.214	11.401	VBA	176307	2392686	86.22%	4.654%
11	11.933	11.864	12.002	BB	245829	2685346	96.77%	5.224%
12	12.987	12.951	13.152	PB	196678	2451768	88.35%	4.769%
13	13.285	13.241	13.456	BB	190191	2474747	89.18%	4.814%
14	15.168	15.096	15.189	BV	159549	2033010	73.26%	3.955%
15	15.210	15.189	15.341	VBA	163649	2503254	90.21%	4.869%
16	16.728	16.661	16.743	BV	174538	2252033	81.15%	4.381%
17	16.759	16.743	16.871	VBA	185240	2490028	89.73%	4.844%
18	17.110	17.046	17.302	BB	148613	2335622	84.16%	4.543%
19	18.484	18.401	18.503	BV	149818	2019941	72.79%	3.929%
20	18.523	18.503	18.621	VBA	142550	2512488	90.54%	4.887%
21	18.739	18.701	18.850	BBA	172991	2523931	90.95%	4.910%
			Sum of corrected areas:			51408894		

Aromatic EPH 020525.M Mon Feb 10 01:44:32 2025

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

Continuing Calibration Report for SequenceID : FF020725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015509.D**						
Aromatic C10-C12	5582246.000	40.000	4.505	6.374	139556.150	138122.380	-1.038
Aromatic C12-C16	8207843.000	60.000	6.375	9.068	136797.383	134164.851	-1.962
Aromatic C16-C21	9858666.000	80.000	9.069	13.385	123233.325	123200.544	-0.027
Aromatic C21-C36	21042540.000	180.000	13.386	18.838	116903.000	117776.385	0.742
Aromatic EPH	44691295.000	360.000	4.505	18.838	124142.486	123973.831	-0.136

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:	08 Feb 2025 04:45
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015509.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.505	6.374	5582246.000	40.000	ug/ml
Aromatic C12-C16	6.375	9.068	8207843.000	60.000	ug/ml
Aromatic C16-C21	9.069	13.385	9858666.000	80.000	ug/ml
Aromatic C21-C36	13.386	18.838	21042540.000	180.000	ug/ml
Aromatic EPH	4.505	18.838	44691295.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015509.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 04:45
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 10 00:41:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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...	7.996	2418647	20.350 ug/ml
Spiked Amount	50.000		Recovery =	40.70%
6) S	2-Flurobiphenyl (SURR)	8.871	1509561	19.878 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.76%
11) S	ortho-Terphenyl (SURR)	11.932	2687564	20.379 ug/ml
Spiked Amount	50.000		Recovery =	40.76%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.606	2800584	20.220 ug/ml
2) T	Naphthalene (C11.7)	6.275	2781662	20.195 ug/ml
3) T	2-Methylnaphthalene (...	7.370	2663741	20.038 ug/ml
5) T	Acenaphthylene (C15.06)	8.670	2763909	20.441 ug/ml
7) T	Acenaphthene (C15.5)	8.969	2780193	20.694 ug/ml
8) T	Flouorene (C16.55)	9.758	2620490	20.178 ug/ml
9) T	Phenanthrene (C19.36)	11.165	2409630	19.851 ug/ml
10) T	Anthracene (C19.43)	11.241	2363732	19.722 ug/ml
12) T	Fluoranthene (C21.85)	12.987	2442268	20.079 ug/ml
13) T	Pyrene (C20.8)	13.285	2464814	20.254 ug/ml
14) T	Benzo[a]anthracene (C...	15.167	2022351	18.545 ug/mlm
15) T	Chrysene (C27.41)	15.210	2485727	20.847 ug/ml
16) T	benzo[b]fluoranthene ...	16.729	2257432	19.558 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.760	2480762	20.542 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.111	2345875	20.908 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.484	2025179	18.372 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.523	2445694	19.815 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.739	2537252	19.819 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020725AR\
Data File : FF015509.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 04:45
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

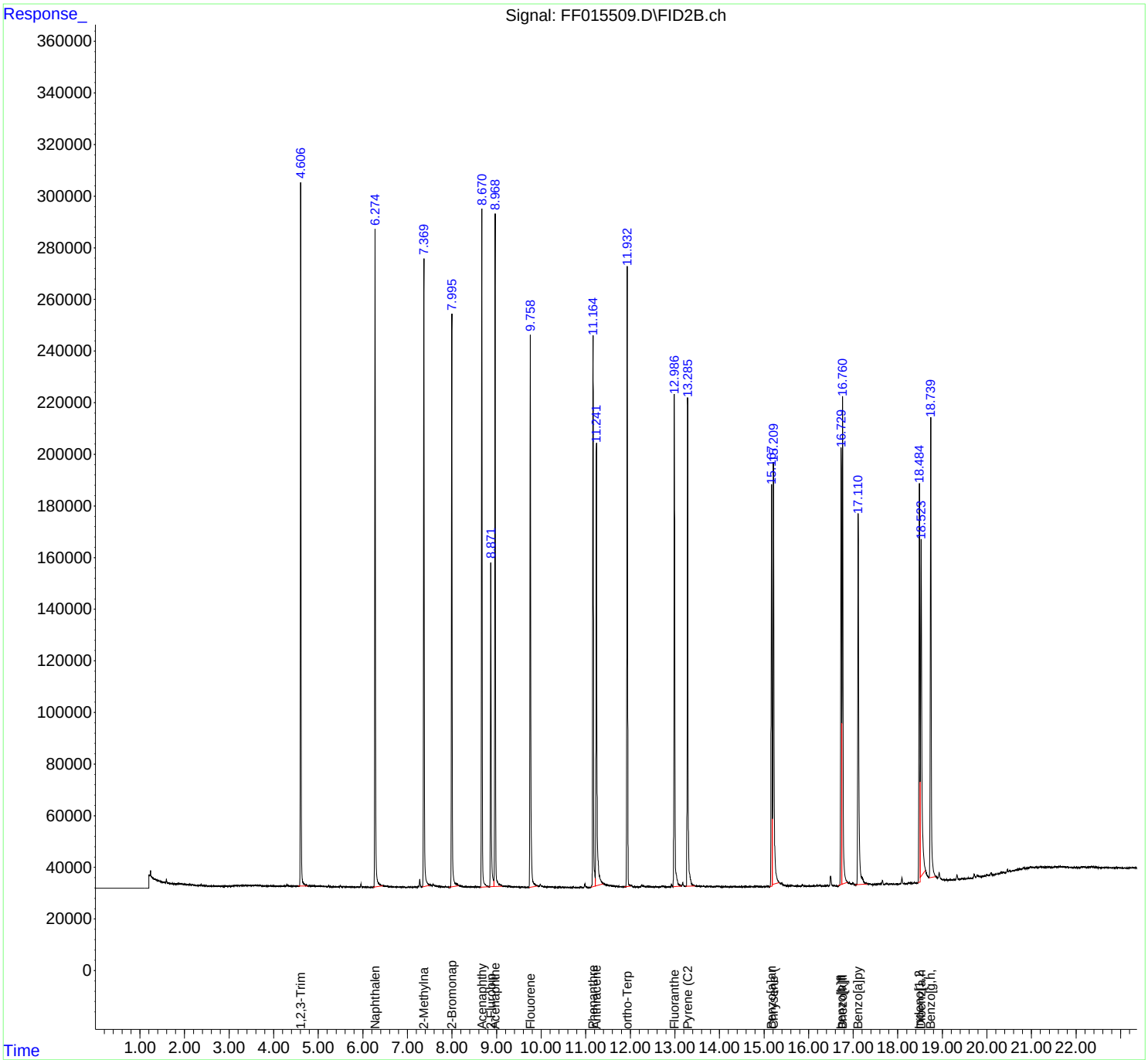
Integration File: autoint1.e
Quant Time: Feb 10 00:41:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



Instrument :
FID_F
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02072
Data File : FF015509.D
Signal(s) : FID2B.ch
Acq On : 08 Feb 2025 04:45
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.606	4.551	4.762	BB	271551	2800584	100.00%	5.466%
2	6.275	6.229	6.449	BB	254568	2781662	99.32%	5.429%
3	7.370	7.331	7.499	BV	243008	2663741	95.11%	5.199%
4	7.996	7.929	8.149	BB	221540	2418647	86.36%	4.721%
5	8.670	8.629	8.821	BB	263010	2763909	98.69%	5.395%
6	8.871	8.831	8.942	BV	125464	1509561	53.90%	2.946%
7	8.969	8.942	9.127	VB	260354	2780193	99.27%	5.426%
8	9.758	9.726	9.919	BB	214380	2620490	93.57%	5.115%
9	11.165	11.121	11.214	BV	213309	2409630	86.04%	4.703%
10	11.241	11.214	11.401	VBA	171509	2363732	84.40%	4.614%
11	11.932	11.864	12.006	BV	240307	2687564	95.96%	5.246%
12	12.987	12.954	13.147	PB	190814	2442268	87.21%	4.767%
13	13.285	13.241	13.449	BB	189141	2464814	88.01%	4.811%
14	15.168	15.032	15.188	BV	154974	1981705	70.76%	3.868%
15	15.210	15.188	15.341	VBA	163227	2485727	88.76%	4.852%
16	16.729	16.661	16.744	BV	169213	2257432	80.61%	4.406%
17	16.760	16.744	16.871	VBA	188868	2480762	88.58%	4.842%
18	17.111	17.044	17.321	BB	142786	2345875	83.76%	4.579%
19	18.484	18.414	18.502	BV	152592	1992455	71.14%	3.889%
20	18.523	18.502	18.621	VBA	130410	2445694	87.33%	4.774%
21	18.739	18.701	18.850	BBA	177938	2537252	90.60%	4.952%
			Sum of corrected areas:			51233694		

Aromatic EPH 020525.M Mon Feb 10 01:45:12 2025

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

Continuing Calibration Report for SequenceID : FF021025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015512.D**						
Aromatic C10-C12	6089611.000	40.000	4.505	6.373	152240.275	138122.380	-10.221
Aromatic C12-C16	8823400.000	60.000	6.374	9.067	147056.667	134164.851	-9.609
Aromatic C16-C21	10470472.000	80.000	9.068	13.385	130880.900	123200.544	-6.234
Aromatic C21-C36	22152034.000	180.000	13.386	18.840	123066.856	117776.385	-4.492
Aromatic EPH	47535517.000	360.000	4.505	18.840	132043.103	123973.831	-6.509

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:	10 Feb 2025 09:17
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015512.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.505	6.373	6089611.000	40.000	ug/ml
Aromatic C12-C16	6.374	9.067	8823400.000	60.000	ug/ml
Aromatic C16-C21	9.068	13.385	10470472.000	80.000	ug/ml
Aromatic C21-C36	13.386	18.840	22152034.000	180.000	ug/ml
Aromatic EPH	4.505	18.840	47535517.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015512.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:17
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 11 02:32:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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...	7.994	2644415	22.249 ug/ml
Spiked Amount	50.000		Recovery =	44.50%
6) S	2-Flurobiphenyl (SURR)	8.870	1605012	21.135 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	42.27%
11) S	ortho-Terphenyl (SURR)	11.931	2916331	22.113 ug/ml
Spiked Amount	50.000		Recovery =	44.23%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.605	3073083	22.187 ug/ml
2) T	Naphthalene (C11.7)	6.273	3016528	21.900 ug/ml
3) T	2-Methylnaphthalene (...	7.368	2869468	21.586 ug/ml
5) T	Acenaphthylene (C15.06)	8.668	2975887	22.009 ug/ml
7) T	Acenaphthene (C15.5)	8.967	2978045	22.167 ug/ml
8) T	Flouorene (C16.55)	9.757	2778766	21.397 ug/ml
9) T	Phenanthrene (C19.36)	11.163	2567647	21.153 ug/ml
10) T	Anthracene (C19.43)	11.239	2467559	20.588 ug/ml
12) T	Fluoranthene (C21.85)	12.986	2632299	21.641 ug/ml
13) T	Pyrene (C20.8)	13.285	2656500	21.829 ug/ml
14) T	Benzo[a]anthracene (C...	15.168	2137607	19.602 ug/ml
15) T	Chrysene (C27.41)	15.209	2584739	21.678 ug/ml
16) T	benzo[b]fluoranthene ...	16.728	2462385	21.334 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.760	2636277	21.830 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.110	2414444	21.519 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.484	2148583	19.492 ug/ml
20) T	Dibenz[a,h]anthracene...	18.522	2414723	19.564 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.740	2720977	21.254 ug/ml

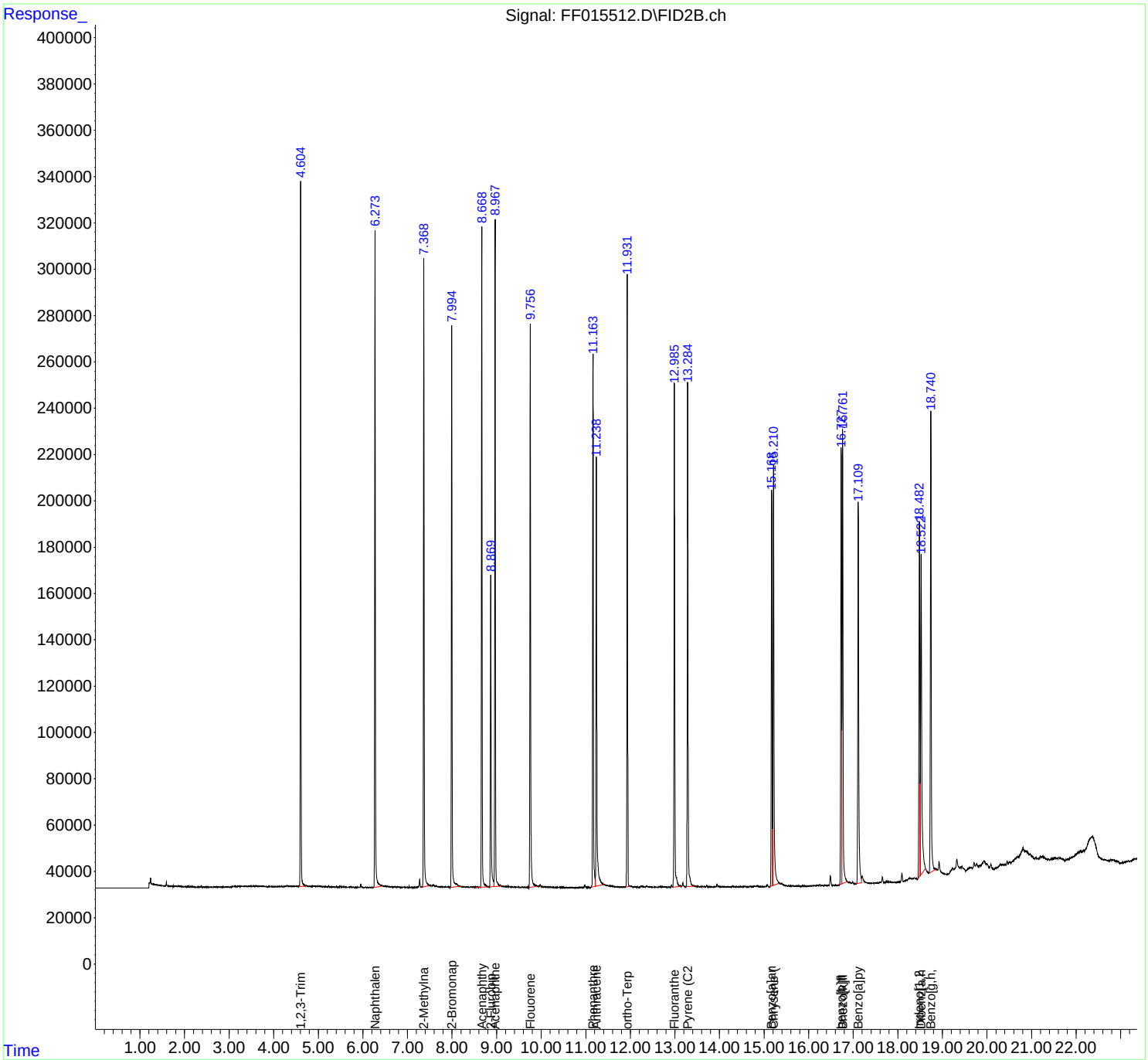
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015512.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:17
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 11 02:32:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015512.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 09:17
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.605	4.551	4.714	BB	303341	3073083	100.00%	5.618%
2	6.273	6.242	6.437	BB	283835	3016528	98.16%	5.515%
3	7.368	7.327	7.492	BV	270571	2869468	93.37%	5.246%
4	7.994	7.956	8.171	BB	242682	2644415	86.05%	4.834%
5	8.668	8.536	8.814	BB	285741	2975887	96.84%	5.440%
6	8.870	8.831	8.939	BV	134273	1605012	52.23%	2.934%
7	8.967	8.939	9.104	VB	287726	2978045	96.91%	5.444%
8	9.757	9.724	9.916	BB	242572	2778766	90.42%	5.080%
9	11.163	11.121	11.212	BV	229734	2567647	83.55%	4.694%
10	11.239	11.212	11.401	VBA	185526	2467559	80.30%	4.511%
11	11.931	11.887	12.001	BB	264359	2916331	94.90%	5.331%
12	12.986	12.947	13.151	PB	218101	2632299	85.66%	4.812%
13	13.285	13.241	13.439	BB	217390	2656500	86.44%	4.856%
14	15.168	15.111	15.188	BV	170716	2137607	69.56%	3.908%
15	15.209	15.188	15.341	VBA	181016	2584739	84.11%	4.725%
16	16.728	16.661	16.744	BV	189085	2462385	80.13%	4.502%
17	16.760	16.744	16.871	VBA	196645	2636277	85.79%	4.819%
18	17.110	17.044	17.187	BV	163619	2414444	78.57%	4.414%
19	18.484	18.439	18.502	PV	152021	2148583	69.92%	3.928%
20	18.522	18.502	18.621	VBA	138482	2414723	78.58%	4.414%
21	18.740	18.701	18.850	BBA	196683	2720977	88.54%	4.974%
			Sum of corrected areas:			54701276		

Aromatic EPH 020525.M Tue Feb 11 03:04:02 2025

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

Continuing Calibration Report for SequenceID : FF021025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015516.D**						
Aromatic C10-C12	6139325.000	40.000	4.505	6.373	153483.125	138122.380	-11.121
Aromatic C12-C16	8965336.000	60.000	6.374	9.067	149422.267	134164.851	-11.372
Aromatic C16-C21	10806766.000	80.000	9.068	13.385	135084.575	123200.544	-9.646
Aromatic C21-C36	23162339.000	180.000	13.386	18.840	128679.661	117776.385	-9.258
Aromatic EPH	49073766.000	360.000	4.505	18.840	136316.017	123973.831	-9.955

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:	10 Feb 2025 11:14
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015516.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.505	6.373	6139325.000	40.000	ug/ml
Aromatic C12-C16	6.374	9.067	8965336.000	60.000	ug/ml
Aromatic C16-C21	9.068	13.385	10806766.000	80.000	ug/ml
Aromatic C21-C36	13.386	18.840	23162339.000	180.000	ug/ml
Aromatic EPH	4.505	18.840	49073766.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015516.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 11:14
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Feb 11 02:34:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.996	2656053	22.347 ug/ml
	Spiked Amount 50.000		Recovery =	44.69%
6)	S 2-Flurobiphenyl (SURR)	8.871	1644575	21.656 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	43.31%
11)	S ortho-Terphenyl (SURR)	11.933	2963173	22.468 ug/ml
	Spiked Amount 50.000		Recovery =	44.94%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.606	3094165	22.340 ug/ml
2)	T Naphthalene (C11.7)	6.275	3045160	22.108 ug/ml
3)	T 2-Methylnaphthalene (...	7.370	2909420	21.887 ug/ml
5)	T Acenaphthylene (C15.06)	8.670	3020819	22.341 ug/ml
7)	T Acenaphthene (C15.5)	8.969	3035097	22.591 ug/ml
8)	T Flouorene (C16.55)	9.758	2865104	22.062 ug/ml
9)	T Phenanthrene (C19.36)	11.165	2645984	21.798 ug/ml
10)	T Anthracene (C19.43)	11.240	2557282	21.336 ug/ml
12)	T Fluoranthene (C21.85)	12.987	2719698	22.360 ug/ml
13)	T Pyrene (C20.8)	13.285	2738396	22.502 ug/ml
14)	T Benzo[a]anthracene (C...	15.168	2212855	20.292 ug/ml
15)	T Chrysene (C27.41)	15.210	2697920	22.627 ug/ml
16)	T benzo[b]fluoranthene ...	16.729	2511379	21.758 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.761	2717434	22.502 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.110	2474330	22.053 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.485	2136963	19.386 ug/mlm
20)	T Dibenz[a,h]anthracene...	18.522	2915256	23.619 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.739	2776504	21.688 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF021025AR\
Data File : FF015516.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 11:14
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

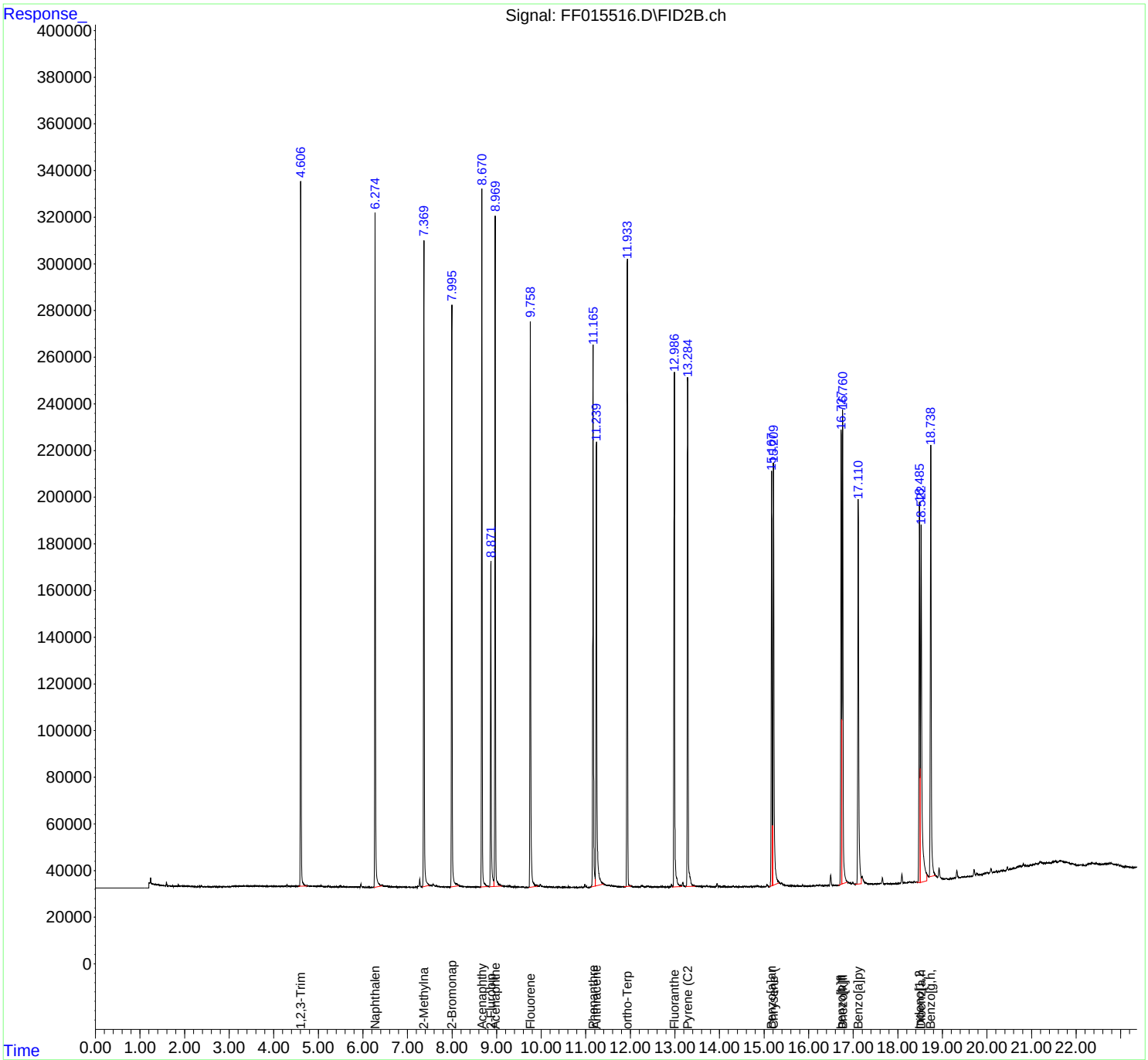
Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 11 02:34:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Quant Title : GC Extractables
QLast Update : Thu Feb 06 05:23:26 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_F
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02102
Data File : FF015516.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 11:14
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.606	4.550	4.750	BB	302093	3094165	100.00%	5.523%
2	6.275	6.244	6.440	BB	288512	3045160	98.42%	5.435%
3	7.370	7.330	7.494	BV	275690	2909420	94.03%	5.193%
4	7.996	7.965	8.154	BB	249165	2656053	85.84%	4.741%
5	8.670	8.630	8.804	BB	299013	3020819	97.63%	5.392%
6	8.871	8.830	8.942	BV	139368	1644575	53.15%	2.935%
7	8.969	8.942	9.120	VB	287134	3035097	98.09%	5.417%
8	9.758	9.725	9.934	BB	241921	2865104	92.60%	5.114%
9	11.165	11.120	11.214	BV	232963	2645984	85.52%	4.723%
10	11.240	11.214	11.400	VBA	189853	2557282	82.65%	4.564%
11	11.933	11.864	12.010	BB	268476	2963173	95.77%	5.289%
12	12.987	12.944	13.152	PV	220539	2719698	87.90%	4.854%
13	13.285	13.240	13.455	BB	218756	2738396	88.50%	4.888%
14	15.168	15.112	15.188	BV	177846	2212855	71.52%	3.950%
15	15.210	15.188	15.340	VBA	179887	2697920	87.19%	4.815%
16	16.729	16.660	16.744	BV	194195	2511379	81.17%	4.482%
17	16.761	16.744	16.870	VBA	203247	2717434	87.82%	4.850%
18	17.110	17.044	17.184	BV	165306	2474330	79.97%	4.416%
19	18.485	18.412	18.502	BV	161706	2160374	69.82%	3.856%
20	18.522	18.502	18.620	VBA	150647	2582195	83.45%	4.609%
21	18.739	18.700	18.850	BBA	184821	2776504	89.73%	4.956%
			Sum of corrected areas:			56027916		

Aromatic EPH 020525.M Tue Feb 11 03:04:53 2025

QC SAMPLE DATA

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BL	SDG No.:	Q1308
Lab Sample ID:	PB166603BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 11:54	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC068229.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC068229.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC068229.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC068229.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC068229.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD049052.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD049052.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD049052.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD049052.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BL	SDG No.:	Q1308
Lab Sample ID:	PB166603BL	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
FC068229.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.3		40 - 140	85%	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:	PB166603BL	Acq On:	07 Feb 2025 11:54
Client Sample ID:	PB166603BL	Operator:	YP/AJ
Data file:	FC068229.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	3.111	6.377	0	0	300	ug/ml
Aliphatic C12-C16	6.378	9.762	0	0	200	ug/ml
Aliphatic C16-C21	9.763	13.116	0	0	300	ug/ml
Aliphatic C21-C28	13.117	16.769	0	0	400	ug/ml
Aliphatic C28-C40	16.770	21.574	0	0	600	ug/ml
Aliphatic EPH	3.111	21.574	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.848	12.848	4867981	42.33		ug/ml
Aliphatic C9-C28	3.111	16.769	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068229.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:54
Operator : YP/AJ
Sample : PB166603BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166603BL

Integration File: autoint1.e
Quant Time: Feb 07 22:13:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.848	4867981	42.329 ug/ml
Spiked Amount 50.000		Recovery = 84.66%	
Target Compounds			

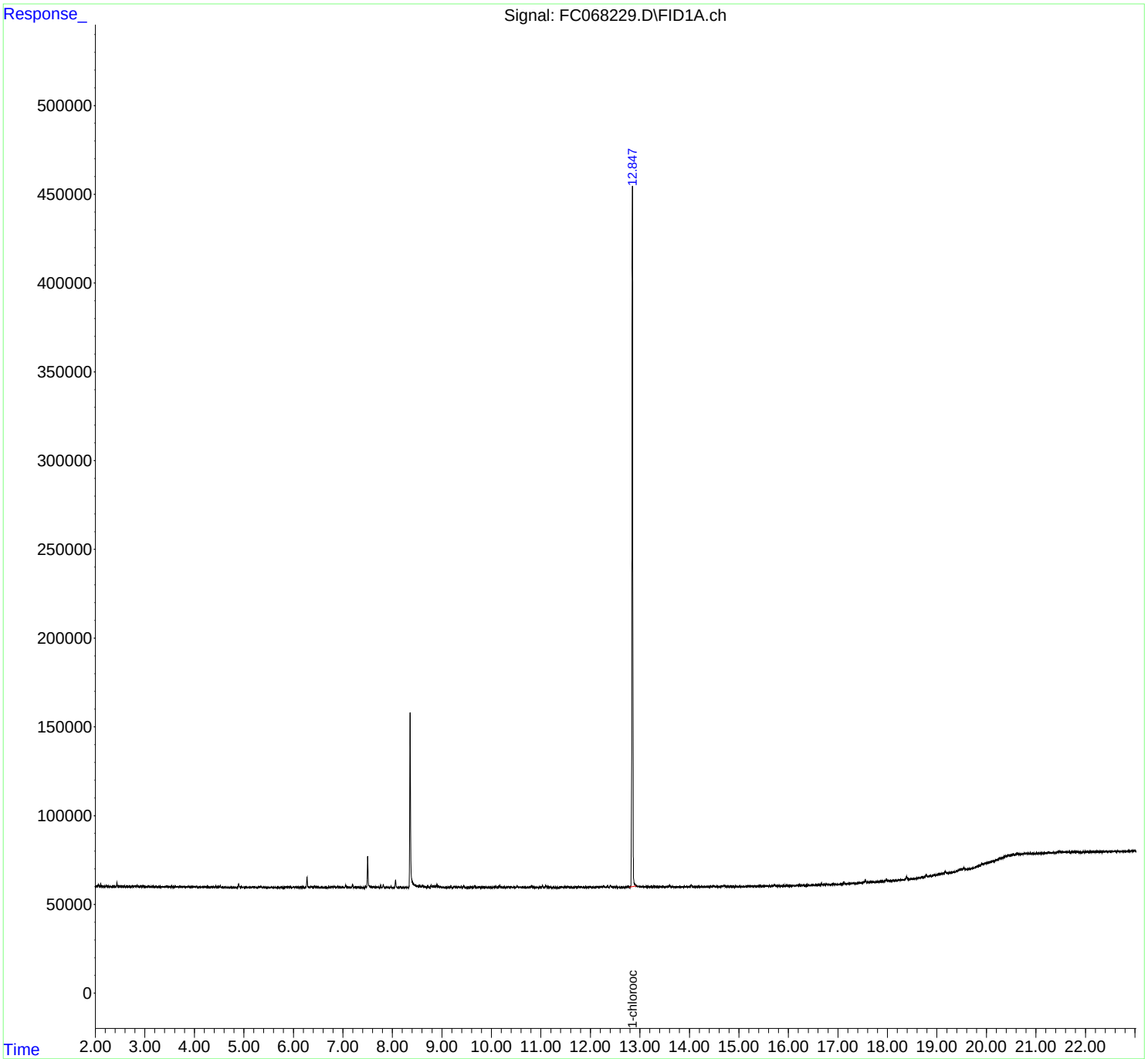
(f)=RT Delta > 1/2 Window (m)=manual int.

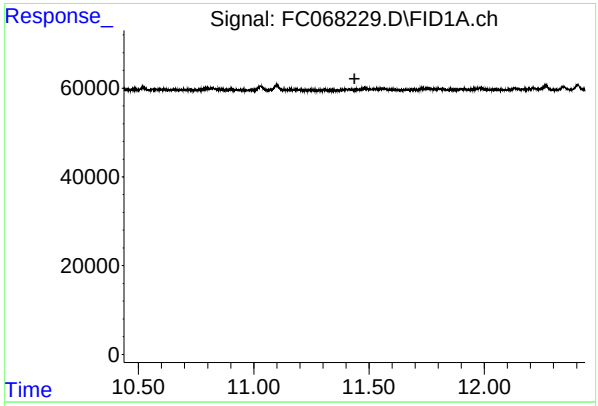
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068229.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:54
Operator : YP/AJ
Sample : PB166603BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166603BL

Integration File: autoint1.e
Quant Time: Feb 07 22:13:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

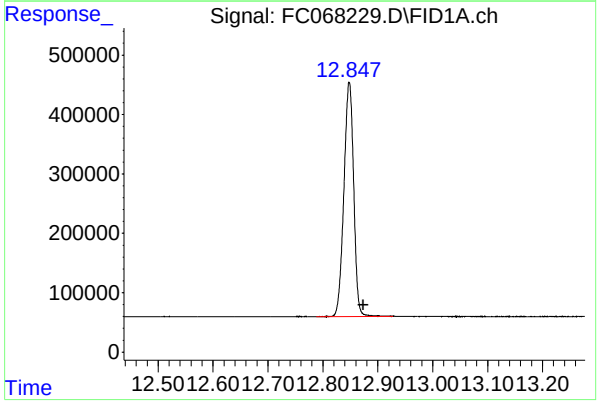




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB166603BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.848 min
Delta R.T.: -0.026 min
Response: 4867981
Conc: 42.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068229.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:54
Sample : PB166603BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	12.848	12.788	12.928	BB	395303	4867981	100.00%	100.000%

Sum of corrected areas: 4867981

Aliphatic EPH 012425.M Fri Feb 07 23:03:04 2025

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BL	SDG No.:	Q1308
Lab Sample ID:	PB166603BL	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
FD049052.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.7		40 - 140	93%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.7		40 - 140	79%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166603BL	Acq On:	07 Feb 2025 11:18
Client Sample ID:	PB166603BL	Operator:	YP/AJ
Data file:	FD049052.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	0	0	200	ug/ml
Aromatic C12-C16	5.795	8.398	0	0	300	ug/ml
Aromatic C16-C21	8.399	12.662	0	0	500	ug/ml
Aromatic C21-C36	12.663	18.072	0	0	800	ug/ml
Aromatic EPH	4.076	18.072	0	0		ug/ml
ortho-Terphenyl (SURR)	11.238	11.238	6531731	39.72		ug/ml
2-Bromonaphthalene (SURR)	7.353	7.353	6645048	46.69		ug/ml
2-Flurobiphenyl (SURR)	8.204	8.204	3110138	36.55		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049052.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:18
Operator : YP/AJ
Sample : PB166603BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166603BL

Integration File: autoint1.e
Quant Time: Feb 07 23:56:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.353	6645048	46.690 ug/ml
Spiked Amount 50.000		Recovery =	93.38%
6) S 2-Flurobiphenyl (SURR)	8.204	3110138	36.552 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	73.10%
11) S ortho-Terphenyl (SURR)	11.238	6531731	39.718 ug/ml
Spiked Amount 50.000		Recovery =	79.44%
Target Compounds			

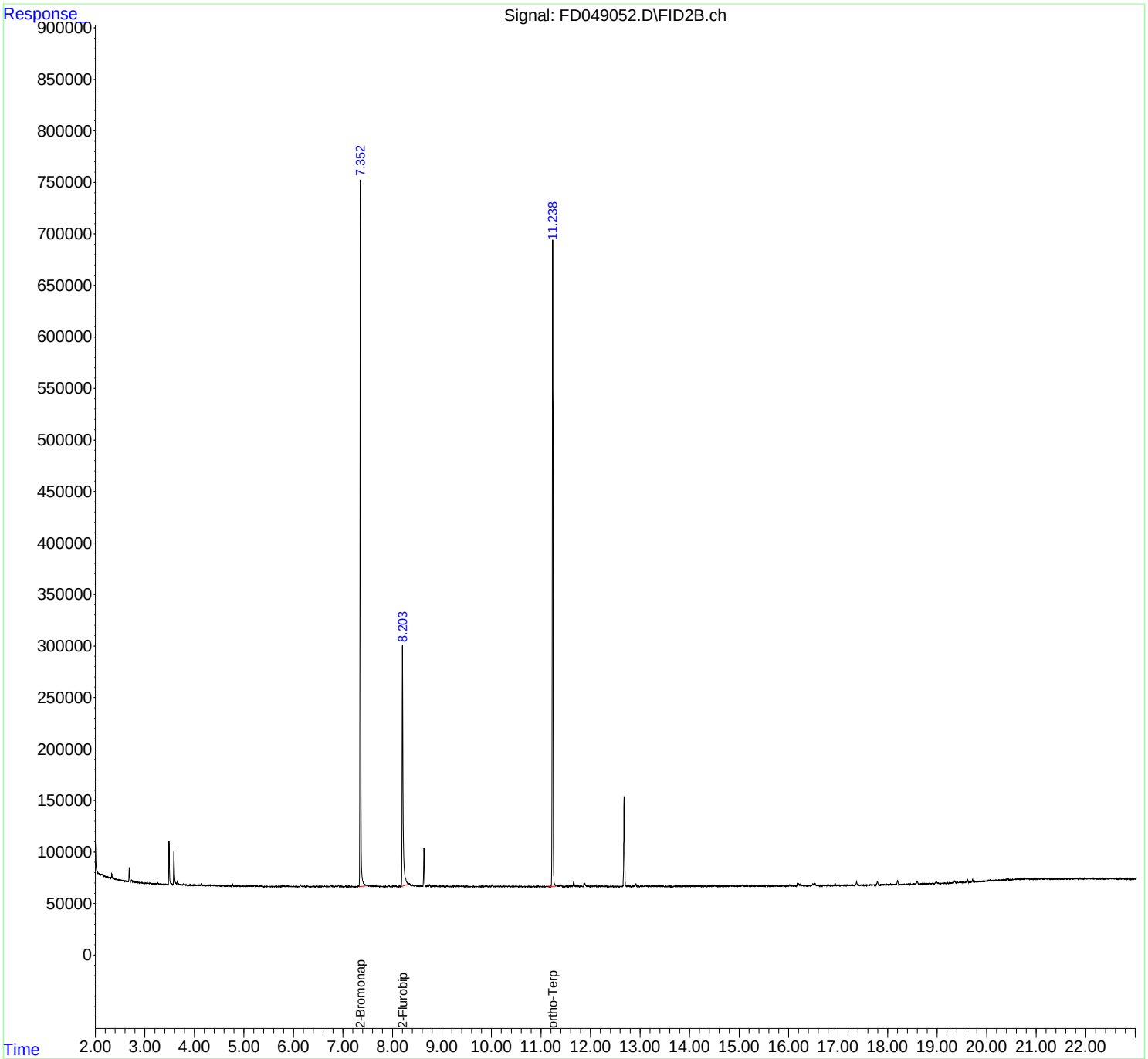
(f)=RT Delta > 1/2 Window (m)=manual int.

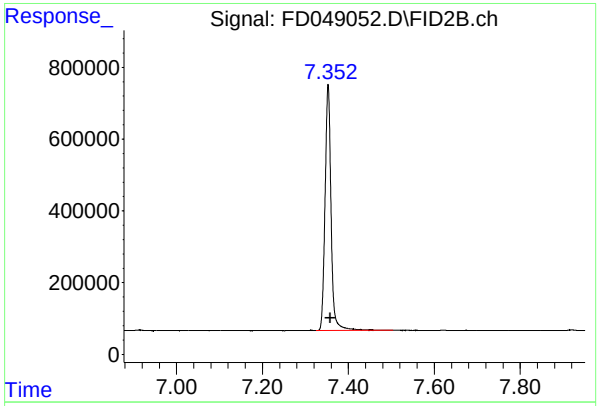
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049052.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:18
Operator : YP/AJ
Sample : PB166603BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166603BL

Integration File: autoint1.e
Quant Time: Feb 07 23:56:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

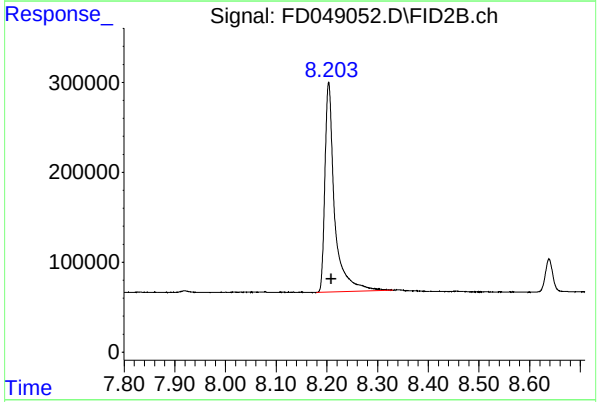




#4 2-Bromonaphthalene (SURR)

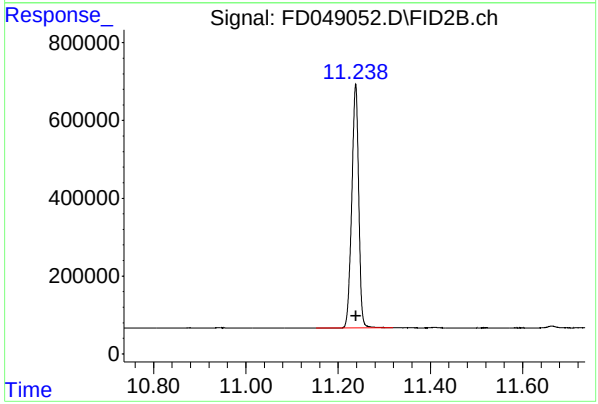
R.T.: 7.353 min
Delta R.T.: -0.005 min
Response: 6645048
Conc: 46.69 ug/ml

Instrument :
FID_D
ClientSampleId :
PB166603BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.204 min
Delta R.T.: -0.006 min
Response: 3110138
Conc: 36.55 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.238 min
Delta R.T.: -0.001 min
Response: 6531731
Conc: 39.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049052.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:18
Sample : PB166603BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.353	7.325	7.504	PB	685276	6645048	100.00%	40.800%
2	8.204	8.179	8.330	BV	233282	3110138	46.80%	19.096%
3	11.238	11.152	11.319	BV	627740	6531731	98.29%	40.104%

Sum of corrected areas: 16286917

Aromatic EPH 012425.M Sat Feb 08 00:30:31 2025

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BS	SDG No.:	Q1308
Lab Sample ID:	PB166603BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 12:32	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.57		1	0.38	1.00	mg/kg	FC068230.D
Aliphatic C12-C16	Aliphatic C12-C16	4.09		1	0.24	0.67	mg/kg	FC068230.D
Aliphatic C16-C21	Aliphatic C16-C21	7.01		1	0.30	1.00	mg/kg	FC068230.D
Aliphatic C21-C28	Aliphatic C21-C28	9.65		1	0.80	1.33	mg/kg	FC068230.D
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1	1.80	2.00	mg/kg	FC068230.D
Aromatic C10-C12	Aromatic C10-C12	4.36		1	0.30	0.67	mg/kg	FD049053.D
Aromatic C12-C16	Aromatic C12-C16	7.56		1	0.34	1.00	mg/kg	FD049053.D
Aromatic C16-C21	Aromatic C16-C21	15.2		1	0.96	1.67	mg/kg	FD049053.D
Aromatic C21-C36	Aromatic C21-C36	25.1		1	2.00	2.66	mg/kg	FD049053.D
Total AliphaticEPH	Total AliphaticEPH	42.5			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	52.2			3.60	6.00	mg/kg	
Total EPH	Total EPH	94.7			7.12	12.0	mg/kg	

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BS	SDG No.:	Q1308
Lab Sample ID:	PB166603BS	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
FC068230.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		4.57		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		4.09		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		7.01		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		9.65		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		17.2		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.0		40 - 140	70%	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:	PB166603BS	Acq On:	07 Feb 2025 12:32
Client Sample ID:	PB166603BS	Operator:	YP/AJ
Data file:	FC068230.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	3.111	6.377	9502836	68.618	300	ug/ml
Aliphatic C12-C16	6.378	9.762	8454506	61.392	200	ug/ml
Aliphatic C16-C21	9.763	13.116	14220635	105.323	300	ug/ml
Aliphatic C21-C28	13.117	16.769	18432335	144.9	400	ug/ml
Aliphatic C28-C40	16.770	21.574	26709210	257.714	600	ug/ml
Aliphatic EPH	3.111	21.574	77319522	637.948		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.848	12.848	4024153	34.99		ug/ml
Aliphatic C9-C28	3.111	16.769	50610312	380.233	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068230.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:32
Operator : YP/AJ
Sample : PB166603BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166603BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:13:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.848	4024153	34.992 ug/ml
Spiked Amount	50.000		Recovery =	69.98%
	Target Compounds			
1) T	n-Nonane (C9)	3.210	2768445	20.217 ug/mlm
2) T	n-Decane (C10)	4.268	3217514	23.176 ug/mlm
4) T	n-Dodecane (C12)	6.277	3609534	25.838 ug/ml
6) T	n-Tetradecane (C14)	8.066	4081119	29.903 ug/ml
7) T	n-Hexadecane (C16)	9.662	4373387	31.475 ug/ml
8) T	n-Octadecane (C18)	11.100	4566354	32.636 ug/ml
10) T	n-Eicosane (C20)	12.407	4928691	36.836 ug/mlm
11) T	n-Heneicosane (C21)	13.018	4739046	36.082 ug/ml
13) T	n-Docosane (C22)	13.602	4720106	36.439 ug/ml
14) T	n-Tetracosane (C24)	14.703	4658524	36.285 ug/ml
15) T	n-Hexacosane (C26)	15.723	4567364	36.296 ug/ml
16) T	n-Octacosane (C28)	16.670	4486341	35.870 ug/ml
17) T	n-Tricontane (C30)	17.556	4513557	34.920 ug/ml
18) T	n-Dotriacontane (C32)	18.387	4447542	35.577 ug/ml
19) T	n-Tetratriacontane (C34)	19.170	4411470	40.668 ug/ml
20) T	n-Hexatriacontane (C36)	19.908	4305781	46.527 ug/ml
21) T	n-Octatriacontane (C38)	20.619	4473891	52.211 ug/mlm
22) T	n-Tetracontane (C40)	21.480	4763491	58.911 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068230.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:32
Operator : YP/AJ
Sample : PB166603BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

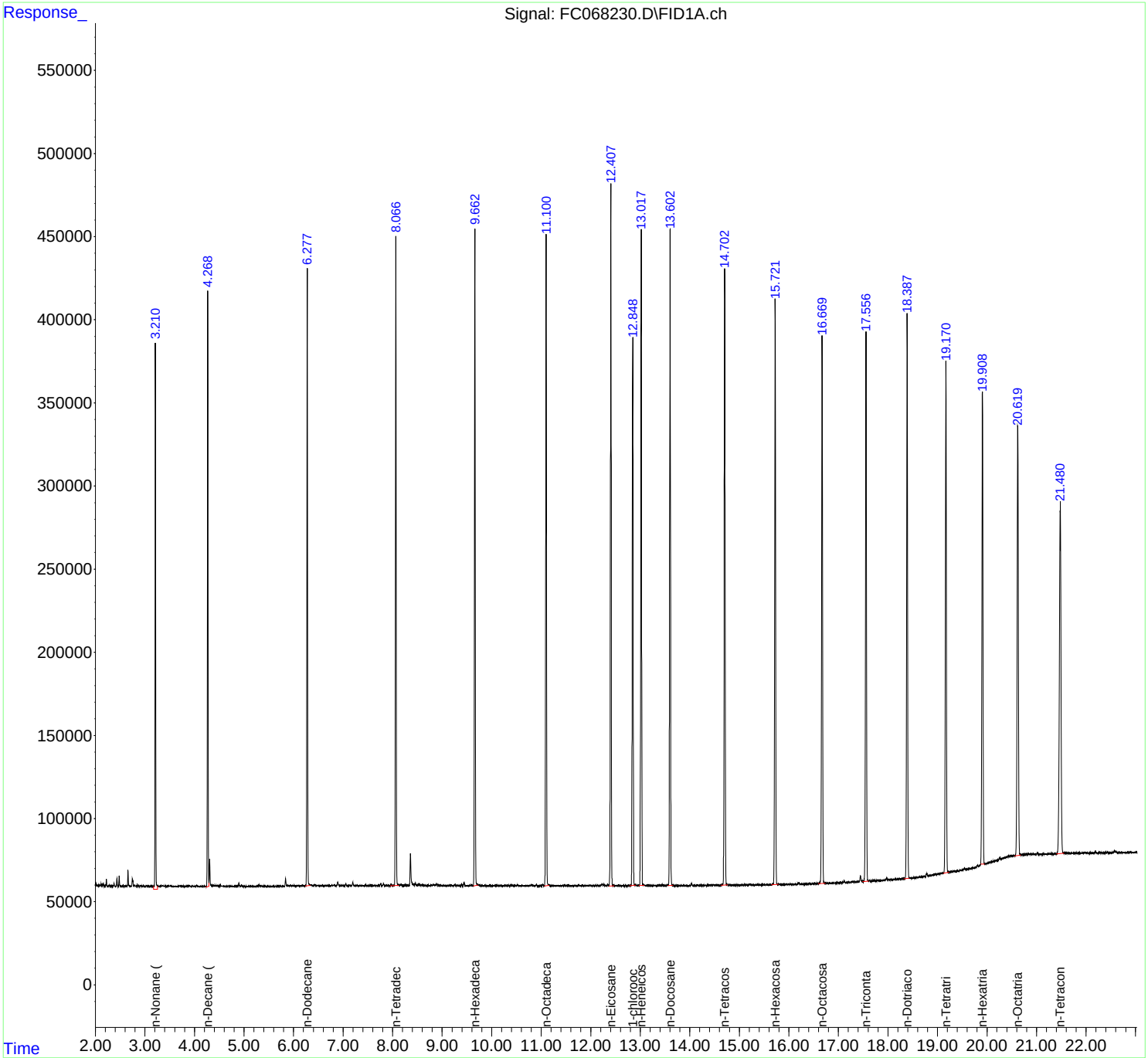
Instrument :
FID_C
ClientSampleId :
PB166603BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:13:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
PB166603BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02072
Data File : FC068230.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:32
Sample : PB166603BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.210	3.181	3.274	BB	324833	2684987	54.63%	3.301%
2	4.268	4.238	4.292	BV	357821	3208315	65.27%	3.944%
3	6.277	6.234	6.341	BB	370791	3609534	73.44%	4.437%
4	8.066	7.951	8.131	BB	387499	4081119	83.03%	5.017%
5	9.662	9.624	9.721	BB	393544	4373387	88.98%	5.376%
6	11.100	11.058	11.164	BB	392067	4566354	92.90%	5.614%
7	12.407	12.248	12.471	BB	422172	4915235	100.00%	6.043%
8	12.848	12.781	12.911	BB	327940	4024153	81.87%	4.947%
9	13.018	12.974	13.081	BB	394174	4739046	96.42%	5.826%
10	13.602	13.564	13.664	BB	392186	4720106	96.03%	5.803%
11	14.703	14.628	14.768	BB	367423	4658524	94.78%	5.727%
12	15.723	15.648	15.784	BB	350449	4567364	92.92%	5.615%
13	16.670	16.588	16.734	BB	318113	4486341	91.27%	5.515%
14	17.556	17.484	17.614	BB	329005	4513557	91.83%	5.549%
15	18.387	18.314	18.438	BB	339962	4447542	90.48%	5.468%
16	19.170	19.121	19.231	BB	308968	4411470	89.75%	5.423%
17	19.908	19.871	19.954	BB	283866	4305781	87.60%	5.293%
18	20.621	20.581	20.681	BB	257048	4422601	89.98%	5.437%
19	21.479	21.431	21.561	BB	205839	4608259	93.75%	5.665%
			Sum of corrected areas:			81343675		

Aliphatic EPH 012425.M Fri Feb 07 23:03:21 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BS	SDG No.:	Q1308
Lab Sample ID:	PB166603BS	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
FD049053.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.36		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.56		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.2		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.1		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.9		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	52.9		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166603BS	Acq On:	07 Feb 2025 11:54
Client Sample ID:	PB166603BS	Operator:	YP/AJ
Data file:	FD049053.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	10166754	65.495	200	ug/ml
Aromatic C12-C16	5.795	8.398	18413463	113.515	300	ug/ml
Aromatic C16-C21	8.399	12.662	35393558	228.865	500	ug/ml
Aromatic C21-C36	12.663	18.072	53674440	376.655	800	ug/ml
Aromatic EPH	4.076	18.072	117648215	784.529		ug/ml
ortho-Terphenyl (SURR)	11.238	11.238	7098684	43.17		ug/ml
2-Bromonaphthalene (SURR)	7.354	7.354	7237809	50.86		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	4499358	52.88		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049053.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:54
Operator : YP/AJ
Sample : PB166603BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166603BS

Integration File: autoint1.e
Quant Time: Feb 07 23:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 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...	7.354	7237809	50.855 ug/ml
	Spiked Amount 50.000		Recovery = 101.71%	
6)	S 2-Flurobiphenyl (SURR)	8.203	4499358	52.879 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 105.76%	
11)	S ortho-Terphenyl (SURR)	11.238	7098684	43.166 ug/ml
	Spiked Amount 50.000		Recovery = 86.33%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.177	4714507	30.585 ug/ml
2)	T Naphthalene (C11.7)	5.694	5452247	34.880 ug/ml
3)	T 2-Methylnaphthalene (...	6.740	5351262	34.495 ug/ml
5)	T Acenaphthylene (C15.06)	8.006	6332039	38.718 ug/ml
7)	T Acenaphthene (C15.5)	8.301	6730162	40.069 ug/ml
8)	T Flouorene (C16.55)	9.079	6887665	44.030 ug/ml
9)	T Phenanthrene (C19.36)	10.467	7015737	46.065 ug/ml
10)	T Anthracene (C19.43)	10.543	7099930	46.610 ug/ml
12)	T Fluoranthene (C21.85)	12.272	7264711	46.185 ug/ml
13)	T Pyrene (C20.8)	12.565	7125515	45.231 ug/ml
14)	T Benzo[a]anthracene (C...	14.436	6806693	52.896 ug/ml
15)	T Chrysene (C27.41)	14.478	6834656	40.419 ug/ml
16)	T benzo[b]fluoranthene ...	15.985	6784558	49.656 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.019	6913001	42.684 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.361	6556725	47.110 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.731	6532213	62.634 ug/ml
20)	T Dibenz[a,h]anthracene...	17.766	6690577	46.867 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.981	6556017	45.962 ug/ml

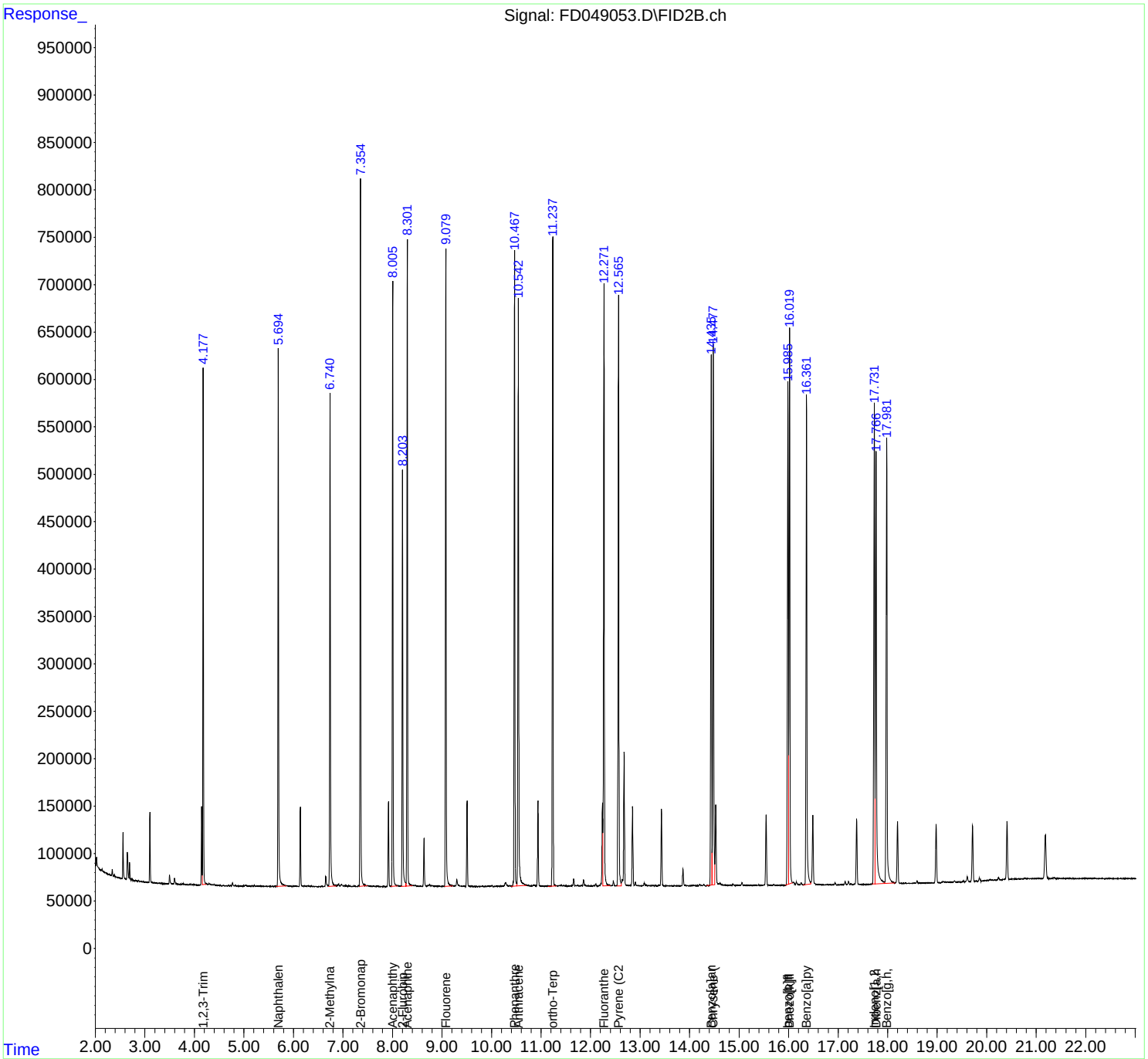
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049053.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:54
Operator : YP/AJ
Sample : PB166603BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166603BS

Integration File: autoint1.e
Quant Time: Feb 07 23:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049053.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 11:54
Sample : PB166603BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.177	4.160	4.240	VV	544777	4714507	64.90%	3.454%
2	5.694	5.647	5.857	BV	565310	5452247	75.05%	3.995%
3	6.740	6.712	6.870	VV	520026	5351262	73.66%	3.921%
4	7.354	7.327	7.482	PB	744152	7237809	99.63%	5.303%
5	8.006	7.960	8.104	BV	637481	6332039	87.16%	4.639%
6	8.203	8.167	8.273	BV	439329	4499358	61.93%	3.297%
7	8.301	8.273	8.405	VB	678955	6730162	92.64%	4.931%
8	9.079	9.048	9.222	PV	669853	6887665	94.81%	5.046%
9	10.467	10.392	10.514	BV	670149	7015737	96.57%	5.140%
10	10.543	10.514	10.712	VB	619171	7099930	97.73%	5.202%
11	11.238	11.147	11.309	BB	682109	7098684	97.71%	5.201%
12	12.272	12.249	12.402	VB	634732	7264711	100.00%	5.323%
13	12.565	12.530	12.620	PV	624778	7125515	98.08%	5.221%
14	14.436	14.339	14.454	BV	558666	6806693	93.70%	4.987%
15	14.478	14.454	14.507	VV	571507	6834656	94.08%	5.008%
16	15.985	15.930	15.999	BV	531135	6784558	93.39%	4.971%
17	16.019	15.999	16.082	VV	583915	6913001	95.16%	5.065%
18	16.361	16.299	16.449	BV	515973	6556725	90.25%	4.804%
19	17.731	17.690	17.745	BV	508729	6532213	89.92%	4.786%
20	17.766	17.745	17.937	VV	457011	6690577	92.10%	4.902%
21	17.981	17.937	18.155	VV	470214	6556017	90.24%	4.804%
			Sum of corrected areas:			136484065		

Aromatic EPH 012425.M Sat Feb 08 00:36:28 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BSD	SDG No.:	Q1308
Lab Sample ID:	PB166603BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 13:08	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.60		1	0.38	1.00	mg/kg	FC068231.D
Aliphatic C12-C16	Aliphatic C12-C16	4.12		1	0.24	0.67	mg/kg	FC068231.D
Aliphatic C16-C21	Aliphatic C16-C21	7.05		1	0.30	1.00	mg/kg	FC068231.D
Aliphatic C21-C28	Aliphatic C21-C28	9.68		1	0.80	1.33	mg/kg	FC068231.D
Aliphatic C28-C40	Aliphatic C28-C40	17.3		1	1.80	2.00	mg/kg	FC068231.D
Aromatic C10-C12	Aromatic C10-C12	4.38		1	0.30	0.67	mg/kg	FD049054.D
Aromatic C12-C16	Aromatic C12-C16	7.59		1	0.34	1.00	mg/kg	FD049054.D
Aromatic C16-C21	Aromatic C16-C21	15.3		1	0.96	1.67	mg/kg	FD049054.D
Aromatic C21-C36	Aromatic C21-C36	25.2		1	2.00	2.67	mg/kg	FD049054.D
Total AliphaticEPH	Total AliphaticEPH	42.8			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	52.5			3.60	6.01	mg/kg	
Total EPH	Total EPH	95.2			7.12	12.0	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166603BSD	SDG No.:	Q1308
Lab Sample ID:	PB166603BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068231.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.60		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.12		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.05		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.68		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.3		1.80	2.00	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:	PB166603BSD	Acq On:	07 Feb 2025 13:08
Client Sample ID:	PB166603BSD	Operator:	YP/AJ
Data file:	FC068231.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	3.111	6.377	9568804	69.095	300	ug/ml
Aliphatic C12-C16	6.378	9.762	8507687	61.778	200	ug/ml
Aliphatic C16-C21	9.763	13.116	14277314	105.743	300	ug/ml
Aliphatic C21-C28	13.117	16.769	18470739	145.202	400	ug/ml
Aliphatic C28-C40	16.770	21.574	26851554	259.088	600	ug/ml
Aliphatic EPH	3.111	21.574	77676098	640.905		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.847	12.847	4086235	35.53		ug/ml
Aliphatic C9-C28	3.111	16.769	50824544	381.818	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068231.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:08
Operator : YP/AJ
Sample : PB166603BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166603BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:13:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.847	4086235	35.532 ug/ml
Spiked Amount	50.000		Recovery =	71.06%
	Target Compounds			
1) T	n-Nonane (C9)	3.210	2784884	20.338 ug/mlm
2) T	n-Decane (C10)	4.268	3227252	23.246 ug/mlm
4) T	n-Dodecane (C12)	6.277	3632894	26.005 ug/ml
6) T	n-Tetradecane (C14)	8.066	4108901	30.107 ug/mlm
7) T	n-Hexadecane (C16)	9.662	4401515	31.677 ug/ml
8) T	n-Octadecane (C18)	11.100	4586513	32.780 ug/ml
10) T	n-Eicosane (C20)	12.406	4929541	36.842 ug/mlm
11) T	n-Heneicosane (C21)	13.017	4752755	36.187 ug/ml
13) T	n-Docosane (C22)	13.602	4732927	36.538 ug/ml
14) T	n-Tetracosane (C24)	14.703	4670562	36.379 ug/ml
15) T	n-Hexacosane (C26)	15.722	4572907	36.340 ug/ml
16) T	n-Octacosane (C28)	16.669	4494343	35.934 ug/ml
17) T	n-Tricontane (C30)	17.556	4525901	35.015 ug/ml
18) T	n-Dotriacontane (C32)	18.387	4464718	35.714 ug/ml
19) T	n-Tetratriacontane (C34)	19.169	4424400	40.787 ug/ml
20) T	n-Hexatriacontane (C36)	19.909	4322927	46.712 ug/ml
21) T	n-Octatriacontane (C38)	20.622	4458985	52.037 ug/ml
22) T	n-Tetracontane (C40)	21.479	4781776	59.137 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068231.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:08
Operator : YP/AJ
Sample : PB166603BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

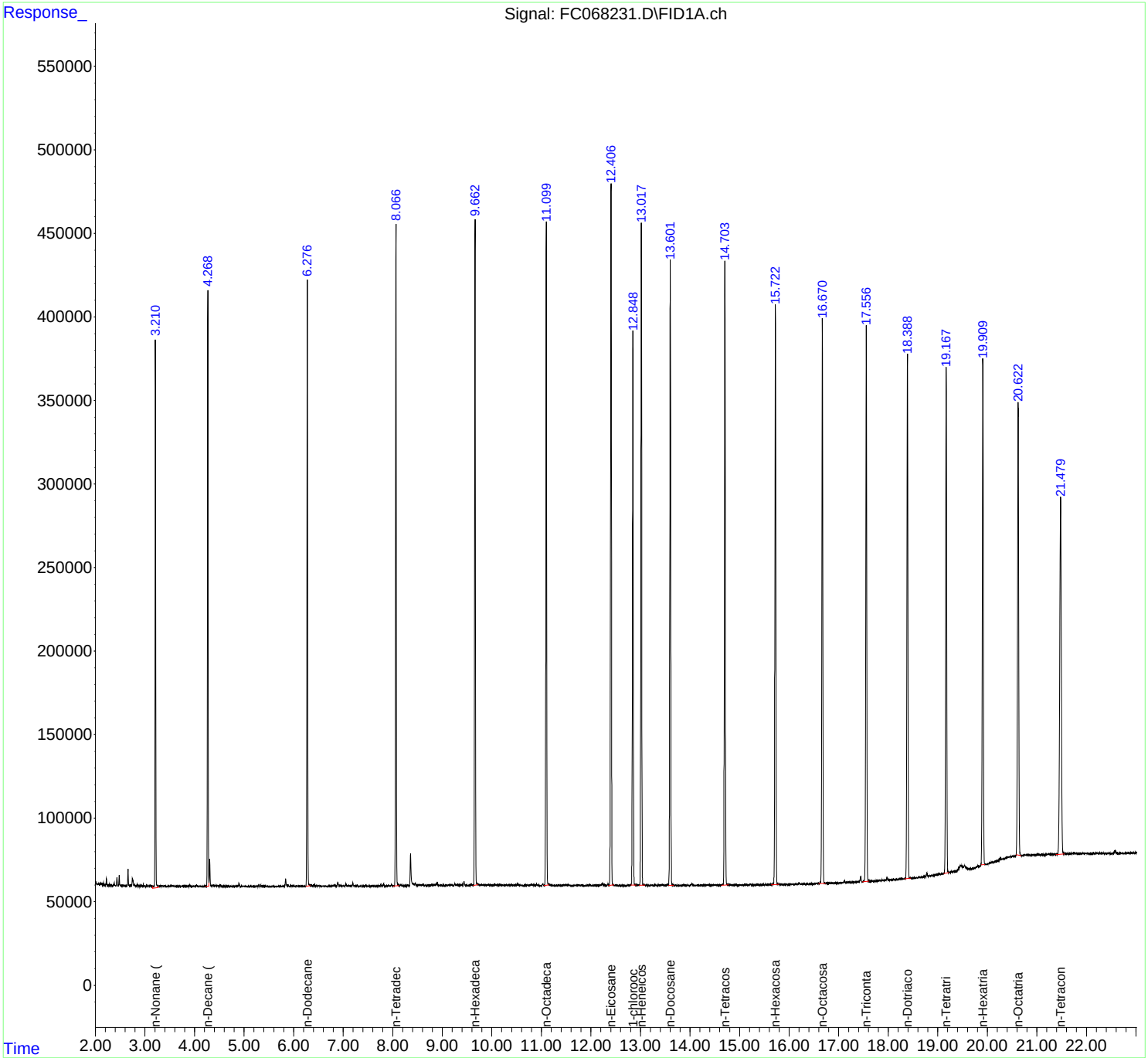
Instrument :
FID_C
ClientSampleId :
PB166603BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:13:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
PB166603BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02072
Data File : FC068231.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:08
Sample : PB166603BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.211	3.171	3.268	BB	325556	2707120	54.82%	3.311%
2	4.268	4.234	4.292	BV	356213	3228790	65.39%	3.949%
3	6.277	6.244	6.341	BB	363382	3632894	73.57%	4.443%
4	8.066	7.941	8.131	BB	399045	4106172	83.15%	5.022%
5	9.662	9.624	9.724	BB	393875	4401515	89.13%	5.383%
6	11.100	11.054	11.161	BB	391769	4586513	92.88%	5.610%
7	12.406	12.251	12.474	BB	414583	4938046	100.00%	6.040%
8	12.847	12.808	12.914	BB	329550	4086235	82.75%	4.998%
9	13.017	12.978	13.084	BB	395959	4752755	96.25%	5.813%
10	13.602	13.564	13.668	BB	374972	4732927	95.85%	5.789%
11	14.703	14.631	14.771	BB	369870	4670562	94.58%	5.712%
12	15.722	15.638	15.788	BB	345198	4572907	92.61%	5.593%
13	16.669	16.594	16.738	BB	335948	4494343	91.01%	5.497%
14	17.556	17.481	17.614	BB	326147	4525901	91.65%	5.535%
15	18.387	18.331	18.451	BB	313573	4464718	90.41%	5.461%
16	19.169	19.121	19.228	BB	302015	4424400	89.60%	5.411%
17	19.909	19.871	19.951	BB	300826	4322927	87.54%	5.287%
18	20.622	20.581	20.684	BB	267895	4458985	90.30%	5.454%
19	21.478	21.431	21.558	BB	210116	4654623	94.26%	5.693%
			Sum of corrected areas:			81762331		

Aliphatic EPH 012425.M Fri Feb 07 23:03:42 2025

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:		
Client Sample ID:	PB166603BSD		SDG No.:	Q1308	
Lab Sample ID:	PB166603BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049054.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.38		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.59		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.3		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.2		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.9		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	53.0		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.5		40 - 140	87%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166603BSD	Acq On:	07 Feb 2025 12:32
Client Sample ID:	PB166603BSD	Operator:	YP/AJ
Data file:	FD049054.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	10196532	65.686	200	ug/ml
Aromatic C12-C16	5.795	8.398	18468831	113.856	300	ug/ml
Aromatic C16-C21	8.399	12.662	35563025	229.961	500	ug/ml
Aromatic C21-C36	12.663	18.072	53788653	377.456	800	ug/ml
Aromatic EPH	4.076	18.072	118017041	786.96		ug/ml
ortho-Terphenyl (SURR)	11.239	11.239	7145957	43.45		ug/ml
2-Bromonaphthalene (SURR)	7.353	7.353	7250487	50.94		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	4508640	52.99		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049054.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 12:32
Operator : YP/AJ
Sample : PB166603BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166603BSD

Integration File: autoint1.e
Quant Time: Feb 07 23:57:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.353	7250487	50.944 ug/ml
	Spiked Amount 50.000		Recovery = 101.89%	
6)	S 2-Flurobiphenyl (SURR)	8.203	4508640	52.988 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 105.98%	
11)	S ortho-Terphenyl (SURR)	11.239	7145957	43.453 ug/ml
	Spiked Amount 50.000		Recovery = 86.91%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.177	4732868	30.704 ug/ml
2)	T Naphthalene (C11.7)	5.694	5463664	34.953 ug/ml
3)	T 2-Methylnaphthalene (...	6.740	5370406	34.619 ug/ml
5)	T Acenaphthylene (C15.06)	8.006	6354594	38.856 ug/ml
7)	T Acenaphthene (C15.5)	8.301	6743831	40.151 ug/ml
8)	T Flouorene (C16.55)	9.079	6902277	44.123 ug/ml
9)	T Phenanthrene (C19.36)	10.467	7061510	46.365 ug/ml
10)	T Anthracene (C19.43)	10.543	7152983	46.958 ug/ml
12)	T Fluoranthene (C21.85)	12.272	7289713	46.344 ug/ml
13)	T Pyrene (C20.8)	12.565	7156542	45.428 ug/ml
14)	T Benzo[a]anthracene (C...	14.436	6863286	53.336 ug/ml
15)	T Chrysene (C27.41)	14.477	6859677	40.566 ug/ml
16)	T benzo[b]fluoranthene ...	15.985	6830025	49.988 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.018	6898742	42.596 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.360	6601097	47.429 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.729	6478914	62.123 ug/ml
20)	T Dibenz[a,h]anthracene...	17.765	6727943	47.129 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.980	6528969	45.772 ug/ml

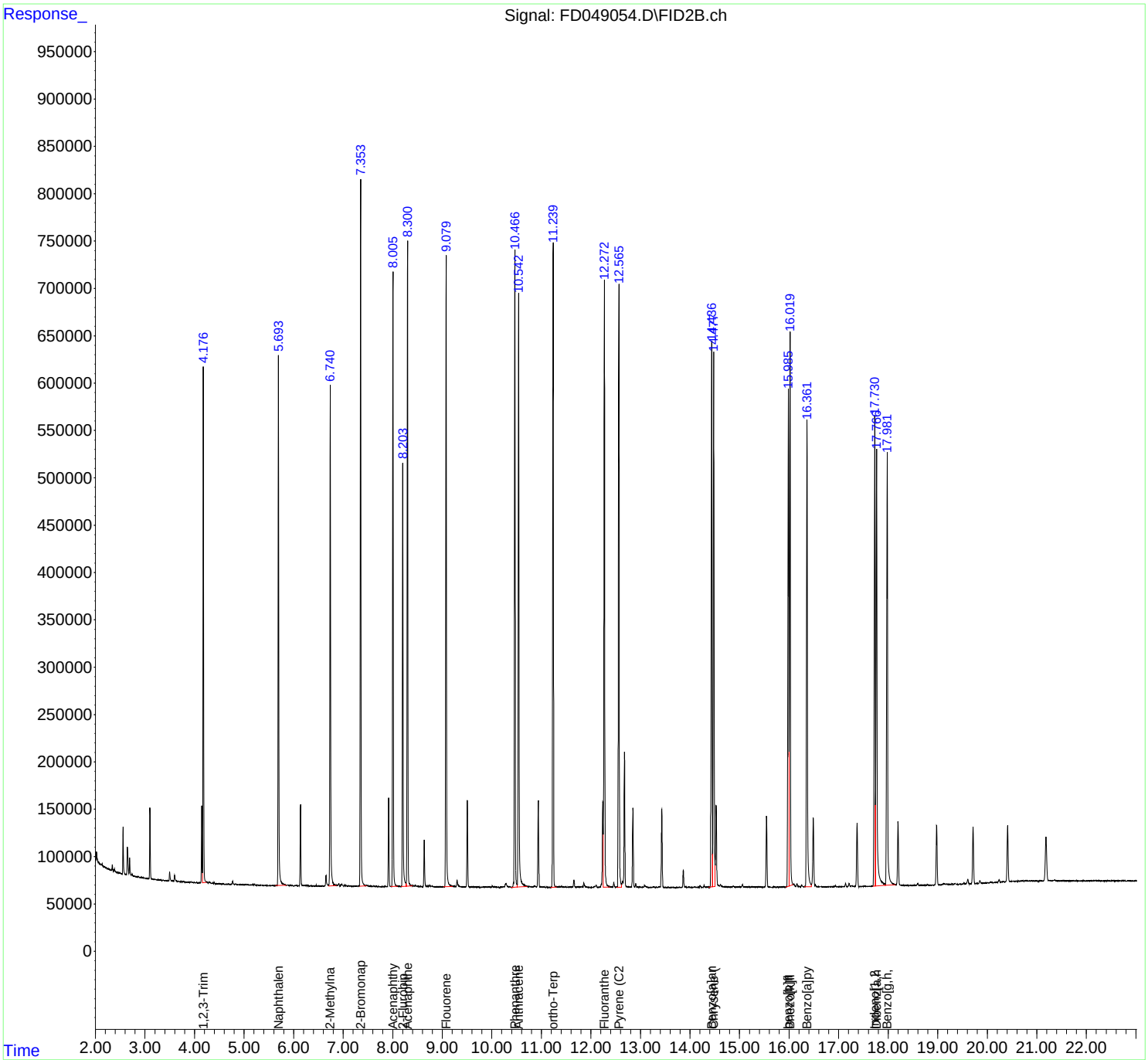
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049054.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 12:32
Operator : YP/AJ
Sample : PB166603BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166603BSD

Integration File: autoint1.e
Quant Time: Feb 07 23:57:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049054.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 12:32
Sample : PB166603BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.177	4.160	4.240	VV	544112	4732868	64.93%	3.457%
2	5.694	5.640	5.859	BB	559707	5463664	74.95%	3.990%
3	6.740	6.710	6.870	VV	528784	5370406	73.67%	3.922%
4	7.353	7.329	7.472	PB	746871	7250487	99.46%	5.295%
5	8.006	7.960	8.102	BV	647909	6354594	87.17%	4.641%
6	8.203	8.165	8.274	BV	446523	4508640	61.85%	3.293%
7	8.301	8.274	8.399	VB	680801	6743831	92.51%	4.925%
8	9.079	9.022	9.209	BB	664350	6902277	94.69%	5.041%
9	10.467	10.390	10.514	PV	670318	7061510	96.87%	5.157%
10	10.543	10.514	10.717	VB	625780	7152983	98.12%	5.224%
11	11.239	11.187	11.312	BB	679743	7145957	98.03%	5.219%
12	12.272	12.250	12.387	VB	639908	7289713	100.00%	5.324%
13	12.565	12.517	12.619	BV	636906	7156542	98.17%	5.227%
14	14.436	14.379	14.455	BV	570863	6863286	94.15%	5.013%
15	14.477	14.455	14.507	VV	563525	6859677	94.10%	5.010%
16	15.985	15.930	16.000	BV	526689	6830025	93.69%	4.988%
17	16.018	16.000	16.087	VV	585781	6898742	94.64%	5.038%
18	16.360	16.304	16.449	BV	492879	6601097	90.55%	4.821%
19	17.729	17.690	17.744	BV	491093	6478914	88.88%	4.732%
20	17.765	17.744	17.940	VV	459429	6727943	92.29%	4.914%
21	17.980	17.940	18.152	VV	456666	6528969	89.56%	4.768%

Sum of corrected areas: 136922124

Aromatic EPH 012425.M Sat Feb 08 00:42:01 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	EX-11-TPH-5MS	SDG No.:	Q1308
Lab Sample ID:	Q1308-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 14:56	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.22		1	0.44	1.17	mg/kg	FC068234.D
Aliphatic C12-C16	Aliphatic C12-C16	6.29		1	0.28	0.78	mg/kg	FC068234.D
Aliphatic C16-C21	Aliphatic C16-C21	8.25		1	0.35	1.17	mg/kg	FC068234.D
Aliphatic C21-C28	Aliphatic C21-C28	10.2		1	0.94	1.56	mg/kg	FC068234.D
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1	2.11	2.34	mg/kg	FC068234.D
Aromatic C10-C12	Aromatic C10-C12	5.11		1	0.35	0.78	mg/kg	FD049057.D
Aromatic C12-C16	Aromatic C12-C16	9.45		1	0.40	1.17	mg/kg	FD049057.D
Aromatic C16-C21	Aromatic C16-C21	18.6		1	1.12	1.95	mg/kg	FD049057.D
Aromatic C21-C36	Aromatic C21-C36	30.7		1	2.34	3.12	mg/kg	FD049057.D
Total AliphaticEPH	Total AliphaticEPH	53.5			4.12	7.02	mg/kg	
Total AromaticEPH	Total AromaticEPH	63.9			4.21	7.02	mg/kg	
Total EPH	Total EPH	117			8.33	14.0	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	EX-11-TPH-5MS	SDG No.:	Q1308
Lab Sample ID:	Q1308-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068234.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.22		0.44	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.29		0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.25		0.35	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.2		0.94	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.5		2.11	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140	78%	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:	Q1308-04MS	Acq On:	07 Feb 2025 14:56
Client Sample ID:	EX-11-TPH-5MS	Operator:	YP/AJ
Data file:	FC068234.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	3.111	6.377	11043388	79.742	300	ug/ml
Aliphatic C12-C16	6.378	9.762	11114302	80.706	200	ug/ml
Aliphatic C16-C21	9.763	13.116	14291848	105.85	300	ug/ml
Aliphatic C21-C28	13.117	16.769	16714407	131.395	400	ug/ml
Aliphatic C28-C40	16.770	21.574	29969001	289.168	600	ug/ml
Aliphatic EPH	3.111	21.574	83132946	686.862		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.847	12.847	4491612	39.06		ug/ml
Aliphatic C9-C28	3.111	16.769	53163945	397.693	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068234.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 14:56
Operator : YP/AJ
Sample : Q1308-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.847	4491612	39.057 ug/ml
Spiked Amount	50.000		Recovery =	78.11%
	Target Compounds			
1) T	n-Nonane (C9)	3.211	2789949	20.374 ug/ml
2) T	n-Decane (C10)	4.268	3362685	24.221 ug/mlm
4) T	n-Dodecane (C12)	6.277	3885256	27.812 ug/ml
6) T	n-Tetradecane (C14)	8.066	4318484	31.642 ug/mlm
7) T	n-Hexadecane (C16)	9.662	4407986	31.724 ug/ml
8) T	n-Octadecane (C18)	11.099	4419233	31.585 ug/ml
10) T	n-Eicosane (C20)	12.406	4472717	33.428 ug/ml
11) T	n-Heneicosane (C21)	13.016	4257274	32.414 ug/ml
13) T	n-Docosane (C22)	13.602	4216133	32.548 ug/ml
14) T	n-Tetracosane (C24)	14.702	4136715	32.221 ug/ml
15) T	n-Hexacosane (C26)	15.720	4039112	32.098 ug/ml
16) T	n-Octacosane (C28)	16.669	3963382	31.689 ug/ml
17) T	n-Tricontane (C30)	17.555	3996078	30.916 ug/ml
18) T	n-Dotriacontane (C32)	18.386	3952161	31.614 ug/ml
19) T	n-Tetratriacontane (C34)	19.168	3934176	36.268 ug/ml
20) T	n-Hexatriacontane (C36)	19.908	3900693	42.150 ug/ml
21) T	n-Octatriacontane (C38)	20.621	4228503	49.348 ug/mlm
22) T	n-Tetracontane (C40)	21.475	4826305	59.688 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068234.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 14:56
Operator : YP/AJ
Sample : Q1308-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

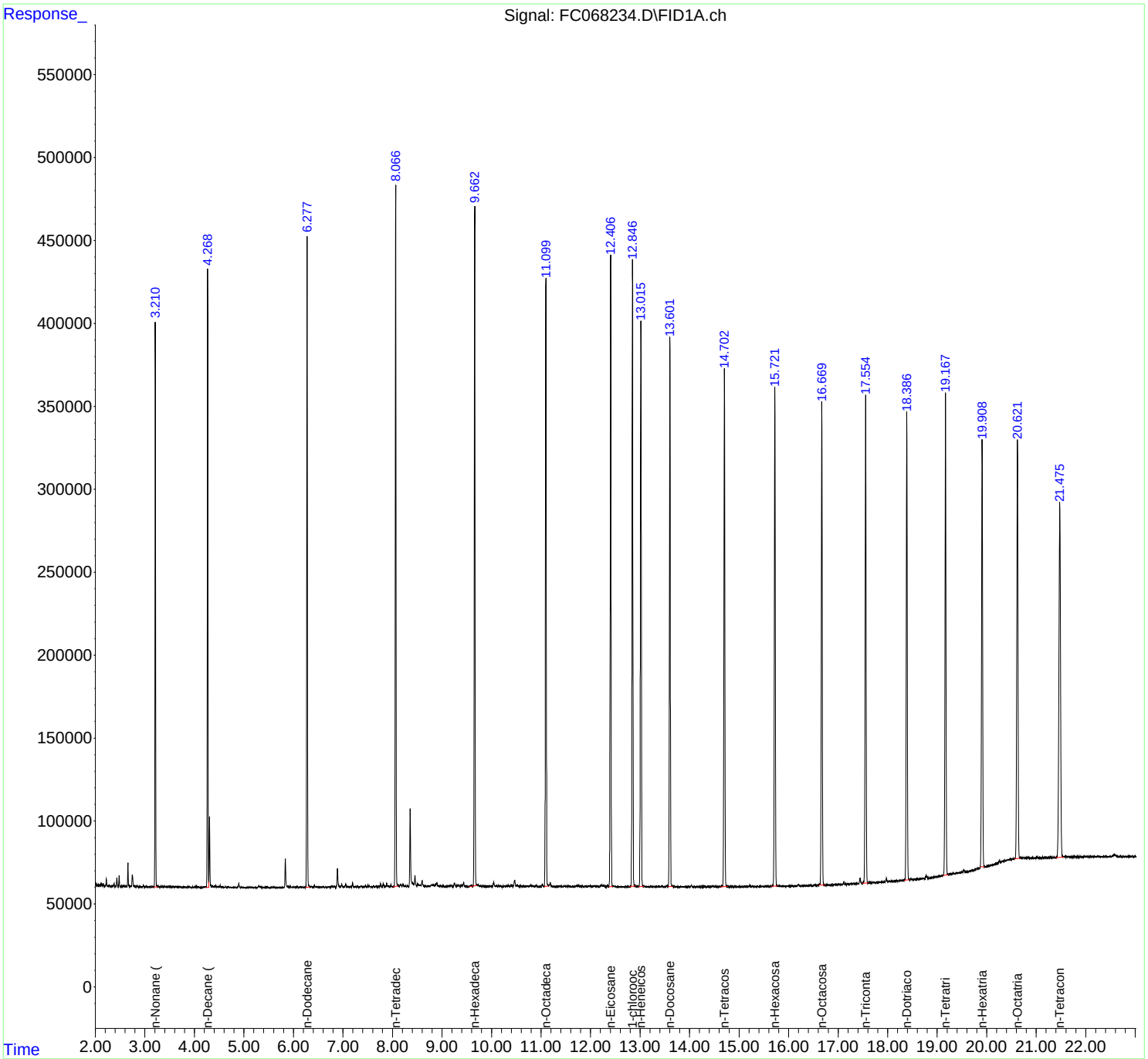
Integration File: autoint1.e
Quant Time: Feb 07 22:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02072
Data File : FC068234.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 14:56
Sample : Q1308-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.032	3.005	3.051	BV	227	3211	0.06%	0.004%
2	3.066	3.051	3.090	VV	179	1552	0.03%	0.002%
3	3.106	3.090	3.145	VV	230	2869	0.05%	0.003%
4	3.156	3.145	3.173	PV	82	1040	0.02%	0.001%
5	3.211	3.173	3.301	VV	340931	2804032	49.31%	3.180%
6	3.307	3.301	3.317	VV	207	1892	0.03%	0.002%
7	3.331	3.317	3.370	VV	320	7079	0.12%	0.008%
8	3.384	3.370	3.394	VV	223	2723	0.05%	0.003%
9	3.408	3.394	3.431	VV	261	3994	0.07%	0.005%
10	3.441	3.431	3.454	VV	223	2064	0.04%	0.002%
11	3.481	3.454	3.501	VV	394	6395	0.11%	0.007%
12	3.519	3.501	3.557	VV	316	6910	0.12%	0.008%
13	3.579	3.557	3.603	VV	254	4395	0.08%	0.005%
14	3.612	3.603	3.633	VV	203	2357	0.04%	0.003%
15	3.644	3.633	3.688	VV	161	3729	0.07%	0.004%
16	3.695	3.688	3.738	VV	207	3785	0.07%	0.004%
17	3.741	3.738	3.759	VV	210	1284	0.02%	0.001%
18	3.772	3.759	3.831	VV	159	4274	0.08%	0.005%
19	3.872	3.831	3.885	VV	391	4570	0.08%	0.005%
20	3.899	3.885	3.947	VV	635	8777	0.15%	0.010%
21	3.964	3.947	3.991	PV	240	3593	0.06%	0.004%
22	4.044	3.991	4.063	VV	547	11121	0.20%	0.013%
23	4.073	4.063	4.131	VV	226	4409	0.08%	0.005%
24	4.139	4.131	4.146	VV	91	635	0.01%	0.001%
25	4.181	4.146	4.205	VV	241	4481	0.08%	0.005%
26	4.268	4.205	4.290	VV	373610	3365410	59.18%	3.816%
27	4.305	4.290	4.358	VV	42709	408456	7.18%	0.463%
28	4.368	4.358	4.395	VV	876	14023	0.25%	0.016%
29	4.411	4.395	4.422	VV	849	10541	0.19%	0.012%
30	4.434	4.422	4.473	VV	912	15932	0.28%	0.018%
31	4.491	4.473	4.502	VV	696	7551	0.13%	0.009%
32	4.520	4.502	4.563	VV	1272	18826	0.33%	0.021%
33	4.575	4.563	4.586	VV	258	2900	0.05%	0.003%
34	4.594	4.586	4.623	VV	279	3430	0.06%	0.004%
35	4.633	4.623	4.654	VV	211	2996	0.05%	0.003%
36	4.671	4.654	4.713	VV	226	6577	0.12%	0.007%

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					rteres			
37	4.729	4.713	4.778	VV	322	4771	0.08%	0.005%
38	4.797	4.778	4.803	VV	134	1448		
39	4.815	4.803	4.836	VV	250	2728		
40	4.897	4.836	4.930	VV	2488	32440		
41	4.952	4.930	4.968	VV	562	5911		
42	4.977	4.968	5.041	VV	202	4459		
43	5.097	5.041	5.108	PV	197	4461	0.08%	0.005%
44	5.120	5.108	5.168	VV	200	4281	0.08%	0.005%
45	5.182	5.168	5.222	VV	184	2921	0.05%	0.003%
46	5.253	5.222	5.277	PV	118	2561	0.05%	0.003%
47	5.298	5.277	5.325	PV	1318	15862	0.28%	0.018%
48	5.338	5.325	5.374	VV	809	10172	0.18%	0.012%
49	5.393	5.374	5.423	VV	272	3496	0.06%	0.004%
50	5.472	5.423	5.501	VV	382	8530	0.15%	0.010%
51	5.508	5.501	5.538	VV	117	1590	0.03%	0.002%
52	5.587	5.538	5.635	VV	296	8402	0.15%	0.010%
53	5.646	5.635	5.670	VV	185	2029	0.04%	0.002%
54	5.703	5.670	5.723	VV	174	2863	0.05%	0.003%
55	5.758	5.723	5.783	PV	200	3706	0.07%	0.004%
56	5.798	5.783	5.815	VV	213	2935	0.05%	0.003%
57	5.837	5.815	5.921	VV	17291	199304	3.50%	0.226%
58	5.935	5.921	5.957	VV	804	10335	0.18%	0.012%
59	5.996	5.957	6.041	VV	439	13622	0.24%	0.015%
60	6.071	6.041	6.135	VV	419	13166	0.23%	0.015%
61	6.163	6.135	6.185	VV	361	8029	0.14%	0.009%
62	6.200	6.185	6.215	VV	222	3550	0.06%	0.004%
63	6.277	6.215	6.338	VV	396211	3905814	68.68%	4.429%
64	6.358	6.338	6.381	VV	728	13821	0.24%	0.016%
65	6.394	6.381	6.407	VV	502	6647	0.12%	0.008%
66	6.424	6.407	6.446	VV	1239	16205	0.28%	0.018%
67	6.458	6.446	6.480	VV	543	7264	0.13%	0.008%
68	6.496	6.480	6.514	VV	539	6565	0.12%	0.007%
69	6.546	6.514	6.566	VV	259	6383	0.11%	0.007%
70	6.592	6.566	6.621	VV	386	8640	0.15%	0.010%
71	6.633	6.621	6.641	VV	216	2363	0.04%	0.003%
72	6.660	6.641	6.696	VV	241	6078	0.11%	0.007%
73	6.716	6.696	6.751	VV	588	10350	0.18%	0.012%
74	6.768	6.751	6.780	VV	726	8666	0.15%	0.010%
75	6.793	6.780	6.808	VV	727	10138	0.18%	0.011%
76	6.828	6.808	6.853	VV	702	13543	0.24%	0.015%
77	6.890	6.853	6.953	VV	11358	151926	2.67%	0.172%
78	6.975	6.953	7.011	VV	1776	28513	0.50%	0.032%
79	7.055	7.011	7.087	VV	2063	35580	0.63%	0.040%
80	7.115	7.087	7.146	VV	471	14548	0.26%	0.016%
81	7.161	7.146	7.173	VV	600	8179	0.14%	0.009%
82	7.196	7.173	7.228	VV	3025	38288	0.67%	0.043%
83	7.253	7.228	7.275	VV	520	11666	0.21%	0.013%
84	7.286	7.275	7.328	VV	647	14269	0.25%	0.016%
85	7.364	7.328	7.393	VV	782	18301	0.32%	0.021%
86	7.406	7.393	7.430	VV	440	6704	0.12%	0.008%
87	7.455	7.430	7.485	VV	1066	18027	0.32%	0.020%
88	7.506	7.485	7.518	VV	1131	14911	0.26%	0.017%
89	7.527	7.518	7.548	VV	987	12816	0.23%	0.015%

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					rteres			
90	7.557	7.548	7.591	VV	623	11333	0.20%	0.013%
91	7.618	7.591	7.636	VV	793	13639		
92	7.651	7.636	7.665	VV	666	9760		
93	7.671	7.665	7.695	VV	715	8631		
94	7.716	7.695	7.738	VV	756	13386		
95	7.760	7.738	7.782	VV	2262	31987		
96	7.815	7.782	7.838	VV	2310	36230	0.64%	0.041%
97	7.854	7.838	7.868	VV	632	9284	0.16%	0.011%
98	7.885	7.868	7.905	VV	2701	32646	0.57%	0.037%
99	7.919	7.905	7.950	VV	750	16932	0.30%	0.019%
100	7.971	7.950	7.992	VV	1404	21122	0.37%	0.024%
101	8.007	7.992	8.028	VV	587	12064	0.21%	0.014%
102	8.066	8.028	8.136	VV	419822	4364031	76.74%	4.949%
103	8.161	8.136	8.193	VV	1925	40857	0.72%	0.046%
104	8.213	8.193	8.238	VV	2137	34202	0.60%	0.039%
105	8.256	8.238	8.280	VV	971	19335	0.34%	0.022%
106	8.300	8.280	8.327	VV	957	19648	0.35%	0.022%
107	8.359	8.327	8.431	VV	47463	606787	10.67%	0.688%
108	8.456	8.431	8.492	VV	7117	109711	1.93%	0.124%
109	8.510	8.492	8.531	VV	2182	38516	0.68%	0.044%
110	8.550	8.531	8.561	VV	1525	25381	0.45%	0.029%
111	8.571	8.561	8.580	VV	1467	16348	0.29%	0.019%
112	8.599	8.580	8.644	VV	4087	71682	1.26%	0.081%
113	8.670	8.644	8.691	VV	1020	22707	0.40%	0.026%
114	8.716	8.691	8.732	VV	985	19309	0.34%	0.022%
115	8.746	8.732	8.761	VV	1028	15054	0.26%	0.017%
116	8.783	8.761	8.802	VV	1476	28702	0.50%	0.033%
117	8.820	8.802	8.835	VV	1689	26486	0.47%	0.030%
118	8.850	8.835	8.867	VV	1370	24670	0.43%	0.028%
119	8.896	8.867	8.947	VV	2473	68078	1.20%	0.077%
120	8.969	8.947	8.991	VV	1311	23328	0.41%	0.026%
121	9.017	8.991	9.054	VV	965	24368	0.43%	0.028%
122	9.079	9.054	9.098	VV	740	15984	0.28%	0.018%
123	9.119	9.098	9.151	VV	929	24348	0.43%	0.028%
124	9.180	9.151	9.221	VV	1428	37177	0.65%	0.042%
125	9.253	9.221	9.284	VV	2448	49619	0.87%	0.056%
126	9.301	9.284	9.317	VV	1249	19116	0.34%	0.022%
127	9.337	9.317	9.365	VV	1289	27246	0.48%	0.031%
128	9.395	9.365	9.414	VV	1342	29673	0.52%	0.034%
129	9.440	9.414	9.480	VV	3032	52262	0.92%	0.059%
130	9.497	9.480	9.518	VV	630	12048	0.21%	0.014%
131	9.579	9.518	9.628	VV	1138	49222	0.87%	0.056%
132	9.662	9.628	9.814	VV	407309	4504823	79.21%	5.108%
133	9.829	9.814	9.851	VV	783	13721	0.24%	0.016%
134	9.869	9.851	9.910	VV	604	18151	0.32%	0.021%
135	9.938	9.910	9.966	VV	705	18931	0.33%	0.021%
136	9.980	9.966	9.994	VV	664	10011	0.18%	0.011%
137	10.047	9.994	10.071	VV	2866	60465	1.06%	0.069%
138	10.096	10.071	10.154	VV	940	37577	0.66%	0.043%
139	10.166	10.154	10.179	VV	678	9419	0.17%	0.011%
140	10.188	10.179	10.230	VV	691	15757	0.28%	0.018%
141	10.259	10.230	10.269	VV	652	13071	0.23%	0.015%

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142	10.292	10.269	10.308	VV	677	14608	0.26%	0.017%
143	10.332	10.308	10.357	VV	1069	24102	0	
144	10.395	10.357	10.431	VV	1180	37625	0	
145	10.468	10.431	10.497	VV	4208	78299	1	
146	10.519	10.497	10.546	VV	1431	28609	0	
147	10.587	10.546	10.599	VV	700	18509	0	
148	10.612	10.599	10.647	VV	713	16905	0.30%	0.019%
149	10.658	10.647	10.692	VV	575	13755	0.24%	0.016%
150	10.715	10.692	10.751	VV	680	21327	0.38%	0.024%
151	10.790	10.751	10.878	VV	1303	55491	0.98%	0.063%
152	10.901	10.878	10.930	VV	1352	23568	0.41%	0.027%
153	10.950	10.930	10.995	VV	500	14976	0.26%	0.017%
154	11.027	10.995	11.060	VV	1604	31505	0.55%	0.036%
155	11.099	11.060	11.161	VV	367546	4457098	78.37%	5.054%
156	11.188	11.161	11.245	VV	2666	55821	0.98%	0.063%
157	11.251	11.245	11.271	VV	515	6932	0.12%	0.008%
158	11.296	11.271	11.311	VV	435	9084	0.16%	0.010%
159	11.328	11.311	11.351	VV	483	9342	0.16%	0.011%
160	11.371	11.351	11.381	VV	486	7829	0.14%	0.009%
161	11.402	11.381	11.424	VV	585	12554	0.22%	0.014%
162	11.442	11.424	11.458	VV	571	9859	0.17%	0.011%
163	11.480	11.458	11.514	VV	830	20074	0.35%	0.023%
164	11.546	11.514	11.591	VV	620	23157	0.41%	0.026%
165	11.609	11.591	11.625	VV	398	6888	0.12%	0.008%
166	11.743	11.625	11.782	VV	1124	56475	0.99%	0.064%
167	11.792	11.782	11.801	VV	440	5140	0.09%	0.006%
168	11.808	11.801	11.828	VV	570	7262	0.13%	0.008%
169	11.856	11.828	11.878	VV	467	11989	0.21%	0.014%
170	11.904	11.878	11.935	VV	547	15481	0.27%	0.018%
171	11.978	11.935	12.018	VV	875	29318	0.52%	0.033%
172	12.037	12.018	12.061	VV	711	13391	0.24%	0.015%
173	12.078	12.061	12.091	VV	830	11463	0.20%	0.013%
174	12.100	12.091	12.115	VV	564	7173	0.13%	0.008%
175	12.130	12.115	12.162	VV	655	13124	0.23%	0.015%
176	12.229	12.162	12.250	VV	1484	39508	0.69%	0.045%
177	12.267	12.250	12.301	VV	1260	20539	0.36%	0.023%
178	12.342	12.301	12.365	VV	1308	22243	0.39%	0.025%
179	12.406	12.365	12.450	VV	375348	4490097	78.95%	5.092%
180	12.465	12.450	12.505	VV	706	16792	0.30%	0.019%
181	12.514	12.505	12.583	VV	361	10386	0.18%	0.012%
182	12.611	12.583	12.631	VV	177	2826	0.05%	0.003%
183	12.681	12.631	12.711	VV	259	7522	0.13%	0.009%
184	12.754	12.711	12.784	VV	468	10841	0.19%	0.012%
185	12.847	12.784	12.939	VV	380916	4538081	79.80%	5.146%
186	12.949	12.939	12.972	VV	439	7350	0.13%	0.008%
187	13.016	12.972	13.187	VV	332104	4297908	75.57%	4.874%
188	13.208	13.187	13.224	VV	337	5811	0.10%	0.007%
189	13.232	13.224	13.260	VV	427	6223	0.11%	0.007%
190	13.280	13.260	13.328	VV	392	12158	0.21%	0.014%
191	13.330	13.328	13.338	VV	195	1021	0.02%	0.001%
192	13.357	13.338	13.374	VV	354	5031	0.09%	0.006%
193	13.392	13.374	13.413	VV	512	7602	0.13%	0.009%
194	13.442	13.413	13.490	VV	814	16195	0.28%	0.018%

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195	13.502	13.490	13.521	VV	263	3614	0.06%	0.004%
196	13.546	13.521	13.563	VV	1087	14582	0	
197	13.602	13.563	13.715	VV	329969	4240469	74	
198	13.721	13.715	13.777	VV	277	5089	0	
199	13.803	13.777	13.815	VV	144	2627	0	
200	13.836	13.815	13.876	VV	184	4649	0	
201	13.890	13.876	13.975	PV	128	3850	0.07%	0.004%
202	14.033	13.975	14.131	VV	1040	21143	0.37%	0.024%
203	14.160	14.131	14.190	VV	288	4844	0.09%	0.005%
204	14.221	14.190	14.241	VV	119	2546	0.04%	0.003%
205	14.296	14.241	14.330	VV	274	7672	0.13%	0.009%
206	14.344	14.330	14.352	VV	191	1543	0.03%	0.002%
207	14.359	14.352	14.368	VV	166	1130	0.02%	0.001%
208	14.480	14.368	14.501	VV	472	17536	0.31%	0.020%
209	14.511	14.501	14.538	VV	242	3920	0.07%	0.004%
210	14.552	14.538	14.580	VV	240	3855	0.07%	0.004%
211	14.609	14.580	14.624	VV	151	2402	0.04%	0.003%
212	14.655	14.624	14.663	VV	872	11097	0.20%	0.013%
213	14.702	14.663	14.827	VV	310323	4146086	72.90%	4.702%
214	14.860	14.827	14.983	VV	213	11816	0.21%	0.013%
215	14.996	14.983	15.034	VV	128	1874	0.03%	0.002%
216	15.048	15.034	15.065	PV	56	622	0.01%	0.001%
217	15.073	15.065	15.081	VV	107	628	0.01%	0.001%
218	15.089	15.081	15.094	VV	75	513	0.01%	0.001%
219	15.105	15.094	15.115	VV	184	1570	0.03%	0.002%
220	15.124	15.115	15.151	VV	166	2848	0.05%	0.003%
221	15.162	15.151	15.169	VV	131	1297	0.02%	0.001%
222	15.218	15.169	15.287	VV	804	18323	0.32%	0.021%
223	15.346	15.287	15.387	VV	133	5499	0.10%	0.006%
224	15.397	15.387	15.441	VV	169	3670	0.06%	0.004%
225	15.452	15.441	15.488	PV	95	1942	0.03%	0.002%
226	15.542	15.488	15.618	VV	197	10512	0.18%	0.012%
227	15.637	15.618	15.655	VV	123	1720	0.03%	0.002%
228	15.720	15.655	15.833	VV	300801	4058384	71.36%	4.602%
229	15.844	15.833	15.885	VV	164	3029	0.05%	0.003%
230	15.896	15.885	15.955	VV	172	4867	0.09%	0.006%
231	15.963	15.955	16.008	VV	162	2491	0.04%	0.003%
232	16.054	16.008	16.063	VV	184	3494	0.06%	0.004%
233	16.076	16.063	16.111	PV	156	2348	0.04%	0.003%
234	16.119	16.111	16.124	VV	87	501	0.01%	0.001%
235	16.199	16.124	16.231	VV	966	19781	0.35%	0.022%
236	16.250	16.231	16.268	VV	141	2094	0.04%	0.002%
237	16.389	16.268	16.406	VV	178	7896	0.14%	0.009%
238	16.439	16.406	16.455	VV	179	3001	0.05%	0.003%
239	16.547	16.455	16.581	PV	301	9285	0.16%	0.011%
240	16.669	16.581	16.738	VV	289026	3977483	69.94%	4.510%
241	16.757	16.738	16.798	VV	212	4224	0.07%	0.005%
242	16.835	16.798	16.877	VV	116	3225	0.06%	0.004%
243	16.887	16.877	16.923	VV	138	1758	0.03%	0.002%
244	16.960	16.923	16.971	PV	109	1772	0.03%	0.002%
245	16.991	16.971	17.008	VV	139	1761	0.03%	0.002%
246	17.043	17.008	17.055	PV	193	2686	0.05%	0.003%

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247	17.062	17.055	17.071	VV	104	622	0.01%	0.001%
248	17.117	17.071	17.167	VV	1357	20065	0	
249	17.305	17.167	17.324	PV	108	7174	0	
250	17.337	17.324	17.365	VV	132	2796	0	
251	17.376	17.365	17.407	VV	136	1782	0	
252	17.442	17.407	17.475	PV	3361	46477	0	
253	17.485	17.475	17.490	VV	137	904	0.02%	0.001%
254	17.555	17.490	17.611	VV	291741	4006648	70.45%	4.544%
255	17.648	17.611	17.688	VV	293	10286	0.18%	0.012%
256	17.705	17.688	17.714	VV	227	2491	0.04%	0.003%
257	17.789	17.714	17.815	VV	131	6507	0.11%	0.007%
258	17.974	17.815	18.005	PV	1895	35995	0.63%	0.041%
259	18.111	18.005	18.120	VV	114	6180	0.11%	0.007%
260	18.188	18.120	18.205	VV	148	3205	0.06%	0.004%
261	18.238	18.205	18.260	VV	210	4066	0.07%	0.005%
262	18.274	18.260	18.315	VV	234	3864	0.07%	0.004%
263	18.386	18.315	18.445	PV	277197	3965014	69.72%	4.496%
264	18.470	18.445	18.495	VV	284	6136	0.11%	0.007%
265	18.636	18.495	18.661	VV	207	12647	0.22%	0.014%
266	18.716	18.661	18.737	VV	163	4765	0.08%	0.005%
267	18.780	18.737	18.829	PV	1903	31415	0.55%	0.036%
268	19.168	18.829	19.228	VV	290651	4021239	70.71%	4.560%
269	19.324	19.228	19.343	VV	1060	59139	1.04%	0.067%
270	19.541	19.343	19.565	VV	2039	145576	2.56%	0.165%
271	19.808	19.565	19.840	VV	2354	239166	4.21%	0.271%
272	19.908	19.840	19.970	VV	256866	4114227	72.34%	4.666%
273	20.259	19.970	20.288	VV	5097	663169	11.66%	0.752%
274	20.621	20.288	20.685	VV	255529	5451170	95.85%	6.182%
275	20.714	20.685	20.806	VV	5362	376818	6.63%	0.427%
276	20.826	20.806	20.844	VV	4952	111402	1.96%	0.126%
277	20.869	20.844	20.901	VV	4801	163940	2.88%	0.186%
278	20.913	20.901	20.986	VV	4580	222996	3.92%	0.253%
279	21.020	20.986	21.063	VV	4699	200703	3.53%	0.228%
280	21.076	21.063	21.088	VV	4099	59486	1.05%	0.067%
281	21.127	21.088	21.201	VV	4050	262728	4.62%	0.298%
282	21.476	21.201	21.678	VV	214262	5687001	100.00%	6.449%
283	21.757	21.678	21.822	VV	2170	185708	3.27%	0.211%
284	21.896	21.822	21.931	VV	1680	110094	1.94%	0.125%
285	21.994	21.931	22.075	VV	1532	114826	2.02%	0.130%
286	22.152	22.075	22.191	VV	844	57914	1.02%	0.066%
287	22.228	22.191	22.291	VV	590	28782	0.51%	0.033%
288	22.301	22.291	22.365	VV	285	7539	0.13%	0.009%
			Sum of corrected areas:			88183517		

Aliphatic EPH 012425.M Fri Feb 07 23:08:18 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	EX-11-TPH-5MS	SDG No.:	Q1308
Lab Sample ID:	Q1308-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049057.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.11		0.35	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.45		0.40	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.6		1.12	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.7		2.34	3.12	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.4		40 - 140	103%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.8		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	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:	Q1308-04MS	Acq On:	07 Feb 2025 14:20
Client Sample ID:	EX-11-TPH-5MS	Operator:	YP/AJ
Data file:	FD049057.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	10182452	65.596	200	ug/ml
Aromatic C12-C16	5.795	8.398	19665668	121.235	300	ug/ml
Aromatic C16-C21	8.399	12.662	36869969	238.412	500	ug/ml
Aromatic C21-C36	12.663	18.072	56154161	394.056	800	ug/ml
Aromatic EPH	4.076	18.072	122872250	819.298		ug/ml
2-Bromonaphthalene (SURR)	7.354	7.354	7314364	51.39		ug/ml
2-Flurobiphenyl (SURR)	8.204	8.204	4239389	49.82		ug/ml
ortho-Terphenyl (SURR)	11.237	11.237	5336831	32.45		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049057.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:20
Operator : YP/AJ
Sample : Q1308-04MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5MS

Integration File: autoint1.e
Quant Time: Feb 07 23:58:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 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...	7.354	7314364	51.393 ug/ml
Spiked Amount	50.000		Recovery =	102.79%
6) S	2-Flurobiphenyl (SURR)	8.204	4239389	49.824 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	99.65%
11) S	ortho-Terphenyl (SURR)	11.237	5336831	32.452 ug/ml
Spiked Amount	50.000		Recovery =	64.90%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.176	4158510	26.978 ug/ml
2) T	Naphthalene (C11.7)	5.693	4949634	31.665 ug/ml
3) T	2-Methylnaphthalene (...	6.740	4951450	31.918 ug/ml
5) T	Acenaphthylene (C15.06)	8.006	5956386	36.421 ug/ml
7) T	Acenaphthene (C15.5)	8.300	6237251	37.135 ug/ml
8) T	Flouorene (C16.55)	9.079	6299230	40.268 ug/ml
9) T	Phenanthrene (C19.36)	10.466	6232779	40.924 ug/ml
10) T	Anthracene (C19.43)	10.542	6247451	41.014 ug/ml
12) T	Fluoranthene (C21.85)	12.271	6343726	40.330 ug/ml
13) T	Pyrene (C20.8)	12.564	6177274	39.212 ug/ml
14) T	Benzo[a]anthracene (C...	14.434	5863635	45.568 ug/ml
15) T	Chrysene (C27.41)	14.476	5828619	34.469 ug/ml
16) T	benzo[b]fluoranthene ...	15.983	5828935	42.662 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.016	5933509	36.636 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.359	5688610	40.873 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.728	5598616	53.682 ug/ml
20) T	Dibenz[a,h]anthracene...	17.762	5853942	41.007 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.977	5600335	39.262 ug/ml

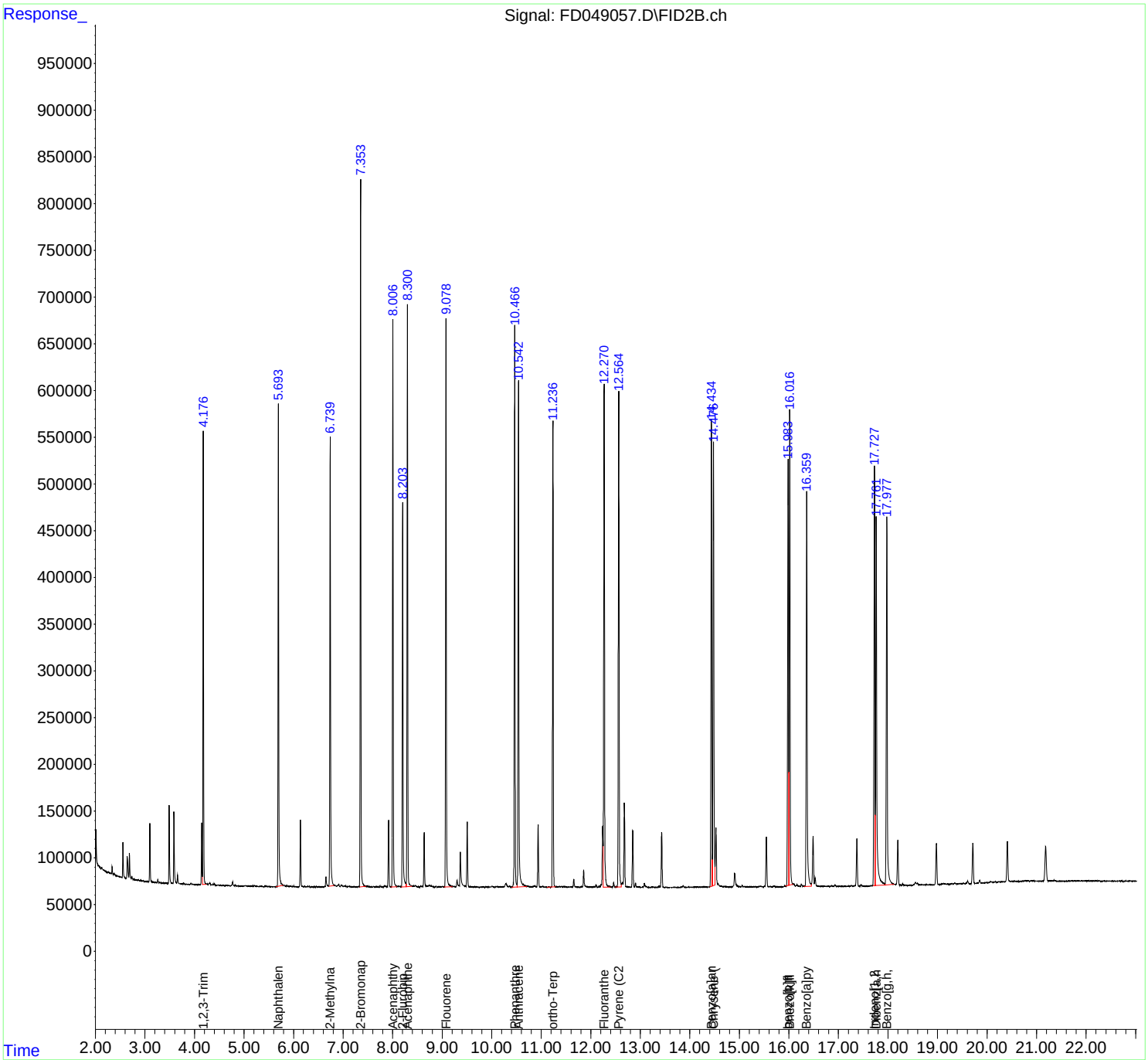
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049057.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:20
Operator : YP/AJ
Sample : Q1308-04MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5MS

Integration File: autoint1.e
Quant Time: Feb 07 23:58:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049057.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:20
Sample : Q1308-04MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.102	4.089	4.120	PV	347	3784	0.05%	0.003%
2	4.146	4.120	4.160	VV	66384	588379	8.00%	0.418%
3	4.176	4.160	4.238	VV	484408	4189721	57.00%	2.976%
4	4.254	4.238	4.274	VV	1638	23554	0.32%	0.017%
5	4.290	4.274	4.300	VV	2013	22749	0.31%	0.016%
6	4.311	4.300	4.339	VV	2205	30411	0.41%	0.022%
7	4.340	4.339	4.348	VV	570	2458	0.03%	0.002%
8	4.367	4.348	4.382	VV	1164	14380	0.20%	0.010%
9	4.397	4.382	4.449	VV	2151	27744	0.38%	0.020%
10	4.475	4.460	4.504	PV	870	10963	0.15%	0.008%
11	4.514	4.504	4.568	VV	509	7645	0.10%	0.005%
12	4.582	4.568	4.607	PV	686	6510	0.09%	0.005%
13	4.630	4.607	4.637	VV	338	3047	0.04%	0.002%
14	4.644	4.637	4.677	VV	267	5360	0.07%	0.004%
15	4.687	4.677	4.723	VV	370	6508	0.09%	0.005%
16	4.769	4.723	4.801	VV	4289	58991	0.80%	0.042%
17	4.826	4.801	4.858	VV	1035	14279	0.19%	0.010%
18	4.873	4.858	4.888	VV	389	4659	0.06%	0.003%
19	4.891	4.888	4.919	VV	357	2929	0.04%	0.002%
20	4.930	4.919	4.940	PV	207	1986	0.03%	0.001%
21	4.957	4.940	4.962	VV	331	2755	0.04%	0.002%
22	4.966	4.962	4.980	VV	321	1580	0.02%	0.001%
23	5.026	4.993	5.075	VV	939	22490	0.31%	0.016%
24	5.082	5.075	5.089	VV	351	2350	0.03%	0.002%
25	5.091	5.089	5.100	VV	384	2238	0.03%	0.002%
26	5.105	5.100	5.118	VV	394	2440	0.03%	0.002%
27	5.132	5.118	5.151	VV	414	4992	0.07%	0.004%
28	5.176	5.151	5.189	VV	694	9515	0.13%	0.007%
29	5.210	5.189	5.239	VV	1386	15586	0.21%	0.011%
30	5.267	5.239	5.284	VV	485	7493	0.10%	0.005%
31	5.307	5.284	5.321	VV	346	4242	0.06%	0.003%
32	5.326	5.321	5.352	VV	361	4392	0.06%	0.003%
33	5.357	5.352	5.372	VV	317	2297	0.03%	0.002%
34	5.375	5.372	5.387	VV	186	1278	0.02%	0.001%
35	5.392	5.387	5.400	VV	218	1078	0.01%	0.001%
36	5.412	5.400	5.440	VV	366	5818	0.08%	0.004%

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37	5.453	5.440	5.484	VV	541	9523	0.13%	0.007%
38	5.499	5.484	5.525	VV	485	7191	0.10%	0.005%
39	5.528	5.525	5.571	VV	331	5978	0.08%	0.004%
40	5.593	5.585	5.600	VV	193	1143	0.02%	0.001%
41	5.618	5.600	5.635	VV	302	3486	0.05%	0.002%
42	5.643	5.635	5.668	VV	248	3606	0.05%	0.003%
43	5.693	5.668	5.792	VV	516187	5034924	68.50%	3.577%
44	5.802	5.792	5.855	VV	2059	50990	0.69%	0.036%
45	5.873	5.855	5.900	VV	1455	24867	0.34%	0.018%
46	5.933	5.900	5.965	VV	845	23616	0.32%	0.017%
47	5.974	5.965	5.984	VV	694	4882	0.07%	0.003%
48	5.987	5.984	5.993	VV	488	2077	0.03%	0.001%
49	5.998	5.993	6.025	VV	833	6769	0.09%	0.005%
50	6.030	6.025	6.050	VV	439	3876	0.05%	0.003%
51	6.075	6.067	6.095	VV	360	4055	0.06%	0.003%
52	6.103	6.095	6.110	VV	376	2665	0.04%	0.002%
53	6.139	6.110	6.177	VV	72099	684693	9.31%	0.486%
54	6.185	6.177	6.199	VV	633	5781	0.08%	0.004%
55	6.221	6.199	6.250	VV	958	14464	0.20%	0.010%
56	6.256	6.250	6.274	VV	574	5963	0.08%	0.004%
57	6.288	6.274	6.305	VV	1245	14022	0.19%	0.010%
58	6.316	6.305	6.340	VV	537	7067	0.10%	0.005%
59	6.358	6.340	6.382	VV	695	8360	0.11%	0.006%
60	6.391	6.382	6.404	VV	316	2238	0.03%	0.002%
61	6.410	6.404	6.425	VV	273	2980	0.04%	0.002%
62	6.430	6.425	6.443	VV	274	1869	0.03%	0.001%
63	6.455	6.443	6.489	VV	458	6708	0.09%	0.005%
64	6.507	6.489	6.554	PV	477	8740	0.12%	0.006%
65	6.577	6.554	6.610	PV	688	8505	0.12%	0.006%
66	6.654	6.610	6.712	VV	11066	170238	2.32%	0.121%
67	6.740	6.712	6.822	VV	480718	5039614	68.56%	3.580%
68	6.828	6.822	6.873	VV	2012	45193	0.61%	0.032%
69	6.891	6.873	6.897	VV	2120	21738	0.30%	0.015%
70	6.913	6.897	6.934	VV	3416	48159	0.66%	0.034%
71	6.975	6.934	7.000	VV	2148	57637	0.78%	0.041%
72	7.025	7.000	7.044	VV	1571	29140	0.40%	0.021%
73	7.057	7.044	7.075	VV	1510	19239	0.26%	0.014%
74	7.085	7.075	7.090	VV	561	3523	0.05%	0.003%
75	7.110	7.090	7.117	VV	887	10007	0.14%	0.007%
76	7.123	7.117	7.137	VV	934	9160	0.12%	0.007%
77	7.143	7.137	7.177	VV	933	12714	0.17%	0.009%
78	7.191	7.177	7.207	VV	409	4794	0.07%	0.003%
79	7.222	7.207	7.255	VV	941	13721	0.19%	0.010%
80	7.271	7.255	7.287	VV	460	5848	0.08%	0.004%
81	7.314	7.287	7.329	VV	1186	14160	0.19%	0.010%
82	7.354	7.329	7.447	VV	757196	7350747	100.00%	5.222%
83	7.451	7.447	7.467	VV	1142	12721	0.17%	0.009%
84	7.476	7.467	7.485	VV	1207	11643	0.16%	0.008%
85	7.489	7.485	7.526	VV	1188	19558	0.27%	0.014%
86	7.532	7.526	7.563	VV	679	9856	0.13%	0.007%
87	7.581	7.563	7.590	VV	574	6121	0.08%	0.004%
88	7.617	7.590	7.659	VV	983	18596	0.25%	0.013%
89	7.677	7.659	7.719	VV	863	15730	0.21%	0.011%

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90	7.723	7.719	7.729	VV	419	2085	0.03%	0.001%
91	7.744	7.729	7.805	VV	1121	22287	0.30%	0.016%
92	7.842	7.805	7.856	PV	1405	22444	0.31%	0.016%
93	7.871	7.856	7.894	VV	1054	18685	0.25%	0.013%
94	7.920	7.894	7.963	VV	71629	749254	10.19%	0.532%
95	7.972	7.963	7.979	VV	618	4038	0.05%	0.003%
96	8.006	7.979	8.096	VV	605954	5993311	81.53%	4.257%
97	8.114	8.096	8.135	VV	1482	22839	0.31%	0.016%
98	8.147	8.135	8.179	VV	1081	16750	0.23%	0.012%
99	8.204	8.179	8.274	VV	412282	4272832	58.13%	3.035%
100	8.300	8.274	8.406	VV	624130	6319678	85.97%	4.489%
101	8.412	8.406	8.417	VV	1510	8720	0.12%	0.006%
102	8.422	8.417	8.439	VV	1539	16553	0.23%	0.012%
103	8.455	8.439	8.498	VV	1843	44022	0.60%	0.031%
104	8.515	8.498	8.539	VV	866	15274	0.21%	0.011%
105	8.566	8.539	8.587	VV	1232	24553	0.33%	0.017%
106	8.592	8.587	8.610	VV	1095	10715	0.15%	0.008%
107	8.638	8.610	8.685	VV	58864	626876	8.53%	0.445%
108	8.689	8.685	8.695	VV	1422	8068	0.11%	0.006%
109	8.712	8.695	8.720	VV	1676	21624	0.29%	0.015%
110	8.747	8.720	8.762	VV	2606	50990	0.69%	0.036%
111	8.767	8.762	8.789	VV	1710	23963	0.33%	0.017%
112	8.790	8.789	8.809	VV	1545	12332	0.17%	0.009%
113	8.821	8.809	8.853	VV	932	13963	0.19%	0.010%
114	8.874	8.853	8.897	VV	1303	17075	0.23%	0.012%
115	8.914	8.897	8.937	VV	862	13075	0.18%	0.009%
116	8.946	8.937	8.960	VV	643	6508	0.09%	0.005%
117	9.005	8.960	9.038	VV	1271	32098	0.44%	0.023%
118	9.042	9.038	9.050	VV	553	3242	0.04%	0.002%
119	9.079	9.050	9.215	VV	608291	6359748	86.52%	4.518%
120	9.238	9.215	9.263	VV	1090	23116	0.31%	0.016%
121	9.302	9.263	9.328	VV	7835	121585	1.65%	0.086%
122	9.338	9.328	9.350	VV	2282	25388	0.35%	0.018%
123	9.368	9.350	9.482	VV	37968	587815	8.00%	0.418%
124	9.507	9.482	9.547	VV	70342	768343	10.45%	0.546%
125	9.555	9.547	9.559	VV	681	4430	0.06%	0.003%
126	9.567	9.559	9.572	VV	784	4896	0.07%	0.003%
127	9.574	9.572	9.593	VV	839	7822	0.11%	0.006%
128	9.610	9.593	9.641	VV	674	14282	0.19%	0.010%
129	9.655	9.641	9.661	VV	556	4835	0.07%	0.003%
130	9.676	9.661	9.707	VV	589	11405	0.16%	0.008%
131	9.722	9.707	9.764	VV	571	9805	0.13%	0.007%
132	9.787	9.764	9.800	VV	396	5638	0.08%	0.004%
133	9.822	9.800	9.827	VV	710	7325	0.10%	0.005%
134	9.837	9.827	9.860	VV	747	8091	0.11%	0.006%
135	9.864	9.860	9.869	VV	361	1155	0.02%	0.001%
136	9.894	9.869	9.913	VV	638	11472	0.16%	0.008%
137	9.937	9.913	9.950	VV	610	9426	0.13%	0.007%
138	9.961	9.950	9.988	VV	691	11586	0.16%	0.008%
139	10.009	9.988	10.065	VV	1413	30132	0.41%	0.021%
140	10.109	10.072	10.115	VV	850	16733	0.23%	0.012%
141	10.122	10.115	10.159	VV	851	15082	0.21%	0.011%

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142	10.173	10.159	10.200	VV	671	12480	0.17%	0.009%
143	10.210	10.200	10.230	VV	712	10767	0.15%	0.008%
144	10.245	10.230	10.255	VV	1022	12583	0.17%	0.009%
145	10.289	10.255	10.343	VV	4479	116326	1.58%	0.083%
146	10.365	10.343	10.392	VV	1409	24597	0.33%	0.017%
147	10.466	10.392	10.514	VV	599972	6254235	85.08%	4.443%
148	10.542	10.514	10.692	VV	542670	6322010	86.00%	4.491%
149	10.698	10.692	10.721	VV	1566	21986	0.30%	0.016%
150	10.726	10.721	10.780	VV	1251	31763	0.43%	0.023%
151	10.786	10.780	10.800	VV	921	8323	0.11%	0.006%
152	10.807	10.800	10.830	VV	677	11712	0.16%	0.008%
153	10.870	10.830	10.905	VV	1718	50971	0.69%	0.036%
154	10.939	10.905	10.995	VV	67059	770230	10.48%	0.547%
155	11.024	10.995	11.074	VV	1136	28551	0.39%	0.020%
156	11.077	11.074	11.081	VV	472	1588	0.02%	0.001%
157	11.087	11.081	11.117	VV	500	8209	0.11%	0.006%
158	11.133	11.117	11.162	VV	577	10493	0.14%	0.007%
159	11.164	11.162	11.195	VV	422	5330	0.07%	0.004%
160	11.237	11.195	11.314	VV	499476	5377891	73.16%	3.820%
161	11.320	11.314	11.337	VV	871	9532	0.13%	0.007%
162	11.366	11.337	11.388	VV	935	21825	0.30%	0.016%
163	11.407	11.388	11.432	VV	1408	24028	0.33%	0.017%
164	11.449	11.432	11.467	VV	951	15512	0.21%	0.011%
165	11.481	11.467	11.542	VV	899	26565	0.36%	0.019%
166	11.549	11.542	11.556	VV	446	3256	0.04%	0.002%
167	11.595	11.556	11.615	VV	1002	22420	0.31%	0.016%
168	11.659	11.615	11.682	VV	8777	115337	1.57%	0.082%
169	11.693	11.682	11.714	VV	1094	15365	0.21%	0.011%
170	11.727	11.714	11.733	VV	553	5116	0.07%	0.004%
171	11.738	11.733	11.762	VV	519	6865	0.09%	0.005%
172	11.765	11.762	11.777	VV	391	2462	0.03%	0.002%
173	11.808	11.777	11.833	VV	996	22360	0.30%	0.016%
174	11.856	11.833	11.900	VV	18142	232634	3.16%	0.165%
175	11.905	11.900	11.924	VV	1341	13562	0.18%	0.010%
176	11.933	11.924	11.953	VV	980	13728	0.19%	0.010%
177	11.957	11.953	11.961	VV	654	2594	0.04%	0.002%
178	11.971	11.961	11.988	VV	786	9951	0.14%	0.007%
179	12.007	11.988	12.023	VV	628	10141	0.14%	0.007%
180	12.027	12.023	12.041	VV	480	4341	0.06%	0.003%
181	12.046	12.041	12.052	VV	502	2321	0.03%	0.002%
182	12.075	12.052	12.090	VV	1147	18084	0.25%	0.013%
183	12.106	12.090	12.139	VV	3198	41050	0.56%	0.029%
184	12.144	12.139	12.150	VV	468	2646	0.04%	0.002%
185	12.179	12.150	12.190	VV	1307	22181	0.30%	0.016%
186	12.208	12.190	12.215	VV	3327	32331	0.44%	0.023%
187	12.240	12.215	12.249	VV	65721	681691	9.27%	0.484%
188	12.271	12.249	12.369	VV	538076	6368539	86.64%	4.524%
189	12.373	12.369	12.402	VV	1307	19784	0.27%	0.014%
190	12.407	12.402	12.422	VV	705	7382	0.10%	0.005%
191	12.423	12.422	12.430	VV	733	2914	0.04%	0.002%
192	12.438	12.430	12.443	VV	599	4489	0.06%	0.003%
193	12.461	12.443	12.501	VV	5178	69833	0.95%	0.050%
194	12.515	12.501	12.532	VV	723	10984	0.15%	0.008%

195	12.564	12.532	12.620	VV	531642	6211564	84.50%	4.412%
196	12.637	12.620	12.652	VV	5495	84667	1.15%	0.060%
197	12.678	12.652	12.770	VV	90234	1084591	14.75%	0.770%
198	12.774	12.770	12.780	VV	483	2905	0.04%	0.002%
199	12.786	12.780	12.804	VV	649	7184	0.10%	0.005%
200	12.813	12.804	12.819	VV	562	4065	0.06%	0.003%
201	12.847	12.819	12.880	VV	61063	728239	9.91%	0.517%
202	12.904	12.880	12.928	VV	4763	65657	0.89%	0.047%
203	12.939	12.928	12.977	VV	877	19680	0.27%	0.014%
204	12.982	12.977	12.987	VV	734	3391	0.05%	0.002%
205	12.988	12.987	13.008	VV	730	4665	0.06%	0.003%
206	13.020	13.008	13.029	VV	475	4835	0.07%	0.003%
207	13.051	13.029	13.061	VV	793	10815	0.15%	0.008%
208	13.080	13.061	13.120	VV	4960	77867	1.06%	0.055%
209	13.125	13.120	13.165	VV	995	14877	0.20%	0.011%
210	13.176	13.165	13.189	VV	388	4130	0.06%	0.003%
211	13.195	13.189	13.200	VV	281	1846	0.03%	0.001%
212	13.204	13.200	13.209	VV	338	1314	0.02%	0.001%
213	13.232	13.209	13.242	VV	598	7481	0.10%	0.005%
214	13.259	13.242	13.292	VV	569	10784	0.15%	0.008%
215	13.300	13.292	13.315	VV	508	4748	0.06%	0.003%
216	13.324	13.315	13.330	VV	289	1987	0.03%	0.001%
217	13.337	13.330	13.340	VV	294	1310	0.02%	0.001%
218	13.344	13.340	13.347	VV	342	1085	0.01%	0.001%
219	13.385	13.347	13.400	VV	1549	27564	0.37%	0.020%
220	13.431	13.400	13.475	VV	59486	728662	9.91%	0.518%
221	13.480	13.475	13.490	VV	381	2676	0.04%	0.002%
222	13.493	13.490	13.505	VV	323	1860	0.03%	0.001%
223	13.509	13.505	13.532	VV	263	2482	0.03%	0.002%
224	13.535	13.532	13.541	VV	246	1348	0.02%	0.001%
225	13.545	13.541	13.561	VV	204	1506	0.02%	0.001%
226	13.595	13.561	13.625	PV	249	3874	0.05%	0.003%
227	13.662	13.642	13.670	VV	277	2742	0.04%	0.002%
228	13.677	13.670	13.682	VV	167	1409	0.02%	0.001%
229	13.692	13.682	13.710	VV	305	3446	0.05%	0.002%
230	13.730	13.710	13.738	VV	252	2957	0.04%	0.002%
231	13.753	13.738	13.765	VV	268	3156	0.04%	0.002%
232	13.769	13.765	13.777	VV	231	1425	0.02%	0.001%
233	13.833	13.786	13.847	VV	733	16772	0.23%	0.012%
234	13.864	13.847	13.892	VV	2166	32862	0.45%	0.023%
235	13.896	13.892	13.935	VV	501	7952	0.11%	0.006%
236	13.947	13.935	13.954	VV	522	4286	0.06%	0.003%
237	13.958	13.954	13.987	VV	509	8029	0.11%	0.006%
238	13.991	13.987	14.002	VV	572	4029	0.05%	0.003%
239	14.020	14.002	14.031	VV	503	6693	0.09%	0.005%
240	14.042	14.031	14.056	VV	477	5291	0.07%	0.004%
241	14.082	14.056	14.124	VV	796	23413	0.32%	0.017%
242	14.140	14.124	14.150	VV	653	8614	0.12%	0.006%
243	14.162	14.150	14.217	VV	645	21716	0.30%	0.015%
244	14.235	14.217	14.243	VV	600	7611	0.10%	0.005%
245	14.251	14.243	14.262	VV	541	5444	0.07%	0.004%
246	14.305	14.262	14.326	VV	833	24845	0.34%	0.018%

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247	14.336	14.326	14.351	VV	635	8366	0.11%	0.006%
248	14.376	14.351	14.398	VV	717	17850	0.24%	0.013%
249	14.434	14.398	14.453	VV	500596	5905732	80.34%	4.195%
250	14.476	14.453	14.507	VV	475103	5895522	80.20%	4.188%
251	14.526	14.507	14.684	VV	64177	1074877	14.62%	0.764%
252	14.698	14.684	14.715	VV	1226	21235	0.29%	0.015%
253	14.721	14.715	14.796	VV	1046	42225	0.57%	0.030%
254	14.824	14.796	14.857	VV	925	28235	0.38%	0.020%
255	14.904	14.857	15.030	VV	15348	363368	4.94%	0.258%
256	15.056	15.030	15.085	VV	2073	44973	0.61%	0.032%
257	15.099	15.085	15.128	VV	1202	23392	0.32%	0.017%
258	15.157	15.128	15.169	VV	957	19841	0.27%	0.014%
259	15.173	15.169	15.221	VV	975	26567	0.36%	0.019%
260	15.243	15.221	15.275	VV	1020	27538	0.37%	0.020%
261	15.296	15.275	15.311	VV	1048	18266	0.25%	0.013%
262	15.325	15.311	15.344	VV	926	16378	0.22%	0.012%
263	15.423	15.344	15.487	VV	1308	85666	1.17%	0.061%
264	15.544	15.487	15.580	VV	54117	731517	9.95%	0.520%
265	15.595	15.580	15.657	VV	1173	44258	0.60%	0.031%
266	15.698	15.657	15.737	VV	1737	51674	0.70%	0.037%
267	15.750	15.737	15.758	VV	927	10200	0.14%	0.007%
268	15.773	15.758	15.787	VV	856	14154	0.19%	0.010%
269	15.797	15.787	15.812	VV	880	12422	0.17%	0.009%
270	15.822	15.812	15.839	VV	861	13077	0.18%	0.009%
271	15.861	15.839	15.882	VV	990	21932	0.30%	0.016%
272	15.919	15.882	15.945	VV	2166	52361	0.71%	0.037%
273	15.983	15.945	15.998	VV	460108	5915823	80.48%	4.202%
274	16.015	15.998	16.084	VV	511795	6071233	82.59%	4.313%
275	16.097	16.084	16.138	VV	4177	94129	1.28%	0.067%
276	16.160	16.138	16.194	VV	3114	74346	1.01%	0.053%
277	16.206	16.194	16.234	VV	1796	37283	0.51%	0.026%
278	16.251	16.234	16.300	VV	3795	83274	1.13%	0.059%
279	16.358	16.300	16.450	VV	423758	5806737	79.00%	4.125%
280	16.486	16.450	16.512	VV	54996	808477	11.00%	0.574%
281	16.529	16.512	16.641	VV	10453	238611	3.25%	0.169%
282	16.649	16.641	16.658	VV	1196	12491	0.17%	0.009%
283	16.670	16.658	16.720	VV	1396	47003	0.64%	0.033%
284	16.728	16.720	16.751	VV	1328	23379	0.32%	0.017%
285	16.759	16.751	16.767	VV	1301	11608	0.16%	0.008%
286	16.792	16.767	16.829	VV	1573	48663	0.66%	0.035%
287	16.857	16.829	16.895	VV	1780	57914	0.79%	0.041%
288	16.933	16.895	16.972	VV	2751	81516	1.11%	0.058%
289	17.019	16.972	17.040	VV	1504	55143	0.75%	0.039%
290	17.074	17.040	17.114	VV	1498	57943	0.79%	0.041%
291	17.143	17.114	17.157	VV	1376	34218	0.47%	0.024%
292	17.170	17.157	17.197	VV	1395	32072	0.44%	0.023%
293	17.229	17.197	17.239	VV	1526	35472	0.48%	0.025%
294	17.262	17.239	17.290	VV	1979	51228	0.70%	0.036%
295	17.371	17.290	17.427	VV	52538	796535	10.84%	0.566%
296	17.457	17.427	17.530	VV	3120	113844	1.55%	0.081%
297	17.534	17.530	17.544	VV	1655	12663	0.17%	0.009%
298	17.576	17.544	17.600	VV	1608	49141	0.67%	0.035%
299	17.656	17.600	17.670	VV	1862	68745	0.94%	0.049%

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300	17.727	17.670	17.742	VV	449664	5670487	77.14%	4.028%
301	17.762	17.742	17.942	VV	396469	6155488	83.74%	4.373%
302	17.977	17.942	18.157	VV	397027	6010949	81.77%	4.270%
303	18.198	18.157	18.267	VV	51255	839375	11.42%	0.596%
304	18.294	18.267	18.300	VBA	3864	62564	0.85%	0.044%

Sum of corrected areas: 140775674

Aromatic EPH 012425.M Sat Feb 08 00:45:43 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	EX-11-TPH-5MSD	SDG No.:	Q1308
Lab Sample ID:	Q1308-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 14:20	02/07/25 15:33	PB166603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.24		1	0.44	1.17	mg/kg	FC068235.D
Aliphatic C12-C16	Aliphatic C12-C16	6.46		1	0.28	0.78	mg/kg	FC068235.D
Aliphatic C16-C21	Aliphatic C16-C21	8.44		1	0.35	1.17	mg/kg	FC068235.D
Aliphatic C21-C28	Aliphatic C21-C28	10.3		1	0.94	1.56	mg/kg	FC068235.D
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	2.10	2.34	mg/kg	FC068235.D
Aromatic C10-C12	Aromatic C10-C12	5.11		1	0.35	0.78	mg/kg	FD049058.D
Aromatic C12-C16	Aromatic C12-C16	9.43		1	0.40	1.17	mg/kg	FD049058.D
Aromatic C16-C21	Aromatic C16-C21	18.5		1	1.12	1.95	mg/kg	FD049058.D
Aromatic C21-C36	Aromatic C21-C36	29.5		1	2.34	3.12	mg/kg	FD049058.D
Total AliphaticEPH	Total AliphaticEPH	54.0			4.11	7.02	mg/kg	
Total AromaticEPH	Total AromaticEPH	62.5			4.21	7.02	mg/kg	
Total EPH	Total EPH	117			8.32	14.0	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	EX-11-TPH-5MSD	SDG No.:	Q1308
Lab Sample ID:	Q1308-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068235.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.24		0.44	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.46		0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.44		0.35	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.3		0.94	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.6		2.10	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1308-04MSD	Acq On:	07 Feb 2025 15:33
Client Sample ID:	EX-11-TPH-5MSD	Operator:	YP/AJ
Data file:	FC068235.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	3.111	6.377	11086761	80.056	300	ug/ml
Aliphatic C12-C16	6.378	9.762	11408986	82.846	200	ug/ml
Aliphatic C16-C21	9.763	13.116	14616520	108.255	300	ug/ml
Aliphatic C21-C28	13.117	16.769	16811089	132.155	400	ug/ml
Aliphatic C28-C40	16.770	21.574	30057596	290.022	600	ug/ml
Aliphatic EPH	3.111	21.574	83980952	693.334		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.847	12.847	4451631	38.71		ug/ml
Aliphatic C9-C28	3.111	16.769	53923356	403.312	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068235.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 15:33
Operator : YP/AJ
Sample : Q1308-04MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 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...	12.847	4451631	38.709 ug/ml
Spiked Amount	50.000		Recovery =	77.42%
	Target Compounds			
1) T	n-Nonane (C9)	3.211	2792946	20.396 ug/ml
2) T	n-Decane (C10)	4.267	3367788	24.258 ug/mlm
4) T	n-Dodecane (C12)	6.276	3893521	27.871 ug/ml
6) T	n-Tetradecane (C14)	8.065	4327961	31.712 ug/ml
7) T	n-Hexadecane (C16)	9.661	4409385	31.734 ug/ml
8) T	n-Octadecane (C18)	11.099	4430987	31.669 ug/ml
10) T	n-Eicosane (C20)	12.406	4489861	33.556 ug/ml
11) T	n-Heneicosane (C21)	13.015	4276405	32.560 ug/ml
13) T	n-Docosane (C22)	13.600	4231995	32.671 ug/ml
14) T	n-Tetracosane (C24)	14.701	4148902	32.316 ug/ml
15) T	n-Hexacosane (C26)	15.720	4053103	32.209 ug/ml
16) T	n-Octacosane (C28)	16.668	3980200	31.823 ug/ml
17) T	n-Tricontane (C30)	17.555	4015733	31.068 ug/ml
18) T	n-Dotriacontane (C32)	18.386	3973130	31.782 ug/ml
19) T	n-Tetratriacontane (C34)	19.168	3949911	36.413 ug/ml
20) T	n-Hexatriacontane (C36)	19.907	3906650	42.214 ug/ml
21) T	n-Octatriacontane (C38)	20.617	4250330	49.602 ug/mlm
22) T	n-Tetracontane (C40)	21.476	4851224	59.996 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
Data File : FC068235.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 15:33
Operator : YP/AJ
Sample : Q1308-04MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

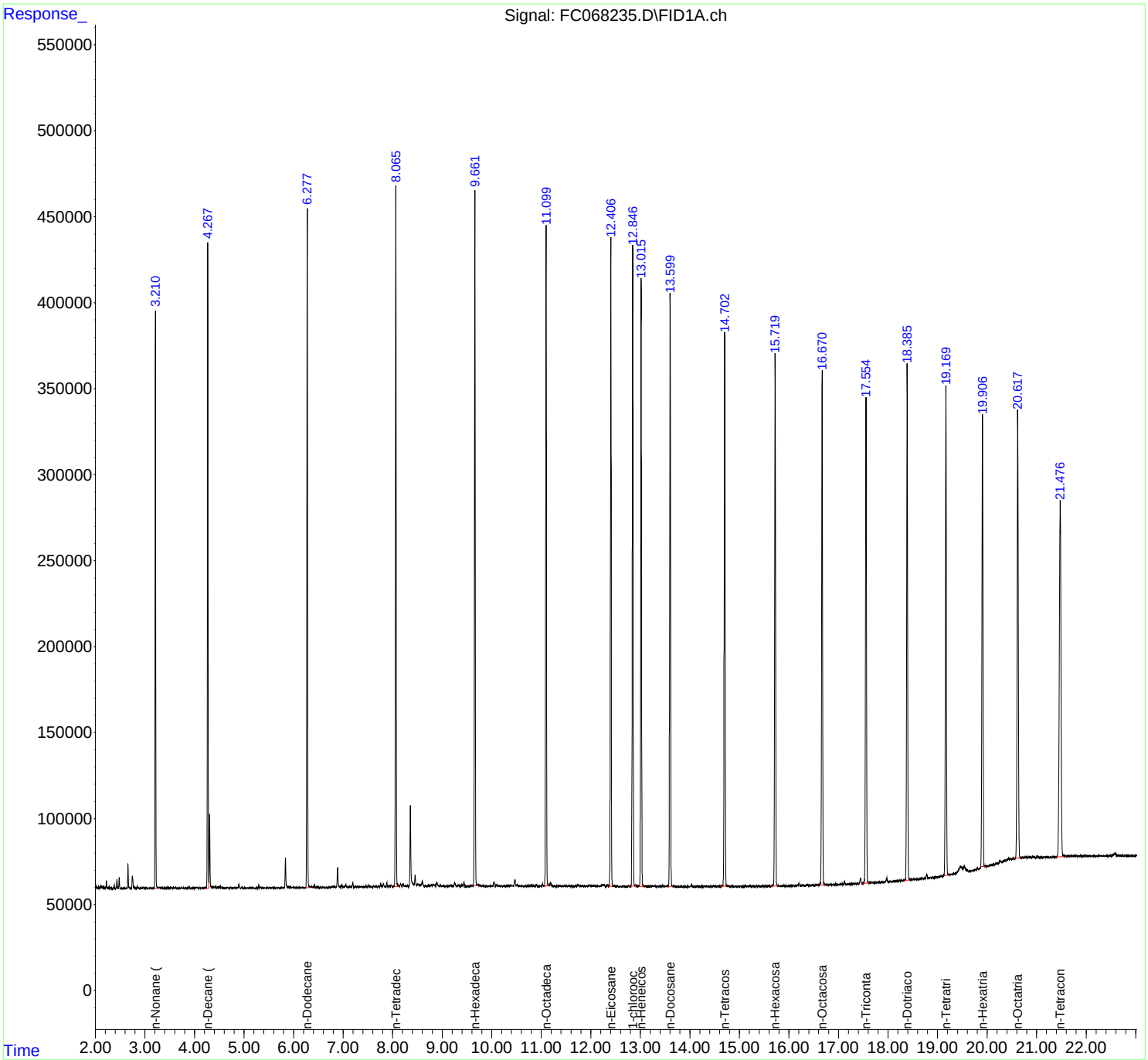
Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
Quant Time: Feb 07 22:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02072
Data File : FC068235.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 15:33
Sample : Q1308-04MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.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	3.036	3.004	3.094	BV	141	2798	0.05%	0.003%
2	3.107	3.094	3.180	PV	198	3060	0.06%	0.003%
3	3.211	3.180	3.321	PV	335704	2805918	54.08%	3.147%
4	3.329	3.321	3.368	VV	291	5069	0.10%	0.006%
5	3.413	3.368	3.426	VV	286	5844	0.11%	0.007%
6	3.484	3.426	3.504	VV	358	9052	0.17%	0.010%
7	3.522	3.504	3.563	VV	343	7757	0.15%	0.009%
8	3.578	3.563	3.598	VV	229	3450	0.07%	0.004%
9	3.613	3.598	3.681	VV	207	5711	0.11%	0.006%
10	3.698	3.681	3.714	PV	189	2493	0.05%	0.003%
11	3.735	3.714	3.761	VV	202	3702	0.07%	0.004%
12	3.784	3.761	3.841	VV	202	5757	0.11%	0.006%
13	3.870	3.841	3.883	VV	392	5396	0.10%	0.006%
14	3.898	3.883	3.952	VV	624	9769	0.19%	0.011%
15	3.965	3.952	3.991	VV	184	2537	0.05%	0.003%
16	4.045	3.991	4.093	VV	588	13903	0.27%	0.016%
17	4.117	4.093	4.128	VV	174	2550	0.05%	0.003%
18	4.178	4.128	4.212	VV	244	6900	0.13%	0.008%
19	4.221	4.212	4.235	VV	200	2109	0.04%	0.002%
20	4.268	4.235	4.290	VV	375771	3368322	64.92%	3.778%
21	4.305	4.290	4.353	VV	43075	408234	7.87%	0.458%
22	4.369	4.353	4.393	VV	922	15821	0.30%	0.018%
23	4.410	4.393	4.421	VV	883	10725	0.21%	0.012%
24	4.434	4.421	4.473	VV	1002	16733	0.32%	0.019%
25	4.489	4.473	4.504	VV	739	9278	0.18%	0.010%
26	4.520	4.504	4.608	VV	1331	26438	0.51%	0.030%
27	4.634	4.608	4.654	VV	283	5728	0.11%	0.006%
28	4.664	4.654	4.704	VV	233	5186	0.10%	0.006%
29	4.729	4.704	4.764	VV	336	5511	0.11%	0.006%
30	4.816	4.764	4.842	VV	320	7480	0.14%	0.008%
31	4.895	4.842	4.934	PV	2385	32355	0.62%	0.036%
32	4.952	4.934	5.048	VV	520	11343	0.22%	0.013%
33	5.061	5.048	5.081	VV	121	1905	0.04%	0.002%
34	5.086	5.081	5.092	VV	249	1035	0.02%	0.001%
35	5.098	5.092	5.106	VV	192	1142	0.02%	0.001%
36	5.122	5.106	5.141	VV	255	3191	0.06%	0.004%

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					rteres			
37	5.152	5.141	5.159	VV	169	1183	0.02%	0.001%
38	5.184	5.159	5.198	VV	171	2923		
39	5.221	5.198	5.247	VV	119	3386		
40	5.265	5.247	5.276	VV	248	2696		
41	5.298	5.276	5.323	VV	1370	17600		
42	5.338	5.323	5.383	VV	771	10819		
43	5.395	5.383	5.411	VV	197	2244	0.04%	0.003%
44	5.417	5.411	5.434	VV	181	1590	0.03%	0.002%
45	5.475	5.434	5.536	VV	423	10127	0.20%	0.011%
46	5.547	5.536	5.562	VV	152	1845	0.04%	0.002%
47	5.589	5.562	5.627	VV	314	6885	0.13%	0.008%
48	5.642	5.627	5.684	VV	138	4003	0.08%	0.004%
49	5.693	5.684	5.721	VV	146	1805	0.03%	0.002%
50	5.746	5.721	5.779	PV	222	3920	0.08%	0.004%
51	5.799	5.779	5.810	VV	244	2662	0.05%	0.003%
52	5.837	5.810	5.911	VV	17403	199984	3.85%	0.224%
53	5.934	5.911	5.978	VV	838	16403	0.32%	0.018%
54	5.997	5.978	6.035	VV	532	11696	0.23%	0.013%
55	6.069	6.035	6.094	VV	392	10440	0.20%	0.012%
56	6.107	6.094	6.140	VV	345	6655	0.13%	0.007%
57	6.163	6.140	6.224	VV	444	13764	0.27%	0.015%
58	6.276	6.224	6.339	VV	399046	3911609	75.39%	4.387%
59	6.358	6.339	6.380	VV	762	14178	0.27%	0.016%
60	6.395	6.380	6.407	VV	551	7097	0.14%	0.008%
61	6.423	6.407	6.441	VV	1280	15884	0.31%	0.018%
62	6.455	6.441	6.480	VV	557	8690	0.17%	0.010%
63	6.495	6.480	6.524	VV	627	8992	0.17%	0.010%
64	6.550	6.524	6.569	VV	414	7498	0.14%	0.008%
65	6.593	6.569	6.614	VV	506	9638	0.19%	0.011%
66	6.632	6.614	6.643	VV	301	4140	0.08%	0.005%
67	6.669	6.643	6.691	VV	393	7772	0.15%	0.009%
68	6.717	6.691	6.744	VV	632	12120	0.23%	0.014%
69	6.768	6.744	6.781	VV	708	11322	0.22%	0.013%
70	6.794	6.781	6.814	VV	781	13453	0.26%	0.015%
71	6.827	6.814	6.858	VV	803	14364	0.28%	0.016%
72	6.889	6.858	6.954	VV	11763	154978	2.99%	0.174%
73	6.974	6.954	7.014	VV	1804	32080	0.62%	0.036%
74	7.055	7.014	7.086	VV	2141	40023	0.77%	0.045%
75	7.113	7.086	7.144	VV	599	18311	0.35%	0.021%
76	7.162	7.144	7.174	VV	743	10815	0.21%	0.012%
77	7.196	7.174	7.221	VV	3189	39769	0.77%	0.045%
78	7.258	7.221	7.270	VV	674	15932	0.31%	0.018%
79	7.285	7.270	7.311	VV	830	14736	0.28%	0.017%
80	7.326	7.311	7.341	VV	557	8643	0.17%	0.010%
81	7.366	7.341	7.393	VV	928	19166	0.37%	0.021%
82	7.407	7.393	7.434	VV	492	9802	0.19%	0.011%
83	7.455	7.434	7.484	VV	1236	21187	0.41%	0.024%
84	7.505	7.484	7.518	VV	1308	18346	0.35%	0.021%
85	7.527	7.518	7.544	VV	1041	13821	0.27%	0.016%
86	7.554	7.544	7.588	VV	769	14421	0.28%	0.016%
87	7.619	7.588	7.638	VV	1000	19037	0.37%	0.021%
88	7.652	7.638	7.662	VV	853	10553	0.20%	0.012%
89	7.671	7.662	7.698	VV	863	13676	0.26%	0.015%

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Manual IntegrationsAPPROVED

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rteres

90	7.716	7.698	7.734	VV	935	15274	0.29%	0.017%
91	7.760	7.734	7.784	VV	2454	39236		
92	7.815	7.784	7.839	VV	2560	42518		
93	7.855	7.839	7.868	VV	830	12193		
94	7.885	7.868	7.906	VV	2902	37046		
95	7.921	7.906	7.951	VV	968	22283		
96	7.971	7.951	7.998	VV	1725	28171	0.54%	0.032%
97	8.006	7.998	8.030	VV	836	14712	0.28%	0.017%
98	8.065	8.030	8.140	VV	406823	4379995	84.42%	4.913%
99	8.161	8.140	8.193	VV	2046	43780	0.84%	0.049%
100	8.213	8.193	8.234	VV	2332	36283	0.70%	0.041%
101	8.256	8.234	8.280	VV	1143	24727	0.48%	0.028%
102	8.298	8.280	8.323	VV	1154	22418	0.43%	0.025%
103	8.359	8.323	8.431	VV	47405	618487	11.92%	0.694%
104	8.455	8.431	8.491	VV	7228	115200	2.22%	0.129%
105	8.509	8.491	8.531	VV	2258	41226	0.79%	0.046%
106	8.550	8.531	8.562	VV	1683	28702	0.55%	0.032%
107	8.600	8.562	8.654	VV	4143	101270	1.95%	0.114%
108	8.670	8.654	8.692	VV	1230	22224	0.43%	0.025%
109	8.717	8.692	8.732	VV	1205	23137	0.45%	0.026%
110	8.745	8.732	8.760	VV	1303	18525	0.36%	0.021%
111	8.783	8.760	8.802	VV	1625	33814	0.65%	0.038%
112	8.819	8.802	8.864	VV	1841	56122	1.08%	0.063%
113	8.897	8.864	8.947	VV	2799	81157	1.56%	0.091%
114	8.968	8.947	8.994	VV	1561	30026	0.58%	0.034%
115	9.018	8.994	9.054	VV	1041	28383	0.55%	0.032%
116	9.080	9.054	9.094	VV	882	18353	0.35%	0.021%
117	9.119	9.094	9.148	VV	1077	30361	0.59%	0.034%
118	9.182	9.148	9.222	VV	1602	46508	0.90%	0.052%
119	9.253	9.222	9.284	VV	2638	56638	1.09%	0.064%
120	9.301	9.284	9.317	VV	1388	20953	0.40%	0.024%
121	9.337	9.317	9.361	VV	1428	29117	0.56%	0.033%
122	9.394	9.361	9.411	VV	1431	32727	0.63%	0.037%
123	9.440	9.411	9.481	VV	3260	59448	1.15%	0.067%
124	9.496	9.481	9.516	VV	699	13604	0.26%	0.015%
125	9.580	9.516	9.626	VV	1252	56330	1.09%	0.063%
126	9.661	9.626	9.724	VV	404220	4473785	86.23%	5.018%
127	9.731	9.724	9.818	VV	1367	57987	1.12%	0.065%
128	9.829	9.818	9.853	VV	935	16387	0.32%	0.018%
129	9.874	9.853	9.915	VV	852	26203	0.51%	0.029%
130	9.935	9.915	9.953	VV	866	17119	0.33%	0.019%
131	9.977	9.953	9.991	VV	905	17380	0.33%	0.019%
132	10.007	9.991	10.016	VV	817	11431	0.22%	0.013%
133	10.047	10.016	10.071	VV	3081	59121	1.14%	0.066%
134	10.093	10.071	10.111	VV	1145	24444	0.47%	0.027%
135	10.125	10.111	10.154	VV	1077	23718	0.46%	0.027%
136	10.169	10.154	10.182	VV	872	14032	0.27%	0.016%
137	10.190	10.182	10.218	VV	882	15119	0.29%	0.017%
138	10.258	10.218	10.268	VV	887	21410	0.41%	0.024%
139	10.288	10.268	10.311	VV	904	20733	0.40%	0.023%
140	10.330	10.311	10.357	VV	1224	28044	0.54%	0.031%
141	10.395	10.357	10.430	VV	1306	44205	0.85%	0.050%

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rteres

142	10.468	10.430	10.494	VV	4517	83448	1.61%	0.094%
143	10.520	10.494	10.551	VV	1565	36676		
144	10.575	10.551	10.602	VV	806	23058		
145	10.612	10.602	10.646	VV	899	19405		
146	10.655	10.646	10.698	VV	721	20978		
147	10.721	10.698	10.747	VV	933	23413		
148	10.791	10.747	10.841	VV	1493	56227	1.08%	0.063%
149	10.848	10.841	10.865	VV	775	10516	0.20%	0.012%
150	10.901	10.865	10.999	VV	1484	57802	1.11%	0.065%
151	11.028	10.999	11.064	VV	1872	38572	0.74%	0.043%
152	11.099	11.064	11.158	VV	383763	4475624	86.26%	5.020%
153	11.187	11.158	11.238	VV	2751	63276	1.22%	0.071%
154	11.249	11.238	11.276	VV	624	12840	0.25%	0.014%
155	11.405	11.276	11.431	VV	751	55735	1.07%	0.063%
156	11.481	11.431	11.521	VV	1032	38626	0.74%	0.043%
157	11.554	11.521	11.593	VV	783	29168	0.56%	0.033%
158	11.607	11.593	11.631	VV	566	11589	0.22%	0.013%
159	11.659	11.631	11.677	VV	625	15526	0.30%	0.017%
160	11.692	11.677	11.711	VV	675	12053	0.23%	0.014%
161	11.742	11.711	11.826	VV	1278	55730	1.07%	0.063%
162	11.845	11.826	11.881	VV	617	19145	0.37%	0.021%
163	11.904	11.881	11.937	VV	725	20550	0.40%	0.023%
164	11.970	11.937	12.018	VV	1047	37910	0.73%	0.043%
165	12.037	12.018	12.061	VV	885	18589	0.36%	0.021%
166	12.078	12.061	12.114	VV	1005	22914	0.44%	0.026%
167	12.129	12.114	12.154	VV	810	15482	0.30%	0.017%
168	12.167	12.154	12.177	VV	545	6861	0.13%	0.008%
169	12.229	12.177	12.249	VV	1652	39601	0.76%	0.044%
170	12.265	12.249	12.311	VV	1456	27760	0.54%	0.031%
171	12.343	12.311	12.367	VV	1412	25914	0.50%	0.029%
172	12.406	12.367	12.451	VV	376845	4513123	86.98%	5.062%
173	12.465	12.451	12.511	VV	808	20678	0.40%	0.023%
174	12.517	12.511	12.617	VV	504	19396	0.37%	0.022%
175	12.628	12.617	12.635	VV	263	2331	0.04%	0.003%
176	12.672	12.635	12.684	VV	395	8700	0.17%	0.010%
177	12.687	12.684	12.734	VV	399	8577	0.17%	0.010%
178	12.760	12.734	12.784	VV	473	10692	0.21%	0.012%
179	12.847	12.784	12.941	VV	371183	4504023	86.81%	5.052%
180	12.956	12.941	12.976	VV	545	9540	0.18%	0.011%
181	13.015	12.976	13.105	VV	355545	4309149	83.05%	4.833%
182	13.125	13.105	13.171	VV	396	13079	0.25%	0.015%
183	13.208	13.171	13.216	VV	373	8060	0.16%	0.009%
184	13.230	13.216	13.254	VV	433	8405	0.16%	0.009%
185	13.302	13.254	13.336	VV	403	15947	0.31%	0.018%
186	13.353	13.336	13.374	VV	459	6758	0.13%	0.008%
187	13.392	13.374	13.414	VV	549	7979	0.15%	0.009%
188	13.441	13.414	13.487	VV	837	17297	0.33%	0.019%
189	13.545	13.487	13.563	VV	994	20613	0.40%	0.023%
190	13.600	13.563	13.765	VV	341711	4265090	82.20%	4.784%
191	13.789	13.765	13.801	VV	173	2786	0.05%	0.003%
192	13.836	13.801	13.930	VV	230	9481	0.18%	0.011%
193	13.945	13.930	13.954	VV	151	1300	0.03%	0.001%
194	13.967	13.954	14.004	VV	156	3246	0.06%	0.004%

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					rteres			
195	14.032	14.004	14.088	VV	1066	18872	0.36%	0.021%
196	14.097	14.088	14.108	VV	172	1854		
197	14.119	14.108	14.146	VV	183	2838		
198	14.158	14.146	14.190	VV	330	4346		
199	14.210	14.190	14.221	VV	171	1723		
200	14.299	14.221	14.334	VV	239	10375		
201	14.354	14.334	14.401	VV	197	5419	0.10%	0.006%
202	14.416	14.401	14.454	VV	185	4897	0.09%	0.005%
203	14.476	14.454	14.495	VV	420	6900	0.13%	0.008%
204	14.505	14.495	14.531	VV	307	4533	0.09%	0.005%
205	14.553	14.531	14.598	VV	264	5809	0.11%	0.007%
206	14.607	14.598	14.617	VV	167	1461	0.03%	0.002%
207	14.655	14.617	14.663	VV	845	11172	0.22%	0.013%
208	14.701	14.663	14.806	VV	323310	4161662	80.21%	4.668%
209	14.811	14.806	14.829	VV	184	1907	0.04%	0.002%
210	14.838	14.829	14.854	VV	191	2001	0.04%	0.002%
211	14.868	14.854	14.879	VV	285	2525	0.05%	0.003%
212	14.884	14.879	14.914	VV	164	2242	0.04%	0.003%
213	14.944	14.914	14.984	VV	180	4178	0.08%	0.005%
214	14.993	14.984	15.044	VV	152	3272	0.06%	0.004%
215	15.077	15.044	15.088	VV	102	1674	0.03%	0.002%
216	15.138	15.088	15.164	PV	172	5939	0.11%	0.007%
217	15.179	15.164	15.194	VV	155	1953	0.04%	0.002%
218	15.220	15.194	15.250	VV	747	11835	0.23%	0.013%
219	15.267	15.250	15.304	VV	195	2581	0.05%	0.003%
220	15.361	15.304	15.387	VV	116	3589	0.07%	0.004%
221	15.397	15.387	15.406	VV	193	1220	0.02%	0.001%
222	15.413	15.406	15.421	VV	118	625	0.01%	0.001%
223	15.434	15.421	15.454	VV	115	1369	0.03%	0.002%
224	15.532	15.454	15.548	VV	178	4094	0.08%	0.005%
225	15.568	15.548	15.618	VV	181	4087	0.08%	0.005%
226	15.625	15.618	15.634	VV	71	536	0.01%	0.001%
227	15.720	15.634	15.815	VV	306935	4070101	78.45%	4.565%
228	15.827	15.815	15.867	VV	136	1984	0.04%	0.002%
229	15.889	15.867	15.918	VV	155	2502	0.05%	0.003%
230	15.934	15.918	16.014	VV	232	2883	0.06%	0.003%
231	16.036	16.014	16.044	PV	115	1327	0.03%	0.001%
232	16.075	16.044	16.088	VV	149	2545	0.05%	0.003%
233	16.108	16.088	16.124	VV	152	2106	0.04%	0.002%
234	16.201	16.124	16.261	VV	1174	24009	0.46%	0.027%
235	16.266	16.261	16.296	VV	197	3027	0.06%	0.003%
236	16.318	16.296	16.327	PV	97	1348	0.03%	0.002%
237	16.369	16.327	16.397	VV	219	6229	0.12%	0.007%
238	16.412	16.397	16.422	VV	246	2768	0.05%	0.003%
239	16.430	16.422	16.445	VV	169	2222	0.04%	0.002%
240	16.504	16.445	16.520	VV	146	4983	0.10%	0.006%
241	16.551	16.520	16.565	VV	311	4906	0.09%	0.006%
242	16.583	16.565	16.597	VV	242	3425	0.07%	0.004%
243	16.668	16.597	16.738	VV	297476	3994005	76.98%	4.480%
244	16.749	16.738	16.764	VV	246	3190	0.06%	0.004%
245	16.773	16.764	16.792	VV	187	2210	0.04%	0.002%
246	16.812	16.792	16.822	VV	121	1523	0.03%	0.002%

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

247	16.881	16.822	16.903	VV	167	3900	0.08%	0.004%
248	17.079	16.903	17.091	PV	145	5951		
249	17.117	17.091	17.194	VV	1603	25508		
250	17.221	17.194	17.248	VV	115	1519		
251	17.262	17.248	17.287	PV	96	1357		
252	17.309	17.287	17.320	VV	103	1033		
253	17.350	17.320	17.384	PV	130	2759	0.05%	0.003%
254	17.443	17.384	17.492	VV	3183	46223	0.89%	0.052%
255	17.555	17.492	17.614	VV	282069	4022912	77.54%	4.512%
256	17.637	17.614	17.661	VV	263	5416	0.10%	0.006%
257	17.678	17.661	17.722	VV	212	5419	0.10%	0.006%
258	17.730	17.722	17.752	VV	69	1058	0.02%	0.001%
259	17.830	17.752	17.910	PV	205	6209	0.12%	0.007%
260	17.974	17.910	18.018	PV	2483	38432	0.74%	0.043%
261	18.038	18.018	18.080	VV	221	4229	0.08%	0.005%
262	18.105	18.080	18.133	VV	82	2097	0.04%	0.002%
263	18.243	18.133	18.281	PV	171	9809	0.19%	0.011%
264	18.284	18.281	18.294	VV	178	731	0.01%	0.001%
265	18.386	18.294	18.455	VV	293382	3984748	76.80%	4.469%
266	18.461	18.455	18.488	VV	252	3890	0.07%	0.004%
267	18.524	18.488	18.559	VV	196	5330	0.10%	0.006%
268	18.631	18.559	18.666	PV	135	3885	0.07%	0.004%
269	18.679	18.666	18.701	VV	135	1364	0.03%	0.002%
270	18.780	18.701	18.819	VV	2258	35290	0.68%	0.040%
271	18.889	18.819	18.901	VV	54	2016	0.04%	0.002%
272	18.960	18.901	18.983	PV	310	6601	0.13%	0.007%
273	19.082	18.983	19.092	VV	310	14209	0.27%	0.016%
274	19.168	19.092	19.231	VV	280054	3986758	76.84%	4.471%
275	19.328	19.231	19.340	VV	912	43713	0.84%	0.049%
276	19.468	19.340	19.508	VV	4449	250918	4.84%	0.281%
277	19.540	19.508	19.630	VV	4147	191252	3.69%	0.215%
278	19.805	19.630	19.833	VV	2136	171598	3.31%	0.192%
279	19.907	19.833	19.954	VV	264730	4092213	78.87%	4.590%
280	19.976	19.954	19.983	VV	2723	47105	0.91%	0.053%
281	20.258	19.983	20.284	VV	4942	609525	11.75%	0.684%
282	20.436	20.284	20.458	VV	5394	496613	9.57%	0.557%
283	20.618	20.458	20.702	VV	263569	5011162	96.58%	5.620%
284	20.754	20.702	20.779	VV	5162	239349	4.61%	0.268%
285	20.857	20.779	20.888	VV	4894	316886	6.11%	0.355%
286	20.929	20.888	20.982	VV	4727	257139	4.96%	0.288%
287	21.018	20.982	21.051	VV	4768	183787	3.54%	0.206%
288	21.062	21.051	21.082	VV	4013	74731	1.44%	0.084%
289	21.125	21.082	21.138	VV	3885	127538	2.46%	0.143%
290	21.145	21.138	21.164	VV	3823	59786	1.15%	0.067%
291	21.174	21.164	21.181	VV	3706	37685	0.73%	0.042%
292	21.211	21.181	21.235	VV	3686	116810	2.25%	0.131%
293	21.241	21.235	21.270	VV	3556	72891	1.40%	0.082%
294	21.325	21.270	21.361	VV	3300	176774	3.41%	0.198%
295	21.377	21.361	21.393	VV	3073	59297	1.14%	0.067%
296	21.477	21.393	21.592	VV	207197	5188438	100.00%	5.819%
297	21.605	21.592	21.636	VV	2772	70565	1.36%	0.079%
298	21.675	21.636	21.701	VV	2547	96338	1.86%	0.108%
299	21.725	21.701	21.735	VV	2426	47823	0.92%	0.054%

Instrument :
FID_C
ClientSampleId :
EX-11-TPH-5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025

rteres

300	21.743	21.735	21.766	VV	2339	43501	0.84%	0.049%
301	21.784	21.766	21.920	VV	2231	174849		
302	21.932	21.920	21.948	VV	1660	25996		
303	21.994	21.948	22.034	VV	1568	75386		
304	22.041	22.034	22.101	VV	1267	43802		
305	22.110	22.101	22.128	VV	953	13918		
306	22.154	22.128	22.188	VV	910	29339	0.57%	0.033%
307	22.201	22.188	22.210	VV	690	8579	0.17%	0.010%
308	22.250	22.210	22.344	VV	693	37510	0.72%	0.042%
309	22.353	22.344	22.362	VV	132	1175	0.02%	0.001%
310	22.372	22.362	22.381	VV	67	526	0.01%	0.001%

Sum of corrected areas: 89160147

Aliphatic EPH 012425.M Fri Feb 07 23:08:35 2025

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	EX-11-TPH-5MSD	SDG No.:	Q1308
Lab Sample ID:	Q1308-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049058.D	1	02/06/25	02/07/25	PB166603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.11		0.35	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.43		0.40	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.5		1.12	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.5		2.34	3.12	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.3		40 - 140	103%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.8		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	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:	Q1308-04MSD	Acq On:	07 Feb 2025 14:56
Client Sample ID:	EX-11-TPH-5MSD	Operator:	YP/AJ
Data file:	FD049058.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	10181909	65.592	200	ug/ml
Aromatic C12-C16	5.795	8.398	19624950	120.983	300	ug/ml
Aromatic C16-C21	8.399	12.662	36725199	237.476	500	ug/ml
Aromatic C21-C36	12.663	18.072	53930568	378.452	800	ug/ml
Aromatic EPH	4.076	18.072	120462626	802.504		ug/ml
2-Bromonaphthalene (SURR)	7.354	7.354	7298949	51.28		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	4233208	49.75		ug/ml
ortho-Terphenyl (SURR)	11.237	11.237	5321700	32.36		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049058.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:56
Operator : YP/AJ
Sample : Q1308-04MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5MSD

Integration File: autoint1.e
Quant Time: Feb 07 23:59:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 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...	7.354	7298949	51.285 ug/ml
Spiked Amount	50.000		Recovery =	102.57%
6) S	2-Flurobiphenyl (SURR)	8.203	4233208	49.751 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	99.50%
11) S	ortho-Terphenyl (SURR)	11.237	5321700	32.360 ug/ml
Spiked Amount	50.000		Recovery =	64.72%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.176	4155174	26.956 ug/ml
2) T	Naphthalene (C11.7)	5.693	4952790	31.685 ug/ml
3) T	2-Methylnaphthalene (...	6.740	5009545	32.293 ug/ml
5) T	Acenaphthylene (C15.06)	8.005	5950921	36.388 ug/ml
7) T	Acenaphthene (C15.5)	8.300	6234009	37.115 ug/ml
8) T	Flouorene (C16.55)	9.079	6289638	40.207 ug/ml
9) T	Phenanthrene (C19.36)	10.466	6213232	40.796 ug/ml
10) T	Anthracene (C19.43)	10.542	6235614	40.936 ug/ml
12) T	Fluoranthene (C21.85)	12.270	6303954	40.077 ug/ml
13) T	Pyrene (C20.8)	12.563	6148379	39.029 ug/ml
14) T	Benzo[a]anthracene (C...	14.434	5854766	45.499 ug/ml
15) T	Chrysene (C27.41)	14.477	5855949	34.631 ug/ml
16) T	benzo[b]fluoranthene ...	15.983	5828104	42.655 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.017	5902422	36.444 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.359	5682708	40.830 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.727	5594393	53.642 ug/ml
20) T	Dibenz[a,h]anthracene...	17.763	5849466	40.975 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.978	5619561	39.397 ug/ml

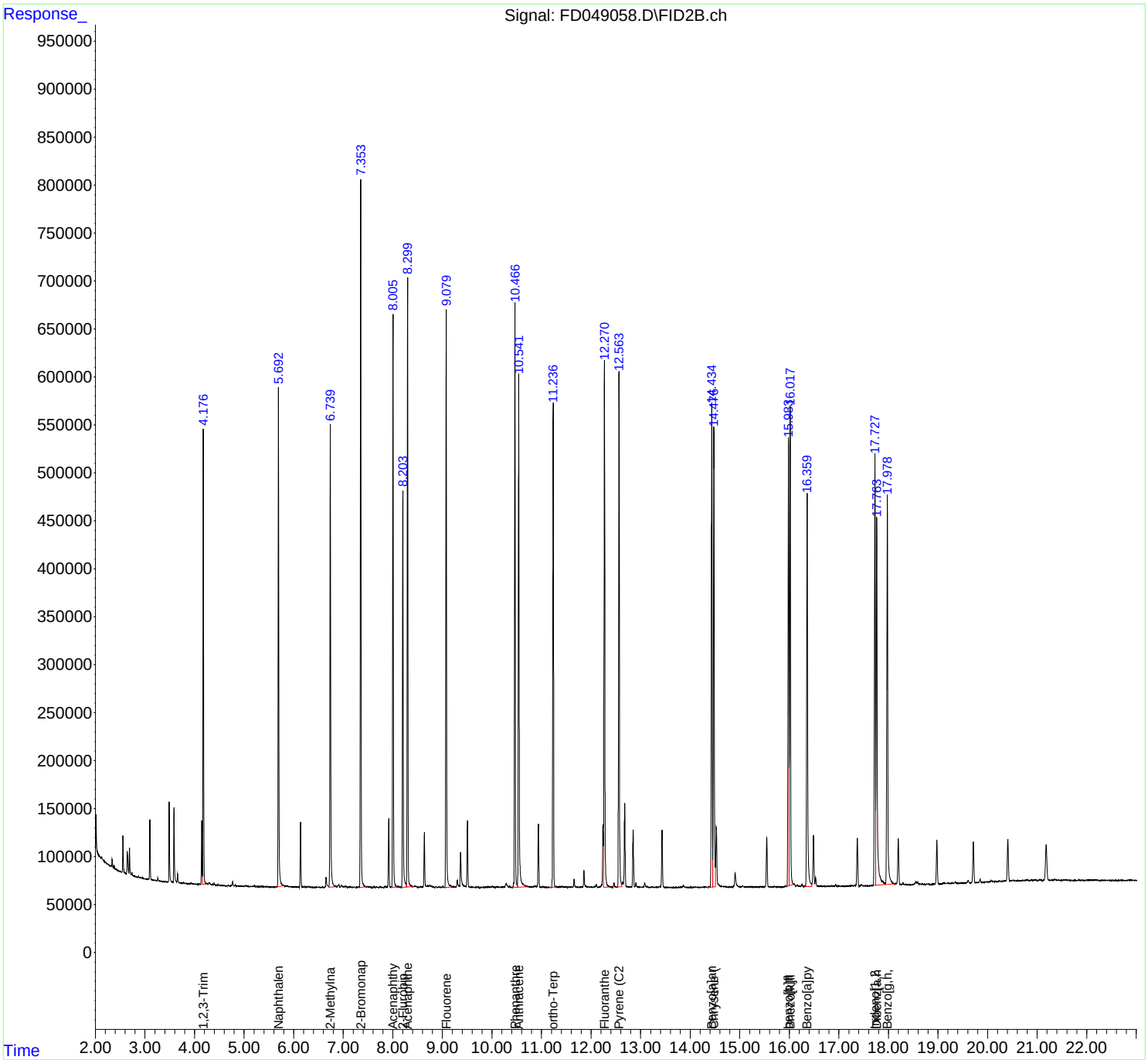
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049058.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:56
Operator : YP/AJ
Sample : Q1308-04MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-5MSD

Integration File: autoint1.e
Quant Time: Feb 07 23:59:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020725AR\
Data File : FD049058.D
Signal(s) : FID2B.ch
Acq On : 07 Feb 2025 14:56
Sample : Q1308-04MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.104	4.091	4.125	VV	434	5281	0.07%	0.004%
2	4.146	4.125	4.159	VV	66864	585897	7.98%	0.424%
3	4.176	4.159	4.237	VV	474435	4184175	57.02%	3.029%
4	4.249	4.237	4.274	VV	1530	24672	0.34%	0.018%
5	4.289	4.274	4.299	VV	2187	21788	0.30%	0.016%
6	4.310	4.299	4.355	VV	2214	34246	0.47%	0.025%
7	4.366	4.355	4.380	VV	1297	12570	0.17%	0.009%
8	4.396	4.380	4.454	VV	2231	31587	0.43%	0.023%
9	4.475	4.454	4.499	VV	837	11265	0.15%	0.008%
10	4.507	4.499	4.518	VV	377	2941	0.04%	0.002%
11	4.524	4.518	4.536	VV	284	2321	0.03%	0.002%
12	4.542	4.536	4.550	VV	295	1313	0.02%	0.001%
13	4.553	4.550	4.564	VV	251	1032	0.01%	0.001%
14	4.582	4.564	4.604	VV	546	6268	0.09%	0.005%
15	4.609	4.604	4.647	PV	205	2774	0.04%	0.002%
16	4.660	4.647	4.674	PV	259	2780	0.04%	0.002%
17	4.679	4.674	4.727	VV	392	7533	0.10%	0.005%
18	4.768	4.727	4.807	VV	4393	61012	0.83%	0.044%
19	4.825	4.807	4.851	VV	1412	14829	0.20%	0.011%
20	4.858	4.851	4.869	VV	409	3206	0.04%	0.002%
21	4.875	4.869	4.892	VV	425	3875	0.05%	0.003%
22	4.914	4.908	4.929	VV	219	1913	0.03%	0.001%
23	4.933	4.929	4.941	VV	253	1210	0.02%	0.001%
24	4.958	4.941	4.977	VV	337	4532	0.06%	0.003%
25	5.022	5.005	5.069	VV	891	21202	0.29%	0.015%
26	5.073	5.069	5.106	VV	361	4097	0.06%	0.003%
27	5.110	5.106	5.124	VV	236	1579	0.02%	0.001%
28	5.132	5.124	5.142	VV	339	1842	0.03%	0.001%
29	5.147	5.142	5.155	VV	226	1351	0.02%	0.001%
30	5.171	5.155	5.194	VV	748	9735	0.13%	0.007%
31	5.209	5.194	5.229	VV	1381	15110	0.21%	0.011%
32	5.248	5.240	5.255	VV	196	1235	0.02%	0.001%
33	5.268	5.255	5.287	VV	479	5934	0.08%	0.004%
34	5.294	5.287	5.302	VV	483	2348	0.03%	0.002%
35	5.307	5.302	5.312	VV	313	1672	0.02%	0.001%
36	5.318	5.312	5.327	VV	341	2591	0.04%	0.002%

rteres

37	5.331	5.327	5.344	VV	338	2949	0.04%	0.002%
38	5.351	5.344	5.409	VV	479	10935	0.15%	0.008%
39	5.419	5.409	5.436	VV	385	4862	0.07%	0.004%
40	5.455	5.436	5.482	VV	748	9275	0.13%	0.007%
41	5.499	5.482	5.509	VV	345	4273	0.06%	0.003%
42	5.513	5.509	5.530	VV	439	2748	0.04%	0.002%
43	5.540	5.530	5.545	VV	269	1651	0.02%	0.001%
44	5.550	5.545	5.556	VV	303	1514	0.02%	0.001%
45	5.560	5.556	5.572	VV	212	1756	0.02%	0.001%
46	5.584	5.572	5.600	VV	397	2614	0.04%	0.002%
47	5.620	5.600	5.626	PV	423	2951	0.04%	0.002%
48	5.651	5.633	5.656	VV	464	4088	0.06%	0.003%
49	5.662	5.656	5.668	VV	417	2444	0.03%	0.002%
50	5.693	5.668	5.792	VV	519747	5032133	68.57%	3.643%
51	5.804	5.792	5.856	VV	1866	50104	0.68%	0.036%
52	5.873	5.856	5.900	VV	1708	30809	0.42%	0.022%
53	5.930	5.900	5.951	VV	947	22259	0.30%	0.016%
54	5.957	5.951	5.964	VV	613	4108	0.06%	0.003%
55	5.967	5.964	5.973	VV	567	2726	0.04%	0.002%
56	5.978	5.973	5.999	VV	579	6822	0.09%	0.005%
57	6.014	5.999	6.024	VV	611	6295	0.09%	0.005%
58	6.029	6.024	6.051	VV	560	6378	0.09%	0.005%
59	6.055	6.051	6.067	VV	412	3161	0.04%	0.002%
60	6.073	6.067	6.090	VV	399	4163	0.06%	0.003%
61	6.097	6.090	6.104	VV	367	2420	0.03%	0.002%
62	6.109	6.104	6.115	VV	343	2137	0.03%	0.002%
63	6.139	6.115	6.189	VV	68080	689761	9.40%	0.499%
64	6.196	6.189	6.200	VV	421	2433	0.03%	0.002%
65	6.222	6.200	6.242	VV	975	14120	0.19%	0.010%
66	6.258	6.242	6.266	VV	624	6260	0.09%	0.005%
67	6.270	6.266	6.274	VV	421	1796	0.02%	0.001%
68	6.288	6.274	6.304	VV	1276	14735	0.20%	0.011%
69	6.309	6.304	6.319	VV	424	3463	0.05%	0.003%
70	6.324	6.319	6.332	VV	369	2305	0.03%	0.002%
71	6.337	6.332	6.343	VV	309	1207	0.02%	0.001%
72	6.360	6.343	6.378	VV	750	8263	0.11%	0.006%
73	6.384	6.378	6.432	VV	300	5137	0.07%	0.004%
74	6.461	6.432	6.483	VV	543	8749	0.12%	0.006%
75	6.506	6.483	6.534	VV	644	11161	0.15%	0.008%
76	6.539	6.534	6.557	VV	384	2385	0.03%	0.002%
77	6.578	6.557	6.590	PV	781	8884	0.12%	0.006%
78	6.654	6.590	6.710	VV	10869	172397	2.35%	0.125%
79	6.740	6.710	6.825	VV	482779	5031441	68.56%	3.643%
80	6.832	6.825	6.872	VV	1913	37750	0.51%	0.027%
81	6.894	6.872	6.899	VV	1956	24626	0.34%	0.018%
82	6.914	6.899	6.935	VV	3579	45457	0.62%	0.033%
83	6.974	6.935	7.007	VV	2206	58845	0.80%	0.043%
84	7.023	7.007	7.039	VV	1557	22819	0.31%	0.017%
85	7.054	7.039	7.090	VV	1363	24479	0.33%	0.018%
86	7.111	7.090	7.132	VV	827	14917	0.20%	0.011%
87	7.142	7.132	7.173	VV	761	11297	0.15%	0.008%
88	7.185	7.173	7.201	VV	356	4616	0.06%	0.003%
89	7.222	7.201	7.244	VV	949	12870	0.18%	0.009%

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90	7.269	7.244	7.286	VV	580	7934	0.11%	0.006%
91	7.315	7.286	7.327	VV	1176	14950	0.20%	0.011%
92	7.354	7.327	7.454	VV	738430	7338351	100.00%	5.313%
93	7.456	7.454	7.465	VV	979	6049	0.08%	0.004%
94	7.475	7.465	7.554	VV	1055	35895	0.49%	0.026%
95	7.564	7.554	7.584	VV	498	6430	0.09%	0.005%
96	7.598	7.584	7.602	VV	361	3044	0.04%	0.002%
97	7.620	7.602	7.640	VV	1025	14467	0.20%	0.010%
98	7.646	7.640	7.661	VV	517	4030	0.05%	0.003%
99	7.673	7.661	7.691	VV	683	7237	0.10%	0.005%
100	7.701	7.691	7.718	VV	366	3599	0.05%	0.003%
101	7.742	7.718	7.765	VV	1048	15592	0.21%	0.011%
102	7.768	7.765	7.784	VV	385	3186	0.04%	0.002%
103	7.790	7.784	7.813	VV	275	2591	0.04%	0.002%
104	7.842	7.813	7.857	PV	1423	20844	0.28%	0.015%
105	7.871	7.857	7.894	VV	935	15121	0.21%	0.011%
106	7.919	7.894	7.960	VV	72448	742245	10.11%	0.537%
107	8.005	7.960	8.099	VV	598563	5991593	81.65%	4.338%
108	8.110	8.099	8.137	VV	1299	21472	0.29%	0.016%
109	8.146	8.137	8.176	VV	790	12519	0.17%	0.009%
110	8.203	8.176	8.273	VV	414199	4256717	58.01%	3.082%
111	8.300	8.273	8.421	VV	634955	6312597	86.02%	4.570%
112	8.428	8.421	8.434	VV	1333	9718	0.13%	0.007%
113	8.454	8.434	8.500	VV	1957	44586	0.61%	0.032%
114	8.515	8.500	8.538	VV	919	13807	0.19%	0.010%
115	8.566	8.538	8.590	VV	1293	25045	0.34%	0.018%
116	8.592	8.590	8.603	VV	816	5114	0.07%	0.004%
117	8.638	8.603	8.682	VV	57817	621965	8.48%	0.450%
118	8.689	8.682	8.699	VV	1531	14022	0.19%	0.010%
119	8.710	8.699	8.723	VV	1688	21345	0.29%	0.015%
120	8.747	8.723	8.780	VV	2623	59583	0.81%	0.043%
121	8.785	8.780	8.854	VV	1502	32059	0.44%	0.023%
122	8.874	8.854	8.900	VV	1293	17002	0.23%	0.012%
123	8.919	8.900	8.937	VV	684	11110	0.15%	0.008%
124	8.942	8.937	8.977	VV	605	9971	0.14%	0.007%
125	9.007	8.977	9.030	VV	1124	21679	0.30%	0.016%
126	9.035	9.030	9.049	VV	415	3142	0.04%	0.002%
127	9.079	9.049	9.219	PV	602974	6341344	86.41%	4.591%
128	9.238	9.219	9.268	VV	1111	23368	0.32%	0.017%
129	9.301	9.268	9.327	VV	7713	118810	1.62%	0.086%
130	9.338	9.327	9.350	VV	2138	24934	0.34%	0.018%
131	9.368	9.350	9.444	VV	36907	553051	7.54%	0.400%
132	9.448	9.444	9.482	VV	1618	28190	0.38%	0.020%
133	9.507	9.482	9.564	VV	70059	768078	10.47%	0.556%
134	9.579	9.564	9.589	VV	719	8449	0.12%	0.006%
135	9.599	9.589	9.635	VV	645	13951	0.19%	0.010%
136	9.639	9.635	9.646	VV	482	2680	0.04%	0.002%
137	9.651	9.646	9.667	VV	541	4814	0.07%	0.003%
138	9.679	9.667	9.697	VV	572	7287	0.10%	0.005%
139	9.720	9.697	9.749	VV	638	10355	0.14%	0.007%
140	9.751	9.749	9.764	VV	314	1506	0.02%	0.001%
141	9.769	9.764	9.775	VV	225	1208	0.02%	0.001%

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142	9.780	9.775	9.792	VV	228	1779	0.02%	0.001%
143	9.808	9.792	9.814	VV	416	4117	0.06%	0.003%
144	9.830	9.814	9.835	VV	572	6280	0.09%	0.005%
145	9.839	9.835	9.857	VV	567	4978	0.07%	0.004%
146	9.896	9.857	9.925	VV	895	20539	0.28%	0.015%
147	9.937	9.925	9.948	VV	752	8109	0.11%	0.006%
148	9.954	9.948	9.962	VV	712	5629	0.08%	0.004%
149	9.967	9.962	9.974	VV	650	4272	0.06%	0.003%
150	9.977	9.974	9.993	VV	557	5927	0.08%	0.004%
151	10.009	9.993	10.064	VV	1597	29246	0.40%	0.021%
152	10.081	10.064	10.087	VV	687	5629	0.08%	0.004%
153	10.091	10.087	10.106	VV	793	7963	0.11%	0.006%
154	10.133	10.106	10.138	VV	946	13452	0.18%	0.010%
155	10.140	10.138	10.153	VV	782	4869	0.07%	0.004%
156	10.176	10.153	10.199	VV	740	14990	0.20%	0.011%
157	10.209	10.199	10.214	VV	694	5264	0.07%	0.004%
158	10.218	10.214	10.228	VV	704	5241	0.07%	0.004%
159	10.241	10.228	10.259	VV	953	14896	0.20%	0.011%
160	10.290	10.259	10.341	VV	4491	108065	1.47%	0.078%
161	10.364	10.341	10.389	VV	1347	22753	0.31%	0.016%
162	10.416	10.389	10.422	VV	572	6773	0.09%	0.005%
163	10.466	10.422	10.515	VV	612769	6228631	84.88%	4.509%
164	10.542	10.515	10.681	VV	536225	6283704	85.63%	4.549%
165	10.690	10.681	10.729	VV	1658	36627	0.50%	0.027%
166	10.738	10.729	10.775	VV	1196	25635	0.35%	0.019%
167	10.784	10.775	10.807	VV	792	13778	0.19%	0.010%
168	10.814	10.807	10.832	VV	783	9663	0.13%	0.007%
169	10.871	10.832	10.905	VV	1666	51878	0.71%	0.038%
170	10.939	10.905	10.995	VV	66371	770441	10.50%	0.558%
171	11.027	10.995	11.054	VV	1245	26178	0.36%	0.019%
172	11.056	11.054	11.066	VV	526	2408	0.03%	0.002%
173	11.094	11.066	11.116	VV	626	9982	0.14%	0.007%
174	11.130	11.116	11.135	VV	357	3076	0.04%	0.002%
175	11.143	11.135	11.151	VV	432	3104	0.04%	0.002%
176	11.162	11.151	11.171	VV	560	5071	0.07%	0.004%
177	11.177	11.171	11.194	VV	395	4828	0.07%	0.003%
178	11.199	11.194	11.204	VV	406	1813	0.02%	0.001%
179	11.237	11.204	11.305	VV	505801	5357475	73.01%	3.879%
180	11.309	11.305	11.315	VV	949	4855	0.07%	0.004%
181	11.320	11.315	11.344	VV	1014	12829	0.17%	0.009%
182	11.360	11.344	11.381	VV	969	16750	0.23%	0.012%
183	11.405	11.381	11.439	VV	1387	29331	0.40%	0.021%
184	11.451	11.439	11.472	VV	920	14039	0.19%	0.010%
185	11.480	11.472	11.515	VV	899	17661	0.24%	0.013%
186	11.518	11.515	11.528	VV	528	3285	0.04%	0.002%
187	11.537	11.528	11.542	VV	533	3638	0.05%	0.003%
188	11.549	11.542	11.555	VV	476	3256	0.04%	0.002%
189	11.569	11.555	11.576	VV	633	6223	0.08%	0.005%
190	11.593	11.576	11.614	VV	735	13498	0.18%	0.010%
191	11.658	11.614	11.681	VV	8839	115530	1.57%	0.084%
192	11.692	11.681	11.716	VV	1066	15520	0.21%	0.011%
193	11.736	11.716	11.747	VV	670	8710	0.12%	0.006%
194	11.753	11.747	11.770	VV	497	5515	0.08%	0.004%

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195	11.817	11.770	11.835	VV	1034	26803	0.37%	0.019%
196	11.856	11.835	11.924	VV	17713	241693	3.29%	0.175%
197	11.936	11.924	11.959	VV	925	16033	0.22%	0.012%
198	11.963	11.959	11.972	VV	695	4986	0.07%	0.004%
199	11.975	11.972	11.999	VV	744	8551	0.12%	0.006%
200	12.011	11.999	12.042	VV	753	13650	0.19%	0.010%
201	12.075	12.042	12.086	VV	1409	22850	0.31%	0.017%
202	12.107	12.086	12.133	VV	3425	48238	0.66%	0.035%
203	12.174	12.133	12.194	VV	1221	26785	0.37%	0.019%
204	12.210	12.194	12.217	VV	3336	32868	0.45%	0.024%
205	12.240	12.217	12.249	VV	65874	686597	9.36%	0.497%
206	12.270	12.249	12.396	VV	549412	6353748	86.58%	4.600%
207	12.402	12.396	12.427	VV	851	12117	0.17%	0.009%
208	12.429	12.427	12.432	VV	760	2059	0.03%	0.001%
209	12.436	12.432	12.443	VV	649	3622	0.05%	0.003%
210	12.462	12.443	12.492	VV	5015	69248	0.94%	0.050%
211	12.496	12.492	12.505	VV	714	5015	0.07%	0.004%
212	12.517	12.505	12.532	VV	757	10864	0.15%	0.008%
213	12.563	12.532	12.621	VV	536994	6189509	84.34%	4.481%
214	12.638	12.621	12.652	VV	5594	83562	1.14%	0.060%
215	12.678	12.652	12.719	VV	87756	1057104	14.41%	0.765%
216	12.731	12.719	12.756	VV	1115	20955	0.29%	0.015%
217	12.760	12.756	12.776	VV	721	7890	0.11%	0.006%
218	12.782	12.776	12.803	VV	718	9526	0.13%	0.007%
219	12.810	12.803	12.815	VV	655	4128	0.06%	0.003%
220	12.848	12.815	12.882	VV	60442	729572	9.94%	0.528%
221	12.904	12.882	12.930	VV	5006	68283	0.93%	0.049%
222	12.943	12.930	12.950	VV	880	9127	0.12%	0.007%
223	12.954	12.950	12.960	VV	731	4078	0.06%	0.003%
224	12.962	12.960	12.974	VV	678	4908	0.07%	0.004%
225	12.982	12.974	13.007	VV	618	8918	0.12%	0.006%
226	13.011	13.007	13.033	VV	514	6969	0.09%	0.005%
227	13.044	13.033	13.055	VV	669	7250	0.10%	0.005%
228	13.080	13.055	13.119	VV	5055	82709	1.13%	0.060%
229	13.123	13.119	13.160	VV	1146	19235	0.26%	0.014%
230	13.164	13.160	13.185	VV	410	5872	0.08%	0.004%
231	13.191	13.185	13.200	VV	459	3219	0.04%	0.002%
232	13.214	13.200	13.219	VV	482	4187	0.06%	0.003%
233	13.227	13.219	13.233	VV	773	4505	0.06%	0.003%
234	13.237	13.233	13.247	VV	519	3946	0.05%	0.003%
235	13.252	13.247	13.261	VV	559	3618	0.05%	0.003%
236	13.275	13.261	13.285	VV	515	6220	0.08%	0.005%
237	13.304	13.285	13.330	VV	637	12442	0.17%	0.009%
238	13.338	13.330	13.345	VV	357	3018	0.04%	0.002%
239	13.384	13.345	13.400	VV	1350	26159	0.36%	0.019%
240	13.431	13.400	13.482	VV	60197	728301	9.92%	0.527%
241	13.492	13.482	13.515	VV	487	5508	0.08%	0.004%
242	13.523	13.515	13.545	VV	367	4399	0.06%	0.003%
243	13.548	13.545	13.554	VV	355	1795	0.02%	0.001%
244	13.558	13.554	13.574	VV	372	3375	0.05%	0.002%
245	13.579	13.574	13.590	VV	211	1338	0.02%	0.001%
246	13.601	13.590	13.607	PV	197	1564	0.02%	0.001%

247	13.610	13.607	13.638	VV	201	3006	0.04%	0.002%
248	13.647	13.638	13.664	VV	238	2197	0.03%	0.002%
249	13.669	13.664	13.673	VV	395	1179	0.02%	0.001%
250	13.679	13.673	13.699	VV	338	3498	0.05%	0.003%
251	13.703	13.699	13.749	VV	353	4696	0.06%	0.003%
252	13.769	13.749	13.778	VV	298	3580	0.05%	0.003%
253	13.789	13.778	13.807	VV	379	4828	0.07%	0.003%
254	13.826	13.807	13.842	VV	859	13945	0.19%	0.010%
255	13.866	13.842	13.898	VV	2045	32608	0.44%	0.024%
256	13.905	13.898	13.940	VV	568	7224	0.10%	0.005%
257	13.954	13.940	13.970	VV	293	3782	0.05%	0.003%
258	13.984	13.970	14.006	VV	417	5737	0.08%	0.004%
259	14.011	14.006	14.039	VV	243	3242	0.04%	0.002%
260	14.042	14.039	14.047	VV	319	1296	0.02%	0.001%
261	14.054	14.047	14.067	VV	288	2401	0.03%	0.002%
262	14.083	14.067	14.111	VV	603	11304	0.15%	0.008%
263	14.116	14.111	14.138	VV	455	5244	0.07%	0.004%
264	14.143	14.138	14.161	VV	351	3407	0.05%	0.002%
265	14.166	14.161	14.185	VV	293	3664	0.05%	0.003%
266	14.198	14.185	14.220	VV	406	5619	0.08%	0.004%
267	14.237	14.220	14.260	VV	439	7549	0.10%	0.005%
268	14.266	14.260	14.279	VV	476	3660	0.05%	0.003%
269	14.290	14.279	14.313	VV	468	7265	0.10%	0.005%
270	14.323	14.313	14.332	VV	471	4364	0.06%	0.003%
271	14.337	14.332	14.343	VV	372	2200	0.03%	0.002%
272	14.347	14.343	14.355	VV	317	1937	0.03%	0.001%
273	14.380	14.355	14.394	VV	517	8425	0.11%	0.006%
274	14.434	14.394	14.453	VV	503842	5871745	80.01%	4.251%
275	14.477	14.453	14.507	VV	481079	5876714	80.08%	4.255%
276	14.527	14.507	14.612	VV	62873	982643	13.39%	0.711%
277	14.616	14.612	14.658	VV	1454	29990	0.41%	0.022%
278	14.666	14.658	14.682	VV	857	11017	0.15%	0.008%
279	14.693	14.682	14.718	VV	894	16959	0.23%	0.012%
280	14.722	14.718	14.729	VV	666	3893	0.05%	0.003%
281	14.731	14.729	14.752	VV	582	6624	0.09%	0.005%
282	14.756	14.752	14.780	VV	436	6168	0.08%	0.004%
283	14.800	14.780	14.808	VV	504	5145	0.07%	0.004%
284	14.828	14.808	14.852	VV	641	11264	0.15%	0.008%
285	14.905	14.852	15.025	VV	14936	324425	4.42%	0.235%
286	15.029	15.025	15.035	VV	522	2953	0.04%	0.002%
287	15.057	15.035	15.082	VV	1727	28144	0.38%	0.020%
288	15.087	15.082	15.100	VV	473	4431	0.06%	0.003%
289	15.104	15.100	15.119	VV	501	4224	0.06%	0.003%
290	15.125	15.119	15.165	VV	377	7594	0.10%	0.005%
291	15.172	15.165	15.180	VV	503	3779	0.05%	0.003%
292	15.187	15.180	15.202	VV	431	5248	0.07%	0.004%
293	15.238	15.202	15.264	VV	712	16570	0.23%	0.012%
294	15.268	15.264	15.279	VV	378	3078	0.04%	0.002%
295	15.291	15.279	15.307	VV	432	5290	0.07%	0.004%
296	15.321	15.307	15.334	VV	384	4068	0.06%	0.003%
297	15.353	15.334	15.361	VV	429	5012	0.07%	0.004%
298	15.366	15.361	15.384	VV	374	3837	0.05%	0.003%
299	15.402	15.384	15.410	VV	695	6302	0.09%	0.005%

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300	15.425	15.410	15.464	VV	734	16411	0.22%	0.012%
301	15.508	15.464	15.512	VV	766	12665	0.17%	0.009%
302	15.543	15.512	15.577	VV	52467	687449	9.37%	0.498%
303	15.593	15.577	15.631	VV	626	10827	0.15%	0.008%
304	15.657	15.631	15.665	PV	116	1373	0.02%	0.001%
305	15.698	15.665	15.732	PV	832	15955	0.22%	0.012%
306	15.737	15.732	15.741	VV	302	1140	0.02%	0.001%
307	15.765	15.748	15.771	VV	355	3442	0.05%	0.002%
308	15.777	15.771	15.781	VV	367	1732	0.02%	0.001%
309	15.791	15.781	15.807	VV	438	4459	0.06%	0.003%
310	15.815	15.807	15.845	VV	353	4063	0.06%	0.003%
311	15.855	15.845	15.868	VV	201	1555	0.02%	0.001%
312	15.873	15.868	15.886	VV	183	1295	0.02%	0.001%
313	15.920	15.895	15.947	VV	1333	26934	0.37%	0.019%
314	15.983	15.947	15.998	VV	468445	5871618	80.01%	4.251%
315	16.017	15.998	16.084	VV	502790	6013174	81.94%	4.353%
316	16.097	16.084	16.139	VV	3628	69993	0.95%	0.051%
317	16.161	16.139	16.194	VV	2303	45741	0.62%	0.033%
318	16.215	16.194	16.231	VV	882	17077	0.23%	0.012%
319	16.252	16.231	16.296	VV	2866	49322	0.67%	0.036%
320	16.314	16.296	16.324	VV	558	7703	0.10%	0.006%
321	16.359	16.324	16.454	VV	409830	5706389	77.76%	4.131%
322	16.487	16.454	16.513	VV	53548	768105	10.47%	0.556%
323	16.530	16.513	16.584	VV	9370	143969	1.96%	0.104%
324	16.590	16.584	16.603	VV	520	4926	0.07%	0.004%
325	16.622	16.603	16.630	VV	540	6188	0.08%	0.004%
326	16.637	16.630	16.664	VV	604	7374	0.10%	0.005%
327	16.675	16.664	16.699	VV	438	5720	0.08%	0.004%
328	16.703	16.699	16.710	VV	245	1089	0.01%	0.001%
329	16.751	16.710	16.762	VV	325	5518	0.08%	0.004%
330	16.795	16.762	16.820	VV	441	9369	0.13%	0.007%
331	16.855	16.820	16.903	VV	676	19038	0.26%	0.014%
332	16.934	16.903	16.960	VV	1628	29199	0.40%	0.021%
333	16.967	16.960	17.030	VV	308	10770	0.15%	0.008%
334	17.045	17.030	17.102	VV	460	10695	0.15%	0.008%
335	17.110	17.102	17.121	VV	248	1677	0.02%	0.001%
336	17.187	17.121	17.196	VV	282	7679	0.10%	0.006%
337	17.202	17.196	17.210	VV	233	1482	0.02%	0.001%
338	17.262	17.210	17.287	VV	674	16948	0.23%	0.012%
339	17.371	17.287	17.429	VV	50172	699697	9.53%	0.507%
340	17.457	17.429	17.493	VV	1667	26769	0.36%	0.019%
341	17.517	17.493	17.544	VV	329	6119	0.08%	0.004%
342	17.567	17.544	17.592	VV	259	5384	0.07%	0.004%
343	17.603	17.592	17.618	VV	224	1920	0.03%	0.001%
344	17.727	17.618	17.742	PV	451412	5617071	76.54%	4.067%
345	17.762	17.742	17.938	VV	383417	5948007	81.05%	4.306%
346	17.977	17.938	18.131	VV	405780	5740446	78.23%	4.156%
347	18.149	18.131	18.157	VV	1437	20412	0.28%	0.015%
348	18.198	18.157	18.264	VV	48111	689373	9.39%	0.499%

Sum of corrected areas: 138124960

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Manual Integration Report

Sequence:	FC012425AL	Instrument	FID_c

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

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Manual Integration Report

Sequence:	FC012425AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FC020725AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068224.D	n-Docosane (C22)	yogesh	2/10/2025 8:40:02 AM	Ankita	2/10/2025 8:58:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068224.D	n-Tetracontane (C40)	yogesh	2/10/2025 8:40:02 AM	Ankita	2/10/2025 8:58:51	Peak Integrated by Software
Q1304-02DL	FC068226.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:40:04 AM	Ankita	2/10/2025 8:58:53	Peak Integrated by Software
Q1304-02DL	FC068226.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:40:04 AM	Ankita	2/10/2025 8:58:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068228.D	A~2-methylnaphthalene (C12.89)	yogesh	2/10/2025 8:40:05 AM	Ankita	2/10/2025 8:59:10	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068228.D	n-Docosane (C22)	yogesh	2/10/2025 8:40:05 AM	Ankita	2/10/2025 8:59:10	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068228.D	n-Tetracontane (C40)	yogesh	2/10/2025 8:40:05 AM	Ankita	2/10/2025 8:59:10	Peak Integrated by Software
PB166603BS	FC068230.D	n-Decane (C10)	yogesh	2/10/2025 8:40:06 AM	Ankita	2/10/2025 8:58:55	Peak Integrated by Software
PB166603BS	FC068230.D	n-Eicosane (C20)	yogesh	2/10/2025 8:40:06 AM	Ankita	2/10/2025 8:58:55	Peak Integrated by Software
PB166603BS	FC068230.D	n-Nonane (C9)	yogesh	2/10/2025 8:40:06 AM	Ankita	2/10/2025 8:58:55	Peak Integrated by Software
PB166603BS	FC068230.D	n-Octatriacontane (C38)	yogesh	2/10/2025 8:40:06 AM	Ankita	2/10/2025 8:58:55	Peak Integrated by Software
PB166603BS	FC068230.D	n-Tetracontane (C40)	yogesh	2/10/2025 8:40:06 AM	Ankita	2/10/2025 8:58:55	Peak Integrated by Software
PB166603BSD	FC068231.D	n-Decane (C10)	yogesh	2/10/2025 8:40:08 AM	Ankita	2/10/2025 8:58:57	Peak Integrated by Software

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Sequence:	FC020725AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166603BSD	FC068231.D	n-Eicosane (C20)	yogesh	2/10/2025 8:40:08 AM	Ankita	2/10/2025 8:58:57	Peak Integrated by Software
PB166603BSD	FC068231.D	n-Nonane (C9)	yogesh	2/10/2025 8:40:08 AM	Ankita	2/10/2025 8:58:57	Peak Integrated by Software
PB166603BSD	FC068231.D	n-Tetracontane (C40)	yogesh	2/10/2025 8:40:08 AM	Ankita	2/10/2025 8:58:57	Peak Integrated by Software
PB166603BSD	FC068231.D	n-Tetradecane (C14)	yogesh	2/10/2025 8:40:08 AM	Ankita	2/10/2025 8:58:57	Peak Integrated by Software
Q1308-04MS	FC068234.D	n-Decane (C10)	yogesh	2/10/2025 8:40:10 AM	Ankita	2/10/2025 8:58:58	Peak Integrated by Software
Q1308-04MS	FC068234.D	n-Octatriacontane (C38)	yogesh	2/10/2025 8:40:10 AM	Ankita	2/10/2025 8:58:58	Peak Integrated by Software
Q1308-04MS	FC068234.D	n-Tetracontane (C40)	yogesh	2/10/2025 8:40:10 AM	Ankita	2/10/2025 8:58:58	Peak Integrated by Software
Q1308-04MS	FC068234.D	n-Tetradecane (C14)	yogesh	2/10/2025 8:40:10 AM	Ankita	2/10/2025 8:58:58	Peak Integrated by Software
Q1308-04MSD	FC068235.D	n-Decane (C10)	yogesh	2/10/2025 8:40:11 AM	Ankita	2/10/2025 8:59:00	Peak Integrated by Software
Q1308-04MSD	FC068235.D	n-Octatriacontane (C38)	yogesh	2/10/2025 8:40:11 AM	Ankita	2/10/2025 8:59:00	Peak Integrated by Software
Q1308-04MSD	FC068235.D	n-Tetracontane (C40)	yogesh	2/10/2025 8:40:11 AM	Ankita	2/10/2025 8:59:00	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068240.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:40:12 AM	Ankita	2/10/2025 8:59:01	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068240.D	n-Docosane (C22)	yogesh	2/10/2025 8:40:12 AM	Ankita	2/10/2025 8:59:01	Peak Integrated by Software

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Sequence:	FC020725AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068240.D	n-Hexatriacontane (C36)	yogesh	2/10/2025 8:40:12 AM	Ankita	2/10/2025 8:59:01	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068240.D	n-Octatriacontane (C38)	yogesh	2/10/2025 8:40:12 AM	Ankita	2/10/2025 8:59:01	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068240.D	n-Tetracontane (C40)	yogesh	2/10/2025 8:40:12 AM	Ankita	2/10/2025 8:59:01	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC021025AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068243.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:53:56 AM	Ankita	2/11/2025 9:10:39	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068243.D	n-Hexatriacontane (C36)	yogesh	2/11/2025 7:53:56 AM	Ankita	2/11/2025 9:10:39	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068243.D	n-Octatriacontane (C38)	yogesh	2/11/2025 7:53:56 AM	Ankita	2/11/2025 9:10:39	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068243.D	n-Tetracontane (C40)	yogesh	2/11/2025 7:53:56 AM	Ankita	2/11/2025 9:10:39	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068243.D	ortho-Terphenyl (SURR)	yogesh	2/11/2025 7:53:56 AM	Ankita	2/11/2025 9:10:39	Peak Integrated by Software
Q1308-12DL	FC068244.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:53:58 AM	Ankita	2/11/2025 9:10:40	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068249.D	n-Docosane (C22)	yogesh	2/11/2025 7:54:00 AM	Ankita	2/11/2025 9:10:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068249.D	n-Hexatriacontane (C36)	yogesh	2/11/2025 7:54:00 AM	Ankita	2/11/2025 9:10:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068249.D	n-Octatriacontane (C38)	yogesh	2/11/2025 7:54:00 AM	Ankita	2/11/2025 9:10:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068249.D	n-Tetracontane (C40)	yogesh	2/11/2025 7:54:00 AM	Ankita	2/11/2025 9:10:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD012425AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPM AROMATIC HC	FD048949.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/27/2025 7:59:12 AM	Ankita	1/27/2025 9:08:52	Peak Integrated by Software
5 PPM AROMATIC HC	FD048949.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/27/2025 7:59:12 AM	Ankita	1/27/2025 9:08:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD020725AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1308-04	FD049055.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:40:33 AM	Ankita	2/10/2025 8:59:22	Peak Integrated by Software
Q1308-05	FD049059.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:40:34 AM	Ankita	2/10/2025 8:59:23	Peak Integrated by Software
Q1308-12	FD049060.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:40:36 AM	Ankita	2/10/2025 8:59:25	Peak Integrated by Software
Q1308-12	FD049060.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:40:36 AM	Ankita	2/10/2025 8:59:25	Peak Integrated by Software
Q1308-12	FD049060.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:40:36 AM	Ankita	2/10/2025 8:59:25	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD021025AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FE020325AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM ALIPHATIC HC	FE052204.D	n-Tetracontane (C40)	yogesh	2/4/2025 8:02:35 AM	Ankita	2/4/2025 9:01:06	Peak Integrated by Software
10 PPM ALIPHATIC HC	FE052207.D	n-Octatriacontane (C38)	yogesh	2/4/2025 8:02:36 AM	Ankita	2/4/2025 9:01:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE020725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE052282.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:27:14 AM	Ankita	2/10/2025 8:59:56	Peak Integrated by Software
Q1308-01	FE052284.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:27:16 AM	Ankita	2/10/2025 8:59:58	Peak Integrated by Software
Q1308-03	FE052286.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:27:17 AM	Ankita	2/10/2025 9:00:00	Peak Integrated by Software
Q1308-06	FE052287.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:19 AM	Ankita	2/10/2025 9:00:02	Peak Integrated by Software
Q1308-07	FE052288.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:21 AM	Ankita	2/10/2025 9:00:04	Peak Integrated by Software
Q1308-08	FE052289.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:22 AM	Ankita	2/10/2025 9:00:06	Peak Integrated by Software
Q1308-09	FE052290.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:24 AM	Ankita	2/10/2025 9:00:08	Peak Integrated by Software
Q1308-10	FE052291.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:26 AM	Ankita	2/10/2025 9:00:10	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052294.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:34:04 AM	Ankita	2/10/2025 9:00:13	Peak Integrated by Software
Q1308-01DL	FE052295.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:28 AM	Ankita	2/10/2025 9:00:15	Peak Integrated by Software
Q1308-01DL	FE052296.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:29 AM	Ankita	2/10/2025 9:00:17	Peak Integrated by Software
Q1308-02DL	FE052297.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:31 AM	Ankita	2/10/2025 9:00:19	Peak Integrated by Software
Q1308-03DL	FE052298.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:33 AM	Ankita	2/10/2025 9:00:21	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE020725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1308-03DL2	FE052299.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:34 AM	Ankita	2/10/2025 9:00:23	Peak Integrated by Software
Q1308-06DL	FE052300.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:36 AM	Ankita	2/10/2025 9:00:25	Peak Integrated by Software
Q1308-07DL	FE052302.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:39 AM	Ankita	2/10/2025 9:00:27	Peak Integrated by Software
Q1308-07DL	FE052303.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:40 AM	Ankita	2/10/2025 9:00:30	Peak Integrated by Software
Q1308-08DL	FE052304.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:43 AM	Ankita	2/10/2025 9:00:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052307.D	1-chlorooctadecane (SURR)	yogesh	2/10/2025 8:33:46 AM	Ankita	2/10/2025 9:00:35	Peak Integrated by Software

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Sequence:	FE021025AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE052310.D	n-Docosane (C22)	yogesh	2/11/2025 7:38:26 AM	Ankita	2/11/2025 9:09:07	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052310.D	n-Dodecane (C12)	yogesh	2/11/2025 7:38:26 AM	Ankita	2/11/2025 9:09:07	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052310.D	n-Hexatriacontane (C36)	yogesh	2/11/2025 7:38:26 AM	Ankita	2/11/2025 9:09:07	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052310.D	n-Octacosane (C28)	yogesh	2/11/2025 7:38:26 AM	Ankita	2/11/2025 9:09:07	Peak Integrated by Software
Q1308-09DL	FE052311.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:38:28 AM	Ankita	2/11/2025 9:09:09	Peak Integrated by Software
Q1308-11DL	FE052314.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:38:29 AM	Ankita	2/11/2025 9:09:10	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052316.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:38:31 AM	Ankita	2/11/2025 9:09:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052316.D	n-Docosane (C22)	yogesh	2/11/2025 7:38:31 AM	Ankita	2/11/2025 9:09:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052316.D	n-Dodecane (C12)	yogesh	2/11/2025 7:38:31 AM	Ankita	2/11/2025 9:09:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052316.D	n-Octadecane (C18)	yogesh	2/11/2025 7:38:31 AM	Ankita	2/11/2025 9:09:12	Peak Integrated by Software
PB166637BS	FE052318.D	n-Eicosane (C20)	yogesh	2/11/2025 7:38:33 AM	Ankita	2/11/2025 9:09:13	Peak Integrated by Software
PB166637BS	FE052318.D	n-Hexacosane (C26)	yogesh	2/11/2025 7:38:33 AM	Ankita	2/11/2025 9:09:13	Peak Integrated by Software
PB166637BS	FE052318.D	n-Tetracosane (C24)	yogesh	2/11/2025 7:38:33 AM	Ankita	2/11/2025 9:09:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE021025AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166637BSD	FE052319.D	n-Eicosane (C20)	yogesh	2/11/2025 7:38:35 AM	Ankita	2/11/2025 9:09:15	Peak Integrated by Software
PB166637BSD	FE052319.D	n-Hexacosane (C26)	yogesh	2/11/2025 7:38:35 AM	Ankita	2/11/2025 9:09:15	Peak Integrated by Software
PB166637BSD	FE052319.D	n-Octadecane (C18)	yogesh	2/11/2025 7:38:35 AM	Ankita	2/11/2025 9:09:15	Peak Integrated by Software
Q1340-01MS	FE052322.D	n-Hexacosane (C26)	yogesh	2/11/2025 7:38:37 AM	Ankita	2/11/2025 9:09:16	Peak Integrated by Software
Q1340-01MS	FE052322.D	n-Tetratriacontane (C34)	yogesh	2/11/2025 7:38:37 AM	Ankita	2/11/2025 9:09:16	Peak Integrated by Software
Q1340-01MSD	FE052323.D	n-Eicosane (C20)	yogesh	2/11/2025 7:38:38 AM	Ankita	2/11/2025 9:09:17	Peak Integrated by Software
Q1340-01MSD	FE052323.D	n-Tetracosane (C24)	yogesh	2/11/2025 7:38:38 AM	Ankita	2/11/2025 9:09:17	Peak Integrated by Software
Q1340-01MSD	FE052323.D	n-Tetratriacontane (C34)	yogesh	2/11/2025 7:38:38 AM	Ankita	2/11/2025 9:09:17	Peak Integrated by Software
Q1340-01MSD	FE052323.D	n-Tricontane (C30)	yogesh	2/11/2025 7:38:38 AM	Ankita	2/11/2025 9:09:17	Peak Integrated by Software
Q1340-02	FE052324.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:38:40 AM	Ankita	2/11/2025 9:09:19	Peak Integrated by Software
Q1341-02	FE052326.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:38:42 AM	Ankita	2/11/2025 9:09:20	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052331.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:38:44 AM	Ankita	2/11/2025 9:09:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052342.D	1-chlorooctadecane (SURR)	yogesh	2/11/2025 7:38:45 AM	Ankita	2/11/2025 9:09:23	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE021025AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE052342.D	n-Docosane (C22)	yogesh	2/11/2025 7:38:45 AM	Ankita	2/11/2025 9:09:23	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE052342.D	n-Octadecane (C18)	yogesh	2/11/2025 7:38:45 AM	Ankita	2/11/2025 9:09:23	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF020525AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FF015474.D	Bnezo[k]fluoranthene (C30.14)	yogesh	2/6/2025 8:13:46 AM	Ankita	2/6/2025 11:35:20	Peak Integrated by Software
100 PPM AROMATIC HC	FF015474.D	Dibenz[a,h]anthracene (C30.36)	yogesh	2/6/2025 8:13:46 AM	Ankita	2/6/2025 11:35:20	Peak Integrated by Software
10 PPM AROMATIC HC	FF015477.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/6/2025 8:13:48 AM	Ankita	2/6/2025 11:35:22	Peak Integrated by Software
5 PPM AROMATIC HC	FF015478.D	Benzo[a]anthracene (C26.37)	yogesh	2/6/2025 8:13:50 AM	Ankita	2/6/2025 11:35:24	Peak Integrated by Software
5 PPM AROMATIC HC	FF015478.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/6/2025 8:13:50 AM	Ankita	2/6/2025 11:35:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF020725AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FF015484.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/10/2025 8:07:07 AM	Ankita	2/10/2025 9:02:49	Peak Integrated by Software
Q1308-01	FF015486.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:09 AM	Ankita	2/10/2025 9:02:52	Peak Integrated by Software
Q1308-03	FF015488.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:11 AM	Ankita	2/10/2025 9:03:21	Peak Integrated by Software
Q1308-03	FF015488.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:11 AM	Ankita	2/10/2025 9:03:21	Peak Integrated by Software
Q1308-03	FF015488.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:11 AM	Ankita	2/10/2025 9:03:21	Peak Integrated by Software
Q1308-06	FF015489.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:12 AM	Ankita	2/10/2025 9:03:22	Peak Integrated by Software
Q1308-06	FF015489.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:12 AM	Ankita	2/10/2025 9:03:22	Peak Integrated by Software
Q1308-06	FF015489.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:12 AM	Ankita	2/10/2025 9:03:22	Peak Integrated by Software
Q1308-07	FF015490.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:14 AM	Ankita	2/10/2025 9:03:27	Peak Integrated by Software
Q1308-07	FF015490.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:14 AM	Ankita	2/10/2025 9:03:27	Peak Integrated by Software
Q1308-07	FF015490.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:14 AM	Ankita	2/10/2025 9:03:27	Peak Integrated by Software
Q1308-08	FF015491.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:16 AM	Ankita	2/10/2025 9:03:27	Peak Integrated by Software
Q1308-08	FF015491.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:16 AM	Ankita	2/10/2025 9:03:27	Peak Integrated by Software

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Sequence:	FF020725AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1308-08	FF015491.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:16 AM	Ankita	2/10/2025 9:03:27	Peak Integrated by Software
Q1308-09	FF015492.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:18 AM	Ankita	2/10/2025 9:03:28	Peak Integrated by Software
Q1308-09	FF015492.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:18 AM	Ankita	2/10/2025 9:03:28	Peak Integrated by Software
Q1308-09	FF015492.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:18 AM	Ankita	2/10/2025 9:03:28	Peak Integrated by Software
Q1308-10	FF015493.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:19 AM	Ankita	2/10/2025 9:03:30	Peak Integrated by Software
Q1308-10	FF015493.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:19 AM	Ankita	2/10/2025 9:03:30	Peak Integrated by Software
Q1308-11	FF015494.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:21 AM	Ankita	2/10/2025 9:03:32	Peak Integrated by Software
Q1308-11	FF015494.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:21 AM	Ankita	2/10/2025 9:03:32	Peak Integrated by Software
20 PPM AROMATIC HC	FF015496.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/10/2025 8:07:22 AM	Ankita	2/10/2025 9:03:50	Peak Integrated by Software
Q1308-01DL	FF015497.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:24 AM	Ankita	2/10/2025 9:03:51	Peak Integrated by Software
Q1308-01DL	FF015497.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:24 AM	Ankita	2/10/2025 9:03:51	Peak Integrated by Software
Q1308-01DL	FF015497.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:24 AM	Ankita	2/10/2025 9:03:51	Peak Integrated by Software
Q1308-03DL	FF015499.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:26 AM	Ankita	2/10/2025 9:03:53	Peak Integrated by Software

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Sequence:	FF020725AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1308-03DL	FF015499.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:26 AM	Ankita	2/10/2025 9:03:53	Peak Integrated by Software
Q1308-03DL	FF015499.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:26 AM	Ankita	2/10/2025 9:03:53	Peak Integrated by Software
Q1308-03DL2	FF015500.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:07:27 AM	Ankita	2/10/2025 9:03:55	Peak Integrated by Software
Q1308-03DL2	FF015500.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:07:27 AM	Ankita	2/10/2025 9:03:55	Peak Integrated by Software
Q1308-03DL2	FF015500.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:07:27 AM	Ankita	2/10/2025 9:03:55	Peak Integrated by Software
Q1308-06DL	FF015501.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:26:28 AM	Ankita	2/10/2025 9:03:56	Peak Integrated by Software
Q1308-06DL	FF015501.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:26:28 AM	Ankita	2/10/2025 9:03:56	Peak Integrated by Software
Q1308-06DL	FF015501.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:26:28 AM	Ankita	2/10/2025 9:03:56	Peak Integrated by Software
Q1308-06DL2	FF015502.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:26:30 AM	Ankita	2/10/2025 9:03:57	Peak Integrated by Software
Q1308-06DL2	FF015502.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:26:30 AM	Ankita	2/10/2025 9:03:57	Peak Integrated by Software
Q1308-06DL2	FF015502.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:26:30 AM	Ankita	2/10/2025 9:03:57	Peak Integrated by Software
Q1308-07DL	FF015503.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:26:31 AM	Ankita	2/10/2025 9:03:59	Peak Integrated by Software
Q1308-07DL	FF015503.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:26:31 AM	Ankita	2/10/2025 9:03:59	Peak Integrated by Software

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Sequence:	FF020725AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1308-08DL	FF015504.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:26:32 AM	Ankita	2/10/2025 9:04:01	Peak Integrated by Software
Q1308-08DL	FF015504.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:26:32 AM	Ankita	2/10/2025 9:04:01	Peak Integrated by Software
Q1308-08DL	FF015504.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:26:32 AM	Ankita	2/10/2025 9:04:01	Peak Integrated by Software
Q1308-08DL2	FF015505.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:26:34 AM	Ankita	2/10/2025 9:04:02	Peak Integrated by Software
Q1308-08DL2	FF015505.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:26:34 AM	Ankita	2/10/2025 9:04:02	Peak Integrated by Software
Q1308-08DL2	FF015505.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:26:34 AM	Ankita	2/10/2025 9:04:02	Peak Integrated by Software
Q1308-09DL	FF015506.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:26:35 AM	Ankita	2/10/2025 9:04:03	Peak Integrated by Software
Q1308-09DL	FF015506.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:26:35 AM	Ankita	2/10/2025 9:04:03	Peak Integrated by Software
Q1308-09DL	FF015506.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:26:35 AM	Ankita	2/10/2025 9:04:03	Peak Integrated by Software
Q1308-09DL2	FF015507.D	2-Bromonaphthalene (SURR)	yogesh	2/10/2025 8:26:37 AM	Ankita	2/10/2025 9:04:05	Peak Integrated by Software
Q1308-09DL2	FF015507.D	2-Flurobiphenyl (SURR)	yogesh	2/10/2025 8:26:37 AM	Ankita	2/10/2025 9:04:05	Peak Integrated by Software
Q1308-09DL2	FF015507.D	ortho-Terphenyl (SURR)	yogesh	2/10/2025 8:26:37 AM	Ankita	2/10/2025 9:04:05	Peak Integrated by Software
20 PPM AROMATIC HC	FF015509.D	Benzo[a]anthracene (C26.37)	yogesh	2/10/2025 8:26:39 AM	Ankita	2/10/2025 9:04:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF020725AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FF015509.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/10/2025 8:26:39 AM	Ankita	2/10/2025 9:04:07	Peak Integrated by Software

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Sequence:	FF021025AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1308-10DL	FF015513.D	2-Bromonaphthalene (SURR)	yogesh	2/11/2025 7:54:30 AM	Ankita	2/11/2025 9:09:56	Peak Integrated by Software
Q1308-10DL	FF015513.D	2-Flurobiphenyl (SURR)	yogesh	2/11/2025 7:54:30 AM	Ankita	2/11/2025 9:09:56	Peak Integrated by Software
Q1308-10DL	FF015513.D	ortho-Terphenyl (SURR)	yogesh	2/11/2025 7:54:30 AM	Ankita	2/11/2025 9:09:56	Peak Integrated by Software
Q1308-11DL	FF015514.D	2-Bromonaphthalene (SURR)	yogesh	2/11/2025 7:54:31 AM	Ankita	2/11/2025 9:09:57	Peak Integrated by Software
Q1308-11DL	FF015514.D	2-Flurobiphenyl (SURR)	yogesh	2/11/2025 7:54:31 AM	Ankita	2/11/2025 9:09:57	Peak Integrated by Software
Q1308-11DL	FF015514.D	ortho-Terphenyl (SURR)	yogesh	2/11/2025 7:54:31 AM	Ankita	2/11/2025 9:09:57	Peak Integrated by Software
20 PPM AROMATIC HC	FF015516.D	Dibenz[a,h]anthracene (C30.36)	yogesh	2/11/2025 7:54:33 AM	Ankita	2/11/2025 9:09:59	Peak Integrated by Software
20 PPM AROMATIC HC	FF015516.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/11/2025 7:54:33 AM	Ankita	2/11/2025 9:09:59	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

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

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

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

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

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

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

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

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC020725AL

Review By	yogesh	Review On	2/7/2025 9:28:56 AM		
Supervise By	Ankita	Supervise On	2/10/2025 8:59:14 AM		
SubDirectory	FC020725AL	HP Acquire Method		HP Processing Method	FC012425AL

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068222.D	07 Feb 2025 07:37	YP/AJ	Ok
2	I.BLK	FC068223.D	07 Feb 2025 08:13	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068224.D	07 Feb 2025 08:50	YP/AJ	Ok,M
4	Q1304-01DL	FC068225.D	07 Feb 2025 09:27	YP/AJ	Ok
5	Q1304-02DL	FC068226.D	07 Feb 2025 10:04	YP/AJ	Ok,M
6	I.BLK	FC068227.D	07 Feb 2025 10:41	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC068228.D	07 Feb 2025 11:18	YP/AJ	Ok,M
8	PB166603BL	FC068229.D	07 Feb 2025 11:54	YP/AJ	Ok
9	PB166603BS	FC068230.D	07 Feb 2025 12:32	YP/AJ	Ok,M
10	PB166603BSD	FC068231.D	07 Feb 2025 13:08	YP/AJ	Ok,M
11	Q1308-04	FC068232.D	07 Feb 2025 13:44	YP/AJ	Ok
12	Q1308-04D	FC068233.D	07 Feb 2025 14:20	YP/AJ	Ok
13	Q1308-04MS	FC068234.D	07 Feb 2025 14:56	YP/AJ	Ok,M
14	Q1308-04MSD	FC068235.D	07 Feb 2025 15:33	YP/AJ	Ok,M
15	Q1308-05	FC068236.D	07 Feb 2025 16:09	YP/AJ	Ok
16	Q1308-12	FC068237.D	07 Feb 2025 16:45	YP/AJ	Dilution
17	Q1308-13	FC068238.D	07 Feb 2025 17:21	YP/AJ	Dilution
18	I.BLK	FC068239.D	07 Feb 2025 18:33	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC068240.D	07 Feb 2025 19:09	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC021025AL

Review By	yogesh	Review On	2/10/2025 1:14:35 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:10:46 AM		
SubDirectory	FC021025AL	HP Acquire Method		HP Processing Method	FC012425AL

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068241.D	10 Feb 2025 08:23	YP/AJ	Ok
2	I.BLK	FC068242.D	10 Feb 2025 09:07	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068243.D	10 Feb 2025 10:19	YP/AJ	Ok,M
4	Q1308-12DL	FC068244.D	10 Feb 2025 10:55	YP/AJ	Dilution
5	Q1308-12DL2	FC068245.D	10 Feb 2025 11:32	YP/AJ	Dilution
6	Q1308-12DL3	FC068246.D	10 Feb 2025 12:09	YP/AJ	Ok
7	Q1308-13DL	FC068247.D	10 Feb 2025 12:45	YP/AJ	Ok
8	I.BLK	FC068248.D	10 Feb 2025 13:22	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC068249.D	10 Feb 2025 13:58	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD012425AR

Review By	yogesh	Review On	1/24/2025 12:21:39 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:56 AM		
SubDirectory	FD012425AR	HP Acquire Method		HP Processing Method	FD012425AR

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048943.D	24 Jan 2025 07:37	YP/AJ	Ok
2	I.BLK	FD048944.D	24 Jan 2025 08:12	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048945.D	24 Jan 2025 08:47	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048946.D	24 Jan 2025 09:23	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048947.D	24 Jan 2025 09:58	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048948.D	24 Jan 2025 10:34	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048949.D	24 Jan 2025 11:10	YP/AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FD048950.D	24 Jan 2025 11:46	YP/AJ	Ok
9	I.BLK	FD048951.D	24 Jan 2025 12:23	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048952.D	24 Jan 2025 12:59	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD020725AR

Review By	yogesh	Review On	2/7/2025 9:30:02 AM		
Supervise By	Ankita	Supervise On	2/10/2025 8:59:29 AM		
SubDirectory	FD020725AR	HP Acquire Method		HP Processing Method	FD012425AR

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049049.D	07 Feb 2025 07:37	YP/AJ	Ok
2	I.BLK	FD049050.D	07 Feb 2025 08:13	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049051.D	07 Feb 2025 08:50	YP/AJ	Ok
4	PB166603BL	FD049052.D	07 Feb 2025 11:18	YP/AJ	Ok
5	PB166603BS	FD049053.D	07 Feb 2025 11:54	YP/AJ	Ok
6	PB166603BSD	FD049054.D	07 Feb 2025 12:32	YP/AJ	Ok
7	Q1308-04	FD049055.D	07 Feb 2025 13:08	YP/AJ	Ok,M
8	Q1308-04D	FD049056.D	07 Feb 2025 13:44	YP/AJ	Ok
9	Q1308-04MS	FD049057.D	07 Feb 2025 14:20	YP/AJ	Ok
10	Q1308-04MSD	FD049058.D	07 Feb 2025 14:56	YP/AJ	Ok
11	Q1308-05	FD049059.D	07 Feb 2025 15:33	YP/AJ	Ok,M
12	Q1308-12	FD049060.D	07 Feb 2025 16:09	YP/AJ	Dilution
13	Q1308-13	FD049061.D	07 Feb 2025 16:45	YP/AJ	Ok
14	I.BLK	FD049062.D	07 Feb 2025 17:57	YP/AJ	Ok
15	20 PPM AROMATIC HC STD	FD049063.D	07 Feb 2025 18:33	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD021025AR

Review By	yogesh	Review On	2/10/2025 1:13:36 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:10:31 AM		
SubDirectory	FD021025AR	HP Acquire Method		HP Processing Method	FD012425AR

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049064.D	10 Feb 2025 08:23	YP/AJ	Ok
2	I.BLK	FD049065.D	10 Feb 2025 09:07	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049066.D	10 Feb 2025 09:43	YP/AJ	Ok
4	Q1308-12DL	FD049067.D	10 Feb 2025 10:19	YP/AJ	Ok
5	I.BLK	FD049068.D	10 Feb 2025 10:55	YP/AJ	Ok
6	20 PPM AROMATIC HC STD	FD049069.D	10 Feb 2025 11:32	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE020325AL

Review By	yogesh	Review On	2/3/2025 1:02:17 PM		
Supervise By	Ankita	Supervise On	2/4/2025 9:01:10 AM		
SubDirectory	FE020325AL	HP Acquire Method		HP Processing Method	FE020325AL

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	FE052202.D	03 Feb 2025 09:00	YP\AJ	Ok
2	I.BLK	FE052203.D	03 Feb 2025 11:21	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE052204.D	03 Feb 2025 11:51	YP\AJ	Ok,M
4	50 PPM ALIPHATIC HC STD2	FE052205.D	03 Feb 2025 12:21	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE052206.D	03 Feb 2025 12:51	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE052207.D	03 Feb 2025 13:54	YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC STD5	FE052208.D	03 Feb 2025 14:54	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE052209.D	03 Feb 2025 15:24	YP\AJ	Ok
9	I.BLK	FE052210.D	03 Feb 2025 15:54	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE052211.D	03 Feb 2025 16:24	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE020725AL

Review By	yogesh	Review On	2/7/2025 12:11:11 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:01:01 AM		
SubDirectory	FE020725AL	HP Acquire Method		HP Processing Method	FE020325AL

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	FE052280.D	07 Feb 2025 08:51	YP\AJ	Ok
2	I.BLK	FE052281.D	07 Feb 2025 09:21	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE052282.D	07 Feb 2025 09:51	YP\AJ	Ok,M
4	PB166603BL	FE052283.D	07 Feb 2025 10:56	YP\AJ	Ok
5	Q1308-01	FE052284.D	07 Feb 2025 11:26	YP\AJ	Dilution
6	Q1308-02	FE052285.D	07 Feb 2025 11:56	YP\AJ	Dilution
7	Q1308-03	FE052286.D	07 Feb 2025 12:26	YP\AJ	Dilution
8	Q1308-06	FE052287.D	07 Feb 2025 12:56	YP\AJ	Dilution
9	Q1308-07	FE052288.D	07 Feb 2025 13:27	YP\AJ	Dilution
10	Q1308-08	FE052289.D	07 Feb 2025 13:57	YP\AJ	Dilution
11	Q1308-09	FE052290.D	07 Feb 2025 14:27	YP\AJ	Dilution
12	Q1308-10	FE052291.D	07 Feb 2025 14:57	YP\AJ	Dilution
13	Q1308-11	FE052292.D	07 Feb 2025 15:27	YP\AJ	Dilution
14	I.BLK	FE052293.D	07 Feb 2025 16:26	YP\AJ	Ok
15	20 PPM ALIPHATIC HC STD	FE052294.D	07 Feb 2025 16:56	YP\AJ	Ok,M
16	Q1308-01DL	FE052295.D	07 Feb 2025 18:26	YP\AJ	Not Ok
17	Q1308-01DL	FE052296.D	07 Feb 2025 18:56	YP\AJ	Ok,M
18	Q1308-02DL	FE052297.D	07 Feb 2025 19:27	YP\AJ	Ok,M
19	Q1308-03DL	FE052298.D	07 Feb 2025 19:56	YP\AJ	Dilution
20	Q1308-03DL2	FE052299.D	07 Feb 2025 20:26	YP\AJ	Ok,M
21	Q1308-06DL	FE052300.D	07 Feb 2025 20:56	YP\AJ	Dilution

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Daily Analysis Runlog For Sequence/QCBatch ID # FE020725AL

Review By	yogesh	Review On	2/7/2025 12:11:11 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:01:01 AM		
SubDirectory	FE020725AL	HP Acquire Method		HP Processing Method	FE020325AL

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	Q1308-06DL2	FE052301.D	07 Feb 2025 21:26	YP\AJ	Ok
23	Q1308-07DL	FE052302.D	07 Feb 2025 21:57	YP\AJ	Not Ok
24	Q1308-07DL	FE052303.D	07 Feb 2025 22:27	YP\AJ	Ok,M
25	Q1308-08DL	FE052304.D	07 Feb 2025 22:57	YP\AJ	Dilution
26	Q1308-08DL2	FE052305.D	07 Feb 2025 23:27	YP\AJ	Ok
27	I.BLK	FE052306.D	08 Feb 2025 00:27	YP\AJ	Ok
28	20 PPM ALIPHATIC HC STD	FE052307.D	08 Feb 2025 00:57	YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE021025AL

Review By	yogesh	Review On	2/10/2025 10:38:40 AM		
Supervise By	Ankita	Supervise On	2/11/2025 9:09:36 AM		
SubDirectory	FE021025AL	HP Acquire Method		HP Processing Method	FE020325AL

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	FE052308.D	10 Feb 2025 08:30	YP\AJ	Ok
2	I.BLK	FE052309.D	10 Feb 2025 09:00	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE052310.D	10 Feb 2025 10:00	YP\AJ	Ok,M
4	Q1308-09DL	FE052311.D	10 Feb 2025 10:30	YP\AJ	Dilution
5	Q1308-09DL2	FE052312.D	10 Feb 2025 11:00	YP\AJ	Ok
6	Q1308-10DL	FE052313.D	10 Feb 2025 11:30	YP\AJ	Ok
7	Q1308-11DL	FE052314.D	10 Feb 2025 12:00	YP\AJ	Ok,M
8	I.BLK	FE052315.D	10 Feb 2025 13:00	YP\AJ	Ok
9	20 PPM ALIPHATIC HC STD	FE052316.D	10 Feb 2025 13:30	YP\AJ	Ok,M
10	PB166637BL	FE052317.D	10 Feb 2025 15:27	YP\AJ	Ok
11	PB166637BS	FE052318.D	10 Feb 2025 15:57	YP\AJ	Ok,M
12	PB166637BSD	FE052319.D	10 Feb 2025 16:27	YP\AJ	Ok,M
13	Q1340-01	FE052320.D	10 Feb 2025 16:58	YP\AJ	Ok
14	Q1340-01D	FE052321.D	10 Feb 2025 17:28	YP\AJ	Ok
15	Q1340-01MS	FE052322.D	10 Feb 2025 17:58	YP\AJ	Ok,M
16	Q1340-01MSD	FE052323.D	10 Feb 2025 18:28	YP\AJ	Ok,M
17	Q1340-02	FE052324.D	10 Feb 2025 18:57	YP\AJ	Ok,M
18	Q1341-01	FE052325.D	10 Feb 2025 19:27	YP\AJ	Ok
19	Q1341-02	FE052326.D	10 Feb 2025 19:57	YP\AJ	Ok,M
20	Q1343-01	FE052327.D	10 Feb 2025 20:27	YP\AJ	Ok
21	Q1343-02	FE052328.D	10 Feb 2025 20:57	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE021025AL

Review By	yogesh	Review On	2/10/2025 10:38:40 AM		
Supervise By	Ankita	Supervise On	2/11/2025 9:09:36 AM		
SubDirectory	FE021025AL	HP Acquire Method		HP Processing Method	FE020325AL

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	Q1343-05	FE052329.D	10 Feb 2025 21:26	YP\AJ	Ok
23	I.BLK	FE052330.D	10 Feb 2025 22:27	YP\AJ	Ok
24	20 PPM ALIPHATIC HC STD	FE052331.D	10 Feb 2025 22:56	YP\AJ	Ok,M
25	Q1343-06	FE052332.D	10 Feb 2025 23:56	YP\AJ	Ok
26	Q1343-09	FE052333.D	11 Feb 2025 00:27	YP\AJ	Ok
27	Q1343-10	FE052334.D	11 Feb 2025 00:57	YP\AJ	Ok
28	Q1343-13	FE052335.D	11 Feb 2025 01:27	YP\AJ	Ok
29	Q1343-14	FE052336.D	11 Feb 2025 01:57	YP\AJ	Ok
30	Q1343-17	FE052337.D	11 Feb 2025 03:52	YP\AJ	Ok
31	Q1343-18	FE052338.D	11 Feb 2025 04:22	YP\AJ	Ok
32	Q1344-01	FE052339.D	11 Feb 2025 04:52	YP\AJ	Ok
33	Q1344-03	FE052340.D	11 Feb 2025 05:22	YP\AJ	Ok
34	I.BLK	FE052341.D	11 Feb 2025 06:22	YP\AJ	Ok
35	20 PPM ALIPHATIC HC STD	FE052342.D	11 Feb 2025 06:52	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF020525AR

Review By	yogesh	Review On	2/5/2025 4:32:23 PM		
Supervise By	Ankita	Supervise On	2/6/2025 11:35:27 AM		
SubDirectory	FF020525AR	HP Acquire Method		HP Processing Method	FF020525AR

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015472.D	05 Feb 2025 22:24	YP\AJ	Ok
2	I.BLK	FF015473.D	05 Feb 2025 22:52	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FF015474.D	05 Feb 2025 23:20	YP\AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FF015475.D	05 Feb 2025 23:49	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FF015476.D	06 Feb 2025 00:17	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FF015477.D	06 Feb 2025 00:46	YP\AJ	Ok,M
7	5 PPM AROMATIC HC STD5	FF015478.D	06 Feb 2025 01:14	YP\AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FF015479.D	06 Feb 2025 01:42	YP\AJ	Ok
9	I.BLK	FF015480.D	06 Feb 2025 02:39	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FF015481.D	06 Feb 2025 03:07	YP\AJ	Ok

M : Manual Integration

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Daily Analysis Runlog For Sequence/QCBatch ID # FF020725AR

Review By	yogesh	Review On	2/7/2025 12:14:10 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:04:18 AM		
SubDirectory	FF020725AR	HP Acquire Method		HP Processing Method	FF020525AR

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015482.D	07 Feb 2025 06:27	YP\AJ	Ok
2	I.BLK	FF015483.D	07 Feb 2025 06:55	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF015484.D	07 Feb 2025 10:40	YP\AJ	Ok,M
4	PB166603BL	FF015485.D	07 Feb 2025 11:08	YP\AJ	Ok
5	Q1308-01	FF015486.D	07 Feb 2025 11:37	YP\AJ	Dilution
6	Q1308-02	FF015487.D	07 Feb 2025 12:05	YP\AJ	Dilution
7	Q1308-03	FF015488.D	07 Feb 2025 12:34	YP\AJ	Dilution
8	Q1308-06	FF015489.D	07 Feb 2025 13:02	YP\AJ	Dilution
9	Q1308-07	FF015490.D	07 Feb 2025 13:31	YP\AJ	Dilution
10	Q1308-08	FF015491.D	07 Feb 2025 13:59	YP\AJ	Dilution
11	Q1308-09	FF015492.D	07 Feb 2025 14:28	YP\AJ	Dilution
12	Q1308-10	FF015493.D	07 Feb 2025 14:56	YP\AJ	Dilution
13	Q1308-11	FF015494.D	07 Feb 2025 15:24	YP\AJ	Dilution
14	I.BLK	FF015495.D	07 Feb 2025 16:21	YP\AJ	Ok
15	20 PPM AROMATIC HC STD	FF015496.D	07 Feb 2025 16:50	YP\AJ	Ok,M
16	Q1308-01DL	FF015497.D	07 Feb 2025 18:15	YP\AJ	Ok,M
17	Q1308-02DL	FF015498.D	07 Feb 2025 18:43	YP\AJ	Ok
18	Q1308-03DL	FF015499.D	07 Feb 2025 19:12	YP\AJ	Dilution
19	Q1308-03DL2	FF015500.D	08 Feb 2025 00:00	YP\AJ	Ok,M
20	Q1308-06DL	FF015501.D	08 Feb 2025 00:29	YP\AJ	Dilution
21	Q1308-06DL2	FF015502.D	08 Feb 2025 00:57	YP\AJ	Ok,M

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Daily Analysis Runlog For Sequence/QCBatch ID # FF020725AR

Review By	yogesh	Review On	2/7/2025 12:14:10 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:04:18 AM		
SubDirectory	FF020725AR	HP Acquire Method		HP Processing Method	FF020525AR

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

22	Q1308-07DL	FF015503.D	08 Feb 2025 01:26	YP\AJ	Ok,M
23	Q1308-08DL	FF015504.D	08 Feb 2025 01:54	YP\AJ	Dilution
24	Q1308-08DL2	FF015505.D	08 Feb 2025 02:22	YP\AJ	Ok,M
25	Q1308-09DL	FF015506.D	08 Feb 2025 02:51	YP\AJ	Dilution
26	Q1308-09DL2	FF015507.D	08 Feb 2025 03:19	YP\AJ	Ok,M
27	I.BLK	FF015508.D	08 Feb 2025 04:16	YP\AJ	Ok
28	20 PPM AROMATIC HC STD	FF015509.D	08 Feb 2025 04:45	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF021025AR

Review By	yogesh	Review On	2/10/2025 10:40:08 AM		
Supervise By	Ankita	Supervise On	2/11/2025 9:10:03 AM		
SubDirectory	FF021025AR	HP Acquire Method		HP Processing Method	FF020525AR

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015510.D	10 Feb 2025 08:21	YP\AJ	Ok
2	I.BLK	FF015511.D	10 Feb 2025 08:49	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF015512.D	10 Feb 2025 09:17	YP\AJ	Ok
4	Q1308-10DL	FF015513.D	10 Feb 2025 09:49	YP\AJ	Ok,M
5	Q1308-11DL	FF015514.D	10 Feb 2025 10:17	YP\AJ	Ok,M
6	I.BLK	FF015515.D	10 Feb 2025 10:45	YP\AJ	Ok
7	20 PPM AROMATIC HC STD	FF015516.D	10 Feb 2025 11:14	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

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

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

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

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

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

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

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

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC020725AL

Review By	yogesh	Review On	2/7/2025 9:28:56 AM		
Supervise By	Ankita	Supervise On	2/10/2025 8:59:14 AM		
SubDirectory	FC020725AL	HP Acquire Method		HP Processing Method	FC012425AL

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068222.D	07 Feb 2025 07:37		YP/AJ	Ok
2	I.BLK	I.BLK	FC068223.D	07 Feb 2025 08:13		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068224.D	07 Feb 2025 08:50		YP/AJ	Ok,M
4	Q1304-01DL	RB21140DL	FC068225.D	07 Feb 2025 09:27		YP/AJ	Ok
5	Q1304-02DL	RB21140-E2DL	FC068226.D	07 Feb 2025 10:04		YP/AJ	Ok,M
6	I.BLK	I.BLK	FC068227.D	07 Feb 2025 10:41		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068228.D	07 Feb 2025 11:18		YP/AJ	Ok,M
8	PB166603BL	PB166603BL	FC068229.D	07 Feb 2025 11:54		YP/AJ	Ok
9	PB166603BS	PB166603BS	FC068230.D	07 Feb 2025 12:32		YP/AJ	Ok,M
10	PB166603BSD	PB166603BSD	FC068231.D	07 Feb 2025 13:08		YP/AJ	Ok,M
11	Q1308-04	EX-11-TPH-5	FC068232.D	07 Feb 2025 13:44		YP/AJ	Ok
12	Q1308-04D	Q1308-04D	FC068233.D	07 Feb 2025 14:20		YP/AJ	Ok
13	Q1308-04MS	EX-11-TPH-5MS	FC068234.D	07 Feb 2025 14:56	FC068232.D	YP/AJ	Ok,M
14	Q1308-04MSD	EX-11-TPH-5MSD	FC068235.D	07 Feb 2025 15:33	FC068232.D!FC068234.D	YP/AJ	Ok,M
15	Q1308-05	EX-11-TPH-6	FC068236.D	07 Feb 2025 16:09		YP/AJ	Ok
16	Q1308-12	EX-11-TPH-13	FC068237.D	07 Feb 2025 16:45	need 10x, 50x, 200x dilution	YP/AJ	Dilution
17	Q1308-13	EX-11-TPH-14	FC068238.D	07 Feb 2025 17:21	need 10x dilution	YP/AJ	Dilution
18	I.BLK	I.BLK	FC068239.D	07 Feb 2025 18:33		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC020725AL

Review By	yogesh	Review On	2/7/2025 9:28:56 AM		
Supervise By	Ankita	Supervise On	2/10/2025 8:59:14 AM		
SubDirectory	FC020725AL	HP Acquire Method		HP Processing Method	FC012425AL

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

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068240.D	07 Feb 2025 19:09		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC021025AL

Review By	yogesh	Review On	2/10/2025 1:14:35 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:10:46 AM		
SubDirectory	FC021025AL	HP Acquire Method		HP Processing Method	FC012425AL

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068241.D	10 Feb 2025 08:23		YP/AJ	Ok
2	I.BLK	I.BLK	FC068242.D	10 Feb 2025 09:07		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068243.D	10 Feb 2025 10:19		YP/AJ	Ok,M
4	Q1308-12DL	EX-11-TPH-13DL	FC068244.D	10 Feb 2025 10:55	need further dilution	YP/AJ	Dilution
5	Q1308-12DL2	EX-11-TPH-13DL2	FC068245.D	10 Feb 2025 11:32	need further dilution	YP/AJ	Dilution
6	Q1308-12DL3	EX-11-TPH-13DL3	FC068246.D	10 Feb 2025 12:09		YP/AJ	Ok
7	Q1308-13DL	EX-11-TPH-14DL	FC068247.D	10 Feb 2025 12:45		YP/AJ	Ok
8	I.BLK	I.BLK	FC068248.D	10 Feb 2025 13:22		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068249.D	10 Feb 2025 13:58		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD012425AR

Review By	yogesh	Review On	1/24/2025 12:21:39 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:56 AM		
SubDirectory	FD012425AR	HP Acquire Method		HP Processing Method	FD012425AR

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048943.D	24 Jan 2025 07:37		YP/AJ	Ok
2	I.BLK	I.BLK	FD048944.D	24 Jan 2025 08:12		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048945.D	24 Jan 2025 08:47		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048946.D	24 Jan 2025 09:23		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048947.D	24 Jan 2025 09:58		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048948.D	24 Jan 2025 10:34		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048949.D	24 Jan 2025 11:10		YP/AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048950.D	24 Jan 2025 11:46		YP/AJ	Ok
9	I.BLK	I.BLK	FD048951.D	24 Jan 2025 12:23		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048952.D	24 Jan 2025 12:59		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD020725AR

Review By	yogesh	Review On	2/7/2025 9:30:02 AM		
Supervise By	Ankita	Supervise On	2/10/2025 8:59:29 AM		
SubDirectory	FD020725AR	HP Acquire Method		HP Processing Method	FD012425AR

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049049.D	07 Feb 2025 07:37		YP/AJ	Ok
2	I.BLK	I.BLK	FD049050.D	07 Feb 2025 08:13		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049051.D	07 Feb 2025 08:50		YP/AJ	Ok
4	PB166603BL	PB166603BL	FD049052.D	07 Feb 2025 11:18		YP/AJ	Ok
5	PB166603BS	PB166603BS	FD049053.D	07 Feb 2025 11:54		YP/AJ	Ok
6	PB166603BSD	PB166603BSD	FD049054.D	07 Feb 2025 12:32		YP/AJ	Ok
7	Q1308-04	EX-11-TPH-5	FD049055.D	07 Feb 2025 13:08		YP/AJ	Ok,M
8	Q1308-04D	Q1308-04D	FD049056.D	07 Feb 2025 13:44		YP/AJ	Ok
9	Q1308-04MS	EX-11-TPH-5MS	FD049057.D	07 Feb 2025 14:20	FD049055.D	YP/AJ	Ok
10	Q1308-04MSD	EX-11-TPH-5MSD	FD049058.D	07 Feb 2025 14:56	FD049055.D!FD049057.D	YP/AJ	Ok
11	Q1308-05	EX-11-TPH-6	FD049059.D	07 Feb 2025 15:33		YP/AJ	Ok,M
12	Q1308-12	EX-11-TPH-13	FD049060.D	07 Feb 2025 16:09	need 50x dilution	YP/AJ	Dilution
13	Q1308-13	EX-11-TPH-14	FD049061.D	07 Feb 2025 16:45		YP/AJ	Ok
14	I.BLK	I.BLK	FD049062.D	07 Feb 2025 17:57		YP/AJ	Ok
15	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049063.D	07 Feb 2025 18:33		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD021025AR

Review By	yogesh	Review On	2/10/2025 1:13:36 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:10:31 AM		
SubDirectory	FD021025AR	HP Acquire Method		HP Processing Method	FD012425AR

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049064.D	10 Feb 2025 08:23		YP/AJ	Ok
2	I.BLK	I.BLK	FD049065.D	10 Feb 2025 09:07		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049066.D	10 Feb 2025 09:43		YP/AJ	Ok
4	Q1308-12DL	EX-11-TPH-13DL	FD049067.D	10 Feb 2025 10:19		YP/AJ	Ok
5	I.BLK	I.BLK	FD049068.D	10 Feb 2025 10:55		YP/AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049069.D	10 Feb 2025 11:32		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE020325AL

Review By	yogesh	Review On	2/3/2025 1:02:17 PM		
Supervise By	Ankita	Supervise On	2/4/2025 9:01:10 AM		
SubDirectory	FE020325AL	HP Acquire Method		HP Processing Method	FE020325AL

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	FE052202.D	03 Feb 2025 09:00		YP\AJ	Ok
2	I.BLK	I.BLK	FE052203.D	03 Feb 2025 11:21		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE052204.D	03 Feb 2025 11:51		YP\AJ	Ok,M
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE052205.D	03 Feb 2025 12:21		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052206.D	03 Feb 2025 12:51		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE052207.D	03 Feb 2025 13:54		YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE052208.D	03 Feb 2025 14:54		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052209.D	03 Feb 2025 15:24		YP\AJ	Ok
9	I.BLK	I.BLK	FE052210.D	03 Feb 2025 15:54		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052211.D	03 Feb 2025 16:24		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE020725AL

Review By	yogesh	Review On	2/7/2025 12:11:11 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:01:01 AM		
SubDirectory	FE020725AL	HP Acquire Method		HP Processing Method	FE020325AL

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	FE052280.D	07 Feb 2025 08:51		YP\AJ	Ok
2	I.BLK	I.BLK	FE052281.D	07 Feb 2025 09:21		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052282.D	07 Feb 2025 09:51		YP\AJ	Ok,M
4	PB166603BL	PB166603BL	FE052283.D	07 Feb 2025 10:56		YP\AJ	Ok
5	Q1308-01	EX-8-TPH-1	FE052284.D	07 Feb 2025 11:26	need 20x dilution	YP\AJ	Dilution
6	Q1308-02	EX-6-TPH-1	FE052285.D	07 Feb 2025 11:56	need 5x dilution	YP\AJ	Dilution
7	Q1308-03	EX-6-TPH-2	FE052286.D	07 Feb 2025 12:26	need 10x & 50x dilution	YP\AJ	Dilution
8	Q1308-06	EX-11-TPH-7	FE052287.D	07 Feb 2025 12:56	need 50x & 200x dilution	YP\AJ	Dilution
9	Q1308-07	EX-11-TPH-8	FE052288.D	07 Feb 2025 13:27	need 50x dilution	YP\AJ	Dilution
10	Q1308-08	EX-11-TPH-9	FE052289.D	07 Feb 2025 13:57	need 5x & 100x dilution	YP\AJ	Dilution
11	Q1308-09	EX-11-TPH-10	FE052290.D	07 Feb 2025 14:27	need 10x & 100x dilution	YP\AJ	Dilution
12	Q1308-10	EX-11-TPH-11	FE052291.D	07 Feb 2025 14:57	need 50x dilution	YP\AJ	Dilution
13	Q1308-11	EX-11-TPH-12	FE052292.D	07 Feb 2025 15:27	need 20x dilution	YP\AJ	Dilution
14	I.BLK	I.BLK	FE052293.D	07 Feb 2025 16:26		YP\AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052294.D	07 Feb 2025 16:56		YP\AJ	Ok,M
16	Q1308-01DL	EX-8-TPH-1DL	FE052295.D	07 Feb 2025 18:26	not required	YP\AJ	Not Ok
17	Q1308-01DL	EX-8-TPH-1DL	FE052296.D	07 Feb 2025 18:56		YP\AJ	Ok,M
18	Q1308-02DL	EX-6-TPH-1DL	FE052297.D	07 Feb 2025 19:27		YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE020725AL

Review By	yogesh	Review On	2/7/2025 12:11:11 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:01:01 AM		
SubDirectory	FE020725AL	HP Acquire Method		HP Processing Method	FE020325AL

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	

19	Q1308-03DL	EX-6-TPH-2DL	FE052298.D	07 Feb 2025 19:56	need further dilution	YP\AJ	Dilution
20	Q1308-03DL2	EX-6-TPH-2DL2	FE052299.D	07 Feb 2025 20:26		YP\AJ	Ok,M
21	Q1308-06DL	EX-11-TPH-7DL	FE052300.D	07 Feb 2025 20:56	need further dilution	YP\AJ	Dilution
22	Q1308-06DL2	EX-11-TPH-7DL2	FE052301.D	07 Feb 2025 21:26		YP\AJ	Ok
23	Q1308-07DL	EX-11-TPH-8DL	FE052302.D	07 Feb 2025 21:57	not required	YP\AJ	Not Ok
24	Q1308-07DL	EX-11-TPH-8DL	FE052303.D	07 Feb 2025 22:27		YP\AJ	Ok,M
25	Q1308-08DL	EX-11-TPH-9DL	FE052304.D	07 Feb 2025 22:57	need further dilution	YP\AJ	Dilution
26	Q1308-08DL2	EX-11-TPH-9DL2	FE052305.D	07 Feb 2025 23:27		YP\AJ	Ok
27	I.BLK	I.BLK	FE052306.D	08 Feb 2025 00:27		YP\AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052307.D	08 Feb 2025 00:57		YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE021025AL

Review By	yogesh	Review On	2/10/2025 10:38:40 AM		
Supervise By	Ankita	Supervise On	2/11/2025 9:09:36 AM		
SubDirectory	FE021025AL	HP Acquire Method		HP Processing Method	FE020325AL

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	FE052308.D	10 Feb 2025 08:30		YP\AJ	Ok
2	I.BLK	I.BLK	FE052309.D	10 Feb 2025 09:00		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052310.D	10 Feb 2025 10:00		YP\AJ	Ok,M
4	Q1308-09DL	EX-11-TPH-10DL	FE052311.D	10 Feb 2025 10:30	need further dilution	YP\AJ	Dilution
5	Q1308-09DL2	EX-11-TPH-10DL2	FE052312.D	10 Feb 2025 11:00		YP\AJ	Ok
6	Q1308-10DL	EX-11-TPH-11DL	FE052313.D	10 Feb 2025 11:30		YP\AJ	Ok
7	Q1308-11DL	EX-11-TPH-12DL	FE052314.D	10 Feb 2025 12:00		YP\AJ	Ok,M
8	I.BLK	I.BLK	FE052315.D	10 Feb 2025 13:00		YP\AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052316.D	10 Feb 2025 13:30		YP\AJ	Ok,M
10	PB166637BL	PB166637BL	FE052317.D	10 Feb 2025 15:27		YP\AJ	Ok
11	PB166637BS	PB166637BS	FE052318.D	10 Feb 2025 15:57		YP\AJ	Ok,M
12	PB166637BSD	PB166637BSD	FE052319.D	10 Feb 2025 16:27		YP\AJ	Ok,M
13	Q1340-01	RV-SOIL	FE052320.D	10 Feb 2025 16:58		YP\AJ	Ok
14	Q1340-01D	Q1340-01D	FE052321.D	10 Feb 2025 17:28		YP\AJ	Ok
15	Q1340-01MS	RV-SOILMS	FE052322.D	10 Feb 2025 17:58	FE052320.D	YP\AJ	Ok,M
16	Q1340-01MSD	RV-SOILMSD	FE052323.D	10 Feb 2025 18:28	FE052320.D!FE052322.D	YP\AJ	Ok,M
17	Q1340-02	RV-SOIL-E2	FE052324.D	10 Feb 2025 18:57		YP\AJ	Ok,M
18	Q1341-01	HAR-ROLLOFFS	FE052325.D	10 Feb 2025 19:27		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE021025AL

Review By	yogesh	Review On	2/10/2025 10:38:40 AM		
Supervise By	Ankita	Supervise On	2/11/2025 9:09:36 AM		
SubDirectory	FE021025AL	HP Acquire Method		HP Processing Method	FE020325AL

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	

19	Q1341-02	HAR-ROLLOFFS-E2	FE052326.D	10 Feb 2025 19:57		YP\AJ	Ok,M
20	Q1343-01	WC-9	FE052327.D	10 Feb 2025 20:27		YP\AJ	Ok
21	Q1343-02	WC-9-EPH	FE052328.D	10 Feb 2025 20:57		YP\AJ	Ok
22	Q1343-05	WC-10	FE052329.D	10 Feb 2025 21:26		YP\AJ	Ok
23	I.BLK	I.BLK	FE052330.D	10 Feb 2025 22:27		YP\AJ	Ok
24	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052331.D	10 Feb 2025 22:56		YP\AJ	Ok,M
25	Q1343-06	WC-10-EPH	FE052332.D	10 Feb 2025 23:56		YP\AJ	Ok
26	Q1343-09	WC-7	FE052333.D	11 Feb 2025 00:27		YP\AJ	Ok
27	Q1343-10	WC-7-EPH	FE052334.D	11 Feb 2025 00:57		YP\AJ	Ok
28	Q1343-13	WC-13	FE052335.D	11 Feb 2025 01:27		YP\AJ	Ok
29	Q1343-14	WC-13-EPH	FE052336.D	11 Feb 2025 01:57		YP\AJ	Ok
30	Q1343-17	WC-14	FE052337.D	11 Feb 2025 03:52		YP\AJ	Ok
31	Q1343-18	WC-14-EPH	FE052338.D	11 Feb 2025 04:22		YP\AJ	Ok
32	Q1344-01	SOIL-1	FE052339.D	11 Feb 2025 04:52		YP\AJ	Ok
33	Q1344-03	SOIL-2	FE052340.D	11 Feb 2025 05:22		YP\AJ	Ok
34	I.BLK	I.BLK	FE052341.D	11 Feb 2025 06:22		YP\AJ	Ok
35	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052342.D	11 Feb 2025 06:52		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF020525AR

Review By	yogesh	Review On	2/5/2025 4:32:23 PM		
Supervise By	Ankita	Supervise On	2/6/2025 11:35:27 AM		
SubDirectory	FF020525AR	HP Acquire Method		HP Processing Method	FF020525AR

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015472.D	05 Feb 2025 22:24		YP\AJ	Ok
2	I.BLK	I.BLK	FF015473.D	05 Feb 2025 22:52		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FF015474.D	05 Feb 2025 23:20		YP\AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FF015475.D	05 Feb 2025 23:49		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015476.D	06 Feb 2025 00:17		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FF015477.D	06 Feb 2025 00:46		YP\AJ	Ok,M
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FF015478.D	06 Feb 2025 01:14		YP\AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015479.D	06 Feb 2025 01:42		YP\AJ	Ok
9	I.BLK	I.BLK	FF015480.D	06 Feb 2025 02:39		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015481.D	06 Feb 2025 03:07		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF020725AR

Review By	yogesh	Review On	2/7/2025 12:14:10 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:04:18 AM		
SubDirectory	FF020725AR	HP Acquire Method		HP Processing Method	FF020525AR

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015482.D	07 Feb 2025 06:27		YP\AJ	Ok
2	I.BLK	I.BLK	FF015483.D	07 Feb 2025 06:55		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015484.D	07 Feb 2025 10:40		YP\AJ	Ok,M
4	PB166603BL	PB166603BL	FF015485.D	07 Feb 2025 11:08		YP\AJ	Ok
5	Q1308-01	EX-8-TPH-1	FF015486.D	07 Feb 2025 11:37	need 5x dilution	YP\AJ	Dilution
6	Q1308-02	EX-6-TPH-1	FF015487.D	07 Feb 2025 12:05	need 5x dilution	YP\AJ	Dilution
7	Q1308-03	EX-6-TPH-2	FF015488.D	07 Feb 2025 12:34	need 10x & 20x dilution	YP\AJ	Dilution
8	Q1308-06	EX-11-TPH-7	FF015489.D	07 Feb 2025 13:02	need 10x & 50x dilution	YP\AJ	Dilution
9	Q1308-07	EX-11-TPH-8	FF015490.D	07 Feb 2025 13:31	need 10x dilution	YP\AJ	Dilution
10	Q1308-08	EX-11-TPH-9	FF015491.D	07 Feb 2025 13:59	need 5x & 25xdilution	YP\AJ	Dilution
11	Q1308-09	EX-11-TPH-10	FF015492.D	07 Feb 2025 14:28	need 10x & 20xdilution	YP\AJ	Dilution
12	Q1308-10	EX-11-TPH-11	FF015493.D	07 Feb 2025 14:56	need 10x dilution	YP\AJ	Dilution
13	Q1308-11	EX-11-TPH-12	FF015494.D	07 Feb 2025 15:24	need 5x dilution	YP\AJ	Dilution
14	I.BLK	I.BLK	FF015495.D	07 Feb 2025 16:21		YP\AJ	Ok
15	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015496.D	07 Feb 2025 16:50		YP\AJ	Ok,M
16	Q1308-01DL	EX-8-TPH-1DL	FF015497.D	07 Feb 2025 18:15		YP\AJ	Ok,M
17	Q1308-02DL	EX-6-TPH-1DL	FF015498.D	07 Feb 2025 18:43		YP\AJ	Ok
18	Q1308-03DL	EX-6-TPH-2DL	FF015499.D	07 Feb 2025 19:12	need further dilution	YP\AJ	Dilution

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF020725AR

Review By	yogesh	Review On	2/7/2025 12:14:10 PM		
Supervise By	Ankita	Supervise On	2/10/2025 9:04:18 AM		
SubDirectory	FF020725AR	HP Acquire Method		HP Processing Method	FF020525AR

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

19	Q1308-03DL2	EX-6-TPH-2DL2	FF015500.D	08 Feb 2025 00:00		YP\AJ	Ok,M
20	Q1308-06DL	EX-11-TPH-7DL	FF015501.D	08 Feb 2025 00:29	need further dilution	YP\AJ	Dilution
21	Q1308-06DL2	EX-11-TPH-7DL2	FF015502.D	08 Feb 2025 00:57		YP\AJ	Ok,M
22	Q1308-07DL	EX-11-TPH-8DL	FF015503.D	08 Feb 2025 01:26		YP\AJ	Ok,M
23	Q1308-08DL	EX-11-TPH-9DL	FF015504.D	08 Feb 2025 01:54	need further dilution	YP\AJ	Dilution
24	Q1308-08DL2	EX-11-TPH-9DL2	FF015505.D	08 Feb 2025 02:22		YP\AJ	Ok,M
25	Q1308-09DL	EX-11-TPH-10DL	FF015506.D	08 Feb 2025 02:51	need further dilution	YP\AJ	Dilution
26	Q1308-09DL2	EX-11-TPH-10DL2	FF015507.D	08 Feb 2025 03:19		YP\AJ	Ok,M
27	I.BLK	I.BLK	FF015508.D	08 Feb 2025 04:16		YP\AJ	Ok
28	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015509.D	08 Feb 2025 04:45		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF021025AR

Review By	yogesh	Review On	2/10/2025 10:40:08 AM		
Supervise By	Ankita	Supervise On	2/11/2025 9:10:03 AM		
SubDirectory	FF021025AR	HP Acquire Method		HP Processing Method	FF020525AR

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015510.D	10 Feb 2025 08:21		YP\AJ	Ok
2	I.BLK	I.BLK	FF015511.D	10 Feb 2025 08:49		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015512.D	10 Feb 2025 09:17		YP\AJ	Ok
4	Q1308-10DL	EX-11-TPH-11DL	FF015513.D	10 Feb 2025 09:49		YP\AJ	Ok,M
5	Q1308-11DL	EX-11-TPH-12DL	FF015514.D	10 Feb 2025 10:17		YP\AJ	Ok,M
6	I.BLK	I.BLK	FF015515.D	10 Feb 2025 10:45		YP\AJ	Ok
7	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015516.D	10 Feb 2025 11:14		YP\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/6/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 02/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134582

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
Q1295-01	TAPFTA-SB01D-020425-00-T1	1	1.15	8.75	9.9	9.1	90.9	
Q1299-01	WC-1	2	1.18	8.42	9.6	8.63	88.5	
Q1299-02	WC-1-EPH	3	1.14	8.40	9.54	8.72	90.2	
Q1299-03	WC-1-VOC	4	1.15	8.82	9.97	9.44	94.0	
Q1299-05	WC-2	5	1.14	8.76	9.9	8.93	88.9	
Q1299-06	WC-2-EPH	6	1.15	8.76	9.91	8.98	89.4	
Q1299-07	WC-2-VOC	7	1.19	8.77	9.96	9.00	89.1	
Q1304-01	RB21140	8	1.14	8.82	9.96	7.81	75.6	
Q1304-02	RB21140-E2	9	1.12	8.51	9.63	7.78	78.3	
Q1305-01	BC258874-1-1	10	1.00	1.00	2.00	2.00	100.0	pilc
Q1305-02	BC258874-1-2	11	1.00	1.00	2.00	2.00	100.0	pilc
Q1305-03	BC258874-2-1	12	1.00	1.00	2.00	2.00	100.0	pilc
Q1305-04	BC258874-2-2	13	1.00	1.00	2.00	2.00	100.0	pilc
Q1305-05	Y2308-0040-1-1	14	1.00	1.00	2.00	2.00	100.0	pilc
Q1305-06	Y2308-0040-1-2	15	1.00	1.00	2.00	2.00	100.0	pilc
Q1305-07	BC216351-1-1	16	1.00	1.00	2.00	2.00	100.0	pilc
Q1305-08	BC216351-1-2	17	1.00	1.00	2.00	2.00	100.0	pilc
Q1306-01	KMH840Y-1-1	18	1.00	1.00	2.00	2.00	100.0	pilc
Q1306-02	KMH840Y-1-2	19	1.00	1.00	2.00	2.00	100.0	pilc
Q1306-03	KMH840Y-2-1	20	1.00	1.00	2.00	2.00	100.0	pilc
Q1306-04	KMH840Y-2-2	21	1.00	1.00	2.00	2.00	100.0	pilc
Q1307-01	434	22	1.16	8.40	9.56	8.77	90.6	
Q1308-01	EX-8-TPH-1	23	1.15	8.81	9.96	8.96	88.6	
Q1308-02	EX-6-TPH-1	24	1.13	8.72	9.85	8.39	83.3	
Q1308-03	EX-6-TPH-2	25	1.15	8.81	9.96	8.54	83.9	
Q1308-04	EX-11-TPH-5	26	1.13	8.65	9.78	8.51	85.3	
Q1308-05	EX-11-TPH-6	27	1.13	8.86	9.99	8.5	83.2	
Q1308-06	EX-11-TPH-7	28	1.19	8.40	9.59	8.31	84.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/6/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 02/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134582

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
Q1308-07	EX-11-TPH-8	29	1.13	8.85	9.98	9.4	93.4	
Q1308-08	EX-11-TPH-9	30	1.15	8.80	9.95	9.1	90.3	
Q1308-09	EX-11-TPH-10	31	1.16	8.41	9.57	7.66	77.3	
Q1308-10	EX-11-TPH-11	32	1.14	8.83	9.97	8.92	88.1	
Q1308-11	EX-11-TPH-12	33	1.17	8.76	9.93	8.95	88.8	
Q1308-12	EX-11-TPH-13	34	1.15	8.49	9.64	8.48	86.3	
Q1308-13	EX-11-TPH-14	35	1.13	8.85	9.98	8.4	82.1	
Q1308-14	EX-11-TPH-14	36	1.00	1.00	2.00	2.00	100.0	
Q1309-01	WC-2	37	1.18	8.38	9.56	8.19	83.7	
Q1309-02	WC-2-EPH	38	1.16	8.58	9.74	8.32	83.4	
Q1309-03	WC-2-VOC	39	1.13	8.79	9.92	8.51	84.0	
Q1309-05	WC-3	40	1.16	8.48	9.64	8.28	84.0	
Q1309-06	WC-3-EPH	41	1.13	8.86	9.99	8.84	87.0	
Q1309-07	WC-3-VOC	42	1.14	8.62	9.76	8.26	82.6	
Q1309-09	WC-4	43	1.13	8.79	9.92	8.76	86.8	
Q1309-10	WC-4-EPH	44	1.16	8.74	9.9	8.45	83.4	
Q1309-11	WC-4-VOC	45	1.15	8.80	9.95	8.3	81.3	
Q1309-13	WC-5	46	1.17	8.48	9.65	8.36	84.8	
Q1309-14	WC-5-EPH	47	1.13	8.81	9.94	8.47	83.3	
Q1309-15	WC-5-VOC	48	1.17	8.82	9.99	8.94	88.1	
Q1309-17	WC-6	49	1.12	8.55	9.67	8.55	86.9	
Q1309-18	WC-6-EPH	50	1.15	8.83	9.98	9.03	89.2	
Q1309-19	WC-6-VOC	51	1.13	8.84	9.97	8.56	84.0	
Q1309-21	WC-8	52	1.12	8.61	9.73	8.57	86.5	
Q1309-22	WC-8-EPH	53	1.13	8.62	9.75	8.45	84.9	
Q1309-23	WC-8-VOC	54	1.16	8.83	9.99	9.12	90.1	

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

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166603

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 02/06/2025

Extraction Start Time : 14:20

Extraction End Date : 02/07/2025

Extraction End Time : 10:45

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	PP24161
Surrogate	1.0ML	100 PPM	PP24119
Fractionation Surrogate	1.0ML	100 PPM	PP24108
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2582
Baked Na2SO4	N/A	EP2581
Sand	N/A	E2865
Methylene Chloride	N/A	E3874
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 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
02/07/25	RP (Set 2 wks)	Y-P-RSHIPCO.
10:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166603

Analytical Method: MNJDEP-EPH-7

Concentration Date: 02/07/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166603BL	PB166603BL	EPH	30.02	N/A	ritesh	Evelyn	2			U2-1
PB166603BS	PB166603BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB166603BSD	PB166603BSD	EPH	30.01	N/A	ritesh	Evelyn	2			3
Q1308-01	EX-8-TPH-1	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
Q1308-02	EX-6-TPH-1	EPH	30.04	N/A	ritesh	Evelyn	2	E		5
Q1308-03	EX-6-TPH-2	EPH	30.07	N/A	ritesh	Evelyn	2	E		6
Q1308-04	EX-11-TPH-5	EPH	30.02	N/A	ritesh	Evelyn	2	E		U3-1
Q1308-04DUP	EX-11-TPH-5DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		2
Q1308-04MS	EX-11-TPH-5MS	EPH	30.07	N/A	ritesh	Evelyn	2	E		3
Q1308-04MSD	EX-11-TPH-5MSD	EPH	30.09	N/A	ritesh	Evelyn	2	E		4
Q1308-05	EX-11-TPH-6	EPH	30.03	N/A	ritesh	Evelyn	2	E		5
Q1308-06	EX-11-TPH-7	EPH	30.05	N/A	ritesh	Evelyn	2	E		6
Q1308-07	EX-11-TPH-8	EPH	30.09	N/A	ritesh	Evelyn	2	E		U4-1
Q1308-08	EX-11-TPH-9	EPH	30.04	N/A	ritesh	Evelyn	2	E		2
Q1308-09	EX-11-TPH-10	EPH	30.07	N/A	ritesh	Evelyn	2	E		3
Q1308-10	EX-11-TPH-11	EPH	30.05	N/A	ritesh	Evelyn	2	E		4
Q1308-11	EX-11-TPH-12	EPH	30.10	N/A	ritesh	Evelyn	2	E		5
Q1308-12	EX-11-TPH-13	EPH	30.04	N/A	ritesh	Evelyn	2	E		6
Q1308-13	EX-11-TPH-14	EPH	30.06	N/A	ritesh	Evelyn	2	E		U5-1

* **Extracts relinguished on the same date as received.**

2/7/25

166803
14:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : q1308n **WorkList ID :** 187548 **Department :** Extraction **Date :** 02-06-2025 14:16:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1308-01	EX-8-TPH-1	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-02	EX-6-TPH-1	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-03	EX-6-TPH-2	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-04	EX-11-TPH-5	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-05	EX-11-TPH-6	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-06	EX-11-TPH-7	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-07	EX-11-TPH-8	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-08	EX-11-TPH-9	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-09	EX-11-TPH-10	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-10	EX-11-TPH-11	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-11	EX-11-TPH-12	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-12	EX-11-TPH-13	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH
Q1308-13	EX-11-TPH-14	Solid	EPH	Cool 4 deg C	ENTA05	N41	02/05/2025	NJEPH

Date/Time 02/06/25 14:18
Raw Sample Received by: RS (Set log)
Raw Sample Relinquished by: CP SM

Date/Time 02/06/25 14:45
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Set log)

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Prep Standard - Chemical Standard Summary

Order ID : Q1308

Test : EPH

Prepbatch ID : PB166603,

Sequence ID/Qc Batch ID: FC020725AL,FC021025AL,FD020725AR,FD021025AR,FE020725AL,FE021025AL,FF020725AR,FF02

Standard ID :

EP2581,EP2582,PP23644,PP23645,PP23646,PP23647,PP23648,PP23649,PP23650,PP23968,PP23969,PP23970,PP23971,PP23972,PP23973,PP23974,PP24108,PP24119,PP24161,PP24170,PP24174,PP24175,PP24176,PP24177,PP24178,PP24179,

Chemical ID :

E2865,E3551,E3757,E3789,E3828,E3846,E3873,E3874,P10260,P11139,P12362,P12363,P12972,P12981,P12983,P13017,P13278,P13279,P13465,P13472,P13595,P13597,P13598,P13607,P13646,P13647,P13650,P13652,P13654,P13661,P13671,P13685,P13744,P13748,P13766,P13769,P13800,P13804,P13805,P13808,P13816,P13817,P13818,P13821,P13826,P13829,P13839,P13843,P13844,P13850,P13851,P13856,P13857,P13863,P13864,P13866,W3110,W3153,W3177,

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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	EP2581	02/03/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Rajesh Parikh 02/03/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2582	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3873 + 8000.00000ml of E3874 = Final Quantity: 16000.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
781	100 PPM Aliphatic HC Working STD (Restek)	PP23644	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 0.25000ml of P12972 + 0.25000ml of P13017 + 1.25000ml of P12362 + 23.25000ml of E3789 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2900	100 PPM Aliphatic HC STD (Absolute)	PP23645	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 0.25000ml of P12972 + 0.25000ml of P13017 + 2.50000ml of P13278 + 22.00000ml of E3789 = 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
783	50 PPM Aliphatic HC STD	PP23646	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 0.50000ml of E3789 + 0.50000ml of PP23644 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
784	20 PPM Aliphatic HC STD	PP23647	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 0.80000ml of E3789 + 0.20000ml of PP23644 = 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
785	10 PPM Aliphatic HC STD	PP23648	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 0.90000ml of E3789 + 0.10000ml of PP23644 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
786	5 PPM Aliphatic HC STD	PP23649	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 0.90000ml of E3789 + 0.10000ml of PP23646 = 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
2901	20 PPM Aliphaitic HC STD ICV (Absolute)	PP23650	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 0.80000ml of E3789 + 0.20000ml of PP23645 = Final Quantity: 1.000 ml

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
787	50 PPM Aromatic HC STD	PP23970	11/14/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 11/21/2024

FROM 0.50000ml of E3828 + 0.50000ml 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
788	20 PPM Aromatic HC STD	PP23971	11/14/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 11/21/2024

FROM 0.80000ml of E3828 + 0.20000ml of PP23968 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
789	10 PPM Aromatic HC STD	PP23972	11/14/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 11/21/2024

FROM 0.90000ml of E3828 + 0.10000ml 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
790	5 PPM Aromatic HC STD	PP23973	11/14/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 11/21/2024

FROM 0.90000ml of E3828 + 0.10000ml of PP23970 = 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)	PP23974	11/14/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 11/21/2024

FROM 0.80000ml of W3110 + 0.20000ml of PP23645 = 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
1331	100 PPM NJEPH Fractionating Surrogate	PP24108	01/14/2025	07/14/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

FROM 1.25000ml of P13744 + 1.25000ml of P13748 + 1.25000ml of P13766 + 1.25000ml of P13769 + 195.00000ml of W3153 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1339	100 PPM NJEPH Surrogate Spike	PP24119	01/16/2025	06/26/2025	Yogesh Patel	None	None	Ankita Jodhani 01/16/2025

FROM 1.25000ml of P13595 + 1.25000ml of P13597 + 1.25000ml of P13598 + 1.25000ml of P13607 + 1.25000ml of P13652 + 1.25000ml of P13654 + 1.25000ml of P13661 + 1.25000ml of P13685 + 490.00000ml of E3846 = Final Quantity: 200.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1330	100 PPM NJEPH Spike Solution	PP24161	01/31/2025	07/31/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

FROM 5.00000ml of P13800 + 5.00000ml of P13804 + 5.00000ml of P13805 + 5.00000ml of P13808 + 5.00000ml of P13816 + 5.00000ml of P13817 + 5.00000ml of P13818 + 5.00000ml of P13821 + 5.00000ml of P13826 + 5.00000ml of P13829 + 5.00000ml of P13839 + 5.00000ml of P13843 + 5.00000ml of P13844 + 5.00000ml of P13850 + 5.00000ml of P13851 + 5.00000ml of P13856 + 5.00000ml of P13857 + 5.00000ml of P13863 + 5.00000ml of P13864 + 5.00000ml of P13866 = Final Quantity: 100.000 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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CHEMICAL RECEIPT LOG BOOK

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	03/04/2025	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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3789

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	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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CHEMICAL RECEIPT LOG BOOK

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

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	03/09/2025	09/09/2024 / yogesh	03/16/2023 / Yogesh	P12362

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	03/09/2025	09/09/2024 / yogesh	12/20/2023 / Yogesh	P12972

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

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	31097 / o-Terphenyl Standard	A0204177	03/09/2025	09/09/2024 / yogesh	12/21/2023 / Yogesh	P13017

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	03/09/2025	09/09/2024 / yogesh	04/11/2024 / yogesh	P13278

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

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CHEMICAL RECEIPT LOG BOOK

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	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13595

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13598

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13607

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CHEMICAL RECEIPT LOG BOOK

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	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13652

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	P13654

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	P13661

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CHEMICAL RECEIPT LOG BOOK

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	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	31480 / MA Fractionation Surrogate Spike Mix	A0214879	07/14/2025	01/14/2025 / yogesh	11/01/2024 / yogesh	P13744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0214879	07/14/2025	01/14/2025 / yogesh	11/01/2024 / yogesh	P13748

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0214879	07/14/2025	01/14/2025 / yogesh	11/01/2024 / yogesh	P13766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0214879	07/14/2025	01/14/2025 / yogesh	11/01/2024 / yogesh	P13769

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CHEMICAL RECEIPT LOG BOOK

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13800

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13804

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13805

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13808

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13816

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13817

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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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13818

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13821

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13826

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13829

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13839

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13843

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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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13844

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13850

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13851

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13856

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	07/31/2025	01/31/2025 / yogesh	12/09/2024 / yogesh	P13857

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0220580	07/31/2025	01/31/2025 / yogesh	01/08/2025 / yogesh	P13863

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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	A0220580	07/31/2025	01/31/2025 / yogesh	01/08/2025 / yogesh	P13864

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0220580	07/31/2025	01/31/2025 / yogesh	01/08/2025 / yogesh	P13866

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)	235898	02/28/2029	06/27/2024 / jignesh	06/26/2024 / jignesh	W3110

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	11/25/2024 / jignesh	11/21/2024 / jignesh	W3153

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

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Tel: (800)356-1688
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CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

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)

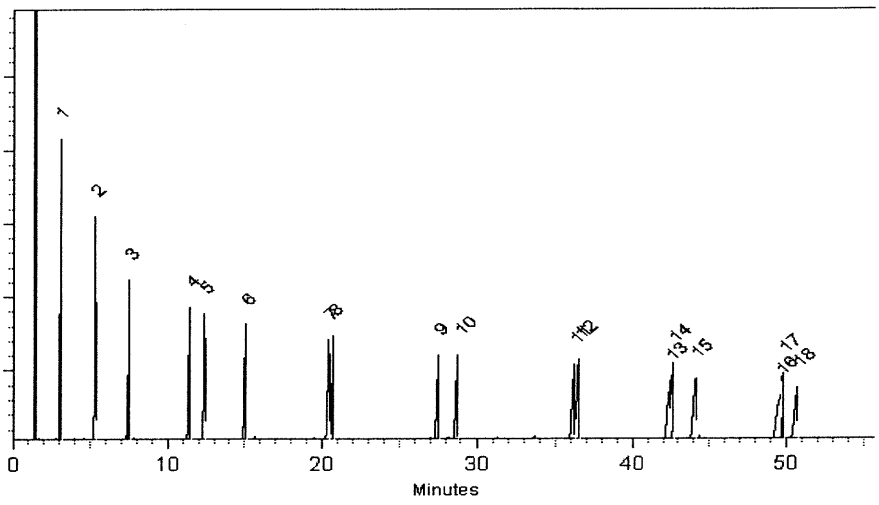
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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 RB 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

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.B

Material No.: 926
Batch No.: 24C186
Manufactured Date: 2024-0
Expiration Date: 2025-0
Revision N

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
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	0.4 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

Recd. by RP on 8/13/24

E3789

JCroak

Jamie Croak
Director Quality Operations, Bioscience Product

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

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

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 1/29/25

E 3873

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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
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	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 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 3874

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

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

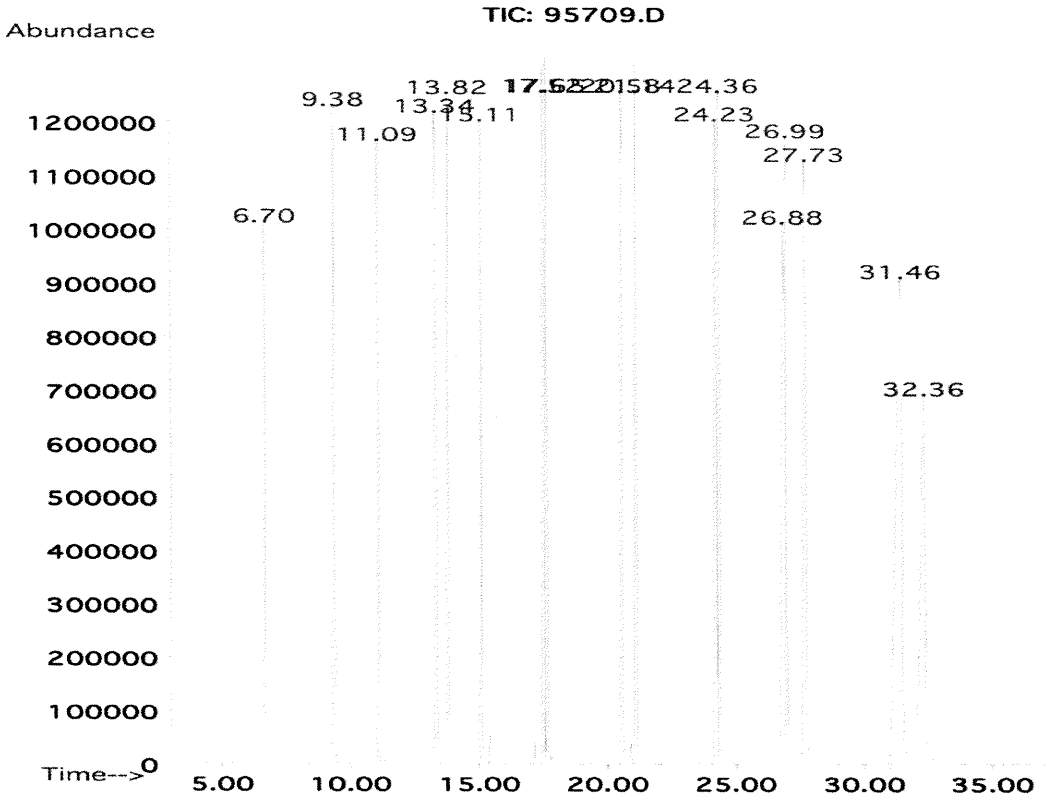
	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acenaphthene	1	MKBJ4871V	2000	99	0.2	1.01003	1.01010	2000.1	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
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.

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)

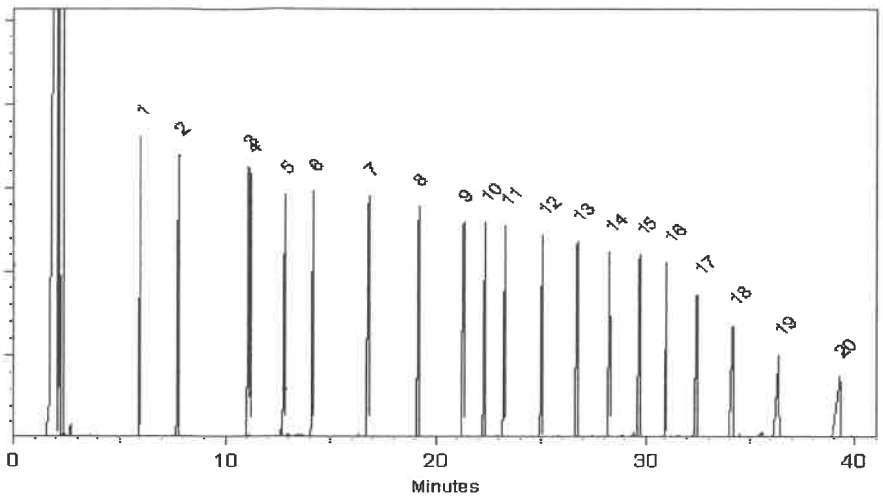
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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.

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.

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.

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)

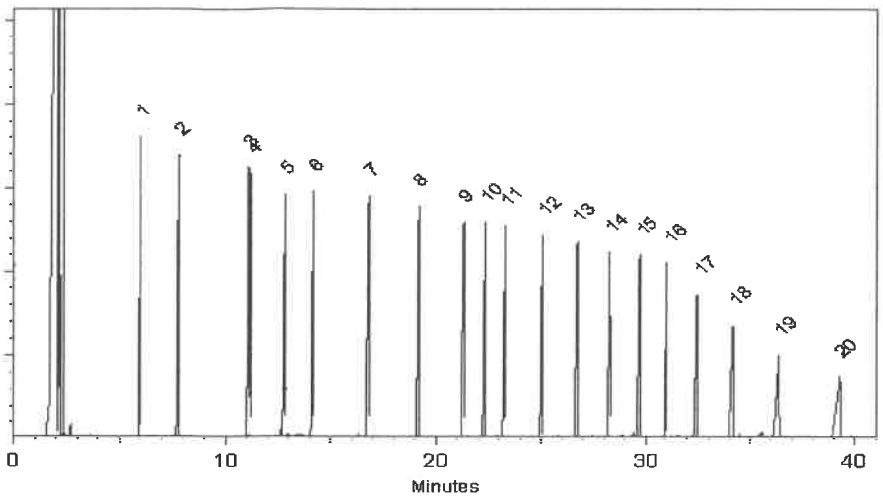
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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.

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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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.

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.)

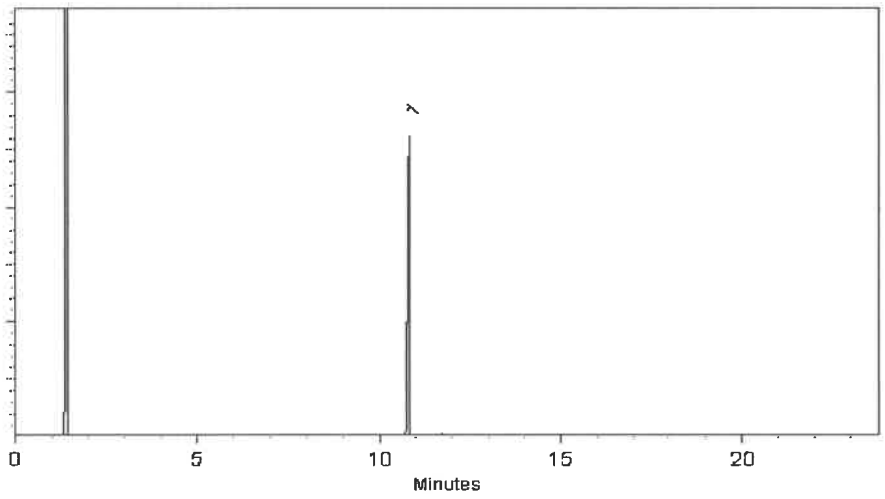
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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.

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.
- 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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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.)

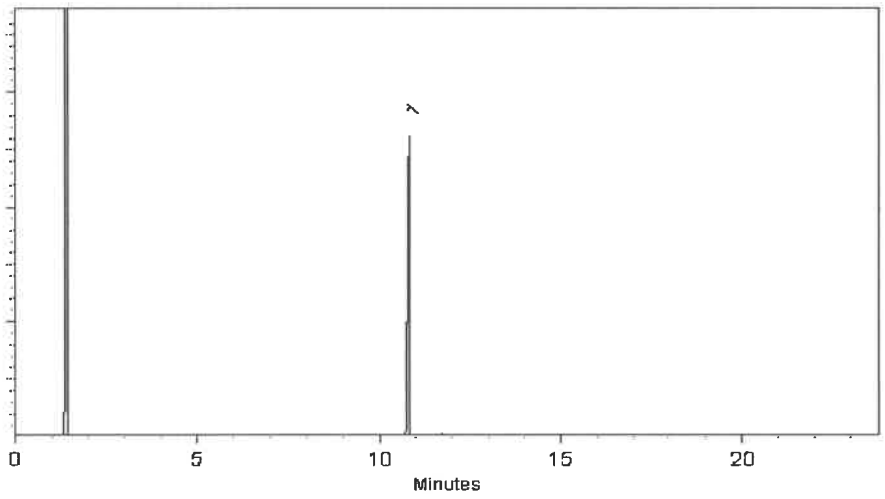
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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.

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.
- 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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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.)

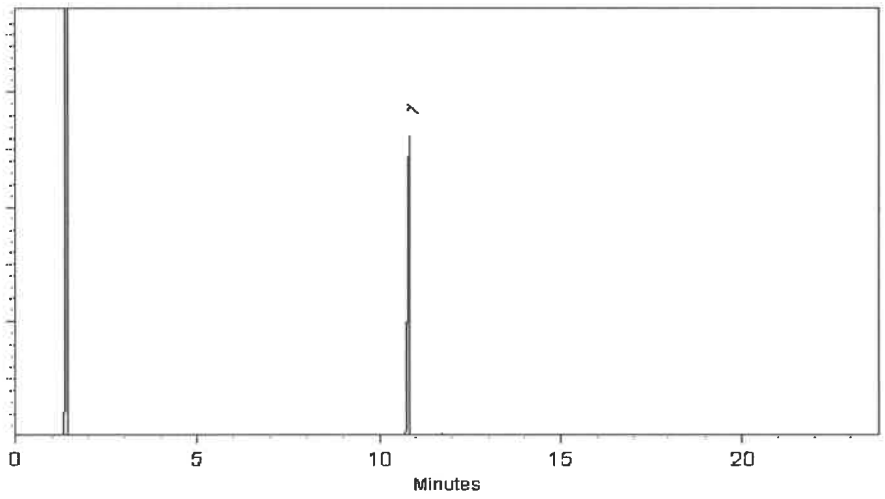
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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.

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.
- 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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P12992 ↓ P13031 } Y.P. 12/21/2023

Catalog No. : 31097 **Lot No.:** A0204177

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 : June 30, 2027 **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%	10,000.5 µg/mL	+/- 450.4278

* 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.)

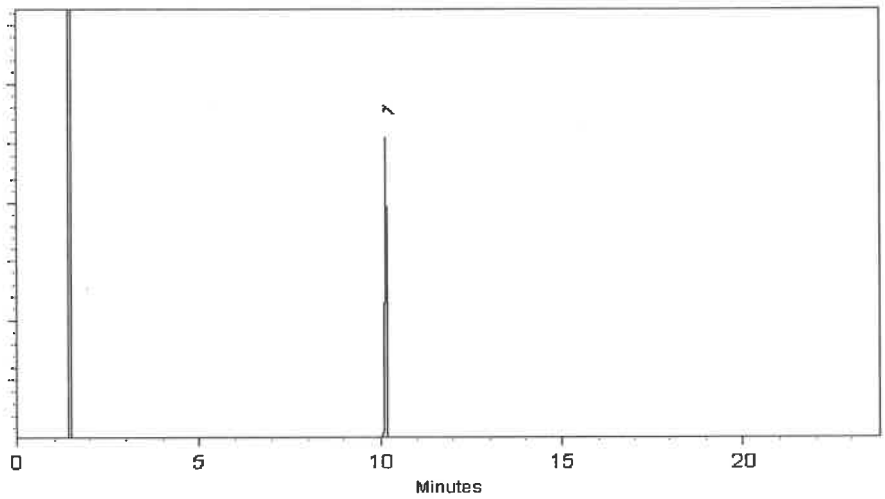
Inj. Temp:
250°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 07-Nov-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 09-Nov-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.
- 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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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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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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
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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.)

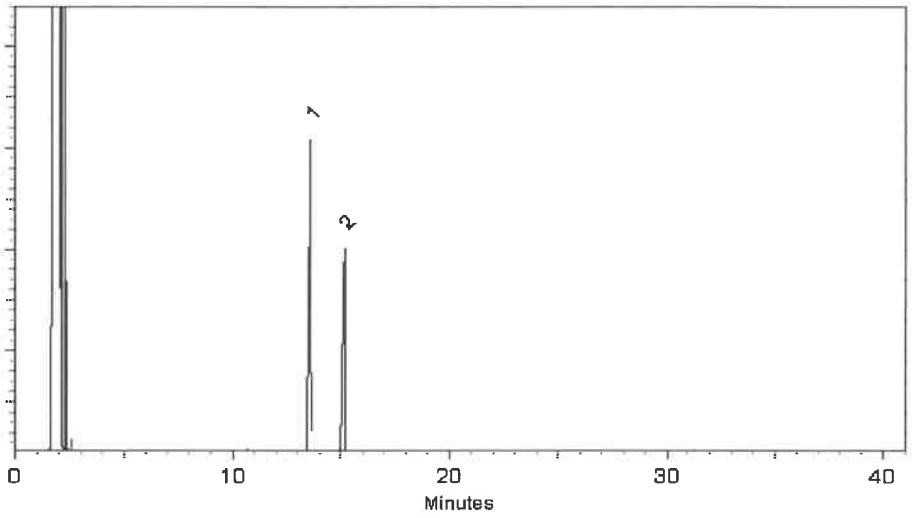
Inj. Temp:
250°C

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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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.)

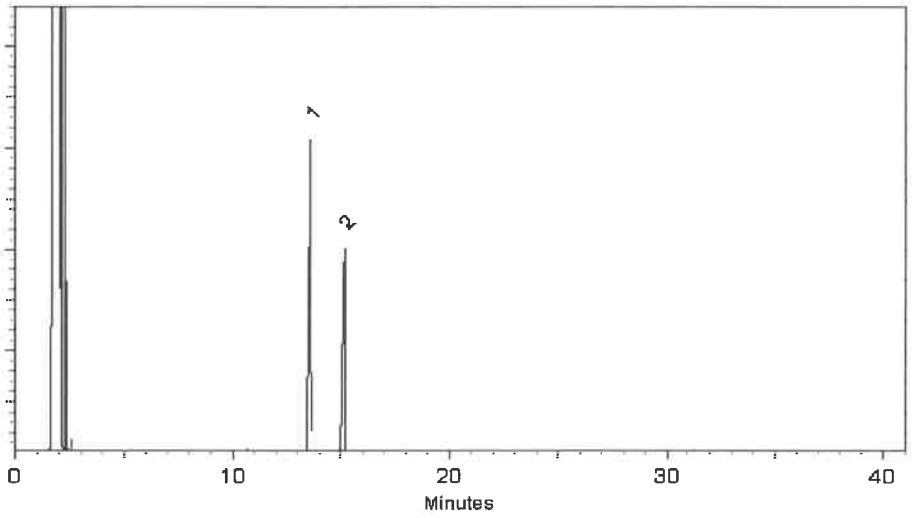
Inj. Temp:
250°C

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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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. : 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.)

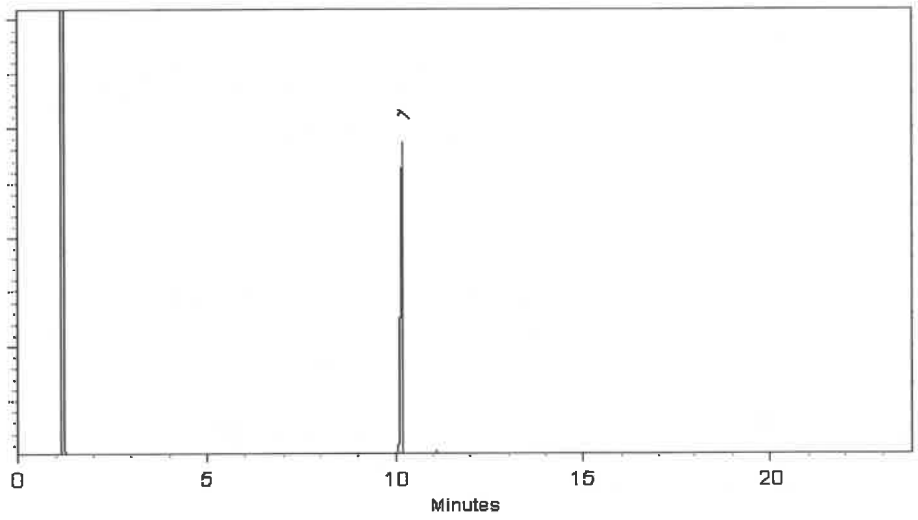
Inj. Temp:
250°C

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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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. : 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.)

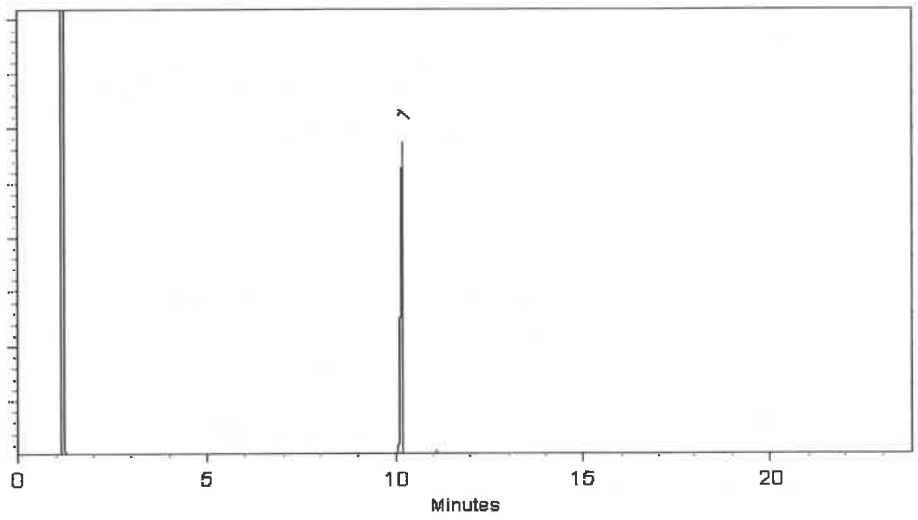
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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

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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.

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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.)

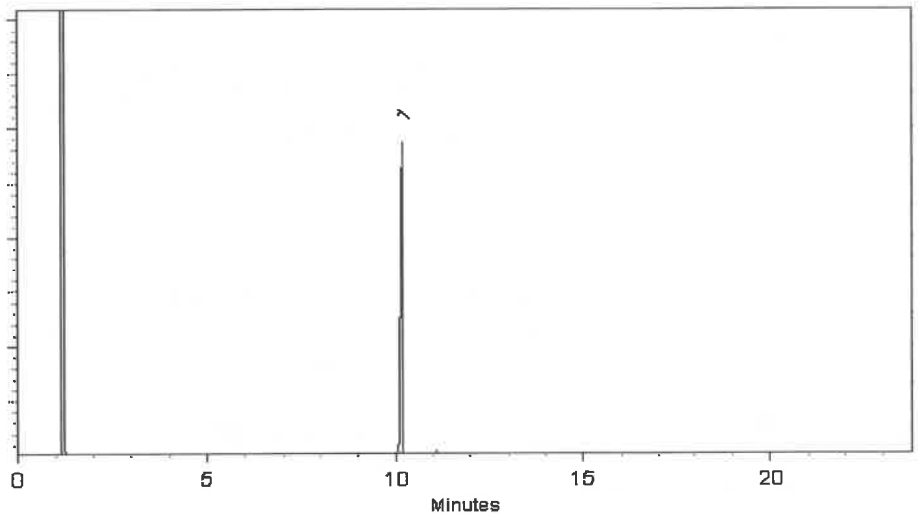
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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:

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Manufacturing Notes:

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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.)

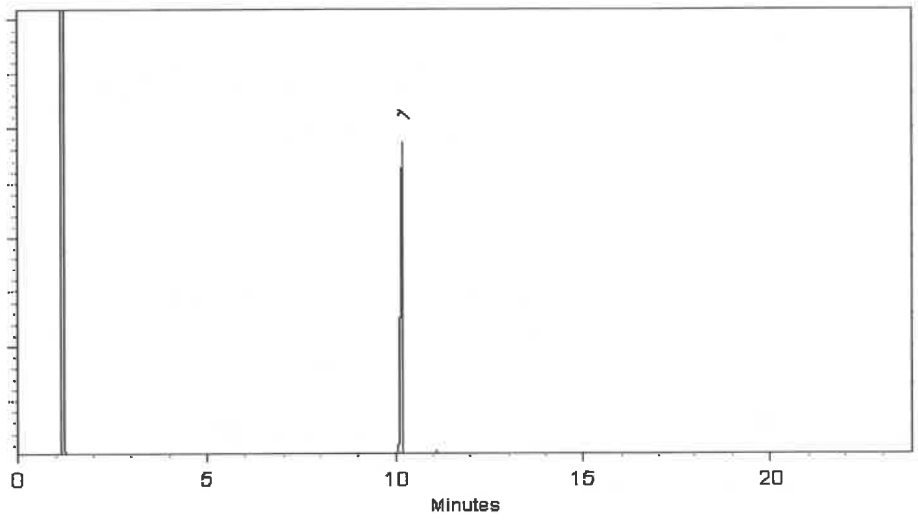
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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:

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Certified Uncertainty Value 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.)

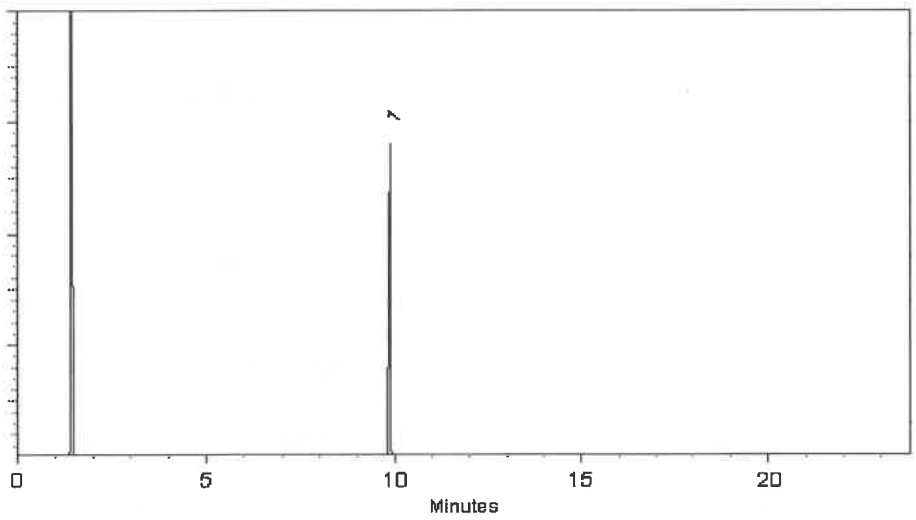
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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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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.)

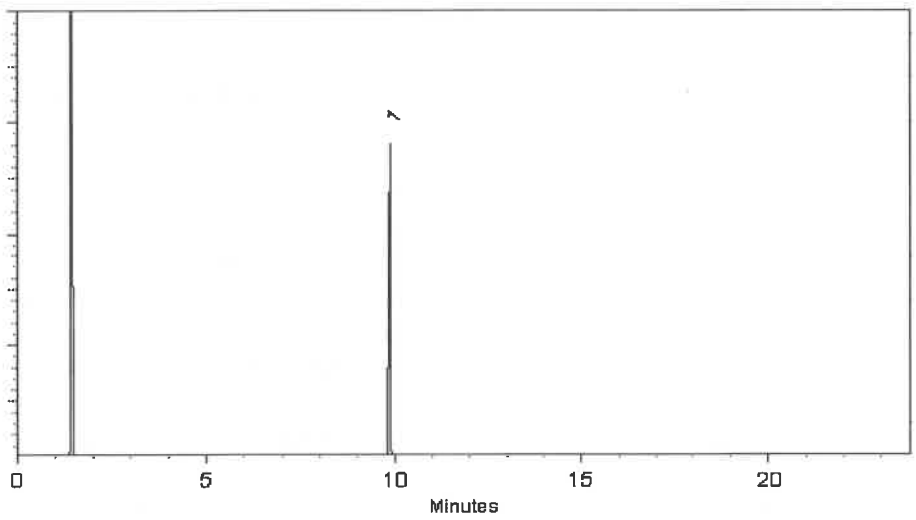
Inj. Temp:
250°C

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

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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

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.)

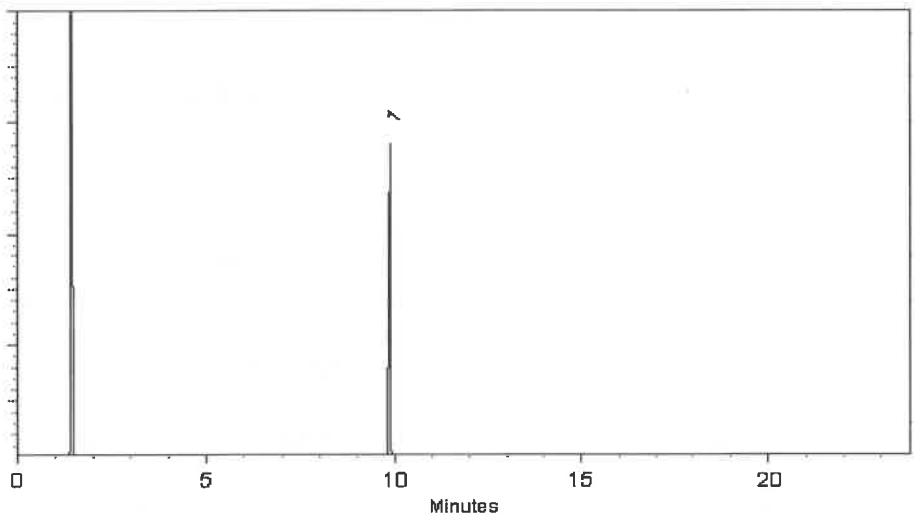
Inj. Temp:
250°C

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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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.)

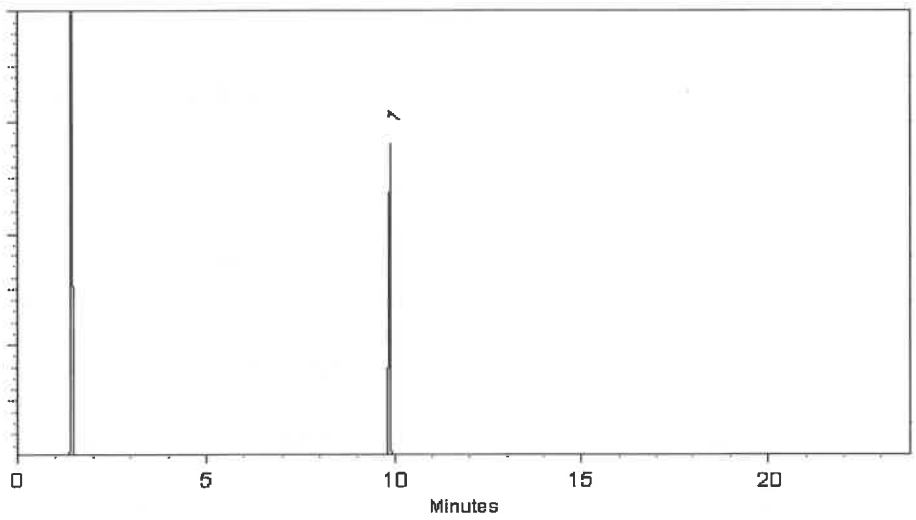
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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.
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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:

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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.)

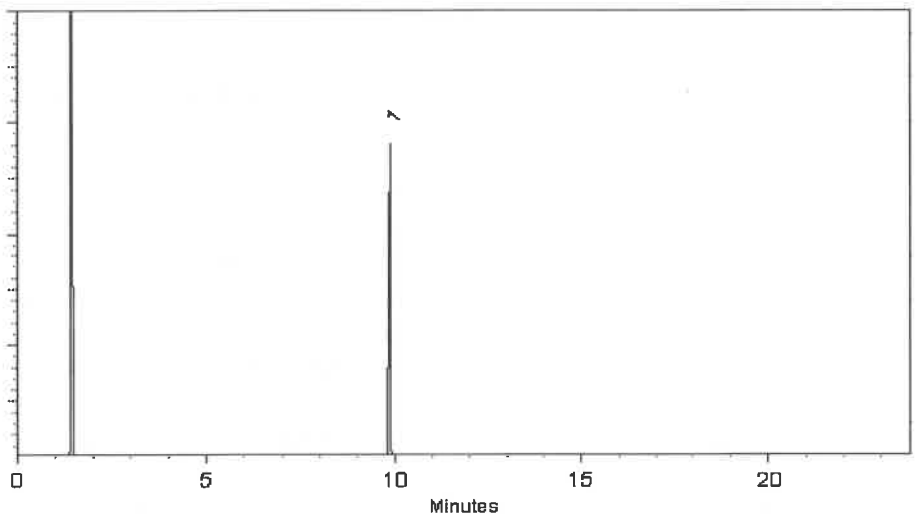
Inj. Temp:
250°C

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.
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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:

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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.)

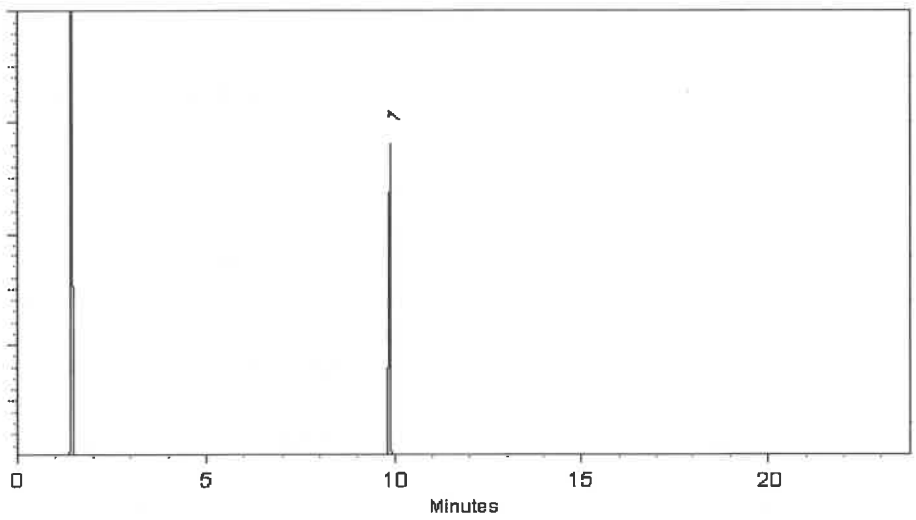
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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:

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- 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:

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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.)

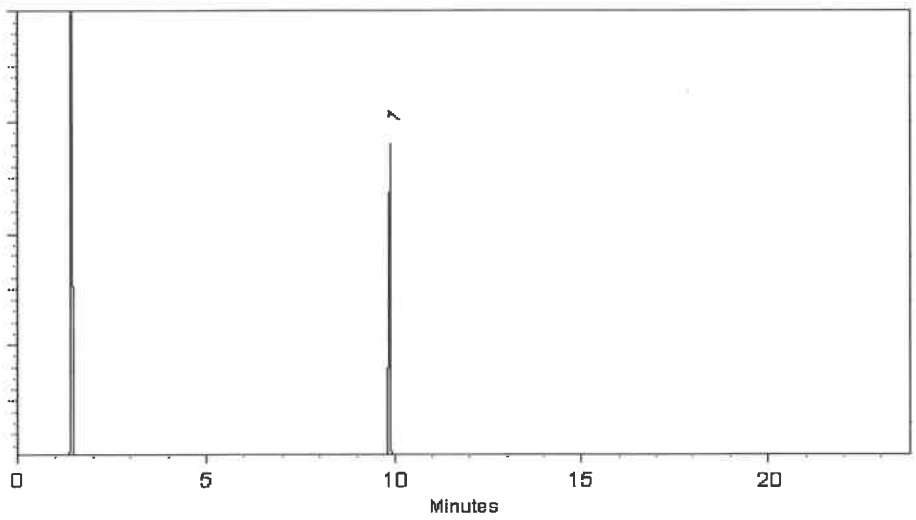
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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:

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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

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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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@ 20°C/min. (hold 10 min.)

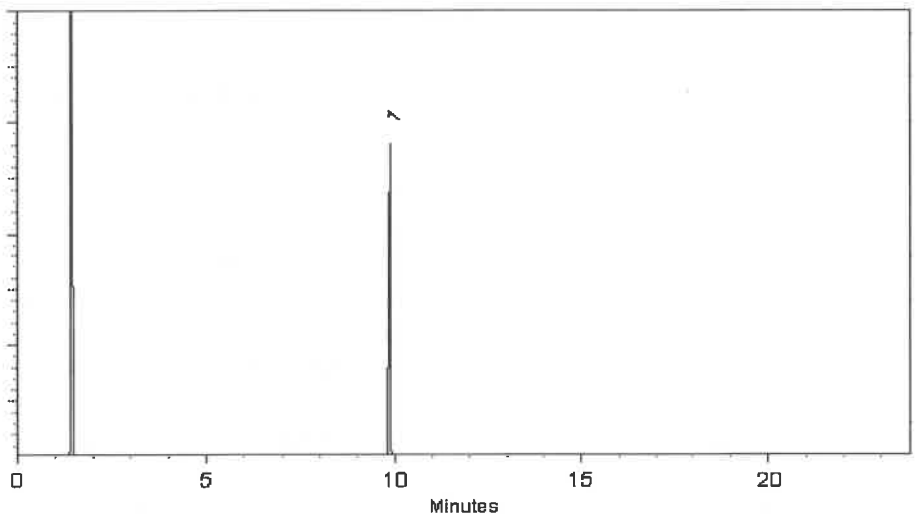
Inj. Temp:
250°C

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

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- 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. : 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.)

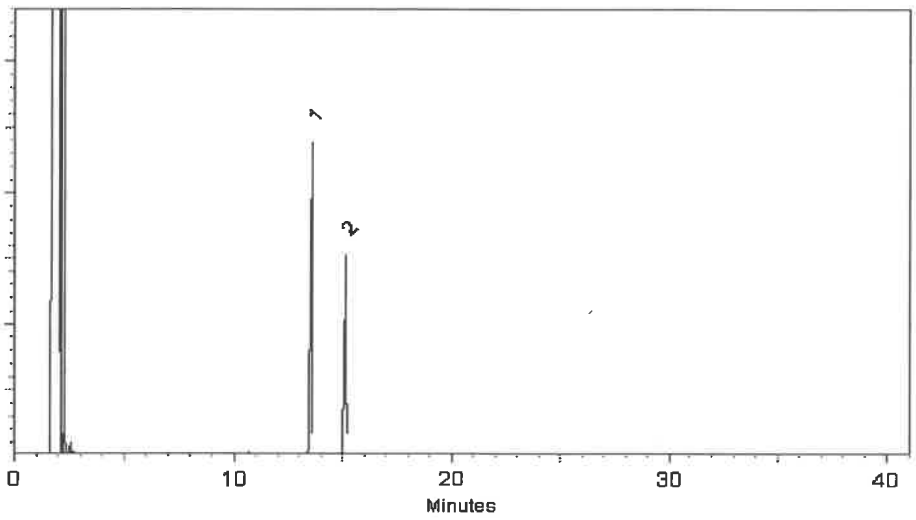
Inj. Temp:
250°C

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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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.)

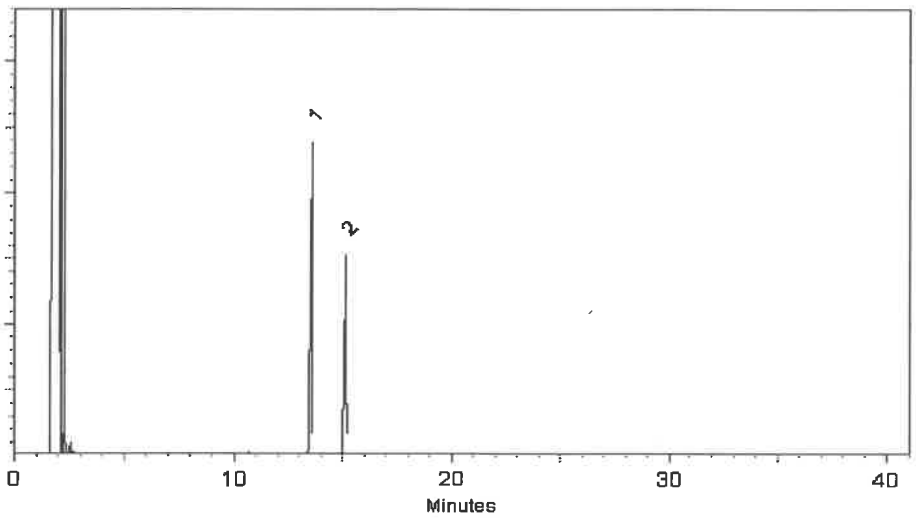
Inj. Temp:
250°C

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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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.)

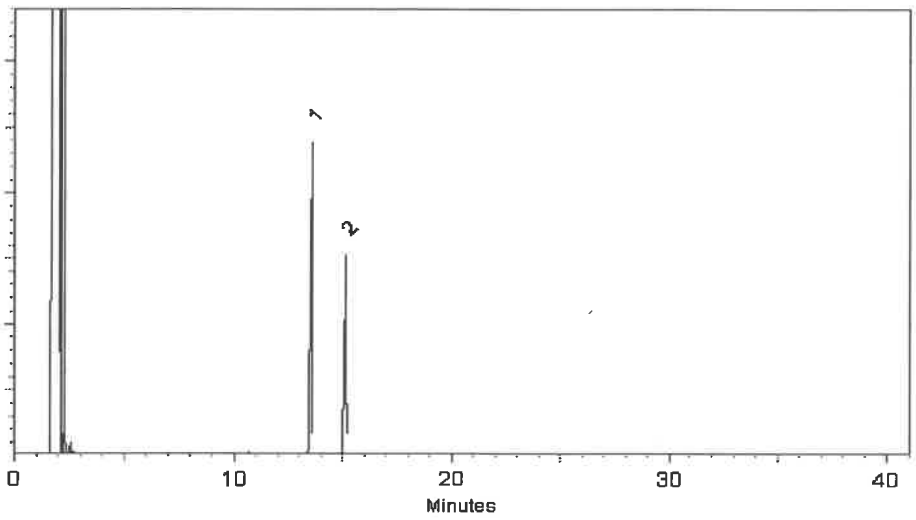
Inj. Temp:
250°C

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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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.)

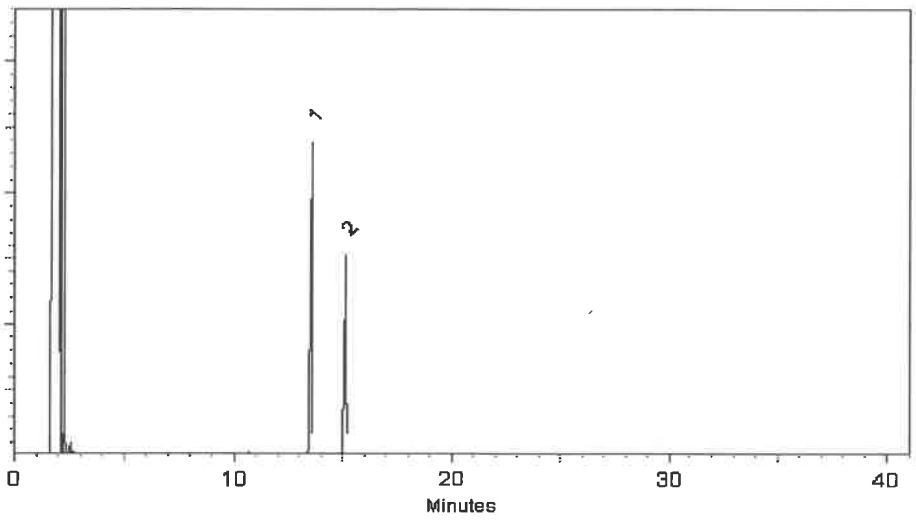
Inj. Temp:
250°C

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.
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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.:** 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.)

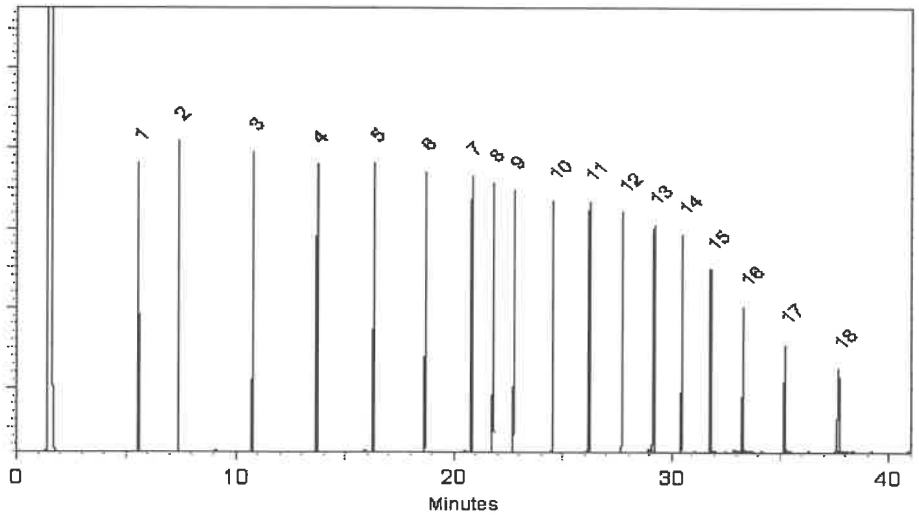
Inj. Temp:
250°C

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 D. Riglin
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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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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. : 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
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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.)

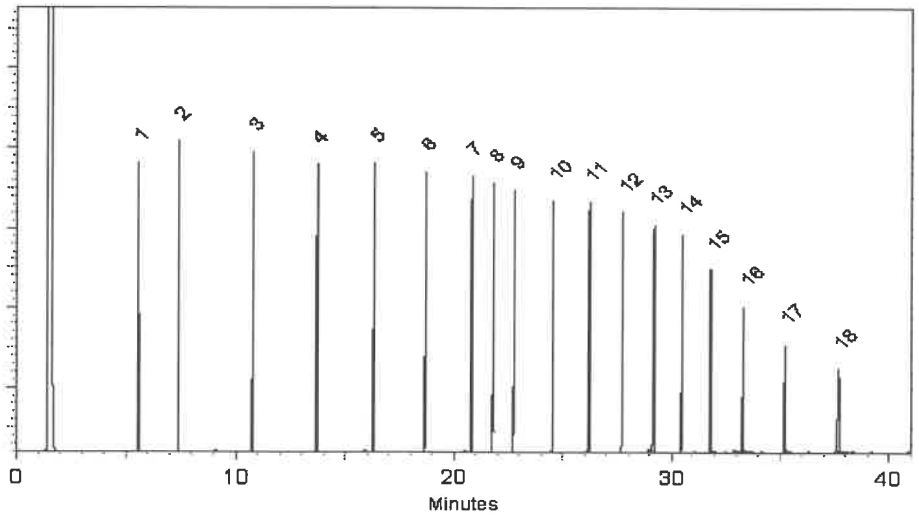
Inj. Temp:
250°C

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 D. Riglin
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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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
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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.)

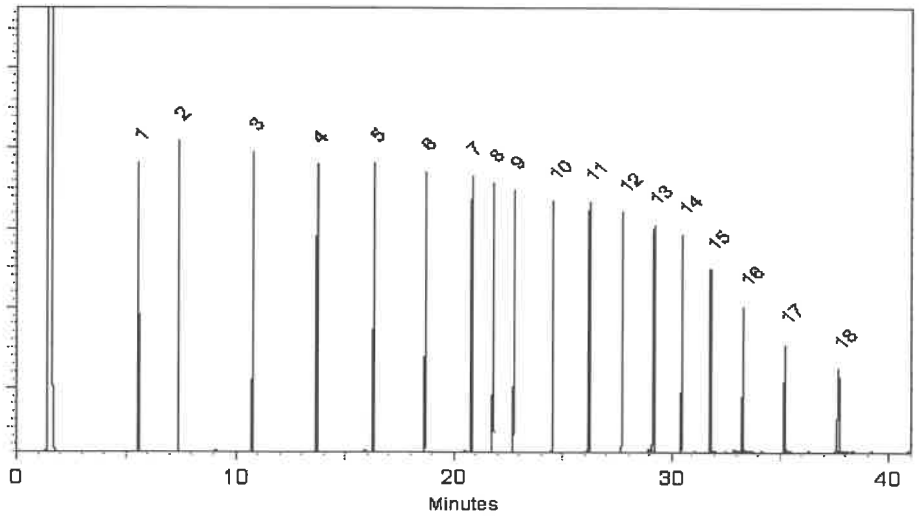
Inj. Temp:
250°C

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 D. Riglin
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 #3222.01

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ISO/IEC 17025 Accredited
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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. : 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
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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.)

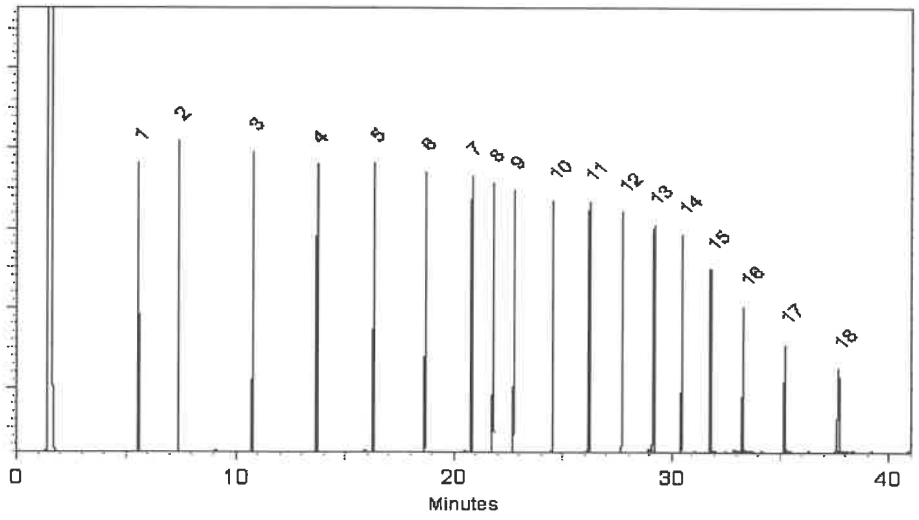
Inj. Temp:
250°C

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 D. Riglin
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 #3222.02

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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.:** 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
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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.)

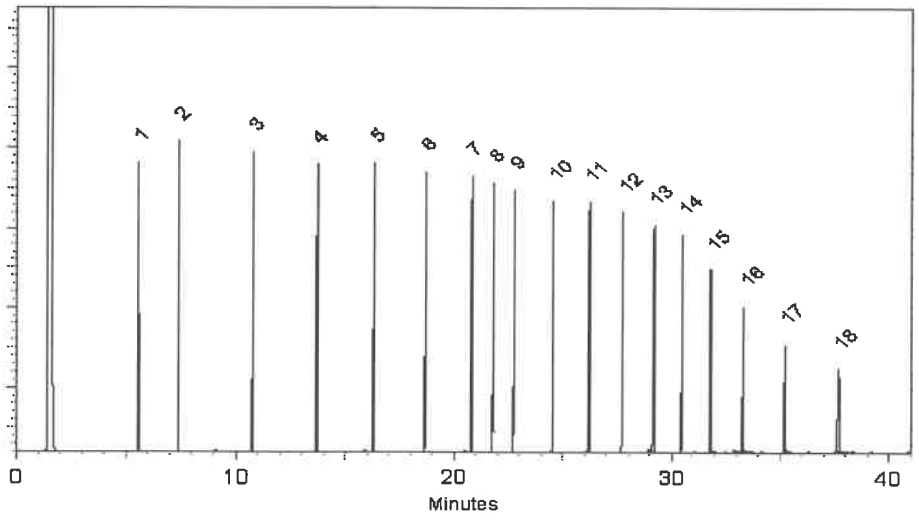
Inj. Temp:
250°C

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 D. Riglin
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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Bellefonte, PA 16823-8812
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Certificate #3222.01

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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. : 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
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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.)

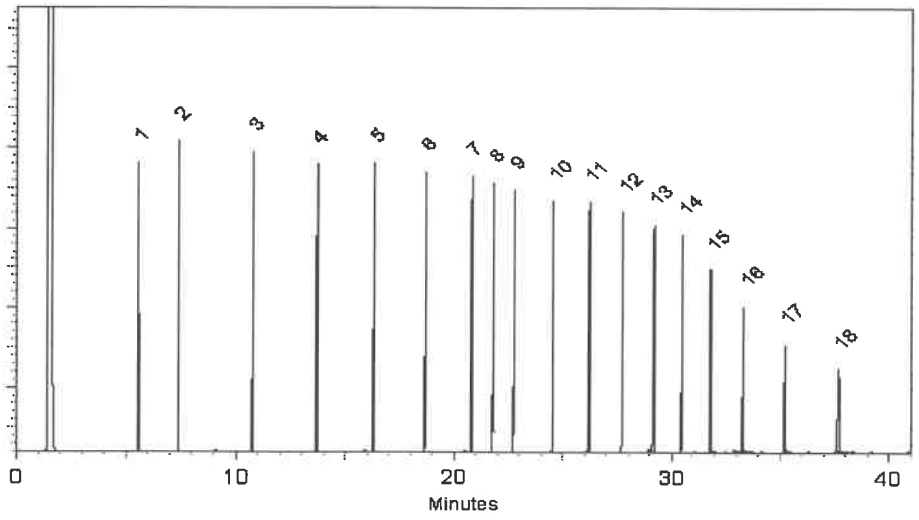
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope D. Riglin
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.
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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:

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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.
- 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. : 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
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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.)

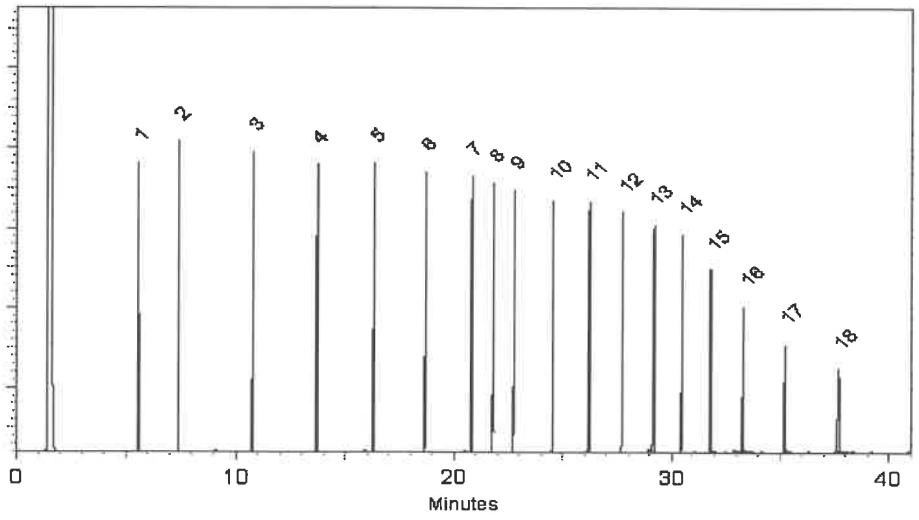
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope D. Riglin
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:

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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.

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- 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. : 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
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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
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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.)

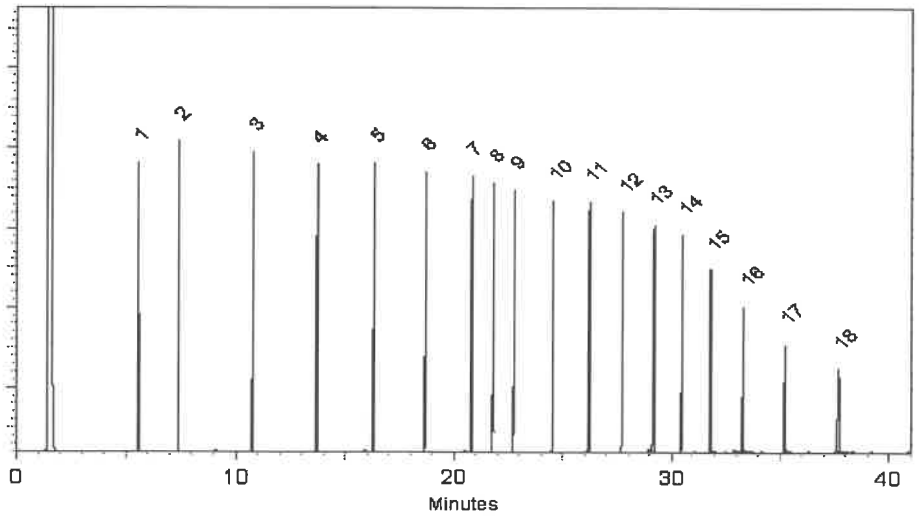
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope D. Riglin
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

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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
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} Y.P. 12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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
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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.)

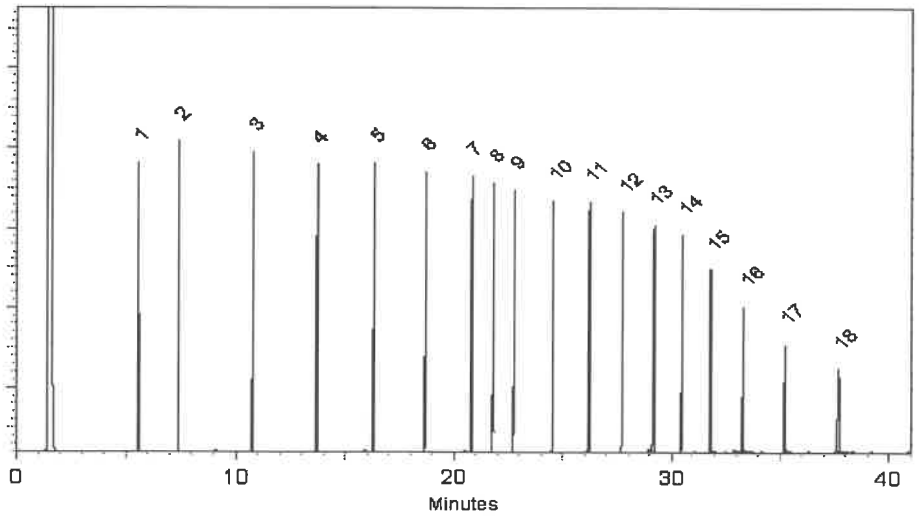
Inj. Temp:
250°C

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 D. Riglin
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 #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.)

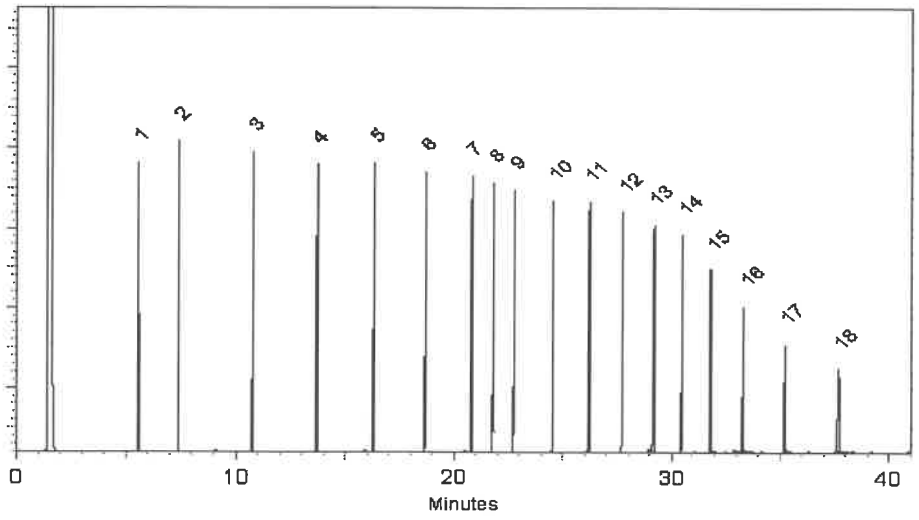
Inj. Temp:
250°C

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 D. Riglin
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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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.)

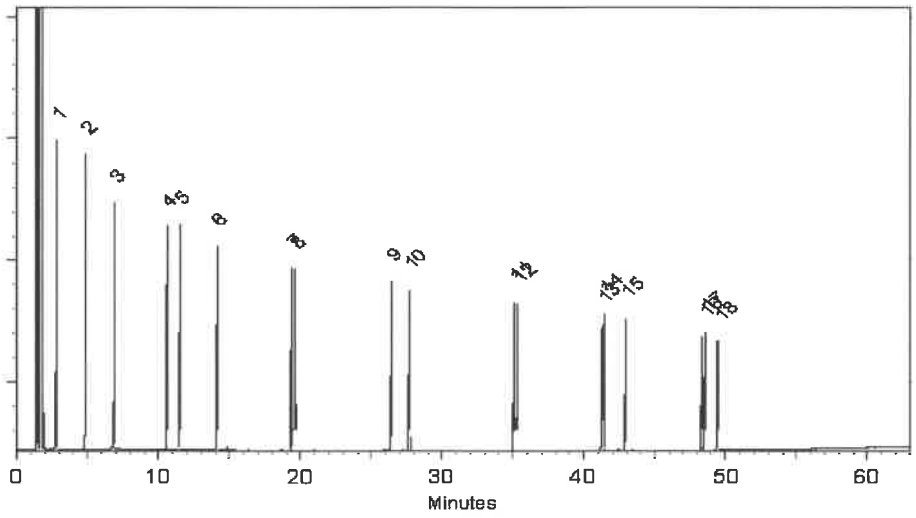
Inj. Temp:
250°C

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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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.)

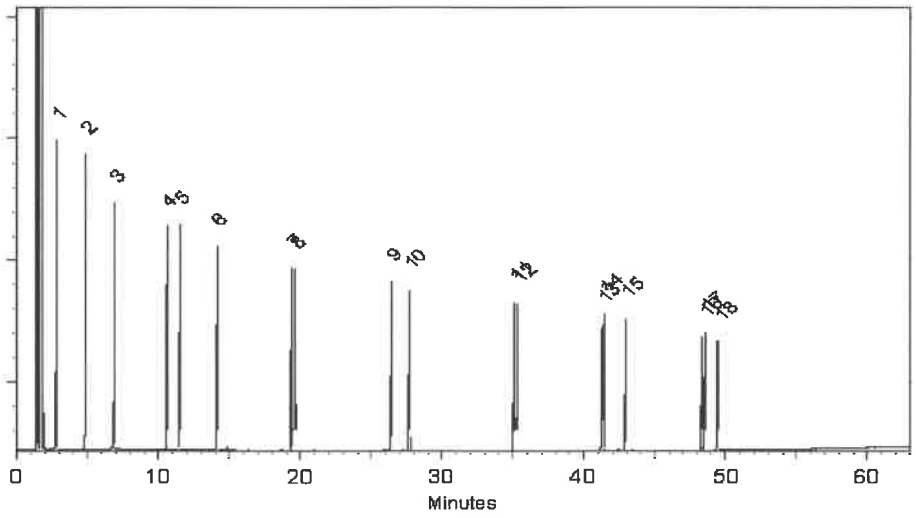
Inj. Temp:
250°C

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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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.)

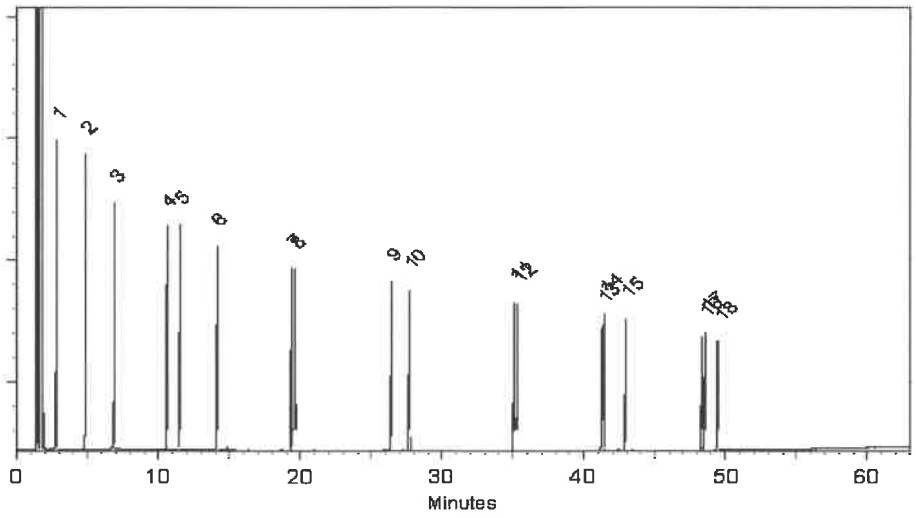
Inj. Temp:
250°C

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.

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Certificate #3222.01

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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.:** 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.)

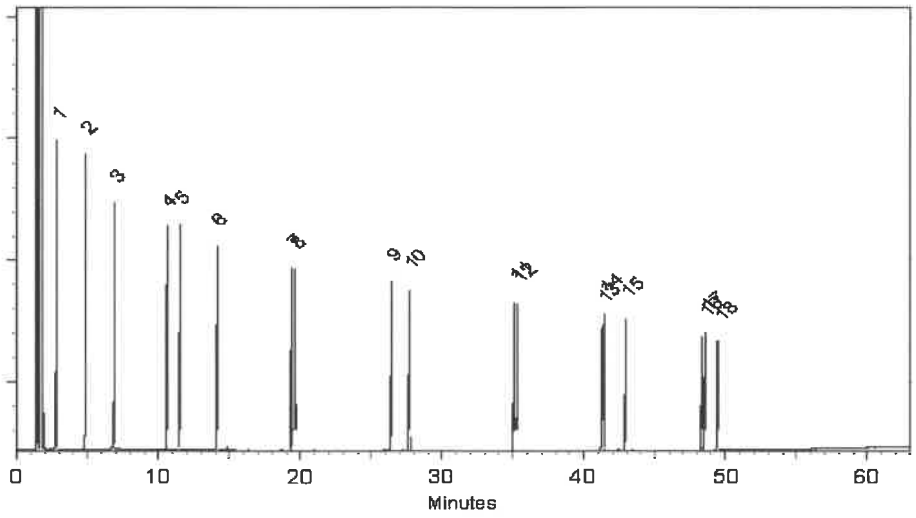
Inj. Temp:
250°C

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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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.)

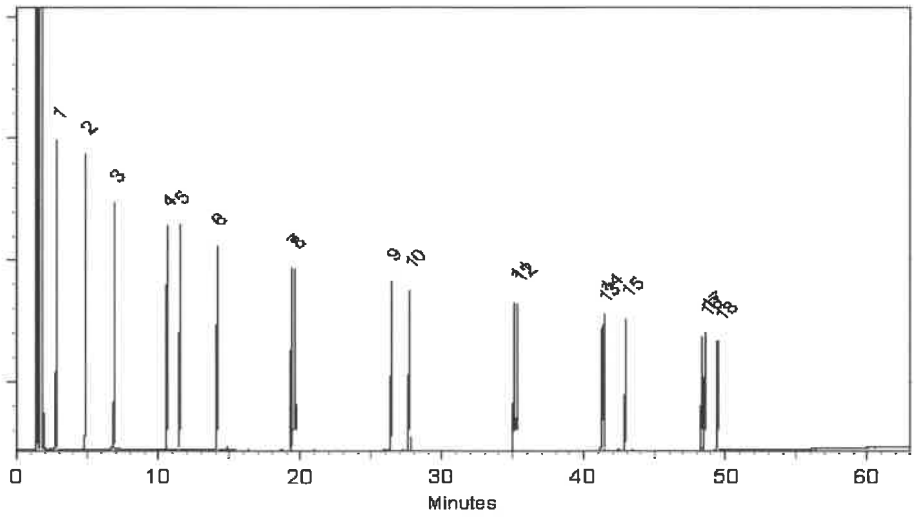
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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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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- Purity of isomeric compounds is reported as the sum of the isomers.
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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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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

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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.)

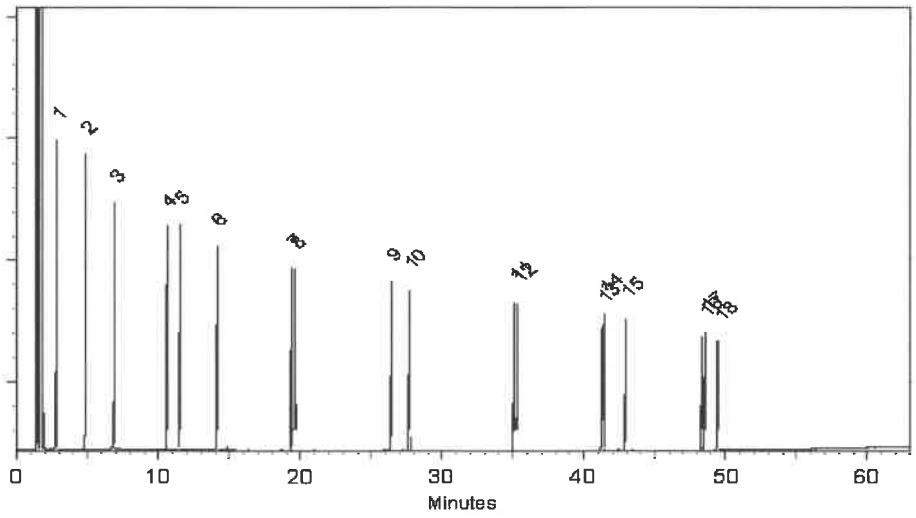
Inj. Temp:
250°C

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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Manufacturing Notes:

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Handling Notes:

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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.)

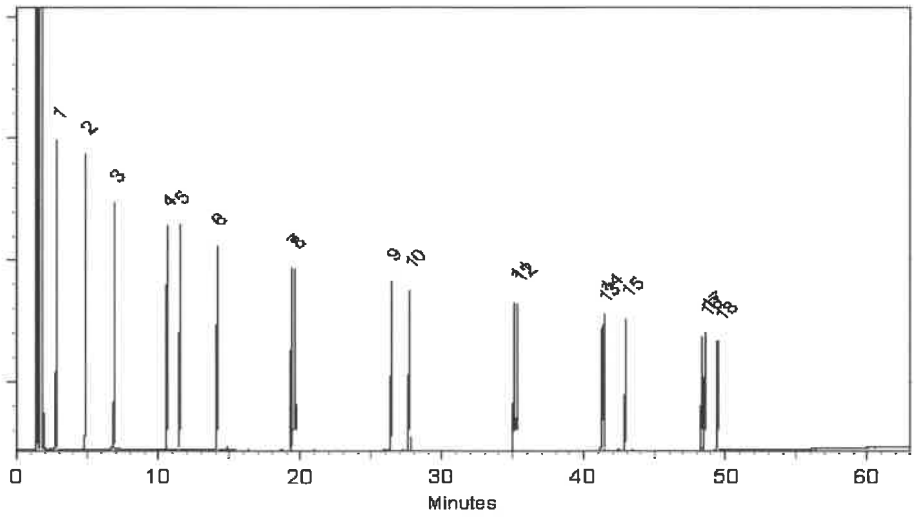
Inj. Temp:
250°C

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.

RESTEK
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chromatographic plus

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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.:** A0220580

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13863 ↓ P13866 } Y.P. 01/08/25

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 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	8776.10-39	98%	201.9 µg/mL	+/- 9.0961
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	RP241029RSR	98%	201.9 µg/mL	+/- 9.0961
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.9 µg/mL	+/- 9.0961
7	Phenanthrene	85-01-8	MKCT3391	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	MKCW9141	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCL8032	99%	201.6 µg/mL	+/- 9.0835
11	Benz(a)anthracene	56-55-3	I220012022BAA	99%	202.0 µg/mL	+/- 9.1015
12	Chrysene	218-01-9	RP240719RSR	99%	202.0 µg/mL	+/- 9.1015
13	Benzo(b)fluoranthene	205-99-2	SBS-BBF-FINAL-2	99%	202.0 µg/mL	+/- 9.1015
14	Benzo(k)fluoranthene	207-08-9	012022K	98%	201.5 µg/mL	+/- 9.0784
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	201.2	µg/mL	+/- 9.0655
18	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	200.3	µg/mL	+/- 9.0255

* 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.)

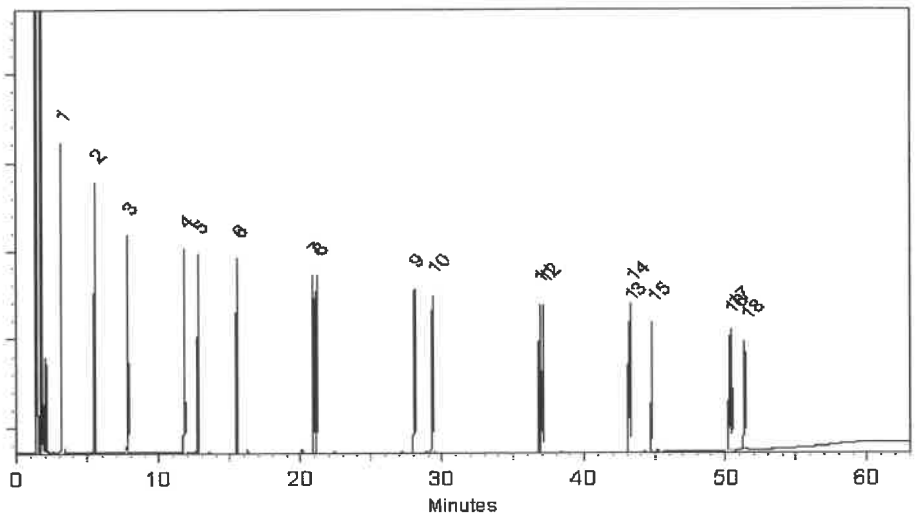
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Ven Kelley - Operations Tech I

Date Mixed: 30-Dec-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Jan-2025

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

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Catalog No. : 30543 **Lot No.:** A0220580

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13863 ↓ P13866 } Y.P. 01/08/25

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 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	8776.10-39	98%	201.9 µg/mL	+/- 9.0961
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	RP241029RSR	98%	201.9 µg/mL	+/- 9.0961
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.9 µg/mL	+/- 9.0961
7	Phenanthrene	85-01-8	MKCT3391	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	MKCW9141	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCL8032	99%	201.6 µg/mL	+/- 9.0835
11	Benz(a)anthracene	56-55-3	I220012022BAA	99%	202.0 µg/mL	+/- 9.1015
12	Chrysene	218-01-9	RP240719RSR	99%	202.0 µg/mL	+/- 9.1015
13	Benzo(b)fluoranthene	205-99-2	SBS-BBF-FINAL-2	99%	202.0 µg/mL	+/- 9.1015
14	Benzo(k)fluoranthene	207-08-9	012022K	98%	201.5 µg/mL	+/- 9.0784
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	201.2	µg/mL	+/- 9.0655
18	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	200.3	µg/mL	+/- 9.0255

* 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.)

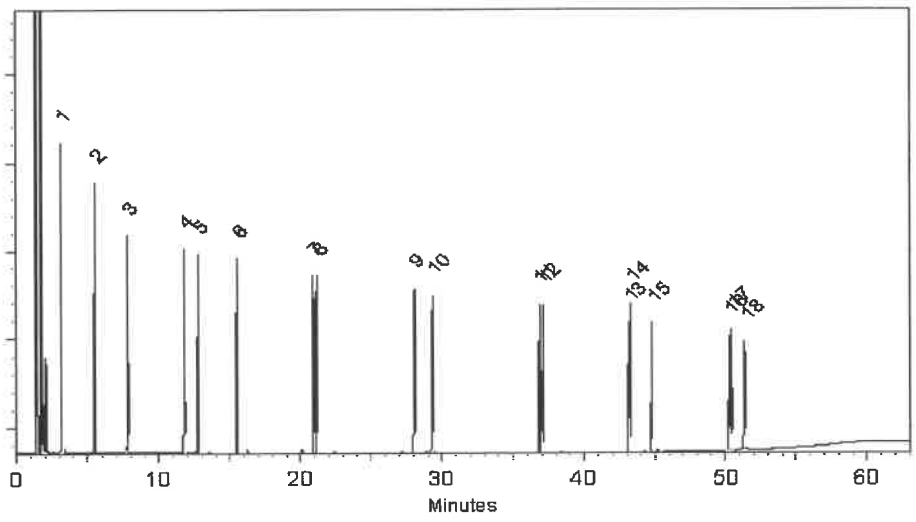
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Ven Kelley - Operations Tech I

Date Mixed: 30-Dec-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Jan-2025

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:

- 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:

- 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. : 30543 **Lot No.:** A0220580

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

P13863 ↓ P13866 } Y.P. 01/08/25

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 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)
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3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	RP241029RSR	98%	201.9 µg/mL	+/- 9.0961
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
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8	Anthracene	120-12-7	MKCW9141	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCL8032	99%	201.6 µg/mL	+/- 9.0835
11	Benz(a)anthracene	56-55-3	I220012022BAA	99%	202.0 µg/mL	+/- 9.1015
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13	Benzo(b)fluoranthene	205-99-2	SBS-BBF-FINAL-2	99%	202.0 µg/mL	+/- 9.1015
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* 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.)

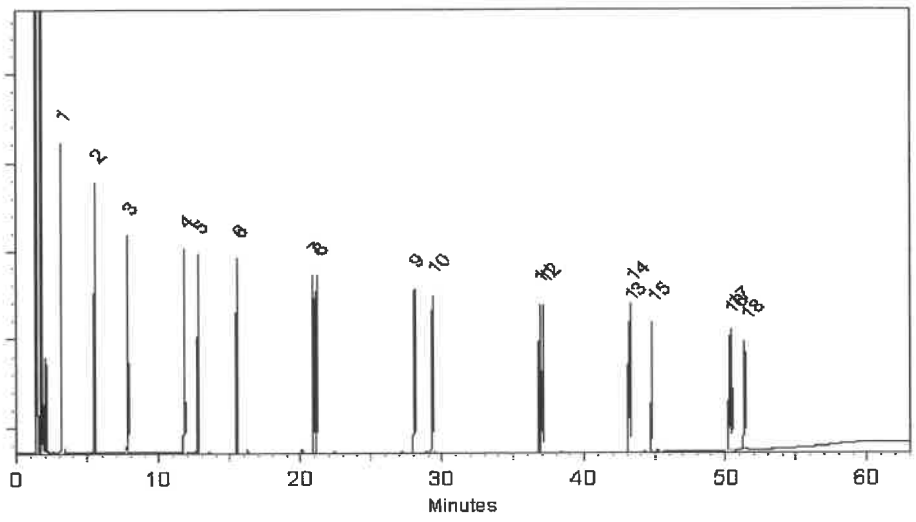
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Ven Kelley - Operations Tech I

Date Mixed: 30-Dec-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- 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.

Certificate of Analysis

ThermoFisher SCIENTIFIC

W3110 SP update: 06/27/2024

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	02/23/2024
Lot Number	235898		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Feb/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	73
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	0.670
EVAPORATION RESIDUE	ppm	<= 1	0.3
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.64
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.16
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.06
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.002
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.380
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

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.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3153
TB
Opyte. 11/25/2024
TB

Certificate of Analysis

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

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 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

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
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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 Production



SHIPPING DOCUMENTS

Q1308

ENTACT

CHAIN OF CUSTODY RECORD

NO. 1 OF 2

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	North Point
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9306

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TPH analysis(EPH Cat2, DRO & GRO) (8015)	COMMENTS
EX-8-TPH-1	TPH	2/5/25	11:00	Soil	G	Teracore / 8oz	2	X	
EX-6-TPH-1	TPH	2/5/25	11:00	Soil	G		2	X	
EX-6-TPH-2	TPH	2/5/25	11:00	Soil	G		2	X	
EX-11-TPH-5	TPH	2/5/25	11:00	Soil	G		2	X	
EX11-TPH-6	TPH	2/5/25	11:00	Soil	G		2	X	
EX-11-TPH-7	TPH	2/5/25	11:00	Soil	G		2	X	
EX-11-TPH-8	TPH	2/5/25	11:00	Soil	G		2	X	
EX-11-TPH-9	TPH	2/5/25	11:00	Soil	G		2	X	
EX-11-TPH-10	TPH	2/5/25	11:00	Soil	G		2	X	

REQUESTED ANALYSIS/METHOD

SAMPLER	A. Farmerie	SHIPMENT	courier	AIRBILL		Temp 3.3°C

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: _____

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:	2-5-25	SIGNATURE:		SIGNATURE:	2-5-25
PRINTED NAME/COMPANY: ENTACT	2-5-25	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY: Jahmir Davis / Alliance	1510
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	2-5-25	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Jahmir Davis / Alliance	1435	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

Q1308

ENTACT

CHAIN OF CUSTODY RECORD

NO. 2 OF 2

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	North Point
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9306

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TPH analysis(EPH Cat2, DRO & GRO) (8015)	COMMENTS
EX-11-TPH-11	TPH	2/5/25	11:00	Soil	G	Teracore / 8oz	2	X	
EX-11-TPH-12	TPH	2/5/25	11:00	Soil	G		2	X	
EX-11-TPH-13	TPH	2/5/25	11:00	Soil	G		2	X	
EX-11-TPH-14	TPH	2/5/25	11:00	Soil	G		2	X	

REQUESTED ANALYSIS/METHOD

SAMPLER	A. Farmerie	SHIPMENT	courier	AIRBILL		Temp 3.3°C

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: _____

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:	2-5-25	SIGNATURE:		SIGNATURE:	2.5.25
PRINTED NAME/COMPANY: ENTACT	2-5-25	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY: Jahmir Davis / Alliance	1510
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	2.5.25	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Jahmir Davis / Alliance	1435	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

CHEMTECH 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