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Cover Page

Order ID : P4599

Project ID : North Point

Client : ENTACT

Lab Sample Number	Client Sample Number
P4599-01	EX-1-TPH-1
P4599-02	EX-1-TPH-2
P4599-03	EX-1-TPH-3
P4599-04	EX-1-TPH-4
P4599-05	EX-1-TPH-5
P4599-06	EX-1-TPH-6
P4599-07	EX-1-TPH-7
P4599-08	EX-1-TPH-8
P4599-09	EX-1-TPH-9

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: 11/7/2024

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 #: **P4599**

	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: **PATEL VAISHALI** **Date:** **11/07/2024**

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LAB CHRONICLE

OrderID:	P4599	**OrderDate:**	10/28/2024 3:59:00 PM
Client:	ENTACT	**Project:**	North Point
Contact:	Wyatt Seel	**Location:**	K63

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4599-01	**EX-1-TPH-1**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/30/24	
			Gasoline Range Organics	8015D			10/29/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-01DL	**EX-1-TPH-1DL**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-01DL2	**EX-1-TPH-1DL2**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-02	**EX-1-TPH-2**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/30/24	
			Gasoline Range Organics	8015D			10/29/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-02DL	**EX-1-TPH-2DL**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-02DL2	**EX-1-TPH-2DL2**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-03	**EX-1-TPH-3**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/30/24	
			Gasoline Range Organics	8015D			10/29/24	
			Gasoline Range Organics	8015D			10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-03DL	**EX-1-TPH-3DL**	**Solid**			**10/28/24**			**10/28/24**

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LAB CHRONICLE

			EPH	NJEPH		10/30/24	10/31/24	
P4599-03DL2	**EX-1-TPH-3DL2**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-04	**EX-1-TPH-4**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/30/24	
			Gasoline Range Organics	8015D			10/29/24	
			Gasoline Range Organics	8015D			10/30/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-04DL	**EX-1-TPH-4DL**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-04DL2	**EX-1-TPH-4DL2**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-05	**EX-1-TPH-5**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/31/24	
			Gasoline Range Organics	8015D			10/29/24	
			Gasoline Range Organics	8015D			10/30/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-05DL	**EX-1-TPH-5DL**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-05DL2	**EX-1-TPH-5DL2**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
			EPH	NJEPH		10/30/24	11/01/24	
P4599-06	**EX-1-TPH-6**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/31/24	
			Gasoline Range Organics	8015D			10/29/24	
			Gasoline Range Organics	8015D			10/30/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	

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LAB CHRONICLE

P4599-06DL	**EX-1-TPH-6DL**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-07	**EX-1-TPH-7**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/30/24	
			Gasoline Range Organics	8015D			10/29/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-08	**EX-1-TPH-8**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/31/24	
			Gasoline Range Organics	8015D			10/29/24	
			Gasoline Range Organics	8015D			10/30/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-08DL	**EX-1-TPH-8DL**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-08DL2	**EX-1-TPH-8DL2**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-09	**EX-1-TPH-9**	**SOIL**			**10/28/24**			**10/28/24**
			Diesel Range Organics	8015D		10/30/24	10/31/24	
			Gasoline Range Organics	8015D			10/29/24	
			Gasoline Range Organics	8015D			10/30/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4599-09DL	**EX-1-TPH-9DL**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	
P4599-09DL2	**EX-1-TPH-9DL2**	**Solid**			**10/28/24**			**10/28/24**
			EPH	NJEPH		10/30/24	10/31/24	



QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4599 SAS No.: P4599 SDG No.: P4599

Run Number: FC103024AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WB-305-BOTMS	95			0
WB-305-BOTMSD	92			0
PB164525BL	71			0
PB164525BS	90			0
PB164525BSD	92			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.: P4599 SAS No.: P4599 SDG No.: P4599

Run Number: FD103024AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WB-305-BOTMS	98	94	69	0
WB-305-BOTMSD	98	94	68	0
PB164525BL	106	106	87	0
PB164525BS	102	105	88	0
PB164525BSD	104	106	89	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.: P4599 SAS No.: P4599 SDG No.: P4599

Run Number: FE103024AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-1-TPH-1	46			0
EX-1-TPH-2	68			0
EX-1-TPH-3	57			0
EX-1-TPH-4	57			0
EX-1-TPH-5	59			0
EX-1-TPH-6	50			0
EX-1-TPH-7	60			0
EX-1-TPH-8	84			0
EX-1-TPH-9	87			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.: P4599 SAS No.: P4599 SDG No.: P4599

Run Number: FE103124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-1-TPH-1DL	0 *			1
EX-1-TPH-2DL	0 *			1
EX-1-TPH-3DL	64			0
EX-1-TPH-3DL2	0 *			1
EX-1-TPH-4DL	64			0
EX-1-TPH-4DL2	0 *			1
EX-1-TPH-5DL	66			0
EX-1-TPH-6DL	52			0
EX-1-TPH-8DL	88			0
EX-1-TPH-8DL2	0 *			1
EX-1-TPH-9DL	95			0
EX-1-TPH-9DL2	0 *			1

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

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4599 SAS No.: P4599 SDG No.: P4599

Run Number: FE110124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-1-TPH-5DL2	0 *			1

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

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4599 SAS No.: P4599 SDG No.: P4599

Run Number: FG103024AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)		2-Flurobiphenyl (SURR)		ortho-Terphenyl (SURR)	TOT OUT
EX-1-TPH-1	138		154	*	49	1
EX-1-TPH-2	155	*	174	*	76	2
EX-1-TPH-3	258	*	170	*	58	2
EX-1-TPH-4	178	*	205	*	63	2
EX-1-TPH-5	176	*	150	*	60	2
EX-1-TPH-6	155	*	139		52	1
EX-1-TPH-7	129		123		52	0
EX-1-TPH-8	215	*	203	*	104	2
EX-1-TPH-9	218	*	197	*	122	2

	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.: P4599 SAS No.: P4599 SDG No.: P4599

Run Number: FG103124AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)		2-Flurobiphenyl (SURR)		ortho-Terphenyl (SURR)		TOT OUT
EX-1-TPH-1DL	146	*	141	*	49		2
EX-1-TPH-1DL2	219	*	212	*	77		2
EX-1-TPH-2DL	168	*	164	*	85		2
EX-1-TPH-2DL2	215	*	214	*	114		2
EX-1-TPH-3DL	242	*	242	*	63		2
EX-1-TPH-3DL2	324	*	288	*	88		2
EX-1-TPH-4DL	198	*	193	*	69		2
EX-1-TPH-4DL2	235	*	226	*	84		2
EX-1-TPH-5DL	206	*	212	*	75		2
EX-1-TPH-5DL2	259	*	259	*	94		2
EX-1-TPH-6DL	164	*	146	*	58		2
EX-1-TPH-8DL	248	*	206	*	132		2
EX-1-TPH-9DL	202	*	188	*	141	*	3
EX-1-TPH-9DL2	217	*	200	*	153	*	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

	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:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : P4578-05MS **Datafile:** FC067573.D

Client ID : WB-305-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	12.2	0	8.45	69		(40-140)
Aliphatic C12-C16	8.1	0	8.05	99		(40-140)
Aliphatic C16-C21	12.2	0	12.4	101		(40-140)
Aliphatic C21-C28	16.2	0	16.8	103		(40-140)
Aliphatic C28-C40	24.4	0	28.8	118		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : P4578-05MSD **Datafile:** FC067574.D

Client ID : WB-305-BOTMSD

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	12.1	0	8.42	69		0 |	(40-140)	25
Aliphatic C12-C16	8.1	0	8.04	99		0.1 |	(40-140)	25
Aliphatic C16-C21	12.1	0	12.5	102		0.99 |	(40-140)	25
Aliphatic C21-C28	16.2	0	16.8	103		0 |	(40-140)	25
Aliphatic C28-C40	24.3	0	29.0	119		0.84 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : P4578-05MS **Datafile:** FD048630.D

Client ID : WB-305-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	8.1	0	4.38	54		(40-140)
Aromatic C12-C16	12.2	0	9.67	79		(40-140)
Aromatic C16-C21	20.3	0	18.9	93		(40-140)
Aromatic C21-C36	32.5	0	29.9	92		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : P4578-05MSD **Datafile:** FD048631.D

Client ID : WB-305-BOTMSD

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	8.1	0	4.11	51		6.11 |	(40-140)	25
Aromatic C12-C16	12.1	0	9.62	79		0.25 |	(40-140)	25
Aromatic C16-C21	20.2	0	18.7	92		0.76 |	(40-140)	25
Aromatic C21-C36	32.4	0	29.7	92		0.44 |	(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:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : PB164525BS **Datafile:** FC067569.D

Client ID : PB164525BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.21	52		(40-140)
Aliphatic C12-C16	6.7	5.06	76		(40-140)
Aliphatic C16-C21	10.0	8.68	87		(40-140)
Aliphatic C21-C28	13.3	11.8	88		(40-140)
Aliphatic C28-C40	20.0	18.9	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:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : PB164525BSD **Datafile:** FC067570.D

Client ID : PB164525BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.29	53		1.6|	(40-140)	50
Aliphatic C12-C16	6.7	5.19	78		2.6|	(40-140)	50
Aliphatic C16-C21	10	8.92	89		2.8|	(40-140)	50
Aliphatic C21-C28	13.3	12.1	91		2.6|	(40-140)	50
Aliphatic C28-C40	20.0	19.2	96		1.6|	(40-140)	50

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Fax : 908 789 8922

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : PB164525BS **Datafile:** FD048624.D

Client ID : PB164525BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.53	53		(40-140)
Aromatic C12-C16	10.0	7.16	72		(40-140)
Aromatic C16-C21	16.7	14.1	85		(40-140)
Aromatic C21-C36	26.7	22.2	83		(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:** P4599 **SAS No :** P4599 **SDG No:** P4599

Sample No : PB164525BSD **Datafile:** FD048625.D

Client ID : PB164525BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	3.57	54		1.1|	(40-140)	50
Aromatic C12-C16	10	7.25	72		1.3|	(40-140)	50
Aromatic C16-C21	16.7	14.4	86		2.2|	(40-140)	50
Aromatic C21-C36	26.6	22.5	84		1.3|	(40-140)	50

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164525BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4599 SAS No.: P4599 SDG NO.: P4599

Instrument ID: FID_C Lab Sample ID: PB164525BL

Matrix: (soil/water) Solid Date Extracted: 10/30/2024 8:20:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164525BS	PB164525BS
PB164525BSD	PB164525BSD
WB-305-BOTMS	P4578-05MS
WB-305-BOTMSD	P4578-05MSD
EX-1-TPH-1	P4599-01
EX-1-TPH-2	P4599-02
EX-1-TPH-3	P4599-03
EX-1-TPH-4	P4599-04
EX-1-TPH-5	P4599-05
EX-1-TPH-6	P4599-06
EX-1-TPH-7	P4599-07
EX-1-TPH-8	P4599-08
EX-1-TPH-9	P4599-09

COMMENTS:



SAMPLE DATA

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Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-1			SDG No.:	P4599
Lab Sample ID:	P4599-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	81.2
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
10/30/24 08:20	10/31/24 15:33	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	170		50	23.4	61.5	mg/kg	FE050944.D
Aliphatic C12-C16	Aliphatic C12-C16	516		50	14.7	41.0	mg/kg	FE050944.D
Aliphatic C16-C21	Aliphatic C16-C21	285		50	18.4	61.5	mg/kg	FE050944.D
Aliphatic C21-C28	Aliphatic C21-C28	16.2		1	0.98	1.64	mg/kg	FE050922.D
Aliphatic C28-C40	Aliphatic C28-C40	5.89		1	2.21	2.46	mg/kg	FE050922.D
Aromatic C10-C12	Aromatic C10-C12	39.6		5	1.84	4.10	mg/kg	FG014598.D
Aromatic C12-C16	Aromatic C12-C16	242		20	8.36	24.6	mg/kg	FG014599.D
Aromatic C16-C21	Aromatic C16-C21	431		20	23.6	41.0	mg/kg	FG014599.D
Aromatic C21-C36	Aromatic C21-C36	18.1		1	2.46	3.28	mg/kg	FG014577.D
Total AliphaticEPH	Total AliphaticEPH	993			59.7	168	mg/kg	
Total AromaticEPH	Total AromaticEPH	731			36.3	73.0	mg/kg	
Total EPH	Total EPH	1720			96.0	241	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:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-1			SDG No.:	P4599
Lab Sample ID:	P4599-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	81.2
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
FE050922.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	146	E	0.47	1.23	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	410	E	0.30	0.82	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	233	E	0.37	1.23	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.2		0.98	1.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.89		2.21	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.8		40 - 140	46%	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:	P4599-01	Acq On:	31 Oct 2024 04:00
Client Sample ID:	EX-1-TPH-1	Operator:	YP\AJ
Data file:	FE050922.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	256367871	1790	300	ug/ml
Aliphatic C12-C16	6.763	10.194	726857867	5010	200	ug/ml
Aliphatic C16-C21	10.195	13.554	411853746	2850	300	ug/ml
Aliphatic C21-C28	13.555	17.208	28025467	197.147	400	ug/ml
Aliphatic C28-C40	17.209	22.057	9943133	71.894	600	ug/ml
Aliphatic EPH	3.144	22.057	1433048084	9920		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	2692972	22.77		ug/ml
Aliphatic C9-C28	3.144	17.208	1423104951	9850	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050922.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 04:00
Operator : YP\AJ
Sample : P4599-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Oct 31 05:20:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.293	2692972	22.765 ug/ml
Spiked Amount 50.000		Recovery = 45.53%	
Target Compounds			

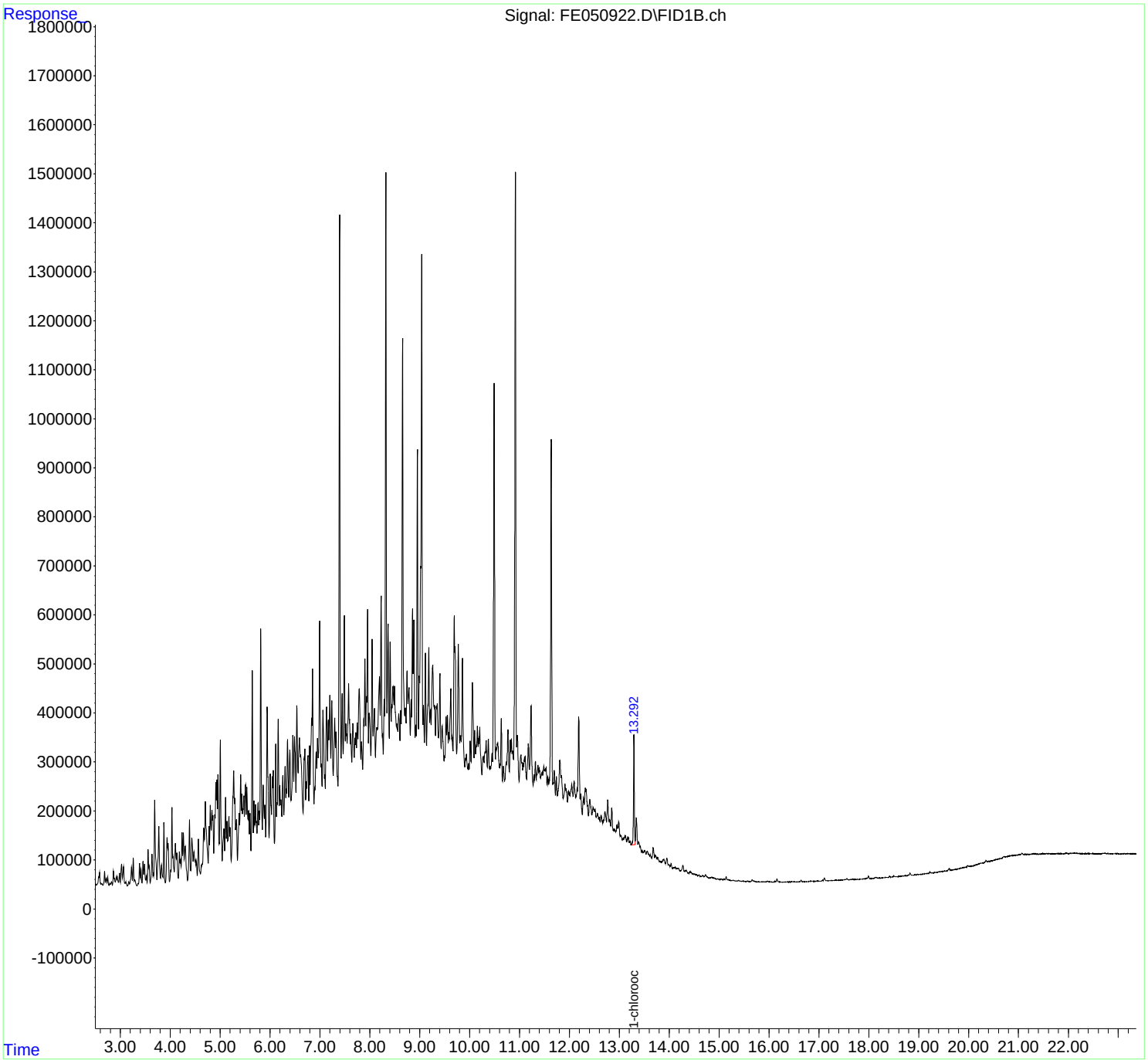
(f)=RT Delta > 1/2 Window (m)=manual int.

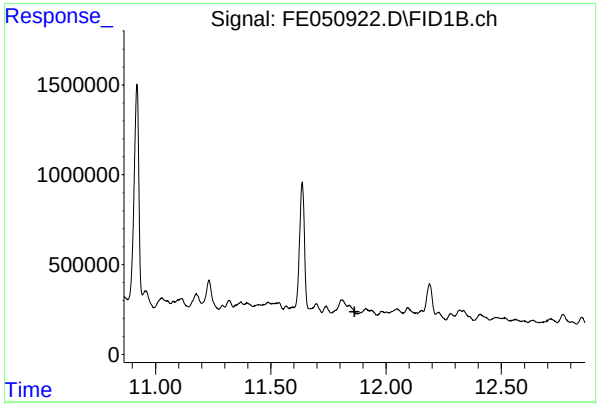
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050922.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 04:00
Operator : YP\AJ
Sample : P4599-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Oct 31 05:20:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

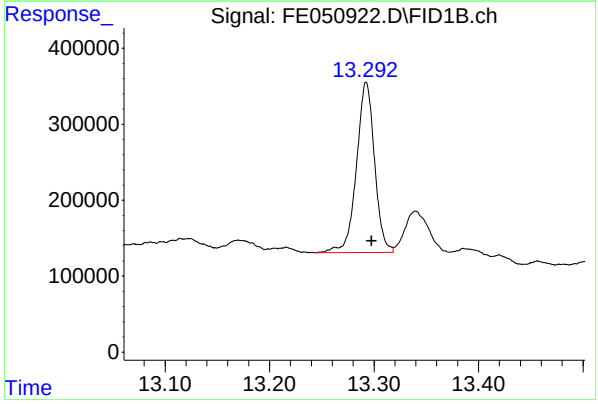




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

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



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.005 min
Response: 2692972
Conc: 22.77 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050922.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 04:00
Sample : P4599-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.584	2.525	2.618	BV	26239	484451	1.50%	0.034%
2	2.630	2.618	2.649	VV	3281	34633	0.11%	0.002%
3	2.685	2.649	2.701	PV	28340	319387	0.99%	0.022%
4	2.717	2.701	2.732	VV	14287	197667	0.61%	0.014%
5	2.747	2.732	2.772	VV	16746	198854	0.61%	0.014%
6	2.789	2.772	2.801	VV	3683	39365	0.12%	0.003%
7	2.824	2.801	2.841	VV	7645	105951	0.33%	0.007%
8	2.863	2.841	2.899	VV	29301	479040	1.48%	0.033%
9	2.936	2.899	2.962	VV	18806	465399	1.44%	0.032%
10	2.984	2.962	2.999	VV	25358	325571	1.01%	0.023%
11	3.024	2.999	3.042	VV	44324	693482	2.14%	0.048%
12	3.065	3.042	3.098	VV	38837	656480	2.03%	0.045%
13	3.110	3.098	3.142	VV	7419	108813	0.34%	0.008%
14	3.169	3.142	3.185	PV	8129	100883	0.31%	0.007%
15	3.224	3.185	3.243	VV	38203	632161	1.95%	0.044%
16	3.260	3.243	3.279	VV	57118	669450	2.07%	0.046%
17	3.289	3.279	3.334	VV	12741	213397	0.66%	0.015%
18	3.385	3.334	3.401	PV	45996	581657	1.80%	0.040%
19	3.414	3.401	3.434	VV	34982	414426	1.28%	0.029%
20	3.455	3.434	3.470	VV	50272	624660	1.93%	0.043%
21	3.485	3.470	3.511	VV	44873	665733	2.06%	0.046%
22	3.524	3.511	3.537	VV	21110	229788	0.71%	0.016%
23	3.557	3.537	3.599	VV	73813	1327665	4.10%	0.092%
24	3.635	3.599	3.667	VV	64676	1246699	3.85%	0.086%
25	3.689	3.667	3.733	VV	174981	2818018	8.71%	0.195%
26	3.771	3.733	3.805	VV	121312	2328353	7.20%	0.161%
27	3.826	3.805	3.854	VV	42346	816387	2.52%	0.057%
28	3.874	3.854	3.902	VV	128170	1424918	4.40%	0.099%
29	3.938	3.902	3.949	VV	98028	1448356	4.48%	0.100%
30	3.957	3.949	3.986	VV	86725	1141979	3.53%	0.079%
31	4.035	3.986	4.081	VV	159815	3049155	9.43%	0.211%
32	4.104	4.081	4.122	VV	86293	1501105	4.64%	0.104%
33	4.134	4.122	4.162	VV	67509	1021890	3.16%	0.071%
34	4.185	4.162	4.218	VV	69380	1544202	4.77%	0.107%
35	4.237	4.218	4.249	VV	107583	1364896	4.22%	0.095%
36	4.265	4.249	4.281	VV	108214	1567036	4.84%	0.109%

rteres

37	4.301	4.281	4.348	VV	80480	1956116	6.05%	0.136%
38	4.387	4.348	4.411	VV	134215	2145311	6.63%	0.149%
39	4.435	4.411	4.460	VV	97207	1990473	6.15%	0.138%
40	4.476	4.460	4.542	VV	68608	2448803	7.57%	0.170%
41	4.564	4.542	4.607	VV	94720	1864096	5.76%	0.129%
42	4.672	4.607	4.685	VV	117590	2898746	8.96%	0.201%
43	4.704	4.685	4.761	VV	171493	4719712	14.59%	0.327%
44	4.778	4.761	4.788	VV	120643	1457042	4.50%	0.101%
45	4.804	4.788	4.822	VV	163353	2583305	7.99%	0.179%
46	4.838	4.822	4.849	VV	153822	2196902	6.79%	0.152%
47	4.855	4.849	4.873	VV	142378	1647605	5.09%	0.114%
48	4.915	4.873	4.924	VV	209741	4442380	13.73%	0.308%
49	4.934	4.924	4.946	VV	215737	2524932	7.81%	0.175%
50	4.958	4.946	4.985	VV	226079	3389023	10.48%	0.235%
51	5.005	4.985	5.043	VV	297083	5178870	16.01%	0.359%
52	5.076	5.043	5.092	VV	115625	2606880	8.06%	0.181%
53	5.110	5.092	5.126	VV	178692	2607624	8.06%	0.181%
54	5.138	5.126	5.155	VV	130574	1842405	5.70%	0.128%
55	5.176	5.155	5.191	VV	139854	2419468	7.48%	0.168%
56	5.200	5.191	5.223	VV	118389	1727173	5.34%	0.120%
57	5.272	5.223	5.310	VV	233069	7865200	24.31%	0.545%
58	5.327	5.310	5.349	VV	134667	2465668	7.62%	0.171%
59	5.381	5.349	5.392	VV	147324	2796788	8.65%	0.194%
60	5.413	5.392	5.449	VV	226633	5949353	18.39%	0.412%
61	5.475	5.449	5.487	VV	182986	3615741	11.18%	0.251%
62	5.508	5.487	5.523	VV	205424	3837491	11.86%	0.266%
63	5.536	5.523	5.559	VV	200605	3645554	11.27%	0.253%
64	5.572	5.559	5.587	VV	152526	2212347	6.84%	0.153%
65	5.599	5.587	5.618	VV	146779	2155402	6.66%	0.149%
66	5.646	5.618	5.665	VV	434949	6386739	19.74%	0.443%
67	5.679	5.665	5.695	VV	172006	2490083	7.70%	0.173%
68	5.710	5.695	5.740	VV	163968	3637060	11.24%	0.252%
69	5.761	5.740	5.775	VV	168281	2958716	9.15%	0.205%
70	5.786	5.775	5.793	VV	151377	1544163	4.77%	0.107%
71	5.815	5.793	5.847	VV	522933	8528083	26.36%	0.591%
72	5.864	5.847	5.887	VV	203938	3852328	11.91%	0.267%
73	5.898	5.887	5.915	VV	163537	2302211	7.12%	0.160%
74	5.944	5.915	5.982	VV	362882	8418329	26.02%	0.583%
75	6.005	5.982	6.031	VV	227342	4899940	15.15%	0.339%
76	6.065	6.031	6.090	VV	233470	6243549	19.30%	0.433%
77	6.115	6.090	6.131	VV	288112	4345448	13.43%	0.301%
78	6.165	6.131	6.185	VV	338127	7056549	21.81%	0.489%
79	6.197	6.185	6.236	VV	203776	5234722	16.18%	0.363%
80	6.257	6.236	6.278	VV	223707	4606805	14.24%	0.319%
81	6.303	6.278	6.319	VV	242785	4797529	14.83%	0.332%
82	6.351	6.319	6.377	VV	296659	7742121	23.93%	0.536%
83	6.398	6.377	6.421	VV	275190	5997171	18.54%	0.416%
84	6.459	6.421	6.477	VV	306018	7754301	23.97%	0.537%
85	6.493	6.477	6.520	VV	302479	6603441	20.41%	0.458%
86	6.539	6.520	6.563	VV	366890	7211098	22.29%	0.500%
87	6.591	6.563	6.663	VV	299935	14522457	44.89%	1.006%
88	6.699	6.663	6.717	VV	275652	7180315	22.20%	0.497%
89	6.729	6.717	6.737	VV	210975	2393306	7.40%	0.166%

90	6.760	6.737	6.778	VV	264253	5738183	17.74%	0.398%
91	6.793	6.778	6.804	VV	282723	3620085	11.19%	0.251%
92	6.854	6.804	6.883	VV	441638	13840999	42.79%	0.959%
93	6.926	6.883	6.938	VV	271280	7370927	22.79%	0.511%
94	6.953	6.938	6.968	VV	298668	4842916	14.97%	0.336%
95	6.995	6.968	7.043	VV	537682	14524318	44.90%	1.006%
96	7.062	7.043	7.108	VV	356871	10320765	31.90%	0.715%
97	7.134	7.108	7.153	VV	363179	8101289	25.04%	0.561%
98	7.169	7.153	7.180	VV	336977	4775018	14.76%	0.331%
99	7.200	7.180	7.219	VV	387294	7810027	24.14%	0.541%
100	7.239	7.219	7.267	VV	375088	8646902	26.73%	0.599%
101	7.298	7.267	7.312	VV	340267	7664192	23.69%	0.531%
102	7.324	7.312	7.362	VV	312233	7837542	24.23%	0.543%
103	7.395	7.362	7.426	VV	1364061	22371478	69.16%	1.550%
104	7.446	7.426	7.467	VV	388887	7936670	24.53%	0.550%
105	7.491	7.467	7.509	VV	550695	9939925	30.73%	0.689%
106	7.521	7.509	7.546	VV	328392	6837942	21.14%	0.474%
107	7.577	7.546	7.610	VV	410086	12799771	39.57%	0.887%
108	7.619	7.610	7.640	VV	308087	5171874	15.99%	0.358%
109	7.662	7.640	7.689	VV	329395	8612254	26.62%	0.597%
110	7.722	7.689	7.735	VV	310119	7939818	24.54%	0.550%
111	7.749	7.735	7.763	VV	330113	5246837	16.22%	0.364%
112	7.789	7.763	7.821	VV	399287	11946467	36.93%	0.828%
113	7.835	7.821	7.858	VV	291305	5913520	18.28%	0.410%
114	7.904	7.858	7.920	VV	460156	12742322	39.39%	0.883%
115	7.957	7.920	7.974	VV	563669	13270032	41.02%	0.919%
116	7.988	7.974	8.022	VV	349110	9063809	28.02%	0.628%
117	8.047	8.022	8.068	VV	500803	10174817	31.45%	0.705%
118	8.095	8.068	8.114	VV	360031	8873725	27.43%	0.615%
119	8.195	8.114	8.209	VV	424101	19610663	60.62%	1.359%
120	8.228	8.209	8.270	VV	586648	14300453	44.21%	0.991%
121	8.323	8.270	8.345	VV	1460021	26969477	83.37%	1.869%
122	8.367	8.345	8.391	VV	531049	11352500	35.09%	0.787%
123	8.409	8.391	8.429	VV	495035	9227307	28.52%	0.639%
124	8.464	8.429	8.485	VV	403381	12462088	38.52%	0.863%
125	8.497	8.485	8.561	VV	404514	15758083	48.71%	1.092%
126	8.581	8.561	8.605	VV	348104	8693211	26.87%	0.602%
127	8.620	8.605	8.630	VV	353814	4975726	15.38%	0.345%
128	8.658	8.630	8.700	VV	1111381	23935061	73.99%	1.658%
129	8.713	8.700	8.727	VV	361303	5689183	17.59%	0.394%
130	8.747	8.727	8.766	VV	435806	8988165	27.79%	0.623%
131	8.786	8.766	8.813	VV	399155	10274499	31.76%	0.712%
132	8.829	8.813	8.838	VV	377771	5221240	16.14%	0.362%
133	8.857	8.838	8.869	VV	561090	8664389	26.78%	0.600%
134	8.885	8.869	8.910	VV	539371	10506446	32.48%	0.728%
135	8.922	8.910	8.931	VV	324348	4071290	12.59%	0.282%
136	8.955	8.931	8.977	VV	886250	14615386	45.18%	1.013%
137	9.042	8.977	9.065	VV	1281932	32348846	100.00%	2.241%
138	9.077	9.065	9.096	VV	365216	6074526	18.78%	0.421%
139	9.116	9.096	9.139	VV	470297	9546590	29.51%	0.661%
140	9.184	9.139	9.202	VV	481987	14265181	44.10%	0.988%
141	9.216	9.202	9.229	VV	356502	5546319	17.15%	0.384%

142	9.260	9.229	9.318	VV	446562	20233387	62.55%	1.402%
143	9.350	9.318	9.378	VV	367866	12184757	37.67%	0.844%
144	9.406	9.378	9.431	VV	430309	10901813	33.70%	0.755%
145	9.452	9.431	9.490	VV	322787	10435128	32.26%	0.723%
146	9.529	9.490	9.542	VV	340421	9005215	27.84%	0.624%
147	9.557	9.542	9.574	VV	344588	6104886	18.87%	0.423%
148	9.584	9.574	9.593	VV	309369	3527151	10.90%	0.244%
149	9.625	9.593	9.667	VV	398237	14354932	44.38%	0.995%
150	9.694	9.667	9.742	VV	544360	18022871	55.71%	1.249%
151	9.776	9.742	9.805	VV	488598	13472773	41.65%	0.933%
152	9.814	9.805	9.830	VV	302768	4527120	13.99%	0.314%
153	9.858	9.830	9.903	VV	460790	14190225	43.87%	0.983%
154	9.937	9.903	9.968	VV	265046	9772277	30.21%	0.677%
155	9.982	9.968	9.991	VV	246043	3284624	10.15%	0.228%
156	10.012	9.991	10.031	VV	291074	6344564	19.61%	0.440%
157	10.058	10.031	10.089	VV	410699	11462185	35.43%	0.794%
158	10.103	10.089	10.121	VV	312970	5619380	17.37%	0.389%
159	10.158	10.121	10.172	VV	321830	8737178	27.01%	0.605%
160	10.182	10.172	10.191	VV	296603	3384531	10.46%	0.234%
161	10.205	10.191	10.247	VV	320615	9154877	28.30%	0.634%
162	10.271	10.247	10.290	VV	258330	6297659	19.47%	0.436%
163	10.333	10.290	10.357	VV	291002	10665307	32.97%	0.739%
164	10.378	10.357	10.402	VV	295265	7116828	22.00%	0.493%
165	10.413	10.402	10.423	VV	239862	2943896	9.10%	0.204%
166	10.450	10.423	10.460	VV	264838	5514466	17.05%	0.382%
167	10.493	10.460	10.519	VV	1025042	19952732	61.68%	1.382%
168	10.559	10.519	10.605	VV	286075	13673213	42.27%	0.947%
169	10.636	10.605	10.659	VV	338139	8725756	26.97%	0.605%
170	10.678	10.659	10.703	VV	239607	5836430	18.04%	0.404%
171	10.770	10.703	10.798	VV	315345	14402031	44.52%	0.998%
172	10.817	10.798	10.828	VV	293697	4835104	14.95%	0.335%
173	10.840	10.828	10.881	VV	294679	8660653	26.77%	0.600%
174	10.919	10.881	10.945	VV	1446854	26445118	81.75%	1.832%
175	10.957	10.945	10.993	VV	302491	7651143	23.65%	0.530%
176	11.028	10.993	11.065	VV	262376	10408435	32.18%	0.721%
177	11.113	11.065	11.143	VV	259464	11302534	34.94%	0.783%
178	11.177	11.143	11.201	VV	284670	8668263	26.80%	0.601%
179	11.232	11.201	11.275	VV	361737	11777854	36.41%	0.816%
180	11.291	11.275	11.300	VV	221658	3238044	10.01%	0.224%
181	11.319	11.300	11.338	VV	249225	5205871	16.09%	0.361%
182	11.370	11.338	11.384	VV	241524	6297482	19.47%	0.436%
183	11.396	11.384	11.423	VV	234789	5302776	16.39%	0.367%
184	11.449	11.423	11.459	VV	225643	4879958	15.09%	0.338%
185	11.488	11.459	11.503	VV	238460	5964482	18.44%	0.413%
186	11.535	11.503	11.553	VV	237387	6925995	21.41%	0.480%
187	11.567	11.553	11.580	VV	217263	3417643	10.56%	0.237%
188	11.596	11.580	11.600	VV	211926	2410092	7.45%	0.167%
189	11.636	11.600	11.668	VV	903685	18400146	56.88%	1.275%
190	11.697	11.668	11.721	VV	230268	6698559	20.71%	0.464%
191	11.740	11.721	11.761	VV	218932	4718522	14.59%	0.327%
192	11.808	11.761	11.832	VV	251112	9215819	28.49%	0.639%
193	11.840	11.832	11.878	VV	221307	5401876	16.70%	0.374%
194	11.912	11.878	11.961	VV	202933	9310260	28.78%	0.645%

195	11.981	11.961	12.012	VV	187861	5503928	17.01%	0.381%
196	12.048	12.012	12.073	VV	202287	6953994	21.50%	0.482%
197	12.094	12.073	12.137	VV	207620	7192539	22.23%	0.498%
198	12.189	12.137	12.216	VV	339885	10985654	33.96%	0.761%
199	12.227	12.216	12.259	VV	182395	4261541	13.17%	0.295%
200	12.281	12.259	12.297	VV	174858	3678951	11.37%	0.255%
201	12.319	12.297	12.329	VV	194619	3558973	11.00%	0.247%
202	12.336	12.329	12.382	VV	192284	5177204	16.00%	0.359%
203	12.408	12.382	12.450	VV	170732	6331090	19.57%	0.439%
204	12.476	12.450	12.505	VV	153345	4844599	14.98%	0.336%
205	12.516	12.505	12.538	VV	150656	2871867	8.88%	0.199%
206	12.562	12.538	12.586	VV	142260	3967473	12.26%	0.275%
207	12.597	12.586	12.615	VV	134504	2317886	7.17%	0.161%
208	12.633	12.615	12.663	VV	135311	3735021	11.55%	0.259%
209	12.713	12.663	12.743	VV	145407	6421904	19.85%	0.445%
210	12.767	12.743	12.826	VV	169582	6846274	21.16%	0.474%
211	12.849	12.826	12.881	VV	154378	4275304	13.22%	0.296%
212	12.892	12.881	12.928	VV	110611	3039198	9.40%	0.211%
213	12.958	12.928	12.972	VV	117190	2958832	9.15%	0.205%
214	12.989	12.972	13.074	VV	125491	6217927	19.22%	0.431%
215	13.120	13.074	13.149	VV	96755	4170419	12.89%	0.289%
216	13.171	13.149	13.198	VV	94589	2617098	8.09%	0.181%
217	13.215	13.198	13.245	VV	85057	2289513	7.08%	0.159%
218	13.293	13.245	13.318	VV	302236	6156028	19.03%	0.427%
219	13.340	13.318	13.373	VV	132847	3453326	10.68%	0.239%
220	13.388	13.373	13.443	VV	83086	3141650	9.71%	0.218%
221	13.457	13.443	13.488	VV	66861	1723551	5.33%	0.119%
222	13.505	13.488	13.538	VV	66786	1898206	5.87%	0.132%
223	13.562	13.538	13.608	VV	64568	2558958	7.91%	0.177%
224	13.619	13.608	13.650	VV	57547	1359273	4.20%	0.094%
225	13.679	13.650	13.708	VV	72020	2104146	6.50%	0.146%
226	13.723	13.708	13.755	VV	56819	1491755	4.61%	0.103%
227	13.769	13.755	13.846	VV	52587	2524050	7.80%	0.175%
228	13.892	13.846	13.922	VV	49001	2045164	6.32%	0.142%
229	13.952	13.922	14.016	VV	50183	2303861	7.12%	0.160%
230	14.037	14.016	14.075	VV	39777	1185899	3.67%	0.082%
231	14.088	14.075	14.106	VV	31840	592816	1.83%	0.041%
232	14.121	14.106	14.142	VV	32416	660928	2.04%	0.046%
233	14.184	14.142	14.230	VV	30261	1453261	4.49%	0.101%
234	14.273	14.230	14.306	VV	35813	1293661	4.00%	0.090%
235	14.338	14.306	14.376	VV	25255	968306	2.99%	0.067%
236	14.384	14.376	14.391	VV	19591	173959	0.54%	0.012%
237	14.425	14.391	14.465	VV	22097	907743	2.81%	0.063%
238	14.479	14.465	14.497	VV	18969	346994	1.07%	0.024%
239	14.509	14.497	14.534	VV	18296	385918	1.19%	0.027%
240	14.548	14.534	14.581	VV	16749	441650	1.37%	0.031%
241	14.599	14.581	14.643	VV	15974	518636	1.60%	0.036%
242	14.671	14.643	14.701	VV	14362	465074	1.44%	0.032%
243	14.729	14.701	14.793	VV	15876	691258	2.14%	0.048%
244	14.849	14.793	14.866	VV	10629	438788	1.36%	0.030%
245	14.875	14.866	14.940	VV	10358	394845	1.22%	0.027%
246	14.973	14.940	15.019	VV	7691	338912	1.05%	0.023%

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247	15.043	15.019	15.079	VV	7237	235791	0.73%	0.016%
248	15.097	15.079	15.115	VV	7325	139160	0.43%	0.010%
249	15.140	15.115	15.168	VV	12171	258111	0.80%	0.018%
250	15.177	15.168	15.245	VV	5786	230629	0.71%	0.016%
251	15.281	15.245	15.321	VV	4787	185152	0.57%	0.013%
252	15.342	15.321	15.362	VV	3354	78372	0.24%	0.005%
253	15.389	15.362	15.452	VV	3951	170735	0.53%	0.012%
254	15.474	15.452	15.539	VV	2886	123636	0.38%	0.009%
255	15.562	15.539	15.635	VV	2654	116151	0.36%	0.008%
256	15.660	15.635	15.768	VV	5520	199744	0.62%	0.014%
257	15.791	15.768	15.818	VV	1287	32392	0.10%	0.002%
258	15.878	15.818	15.901	VV	1111	45706	0.14%	0.003%
259	15.915	15.901	15.938	VV	1036	19824	0.06%	0.001%
260	15.969	15.938	16.024	VV	2131	67204	0.21%	0.005%
261	16.036	16.024	16.045	VV	785	8841	0.03%	0.001%
262	16.048	16.045	16.071	VV	781	8655	0.03%	0.001%
263	16.121	16.071	16.137	VV	2222	41885	0.13%	0.003%
264	16.159	16.137	16.237	VV	6951	124999	0.39%	0.009%
265	16.254	16.237	16.264	VV	229	1840	0.01%	0.000%
266	16.301	16.264	16.318	PV	172	2955	0.01%	0.000%
267	16.344	16.318	16.408	VV	688	18535	0.06%	0.001%
268	16.419	16.408	16.430	VV	215	2218	0.01%	0.000%
269	16.477	16.430	16.510	VV	970	27296	0.08%	0.002%
270	16.520	16.510	16.531	VV	566	5544	0.02%	0.000%
271	16.540	16.531	16.562	VV	360	3507	0.01%	0.000%
272	16.604	16.562	16.614	PV	486	6046	0.02%	0.000%
273	16.643	16.614	16.700	VV	3304	49937	0.15%	0.003%
274	16.758	16.700	16.771	PV	195	3375	0.01%	0.000%
275	16.855	16.771	16.922	PV	711	32882	0.10%	0.002%
276	16.983	16.922	17.002	VV	457	14671	0.05%	0.001%
277	17.109	17.002	17.148	VV	6064	118944	0.37%	0.008%
278	17.159	17.148	17.177	VV	422	4875	0.02%	0.000%
279	17.212	17.177	17.235	PV	339	7299	0.02%	0.001%
280	17.347	17.235	17.373	VV	994	32752	0.10%	0.002%
281	17.444	17.373	17.458	PV	489	11535	0.04%	0.001%
282	17.521	17.458	17.535	VV	1070	24411	0.08%	0.002%
283	17.559	17.535	17.608	VV	2892	52005	0.16%	0.004%
284	17.672	17.608	17.713	VV	990	29081	0.09%	0.002%
285	17.728	17.713	17.737	VV	341	2426	0.01%	0.000%
286	17.763	17.737	17.798	VV	332	5622	0.02%	0.000%
287	17.847	17.798	17.871	PV	278	6612	0.02%	0.000%
288	17.892	17.871	17.907	PV	647	8681	0.03%	0.001%
289	17.993	17.907	18.025	VV	5385	113218	0.35%	0.008%
290	18.040	18.025	18.052	VV	255	3712	0.01%	0.000%
291	18.135	18.052	18.218	VV	2207	62375	0.19%	0.004%
292	18.341	18.218	18.352	PV	395	11230	0.03%	0.001%
293	18.417	18.352	18.442	VV	2529	36779	0.11%	0.003%
294	18.502	18.442	18.554	PV	2446	47277	0.15%	0.003%
295	18.612	18.554	18.638	VV	556	6896	0.02%	0.000%
296	18.731	18.638	18.744	PV	310	16783	0.05%	0.001%
297	18.826	18.744	18.862	PV	4766	92648	0.29%	0.006%
298	18.924	18.862	18.945	VV	1010	13115	0.04%	0.001%
299	18.971	18.945	18.990	PV	650	8999	0.03%	0.001%

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300	19.144	18.990	19.161	VV	509	11318	0.03%	0.001%
301	19.223	19.161	19.245	PV	2619	42205	0.13%	0.003%
302	19.256	19.245	19.273	VV	719	8052	0.02%	0.001%
303	19.324	19.273	19.338	PV	460	3737	0.01%	0.000%
304	19.482	19.338	19.490	VV	332	23917	0.07%	0.002%
305	19.608	19.490	19.668	VV	4259	98711	0.31%	0.007%
306	19.985	19.668	20.008	VV	4584	308284	0.95%	0.021%
307	20.033	20.008	20.041	VV	2805	54012	0.17%	0.004%
308	20.256	20.041	20.271	VV	5898	563541	1.74%	0.039%
309	20.350	20.271	20.375	VV	9900	433810	1.34%	0.030%
310	20.707	20.375	20.728	VV	12878	1887984	5.84%	0.131%
311	20.891	20.728	20.918	VV	12162	1371067	4.24%	0.095%
312	20.939	20.918	20.948	VV	12010	211140	0.65%	0.015%
313	21.071	20.948	21.115	VV	13887	1220136	3.77%	0.085%
314	21.145	21.115	21.161	VV	10941	304836	0.94%	0.021%
315	21.192	21.161	21.208	VV	10357	288770	0.89%	0.020%
316	21.299	21.208	21.309	VV	9794	587181	1.82%	0.041%
317	21.318	21.309	21.379	VV	9440	370626	1.15%	0.026%
318	21.387	21.379	21.421	VV	7954	194319	0.60%	0.013%
319	21.488	21.421	21.524	VV	7510	429996	1.33%	0.030%
320	21.583	21.524	21.645	VV	6085	417265	1.29%	0.029%
321	21.651	21.645	21.693	VV	4627	123067	0.38%	0.009%
322	21.717	21.693	21.728	VV	3671	77525	0.24%	0.005%
323	21.809	21.728	21.821	VV	2778	173573	0.54%	0.012%
324	21.831	21.821	21.905	VV	2497	88591	0.27%	0.006%
325	21.957	21.905	21.995	VV	1779	56014	0.17%	0.004%

Sum of corrected areas: 1443313207

Aliphatic EPH 100824.M Thu Oct 31 05:52:02 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-1		SDG No.:	P4599	
Lab Sample ID:	P4599-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.2	
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
FG014577.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	37.6	E	0.37	0.82	mg/kg
Aromatic C12-C16	Aromatic C12-C16	177	E	0.42	1.23	mg/kg
Aromatic C16-C21	Aromatic C16-C21	320	E	1.18	2.05	mg/kg
Aromatic C21-C36	Aromatic C21-C36	18.1		2.46	3.28	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	69.1		40 - 140	138%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	77.0		40 - 140	154%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.3		40 - 140	49%	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:	P4599-01	Acq On:	30 Oct 2024 17:09
Client Sample ID:	EX-1-TPH-1	Operator:	YP\AJ
Data file:	FG014577.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	64037916	459.067	200	ug/ml
Aromatic C12-C16	6.390	9.089	314996646	2170	300	ug/ml
Aromatic C16-C21	9.090	13.408	566632044	3910	500	ug/ml
Aromatic C21-C36	13.409	18.851	31328172	220.405	800	ug/ml
Aromatic EPH	4.519	18.851	976994778	6760		ug/ml
ortho-Terphenyl (SURR)	11.967	11.967	3603616	24.34		ug/ml
2-Bromonaphthalene (SURR)	8.021	8.021	8676460	69.12		ug/ml
2-Flurobiphenyl (SURR)	8.899	8.899	6635609	77.04		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014577.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:09
Operator : YP\AJ
Sample : P4599-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 31 06:43:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.021	8676460	69.116 ug/mlm
Spiked Amount 50.000		Recovery = 138.23%	
6) S 2-Flurobiphenyl (SURR)	8.899	6635609	77.037 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 154.07%#	
11) S ortho-Terphenyl (SURR)	11.967	3603616	24.339 ug/mlm
Spiked Amount 50.000		Recovery = 48.68%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014577.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:09
Operator : YP\AJ
Sample : P4599-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

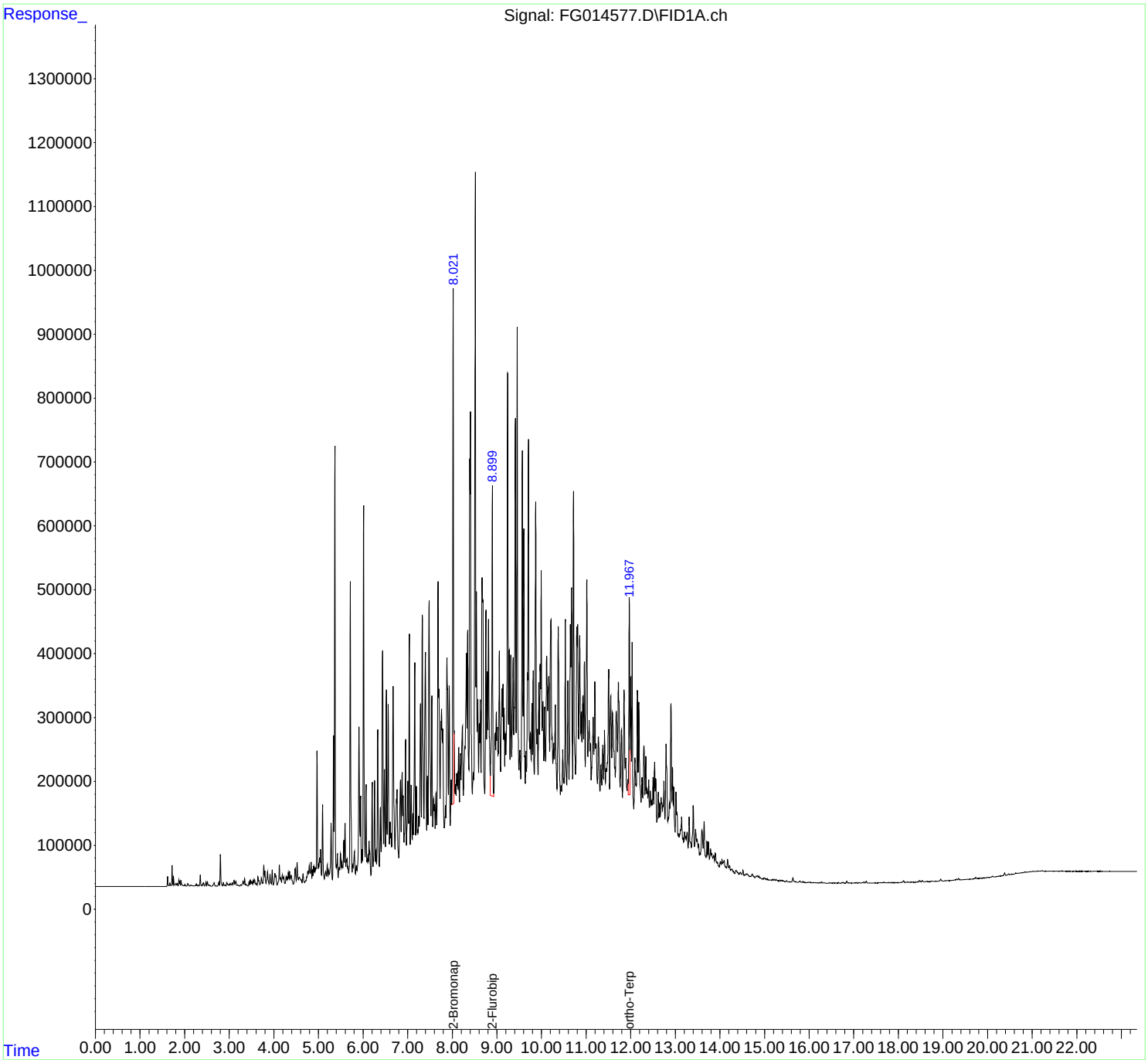
Integration File: autoint1.e
Quant Time: Oct 31 06:43:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

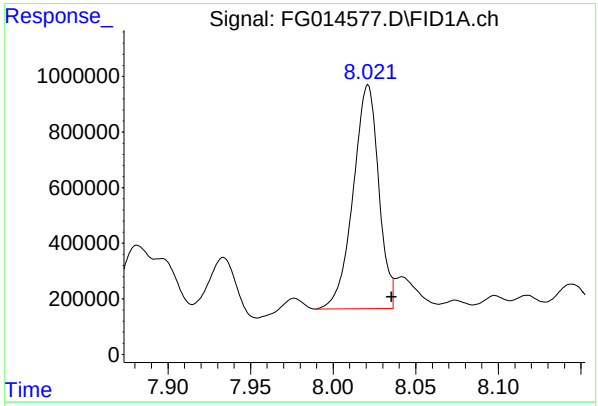
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1

Manual Integrations APPROVED

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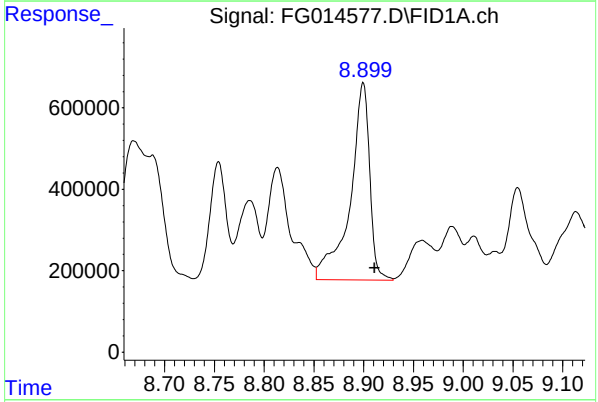
#4 2-Bromonaphthalene (SURR)

R.T.: 8.021 min
Delta R.T.: -0.015 min
Response: 8676460
Conc: 69.12 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1

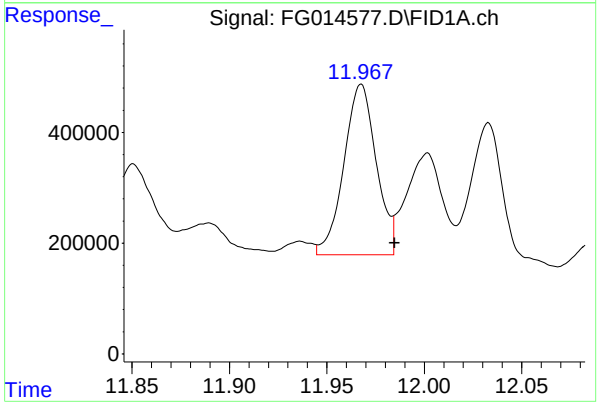
Manual Integrations
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Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.899 min
Delta R.T.: -0.012 min
Response: 6635609
Conc: 77.04 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.967 min
Delta R.T.: -0.018 min
Response: 3603616
Conc: 24.34 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014577.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:09
Sample : P4599-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.286	BV	11114	119687	0.71%	0.012%
2	4.297	4.286	4.309	VV	10668	123813	0.74%	0.012%
3	4.325	4.309	4.338	VV	18135	212104	1.26%	0.021%
4	4.353	4.338	4.369	VV	19981	257610	1.53%	0.026%
5	4.391	4.369	4.435	VV	13735	300199	1.78%	0.030%
6	4.478	4.435	4.504	PV	24713	430006	2.55%	0.043%
7	4.522	4.504	4.549	VV	34595	480742	2.86%	0.048%
8	4.566	4.549	4.576	VV	10847	152240	0.90%	0.015%
9	4.581	4.576	4.607	VV	10256	160824	0.96%	0.016%
10	4.615	4.607	4.633	VV	7553	85495	0.51%	0.009%
11	4.654	4.633	4.680	VV	16254	248532	1.48%	0.025%
12	4.687	4.680	4.696	VV	3354	30375	0.18%	0.003%
13	4.714	4.696	4.721	VV	5747	68775	0.41%	0.007%
14	4.737	4.721	4.742	VV	11493	116422	0.69%	0.012%
15	4.762	4.742	4.779	VV	20429	369877	2.20%	0.037%
16	4.795	4.779	4.815	VV	30019	488449	2.90%	0.049%
17	4.837	4.815	4.853	VV	34981	495822	2.95%	0.050%
18	4.866	4.853	4.878	VV	23223	255687	1.52%	0.026%
19	4.892	4.878	4.911	VV	28664	446610	2.65%	0.045%
20	4.925	4.911	4.935	VV	25781	337434	2.00%	0.034%
21	4.945	4.935	4.950	VV	25378	206509	1.23%	0.021%
22	4.969	4.950	4.991	VV	208932	2291002	13.61%	0.231%
23	5.003	4.991	5.012	VV	31694	368459	2.19%	0.037%
24	5.025	5.012	5.034	VV	41667	477252	2.84%	0.048%
25	5.047	5.034	5.071	VV	54798	744560	4.42%	0.075%
26	5.093	5.071	5.133	VV	124239	1616372	9.60%	0.163%
27	5.162	5.133	5.180	VV	20019	430750	2.56%	0.043%
28	5.197	5.180	5.215	VV	31020	446316	2.65%	0.045%
29	5.229	5.215	5.244	VV	22019	298564	1.77%	0.030%
30	5.285	5.244	5.314	VV	95382	1486381	8.83%	0.150%
31	5.339	5.314	5.352	VV	232959	2384989	14.17%	0.240%
32	5.369	5.352	5.398	VV	685168	7088306	42.12%	0.713%
33	5.406	5.398	5.411	VV	28403	206614	1.23%	0.021%
34	5.425	5.411	5.442	VV	48115	583376	3.47%	0.059%
35	5.466	5.442	5.478	VV	26339	461989	2.74%	0.046%
36	5.496	5.478	5.514	VV	48305	801082	4.76%	0.081%

Instrument :
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37	5.525	5.514	5.539	VV	35607	450821	2.68%	0.045%
38	5.544	5.539	5.547	VV	26353	133822	[illegible]	
39	5.569	5.547	5.581	VV	69169	933261	[illegible]	
40	5.597	5.581	5.614	VV	95464	1196518	[illegible]	
41	5.626	5.614	5.630	VV	36250	304431	[illegible]	
42	5.640	5.630	5.656	VV	39651	536161	[illegible]	
43	5.662	5.656	5.677	VV	26997	302387	1.80%	0.030%
44	5.715	5.677	5.756	VV	473324	6292253	37.39%	0.633%
45	5.771	5.756	5.781	VV	30421	393187	2.34%	0.040%
46	5.807	5.781	5.831	VV	51567	1030792	6.12%	0.104%
47	5.851	5.831	5.864	VV	29402	485828	2.89%	0.049%
48	5.910	5.864	5.934	VV	246140	4159004	24.71%	0.418%
49	5.946	5.934	5.965	VV	138129	1610385	9.57%	0.162%
50	5.978	5.965	5.990	VV	54566	693904	4.12%	0.070%
51	6.012	5.990	6.048	VV	592141	7371904	43.80%	0.742%
52	6.068	6.048	6.085	VV	156058	1888886	11.22%	0.190%
53	6.091	6.085	6.099	VV	37285	292279	1.74%	0.029%
54	6.112	6.099	6.122	VV	47477	560577	3.33%	0.056%
55	6.135	6.122	6.147	VV	67366	824034	4.90%	0.083%
56	6.153	6.147	6.177	VV	49498	589627	3.50%	0.059%
57	6.205	6.177	6.224	VV	159678	1920655	11.41%	0.193%
58	6.260	6.224	6.277	VV	162847	2450358	14.56%	0.247%
59	6.288	6.277	6.304	VV	52868	665125	3.95%	0.067%
60	6.330	6.304	6.366	VV	242037	3576643	21.25%	0.360%
61	6.388	6.366	6.407	VV	120445	1745269	10.37%	0.176%
62	6.438	6.407	6.465	VV	365771	6619119	39.33%	0.666%
63	6.480	6.465	6.504	VV	179230	2631762	15.64%	0.265%
64	6.522	6.504	6.539	VV	304463	3573271	21.23%	0.360%
65	6.565	6.539	6.592	VV	281854	4716641	28.02%	0.475%
66	6.609	6.592	6.620	VV	97865	1355672	8.05%	0.136%
67	6.628	6.620	6.642	VV	79956	944229	5.61%	0.095%
68	6.675	6.642	6.716	VV	310163	6576747	39.08%	0.662%
69	6.749	6.716	6.753	VV	133822	2152760	12.79%	0.217%
70	6.763	6.753	6.802	VV	148183	2543839	15.11%	0.256%
71	6.839	6.802	6.855	VV	163116	3365125	19.99%	0.339%
72	6.876	6.855	6.890	VV	174680	2798590	16.63%	0.282%
73	6.900	6.890	6.918	VV	138719	1833720	10.90%	0.185%
74	6.953	6.918	6.973	VV	226790	4045438	24.04%	0.407%
75	7.007	6.973	7.020	VV	161642	3138586	18.65%	0.316%
76	7.038	7.020	7.058	VV	391374	4638540	27.56%	0.467%
77	7.079	7.058	7.103	VV	155455	2863366	17.01%	0.288%
78	7.116	7.103	7.127	VV	110928	1331140	7.91%	0.134%
79	7.160	7.127	7.179	VV	346533	5606364	33.31%	0.564%
80	7.197	7.179	7.218	VV	153416	2578963	15.32%	0.259%
81	7.226	7.218	7.232	VV	83444	692002	4.11%	0.070%
82	7.247	7.232	7.260	VV	106830	1608478	9.56%	0.162%
83	7.288	7.260	7.309	VV	282435	5054738	30.03%	0.509%
84	7.328	7.309	7.366	VV	421338	7985718	47.45%	0.803%
85	7.398	7.366	7.428	VV	362766	8141638	48.37%	0.819%
86	7.442	7.428	7.457	VV	169171	2209032	13.13%	0.222%
87	7.480	7.457	7.523	VV	443499	9610185	57.10%	0.967%
88	7.543	7.523	7.563	VV	295072	4392804	26.10%	0.442%
89	7.582	7.563	7.595	VV	134121	2230686	13.25%	0.224%

Instrument :
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EX-1-TPH-1

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90	7.605	7.595	7.618	VV	125365	1566853	9.31%	0.158%
91	7.635	7.618	7.651	VV	142888	2287122	13	
92	7.682	7.651	7.696	VV	473453	7194909	42	
93	7.702	7.696	7.728	VV	305450	4591347	27	
94	7.744	7.728	7.750	VV	255099	2771570	16	
95	7.761	7.750	7.778	VV	273989	4197796	24	
96	7.789	7.778	7.822	VV	242771	4314348	25.63%	0.434%
97	7.849	7.822	7.860	VV	123195	2408213	14.31%	0.242%
98	7.881	7.860	7.915	VV	353313	8175048	48.57%	0.823%
99	7.934	7.915	7.954	VV	310232	4736927	28.15%	0.477%
100	7.977	7.954	7.989	VV	163162	2721926	16.17%	0.274%
101	8.021	7.989	8.064	VV	929696	15428695	91.67%	1.552%
102	8.074	8.064	8.085	VV	156099	1834623	10.90%	0.185%
103	8.098	8.085	8.107	VV	172643	2127599	12.64%	0.214%
104	8.117	8.107	8.128	VV	173502	2043377	12.14%	0.206%
105	8.144	8.128	8.163	VV	213552	3647432	21.67%	0.367%
106	8.180	8.163	8.196	VV	204102	3458335	20.55%	0.348%
107	8.228	8.196	8.249	VV	247328	6283468	37.33%	0.632%
108	8.282	8.249	8.288	VV	215579	4293228	25.51%	0.432%
109	8.319	8.288	8.332	VV	361100	7387497	43.89%	0.743%
110	8.344	8.332	8.372	VV	397053	6550471	38.92%	0.659%
111	8.394	8.372	8.400	VV	665019	7573353	45.00%	0.762%
112	8.409	8.400	8.449	VV	738787	10958277	65.11%	1.103%
113	8.474	8.449	8.482	VV	174916	3223224	19.15%	0.324%
114	8.518	8.482	8.532	VV	1107564	16830332	100.00%	1.693%
115	8.542	8.532	8.559	VV	457850	5641560	33.52%	0.568%
116	8.572	8.559	8.592	VV	289436	4895868	29.09%	0.493%
117	8.606	8.592	8.615	VV	251446	3006554	17.86%	0.303%
118	8.628	8.615	8.646	VV	289071	4469548	26.56%	0.450%
119	8.669	8.646	8.729	VV	479788	15554342	92.42%	1.565%
120	8.754	8.729	8.769	VV	428720	6628053	39.38%	0.667%
121	8.786	8.769	8.798	VV	332972	5072127	30.14%	0.510%
122	8.813	8.798	8.852	VV	414532	8952216	53.19%	0.901%
123	8.900	8.852	8.930	VV	623712	13069337	77.65%	1.315%
124	8.959	8.930	8.974	VV	235443	5222901	31.03%	0.526%
125	8.989	8.974	9.002	VV	269459	4072266	24.20%	0.410%
126	9.011	9.002	9.024	VV	245718	3047716	18.11%	0.307%
127	9.032	9.024	9.037	VV	208005	1577562	9.37%	0.159%
128	9.055	9.037	9.084	VV	364714	7370168	43.79%	0.742%
129	9.113	9.084	9.125	VV	305549	6262399	37.21%	0.630%
130	9.137	9.125	9.150	VV	313161	4099899	24.36%	0.413%
131	9.160	9.150	9.176	VV	275942	3824384	22.72%	0.385%
132	9.190	9.176	9.203	VV	234993	3434206	20.40%	0.346%
133	9.241	9.203	9.261	VV	800969	14276236	84.82%	1.436%
134	9.275	9.261	9.296	VV	366037	6156139	36.58%	0.619%
135	9.314	9.296	9.332	VV	358671	5894304	35.02%	0.593%
136	9.365	9.332	9.379	VV	355417	7680903	45.64%	0.773%
137	9.414	9.379	9.431	VV	727607	12599153	74.86%	1.268%
138	9.457	9.431	9.497	VV	871077	15202845	90.33%	1.530%
139	9.516	9.497	9.535	VV	208016	4441519	26.39%	0.447%
140	9.572	9.535	9.587	VV	678525	11456891	68.07%	1.153%
141	9.603	9.587	9.637	VV	555087	9159056	54.42%	0.922%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1

Manual IntegrationsAPPROVED

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142	9.652	9.637	9.665	VV	207886	3170339	18.84%	0.319%
143	9.685	9.665	9.690	VV	329305	3822151	22	
144	9.709	9.690	9.739	VV	695882	11715135	69	
145	9.751	9.739	9.770	VV	236087	4160695	24	
146	9.788	9.770	9.801	VV	283005	4280202	25	
147	9.815	9.801	9.838	VV	334008	5508479	32	
148	9.870	9.838	9.896	VV	597566	11857172	70.45%	1.193%
149	9.907	9.896	9.923	VV	241963	3513440	20.88%	0.354%
150	9.941	9.923	9.953	VV	315439	4691717	27.88%	0.472%
151	9.969	9.953	9.979	VV	344119	4709978	27.99%	0.474%
152	9.994	9.979	10.014	VV	490809	7530492	44.74%	0.758%
153	10.031	10.014	10.053	VV	285692	5728478	34.04%	0.576%
154	10.069	10.053	10.092	VV	277294	5411455	32.15%	0.544%
155	10.117	10.092	10.138	VV	356371	7943595	47.20%	0.799%
156	10.163	10.138	10.183	VV	324427	7730138	45.93%	0.778%
157	10.212	10.183	10.257	VV	413774	12815721	76.15%	1.289%
158	10.274	10.257	10.288	VV	219624	3925501	23.32%	0.395%
159	10.310	10.288	10.347	VV	280453	7499332	44.56%	0.755%
160	10.377	10.347	10.425	VV	403116	11071225	65.78%	1.114%
161	10.438	10.425	10.451	VV	153945	2375079	14.11%	0.239%
162	10.478	10.451	10.506	VV	210065	5593009	33.23%	0.563%
163	10.535	10.506	10.567	VV	414274	8598314	51.09%	0.865%
164	10.592	10.567	10.618	VV	318340	6990518	41.54%	0.703%
165	10.647	10.618	10.659	VV	405403	7299302	43.37%	0.734%
166	10.673	10.659	10.697	VV	463626	7627911	45.32%	0.767%
167	10.718	10.697	10.765	VV	613787	12210582	72.55%	1.229%
168	10.792	10.765	10.800	VV	402310	6207982	36.89%	0.625%
169	10.810	10.800	10.832	VV	406168	6476869	38.48%	0.652%
170	10.856	10.832	10.881	VV	388815	8659877	51.45%	0.871%
171	10.893	10.881	10.906	VV	269330	3727335	22.15%	0.375%
172	10.928	10.906	10.943	VV	294948	5944872	35.32%	0.598%
173	10.962	10.943	10.980	VV	347667	5931936	35.25%	0.597%
174	11.016	10.980	11.040	VV	475936	11305706	67.17%	1.138%
175	11.069	11.040	11.087	VV	255728	6513753	38.70%	0.655%
176	11.096	11.087	11.112	VV	220266	2995252	17.80%	0.301%
177	11.158	11.112	11.173	VV	260601	7646916	45.44%	0.769%
178	11.196	11.173	11.213	VV	316657	6090774	36.19%	0.613%
179	11.219	11.213	11.254	VV	219102	4773875	28.36%	0.480%
180	11.277	11.254	11.311	VV	229664	6605507	39.25%	0.665%
181	11.333	11.311	11.353	VV	185873	4127906	24.53%	0.415%
182	11.374	11.353	11.393	VV	217053	4515889	26.83%	0.454%
183	11.414	11.393	11.433	VV	240698	4785696	28.43%	0.482%
184	11.447	11.433	11.461	VV	180505	2902085	17.24%	0.292%
185	11.507	11.461	11.528	VV	335941	9179960	54.54%	0.924%
186	11.554	11.528	11.575	VV	293375	6792398	40.36%	0.683%
187	11.591	11.575	11.639	VV	268429	8643380	51.36%	0.870%
188	11.644	11.639	11.654	VV	182688	1657404	9.85%	0.167%
189	11.676	11.654	11.704	VV	269447	6934570	41.20%	0.698%
190	11.724	11.704	11.762	VV	315749	8694950	51.66%	0.875%
191	11.792	11.762	11.814	VV	241095	5822855	34.60%	0.586%
192	11.851	11.814	11.873	VV	303659	7658912	45.51%	0.771%
193	11.889	11.873	11.922	VV	196546	4973338	29.55%	0.500%
194	11.936	11.922	11.945	VV	163802	2190872	13.02%	0.220%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	11.968	11.945	11.984	VV	447668	6808035	40.45%	0.685%
196	12.002	11.984	12.016	VV	324132	5029671	29	
197	12.033	12.016	12.068	VV	377435	6734859	40	
198	12.095	12.068	12.115	VV	197074	4481348	26	
199	12.119	12.115	12.125	VV	156682	1010542	6	
200	12.149	12.125	12.166	VV	302734	5315627	31	
201	12.182	12.166	12.230	VV	284573	7365480	43.76%	0.741%
202	12.252	12.230	12.270	VV	166713	3465488	20.59%	0.349%
203	12.296	12.270	12.318	VV	215396	5121060	30.43%	0.515%
204	12.338	12.318	12.357	VV	199018	3821158	22.70%	0.384%
205	12.366	12.357	12.384	VV	148791	2312670	13.74%	0.233%
206	12.402	12.384	12.418	VV	162778	2962035	17.60%	0.298%
207	12.439	12.418	12.455	VV	145475	2904309	17.26%	0.292%
208	12.464	12.455	12.481	VV	129466	2010379	11.94%	0.202%
209	12.502	12.481	12.516	VV	166186	2964439	17.61%	0.298%
210	12.534	12.516	12.550	VV	190610	3300851	19.61%	0.332%
211	12.561	12.550	12.585	VV	163890	2825464	16.79%	0.284%
212	12.617	12.585	12.633	VV	143720	3461113	20.56%	0.348%
213	12.647	12.633	12.661	VV	124778	1912042	11.36%	0.192%
214	12.680	12.661	12.710	VV	135304	3577045	21.25%	0.360%
215	12.721	12.710	12.727	VV	122512	1242687	7.38%	0.125%
216	12.745	12.727	12.767	VV	160468	3145873	18.69%	0.317%
217	12.791	12.767	12.830	VV	219271	5859210	34.81%	0.590%
218	12.841	12.830	12.847	VV	103366	974696	5.79%	0.098%
219	12.869	12.847	12.878	VV	126403	2195192	13.04%	0.221%
220	12.902	12.878	12.921	VV	281093	4999194	29.70%	0.503%
221	12.937	12.921	12.953	VV	182297	2896004	17.21%	0.291%
222	12.964	12.953	12.994	VV	151345	2856790	16.97%	0.287%
223	13.014	12.994	13.029	VV	143824	2397162	14.24%	0.241%
224	13.037	13.029	13.064	VV	111195	1974183	11.73%	0.199%
225	13.070	13.064	13.082	VV	77131	827091	4.91%	0.083%
226	13.114	13.082	13.121	VV	84358	1840146	10.93%	0.185%
227	13.140	13.121	13.164	VV	104171	2237762	13.30%	0.225%
228	13.169	13.164	13.185	VV	71139	888642	5.28%	0.089%
229	13.206	13.185	13.223	VV	80849	1669593	9.92%	0.168%
230	13.233	13.223	13.244	VV	73650	889253	5.28%	0.089%
231	13.265	13.244	13.287	VV	80773	1853141	11.01%	0.186%
232	13.310	13.287	13.359	VV	104357	3114013	18.50%	0.313%
233	13.401	13.359	13.429	VV	122489	3359034	19.96%	0.338%
234	13.454	13.429	13.474	VV	84914	1940199	11.53%	0.195%
235	13.484	13.474	13.509	VV	70265	1368331	8.13%	0.138%
236	13.520	13.509	13.542	VV	62401	1085627	6.45%	0.109%
237	13.551	13.542	13.561	VV	48174	538978	3.20%	0.054%
238	13.598	13.561	13.622	VV	84057	2405975	14.30%	0.242%
239	13.643	13.622	13.687	VV	97832	2407451	14.30%	0.242%
240	13.708	13.687	13.723	VV	65935	1123456	6.68%	0.113%
241	13.741	13.723	13.764	VV	65606	1316709	7.82%	0.132%
242	13.788	13.764	13.807	VV	54575	1199760	7.13%	0.121%
243	13.816	13.807	13.840	VV	47801	871167	5.18%	0.088%
244	13.861	13.840	13.877	VV	44044	904192	5.37%	0.091%
245	13.895	13.877	13.930	VV	47750	1236416	7.35%	0.124%
246	13.940	13.930	13.986	VV	33838	999429	5.94%	0.101%

Instrument :
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EX-1-TPH-1

Manual IntegrationsAPPROVED

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rteres

247	14.010	13.986	14.028	VV	34497	787092	4.68%	0.079%
248	14.045	14.028	14.064	VV	37202	727699	[illegible]	
249	14.092	14.064	14.122	VV	36295	1117979	[illegible]	
250	14.128	14.122	14.143	VV	26417	319258	[illegible]	
251	14.171	14.143	14.198	VV	37560	971803	[illegible]	
252	14.215	14.198	14.235	VV	28660	555489	[illegible]	
253	14.241	14.235	14.246	VV	21695	140549	0.84%	0.014%
254	14.257	14.246	14.334	VV	22510	1039282	6.18%	0.105%
255	14.356	14.334	14.422	VV	20650	953244	5.66%	0.096%
256	14.457	14.422	14.496	VV	17360	696354	4.14%	0.070%
257	14.516	14.496	14.547	VV	20741	491970	2.92%	0.050%
258	14.553	14.547	14.563	VV	13550	129301	0.77%	0.013%
259	14.588	14.563	14.601	VV	15340	332565	1.98%	0.033%
260	14.616	14.601	14.654	VV	15062	428086	2.54%	0.043%
261	14.663	14.654	14.685	VV	11603	208327	1.24%	0.021%
262	14.724	14.685	14.750	VV	14284	490500	2.91%	0.049%
263	14.757	14.750	14.771	VV	11553	137306	0.82%	0.014%
264	14.775	14.771	14.788	VV	10040	100331	0.60%	0.010%
265	14.813	14.788	14.825	VV	11783	243005	1.44%	0.024%
266	14.838	14.825	14.858	VV	12566	222100	1.32%	0.022%
267	14.874	14.858	14.892	VV	11881	210559	1.25%	0.021%
268	14.903	14.892	14.947	VV	9188	267662	1.59%	0.027%
269	14.998	14.947	15.022	VV	8981	344637	2.05%	0.035%
270	15.034	15.022	15.055	VV	7604	140659	0.84%	0.014%
271	15.068	15.055	15.090	VV	6744	125989	0.75%	0.013%
272	15.100	15.090	15.118	VV	5754	93765	0.56%	0.009%
273	15.124	15.118	15.139	VV	5371	65072	0.39%	0.007%
274	15.150	15.139	15.170	VV	5717	103142	0.61%	0.010%
275	15.185	15.170	15.202	VV	6745	114242	0.68%	0.011%
276	15.221	15.202	15.239	VV	6439	124743	0.74%	0.013%
277	15.256	15.239	15.285	VV	6567	149694	0.89%	0.015%
278	15.301	15.285	15.315	VV	4850	80581	0.48%	0.008%
279	15.341	15.315	15.359	VV	5382	123579	0.73%	0.012%
280	15.364	15.359	15.369	VV	4446	28503	0.17%	0.003%
281	15.392	15.369	15.420	VV	4808	132254	0.79%	0.013%
282	15.426	15.420	15.461	VV	3992	81668	0.49%	0.008%
283	15.491	15.461	15.527	VV	4496	131139	0.78%	0.013%
284	15.532	15.527	15.583	VV	2690	83441	0.50%	0.008%
285	15.591	15.583	15.600	VV	2604	26866	0.16%	0.003%
286	15.633	15.600	15.669	VV	8874	198345	1.18%	0.020%
287	15.675	15.669	15.689	VV	2942	33543	0.20%	0.003%
288	15.699	15.689	15.722	VV	2859	47852	0.28%	0.005%
289	15.736	15.722	15.751	VV	1942	32063	0.19%	0.003%
290	15.792	15.751	15.837	VV	3548	129291	0.77%	0.013%
291	15.857	15.837	15.876	VV	3310	52760	0.31%	0.005%
292	15.894	15.876	15.935	VV	2065	56552	0.34%	0.006%
293	15.987	15.935	16.004	VV	1947	64866	0.39%	0.007%
294	16.008	16.004	16.062	VV	1879	49307	0.29%	0.005%
295	16.096	16.062	16.110	VV	1418	35511	0.21%	0.004%
296	16.114	16.110	16.124	VV	1111	8063	0.05%	0.001%
297	16.143	16.124	16.183	VV	1266	37456	0.22%	0.004%
298	16.190	16.183	16.209	VV	926	12364	0.07%	0.001%
299	16.237	16.209	16.258	VV	1361	29269	0.17%	0.003%

Instrument :
FID_G
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EX-1-TPH-1

Manual IntegrationsAPPROVED

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rteres

300	16.278	16.258	16.314	VV	2621	47250	0.28%	0.005%
301	16.333	16.314	16.352	VV	941	16377		
302	16.364	16.352	16.384	VV	744	9959		
303	16.391	16.384	16.409	VV	258	2168		
304	16.465	16.409	16.485	PV	878	24256		
305	16.496	16.485	16.512	VV	704	8574		
306	16.565	16.512	16.579	VV	802	17896	0.11%	0.002%
307	16.584	16.579	16.592	VV	435	3016	0.02%	0.000%
308	16.598	16.592	16.601	VV	531	2743	0.02%	0.000%
309	16.610	16.601	16.635	VV	588	8403	0.05%	0.001%
310	16.657	16.635	16.695	VV	1232	21505	0.13%	0.002%
311	16.740	16.695	16.752	PV	1225	21270	0.13%	0.002%
312	16.763	16.752	16.791	VV	1115	16106	0.10%	0.002%
313	16.843	16.791	16.876	VV	3620	56210	0.33%	0.006%
314	16.896	16.876	16.947	VV	782	18163	0.11%	0.002%
315	16.951	16.947	16.955	VV	276	1008	0.01%	0.000%
316	16.974	16.955	17.005	VV	543	10951	0.07%	0.001%
317	17.060	17.005	17.085	VV	1219	26758	0.16%	0.003%
318	17.116	17.085	17.159	VV	1112	24539	0.15%	0.002%
319	17.166	17.159	17.172	VV	377	2660	0.02%	0.000%
320	17.195	17.172	17.208	VV	1050	16879	0.10%	0.002%
321	17.229	17.208	17.255	VV	2193	35233	0.21%	0.004%
322	17.279	17.255	17.318	VV	3357	51182	0.30%	0.005%
323	17.338	17.318	17.345	VV	339	3927	0.02%	0.000%
324	17.359	17.345	17.379	VV	298	4113	0.02%	0.000%
325	17.384	17.379	17.399	VV	150	1094	0.01%	0.000%
326	17.429	17.407	17.449	PV	187	2489	0.01%	0.000%
327	17.475	17.449	17.502	VV	675	9035	0.05%	0.001%
328	17.508	17.502	17.518	VV	215	1485	0.01%	0.000%
329	17.553	17.528	17.575	VV	434	8965	0.05%	0.001%
330	17.580	17.575	17.587	VV	335	1974	0.01%	0.000%
331	17.618	17.587	17.629	VV	569	9659	0.06%	0.001%
332	17.647	17.629	17.659	VV	584	7256	0.04%	0.001%
333	17.679	17.659	17.709	VV	1501	21408	0.13%	0.002%
334	17.720	17.709	17.742	VV	193	2561	0.02%	0.000%
335	17.773	17.742	17.777	PV	345	4359	0.03%	0.000%
336	17.793	17.777	17.818	VV	376	6024	0.04%	0.001%
337	17.852	17.818	17.872	VV	436	7563	0.04%	0.001%
338	17.883	17.872	17.890	VV	208	1854	0.01%	0.000%
339	17.900	17.890	17.927	VV	220	3224	0.02%	0.000%
340	17.956	17.927	17.975	PV	316	4890	0.03%	0.000%
341	18.012	17.999	18.025	PV	244	2285	0.01%	0.000%
342	18.035	18.025	18.047	VV	197	1971	0.01%	0.000%
343	18.087	18.047	18.095	VV	892	12687	0.08%	0.001%
344	18.116	18.095	18.149	VV	3137	44392	0.26%	0.004%
345	18.205	18.149	18.234	VV	856	16484	0.10%	0.002%

Sum of corrected areas: 993866897

Aromatic EPH 102124.M Thu Oct 31 07:10:37 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-1DL		SDG No.:	P4599	
Lab Sample ID:	P4599-01DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.2	
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
FE050944.D	50	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	170		23.4	61.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	516		14.7	41.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	285		18.4	61.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	18.7	J	49.2	81.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	110	U	110	122	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:	P4599-01DL	Acq On:	31 Oct 2024 15:33
Client Sample ID:	EX-1-TPH-1DL	Operator:	YP\AJ
Data file:	FE050944.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	5937631	41.551	300	ug/ml
Aliphatic C12-C16	6.762	10.193	18278781	125.958	200	ug/ml
Aliphatic C16-C21	10.194	13.552	10070656	69.741	300	ug/ml
Aliphatic C21-C28	13.553	17.208	648922	4.565	400	ug/ml
Aliphatic C28-C40	17.209	22.054	390484	2.823	600	ug/ml
Aliphatic EPH	3.144	22.054	35326474	244.638		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	3.144	17.208	34935990	241.815	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050944.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 15:33
Operator : YP\AJ
Sample : P4599-01DL 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Nov 01 03:43:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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

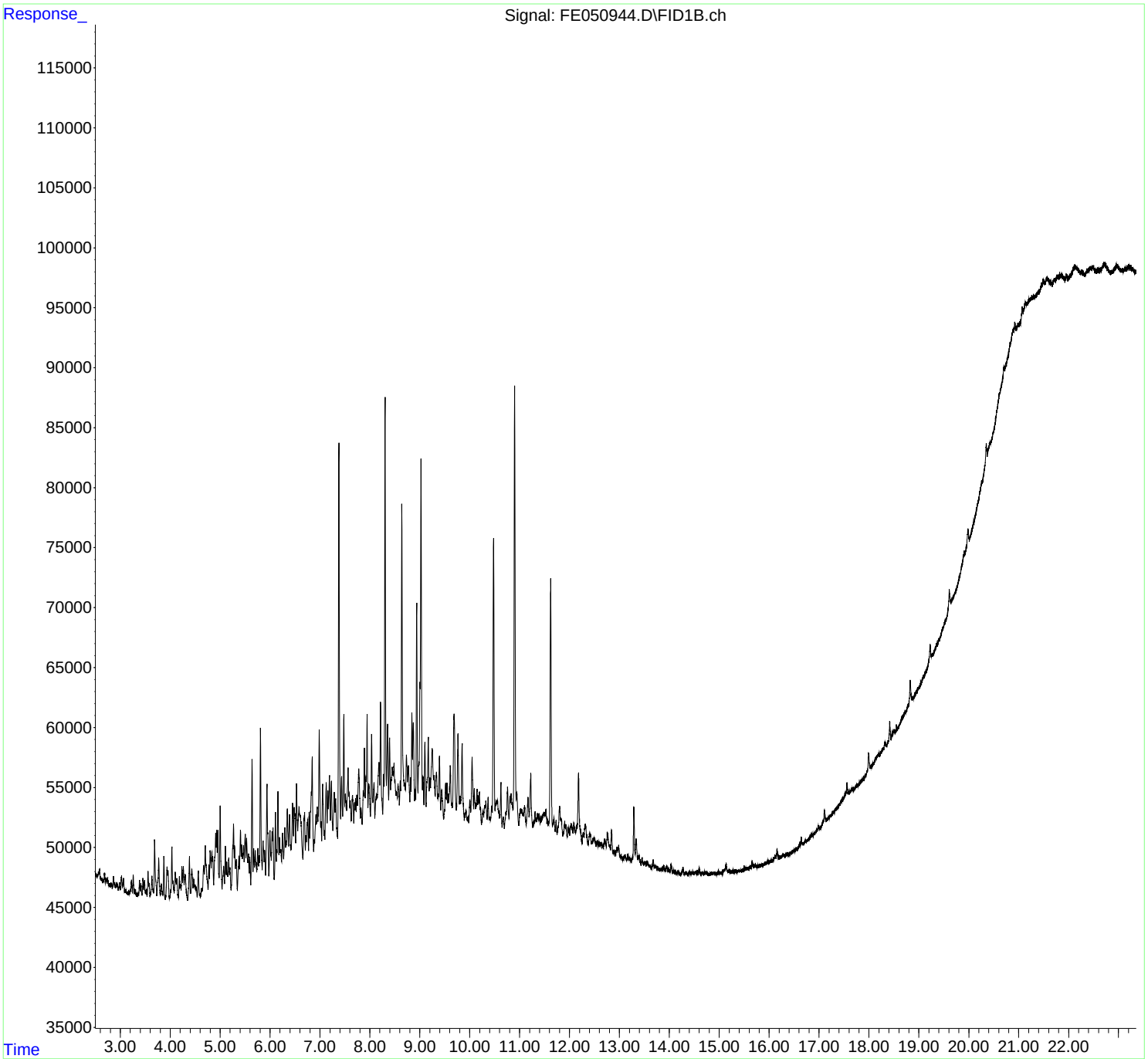
(f)=RT Delta > 1/2 Window (m)=manual int.

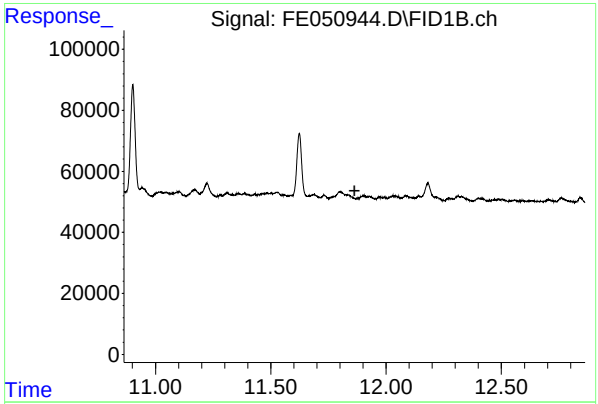
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050944.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 15:33
Operator : YP\AJ
Sample : P4599-01DL 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Nov 01 03:43:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

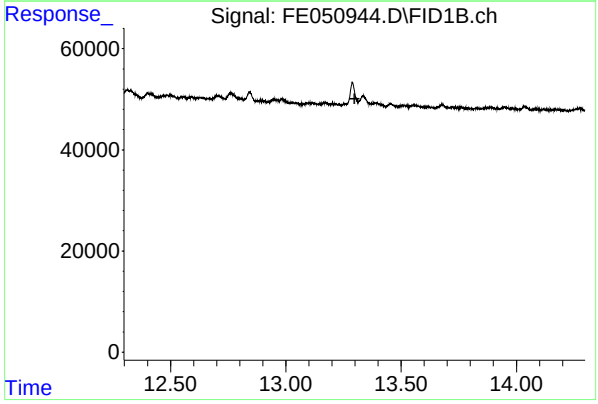




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

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



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.298 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050944.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 15:33
Sample : P4599-01DL 50X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.385	3.348	3.400	PV	1255	15587	1.78%	0.044%
2	3.412	3.400	3.434	VV	1001	11642	1.33%	0.033%
3	3.454	3.434	3.469	VV	1418	17241	1.97%	0.049%
4	3.484	3.469	3.510	VV	1227	18181	2.08%	0.051%
5	3.523	3.510	3.536	VV	552	6031	0.69%	0.017%
6	3.556	3.536	3.597	VV	2055	35032	4.00%	0.099%
7	3.634	3.597	3.666	VV	1735	32157	3.67%	0.091%
8	3.688	3.666	3.732	VV	4773	74973	8.57%	0.212%
9	3.770	3.732	3.804	VV	3279	61401	7.01%	0.174%
10	3.825	3.804	3.853	VV	1104	19449	2.22%	0.055%
11	3.873	3.853	3.905	VV	3491	35967	4.11%	0.102%
12	3.936	3.905	3.985	PV	2600	64791	7.40%	0.183%
13	4.033	3.985	4.080	VV	4345	75461	8.62%	0.214%
14	4.102	4.080	4.121	VV	2190	38183	4.36%	0.108%
15	4.132	4.121	4.160	VV	1704	23439	2.68%	0.066%
16	4.183	4.160	4.217	VV	1770	36504	4.17%	0.103%
17	4.235	4.217	4.248	VV	2739	34065	3.89%	0.096%
18	4.263	4.248	4.279	VV	2784	38451	4.39%	0.109%
19	4.300	4.279	4.348	VV	2038	45908	5.24%	0.130%
20	4.385	4.348	4.411	PV	3510	50901	5.82%	0.144%
21	4.433	4.411	4.458	VV	2445	46511	5.31%	0.132%
22	4.474	4.458	4.515	VV	1645	41265	4.71%	0.117%
23	4.524	4.515	4.540	VV	1017	10912	1.25%	0.031%
24	4.562	4.540	4.602	VV	2338	37202	4.25%	0.105%
25	4.670	4.602	4.683	VV	2759	61541	7.03%	0.174%
26	4.702	4.683	4.758	VV	4416	110715	12.65%	0.313%
27	4.775	4.758	4.785	VV	2839	32307	3.69%	0.091%
28	4.801	4.785	4.819	VV	3966	62932	7.19%	0.178%
29	4.834	4.819	4.845	VV	3843	51920	5.93%	0.147%
30	4.851	4.845	4.870	VV	3495	39975	4.57%	0.113%
31	4.911	4.870	4.920	VV	5451	105093	12.01%	0.297%
32	4.931	4.920	4.943	VV	5600	65919	7.53%	0.187%
33	4.954	4.943	4.980	VV	5691	80425	9.19%	0.228%
34	5.001	4.980	5.039	VV	7722	126084	14.40%	0.357%
35	5.072	5.039	5.088	VV	2661	54249	6.20%	0.154%
36	5.106	5.088	5.122	VV	4270	58189	6.65%	0.165%

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37	5.134	5.122	5.158	VV	3023	49003	5.60%	0.139%
38	5.172	5.158	5.187	VV	3302	45730	5.22%	0.129%
39	5.197	5.187	5.219	VV	2498	33620	3.84%	0.095%
40	5.269	5.219	5.283	VV	6096	129908	14.84%	0.368%
41	5.291	5.283	5.306	VV	4258	49254	5.63%	0.139%
42	5.323	5.306	5.345	VV	3099	52754	6.03%	0.149%
43	5.377	5.345	5.387	VV	3313	58284	6.66%	0.165%
44	5.408	5.387	5.422	VV	5628	87655	10.01%	0.248%
45	5.432	5.422	5.445	VV	4392	51650	5.90%	0.146%
46	5.469	5.445	5.482	VV	4260	82163	9.39%	0.233%
47	5.502	5.482	5.518	VV	5159	92044	10.52%	0.261%
48	5.531	5.518	5.553	VV	4908	82702	9.45%	0.234%
49	5.567	5.553	5.582	VV	3481	50082	5.72%	0.142%
50	5.595	5.582	5.613	VV	3322	45065	5.15%	0.128%
51	5.640	5.613	5.660	VV	11483	153646	17.55%	0.435%
52	5.673	5.660	5.689	VV	3977	54664	6.24%	0.155%
53	5.704	5.689	5.734	VV	3846	79373	9.07%	0.225%
54	5.756	5.734	5.770	VV	3920	66247	7.57%	0.188%
55	5.809	5.770	5.842	VV	13904	243607	27.83%	0.690%
56	5.861	5.842	5.882	VV	4536	85894	9.81%	0.243%
57	5.893	5.882	5.910	VV	3749	49339	5.64%	0.140%
58	5.939	5.910	5.976	VV	9265	196232	22.42%	0.555%
59	5.999	5.976	6.025	VV	5416	108247	12.37%	0.306%
60	6.059	6.025	6.083	VV	5617	138856	15.86%	0.393%
61	6.109	6.083	6.125	VV	6925	97809	11.17%	0.277%
62	6.159	6.125	6.179	VV	8606	164790	18.83%	0.466%
63	6.191	6.179	6.231	VV	4741	118744	13.57%	0.336%
64	6.251	6.231	6.272	VV	5174	98670	11.27%	0.279%
65	6.297	6.272	6.312	VV	5652	108268	12.37%	0.306%
66	6.346	6.312	6.370	VV	7176	182388	20.84%	0.516%
67	6.391	6.370	6.421	VV	6666	154066	17.60%	0.436%
68	6.452	6.421	6.470	VV	7617	167087	19.09%	0.473%
69	6.485	6.470	6.512	VV	7277	157564	18.00%	0.446%
70	6.531	6.512	6.555	VV	9213	176279	20.14%	0.499%
71	6.581	6.555	6.657	VV	7263	350902	40.09%	0.993%
72	6.692	6.657	6.709	VV	6833	163887	18.72%	0.464%
73	6.754	6.709	6.771	VV	6243	190555	21.77%	0.539%
74	6.785	6.771	6.797	VV	6801	82476	9.42%	0.233%
75	6.845	6.797	6.874	VV	11479	335394	38.32%	0.949%
76	6.920	6.874	6.930	VV	6507	172296	19.68%	0.488%
77	6.944	6.930	6.959	VV	7176	115272	13.17%	0.326%
78	6.986	6.959	7.035	VV	13385	358164	40.92%	1.014%
79	7.054	7.035	7.098	VV	9005	241529	27.59%	0.684%
80	7.126	7.098	7.144	VV	9116	198822	22.71%	0.563%
81	7.159	7.144	7.171	VV	8578	118627	13.55%	0.336%
82	7.191	7.171	7.210	VV	9795	189656	21.67%	0.537%
83	7.229	7.210	7.259	VV	9280	212908	24.32%	0.603%
84	7.288	7.259	7.301	VV	8395	178215	20.36%	0.504%
85	7.315	7.301	7.355	VV	7828	197215	22.53%	0.558%
86	7.380	7.355	7.415	VV	37357	585267	66.86%	1.657%
87	7.434	7.415	7.456	VV	9647	192924	22.04%	0.546%
88	7.479	7.456	7.498	VV	14833	252003	28.79%	0.713%
89	7.509	7.498	7.535	VV	8193	170707	19.50%	0.483%

90	7.565	7.535	7.599	VV	10365	322284	36.82%	0.912%
91	7.609	7.599	7.628	VV	7563	121662	13.90%	0.344%
92	7.653	7.628	7.678	VV	7990	211764	24.19%	0.599%
93	7.713	7.678	7.725	VV	7686	196437	22.44%	0.556%
94	7.739	7.725	7.752	VV	8072	123241	14.08%	0.349%
95	7.779	7.752	7.811	VV	10178	298481	34.10%	0.845%
96	7.826	7.811	7.848	VV	6947	139448	15.93%	0.395%
97	7.891	7.848	7.908	VV	11918	309904	35.40%	0.877%
98	7.945	7.908	7.963	VV	14733	336565	38.45%	0.953%
99	7.980	7.963	8.012	VV	8905	228460	26.10%	0.647%
100	8.036	8.012	8.059	VV	13103	259893	29.69%	0.736%
101	8.083	8.059	8.102	VV	9038	205360	23.46%	0.581%
102	8.184	8.102	8.198	VV	10643	488016	55.75%	1.381%
103	8.215	8.198	8.258	VV	15644	361465	41.29%	1.023%
104	8.305	8.258	8.332	VV	41119	711212	81.25%	2.013%
105	8.355	8.332	8.377	VV	13790	294661	33.66%	0.834%
106	8.396	8.377	8.417	VV	12682	238055	27.20%	0.674%
107	8.449	8.417	8.471	VV	10222	312029	35.65%	0.883%
108	8.484	8.471	8.549	VV	10422	412267	47.10%	1.167%
109	8.565	8.549	8.592	VV	8798	211635	24.18%	0.599%
110	8.608	8.592	8.617	VV	8971	122506	14.00%	0.347%
111	8.641	8.617	8.711	VV	32165	757729	86.56%	2.145%
112	8.734	8.711	8.755	VV	11159	256344	29.29%	0.726%
113	8.774	8.755	8.802	VV	10220	255456	29.18%	0.723%
114	8.844	8.802	8.856	VV	14578	332591	38.00%	0.941%
115	8.871	8.856	8.898	VV	13863	283505	32.39%	0.803%
116	8.909	8.898	8.917	VV	8210	91471	10.45%	0.259%
117	8.939	8.917	8.963	VV	23703	386123	44.11%	1.093%
118	9.026	8.963	9.054	VV	35594	875335	100.00%	2.478%
119	9.065	9.054	9.083	VV	9291	150644	17.21%	0.426%
120	9.103	9.083	9.126	VV	12044	241917	27.64%	0.685%
121	9.172	9.126	9.191	VV	12527	367223	41.95%	1.040%
122	9.205	9.191	9.216	VV	9165	132030	15.08%	0.374%
123	9.250	9.216	9.307	VV	11583	526762	60.18%	1.491%
124	9.336	9.307	9.361	VV	9591	284416	32.49%	0.805%
125	9.395	9.361	9.421	VV	10951	305763	34.93%	0.866%
126	9.440	9.421	9.481	VV	8112	253747	28.99%	0.718%
127	9.517	9.481	9.535	VV	8545	230992	26.39%	0.654%
128	9.547	9.535	9.564	VV	8713	138678	15.84%	0.393%
129	9.574	9.564	9.583	VV	7710	86570	9.89%	0.245%
130	9.612	9.583	9.655	VV	10141	345590	39.48%	0.978%
131	9.688	9.655	9.732	VV	14317	465986	53.24%	1.319%
132	9.765	9.732	9.795	VV	12726	344441	39.35%	0.975%
133	9.807	9.795	9.819	VV	7514	105397	12.04%	0.298%
134	9.849	9.819	9.892	VV	11802	354353	40.48%	1.003%
135	9.925	9.892	9.961	VV	6247	245663	28.06%	0.695%
136	9.972	9.961	9.982	VV	5806	72023	8.23%	0.204%
137	10.005	9.982	10.022	VV	7165	155407	17.75%	0.440%
138	10.049	10.022	10.079	VV	10602	279555	31.94%	0.791%
139	10.093	10.079	10.113	VV	8070	148237	16.93%	0.420%
140	10.148	10.113	10.162	VV	8011	212373	24.26%	0.601%
141	10.173	10.162	10.182	VV	7415	85640	9.78%	0.242%

142	10.195	10.182	10.238	VV	7811	219178	25.04%	0.620%
143	10.265	10.238	10.282	VV	6192	154861	17.69%	0.438%
144	10.324	10.282	10.351	VV	6995	265405	30.32%	0.751%
145	10.369	10.351	10.391	VV	7193	152501	17.42%	0.432%
146	10.402	10.391	10.419	VV	5663	93060	10.63%	0.263%
147	10.441	10.419	10.450	VV	6571	114508	13.08%	0.324%
148	10.480	10.450	10.509	VV	28998	528594	60.39%	1.496%
149	10.542	10.509	10.555	VV	7013	185559	21.20%	0.525%
150	10.560	10.555	10.601	VV	6943	174583	19.94%	0.494%
151	10.627	10.601	10.651	VV	8534	193526	22.11%	0.548%
152	10.671	10.651	10.696	VV	5615	141478	16.16%	0.400%
153	10.760	10.696	10.787	VV	8059	341479	39.01%	0.967%
154	10.809	10.787	10.818	VV	7304	119689	13.67%	0.339%
155	10.830	10.818	10.870	VV	7495	215099	24.57%	0.609%
156	10.902	10.870	10.933	VV	41453	717116	81.92%	2.030%
157	10.943	10.933	10.985	VV	7610	200307	22.88%	0.567%
158	11.021	10.985	11.071	VV	6274	304994	34.84%	0.863%
159	11.100	11.071	11.132	VV	6345	210625	24.06%	0.596%
160	11.170	11.132	11.191	VV	7054	217203	24.81%	0.615%
161	11.223	11.191	11.265	VV	9140	290728	33.21%	0.823%
162	11.311	11.265	11.338	VV	5922	230835	26.37%	0.653%
163	11.359	11.338	11.374	VV	5695	118728	13.56%	0.336%
164	11.387	11.374	11.414	VV	5680	128910	14.73%	0.365%
165	11.431	11.414	11.442	VV	5442	89026	10.17%	0.252%
166	11.482	11.442	11.510	VV	5819	229134	26.18%	0.649%
167	11.528	11.510	11.571	VV	6095	200975	22.96%	0.569%
168	11.624	11.571	11.660	VV	25365	548360	62.65%	1.552%
169	11.687	11.660	11.715	VV	5379	160257	18.31%	0.454%
170	11.732	11.715	11.751	VV	5086	101349	11.58%	0.287%
171	11.801	11.751	11.871	VV	6180	356399	40.72%	1.009%
172	11.903	11.871	11.954	VV	4917	215821	24.66%	0.611%
173	11.973	11.954	12.006	VV	4423	131810	15.06%	0.373%
174	12.031	12.006	12.066	VV	4722	160821	18.37%	0.455%
175	12.086	12.066	12.124	VV	4878	153476	17.53%	0.434%
176	12.142	12.124	12.152	VV	4639	72763	8.31%	0.206%
177	12.181	12.152	12.252	VV	8964	316417	36.15%	0.896%
178	12.274	12.252	12.291	VV	3933	87115	9.95%	0.247%
179	12.312	12.291	12.375	VV	4519	198648	22.69%	0.562%
180	12.400	12.375	12.441	VV	3917	138879	15.87%	0.393%
181	12.500	12.441	12.529	VV	3558	176463	20.16%	0.500%
182	12.557	12.529	12.573	VV	3268	81500	9.31%	0.231%
183	12.590	12.573	12.615	VV	3134	74071	8.46%	0.210%
184	12.630	12.615	12.681	VV	3125	115124	13.15%	0.326%
185	12.705	12.681	12.737	VV	3364	104179	11.90%	0.295%
186	12.761	12.737	12.821	VV	3898	159888	18.27%	0.453%
187	12.842	12.821	12.880	VV	4103	107202	12.25%	0.303%
188	12.888	12.880	12.896	VV	2379	20971	2.40%	0.059%
189	12.902	12.896	12.921	VV	2319	34751	3.97%	0.098%
190	12.949	12.921	12.969	VV	2565	70070	8.00%	0.198%
191	12.985	12.969	13.018	VV	2748	67353	7.69%	0.191%
192	13.032	13.018	13.068	VV	1958	54629	6.24%	0.155%
193	13.117	13.068	13.148	VV	1942	84564	9.66%	0.239%
194	13.169	13.148	13.239	VV	1970	92232	10.54%	0.261%

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195	13.289	13.239	13.315	VV	5961	129334	14.78%	0.366%
196	13.335	13.315	13.373	VV	3245	83286	9.51%	0.236%
197	13.393	13.373	13.435	VV	1857	57719	6.59%	0.163%
198	13.454	13.435	13.485	VV	1674	40699	4.65%	0.115%
199	13.509	13.485	13.534	VV	1297	36405	4.16%	0.103%
200	13.555	13.534	13.645	VV	1336	70404	8.04%	0.199%
201	13.677	13.645	13.706	VV	1442	38566	4.41%	0.109%
202	13.730	13.706	13.751	VV	934	23127	2.64%	0.065%
203	13.763	13.751	13.811	VV	898	26137	2.99%	0.074%
204	13.822	13.811	13.851	VV	675	15328	1.75%	0.043%
205	13.890	13.851	13.928	VV	899	33115	3.78%	0.094%
206	13.948	13.928	14.015	VV	908	32701	3.74%	0.093%
207	14.035	14.015	14.077	VV	1015	23125	2.64%	0.065%
208	14.096	14.077	14.108	VV	468	7558	0.86%	0.021%
209	14.116	14.108	14.143	VV	470	7623	0.87%	0.022%
210	14.168	14.143	14.227	VV	390	14072	1.61%	0.040%
211	14.271	14.227	14.295	VV	565	14389	1.64%	0.041%
212	14.332	14.295	14.378	VV	302	10066	1.15%	0.028%
213	14.410	14.378	14.498	VV	341	15761	1.80%	0.045%
214	14.517	14.498	14.530	VV	251	4358	0.50%	0.012%
215	14.553	14.530	14.575	VV	417	6521	0.74%	0.018%
216	14.599	14.575	14.635	VV	592	9754	1.11%	0.028%
217	14.664	14.635	14.689	VV	237	5035	0.58%	0.014%
218	14.733	14.689	14.795	VV	285	8723	1.00%	0.025%
219	14.818	14.795	14.827	PV	104	1105	0.13%	0.003%
220	14.854	14.827	14.868	VV	105	2209	0.25%	0.006%
221	14.891	14.868	14.909	VV	159	2825	0.32%	0.008%
222	14.919	14.909	14.935	PV	120	984	0.11%	0.003%
223	14.986	14.935	15.021	PV	170	4212	0.48%	0.012%
224	15.030	15.021	15.045	VV	113	922	0.11%	0.003%
225	15.137	15.045	15.181	VV	768	21179	2.42%	0.060%
226	15.198	15.181	15.225	VV	158	2601	0.30%	0.007%
227	15.232	15.225	15.263	VV	65	1309	0.15%	0.004%
228	15.283	15.263	15.298	VV	121	1542	0.18%	0.004%
229	15.310	15.298	15.328	VV	128	1196	0.14%	0.003%
230	15.339	15.328	15.358	VV	91	1235	0.14%	0.003%
231	15.369	15.358	15.442	VV	73	1882	0.21%	0.005%
232	15.465	15.442	15.491	VV	118	1705	0.19%	0.005%
233	15.502	15.491	15.568	PV	189	4403	0.50%	0.012%
234	15.573	15.568	15.598	VV	169	1746	0.20%	0.005%
235	15.616	15.598	15.633	VV	216	3005	0.34%	0.009%
236	15.660	15.633	15.681	VV	612	9083	1.04%	0.026%
237	15.726	15.681	15.759	VV	272	6636	0.76%	0.019%
238	15.864	15.759	15.881	PV	118	3990	0.46%	0.011%
239	15.915	15.881	15.925	PV	127	1867	0.21%	0.005%
240	15.975	15.925	16.011	VV	180	5206	0.59%	0.015%
241	16.035	16.011	16.066	VV	169	2884	0.33%	0.008%
242	16.121	16.066	16.135	PV	383	9481	1.08%	0.027%
243	16.158	16.135	16.207	VV	809	15878	1.81%	0.045%
244	16.225	16.207	16.248	VV	170	2416	0.28%	0.007%
245	16.280	16.248	16.321	VV	187	4352	0.50%	0.012%
246	16.341	16.321	16.355	PV	86	1068	0.12%	0.003%

					rteres			
247	16.513	16.355	16.521	VV	70	1647	0.19%	0.005%
248	16.539	16.521	16.551	VV	103	928	0.11%	0.003%
249	16.643	16.551	16.661	PV	682	15533	1.77%	0.044%
250	16.670	16.661	16.679	VV	213	2002	0.23%	0.006%
251	16.730	16.679	16.741	VV	327	7246	0.83%	0.021%
252	16.985	16.741	17.013	VV	750	63635	7.27%	0.180%
253	17.108	17.013	17.148	VV	1792	74647	8.53%	0.211%
254	17.558	17.148	17.595	VV	2885	390484	44.61%	1.105%
			Sum of corrected areas:			35326472		

Aliphatic EPH 100824.M Fri Nov 01 09:05:05 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-1DL		SDG No.:	P4599	
Lab Sample ID:	P4599-01DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.2	
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
FG014598.D	5	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	39.6		1.84	4.10	mg/kg
Aromatic C12-C16	Aromatic C12-C16	196	E	2.09	6.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	338	E	5.90	10.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	19.0		12.3	16.4	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	14.6		40 - 140	146%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	14.1		40 - 140	141%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.90		40 - 140	49%	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:	P4599-01DL	Acq On:	31 Oct 2024 08:24
Client Sample ID:	EX-1-TPH-1DL	Operator:	YP\AJ
Data file:	FG014598.D	Misc:	
Instrument:	FID_G	ALS Vial:	34
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	13486102	96.677	200	ug/ml
Aromatic C12-C16	6.386	9.086	69754766	479.57	300	ug/ml
Aromatic C16-C21	9.087	13.404	119813822	827.288	500	ug/ml
Aromatic C21-C36	13.405	18.847	6590766	46.369	800	ug/ml
Aromatic EPH	4.516	18.847	209645456	1450		ug/ml
2-Bromonaphthalene (SURR)	8.012	8.012	1837343	14.64		ug/ml
2-Flurobiphenyl (SURR)	8.886	8.886	1216163	14.12		ug/ml
ortho-Terphenyl (SURR)	11.957	11.957	726084	4.9		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014598.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 08:24
Operator : YP\AJ
Sample : P4599-01DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:25:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.012	1837343	14.636 ug/mlm
Spiked Amount 50.000		Recovery =	29.27%
6) S 2-Flurobiphenyl (SURR)	8.886	1216163	14.119 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	28.24%
11) S ortho-Terphenyl (SURR)	11.957	726084	4.904 ug/mlm
Spiked Amount 50.000		Recovery =	9.81%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014598.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 08:24
Operator : YP\AJ
Sample : P4599-01DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

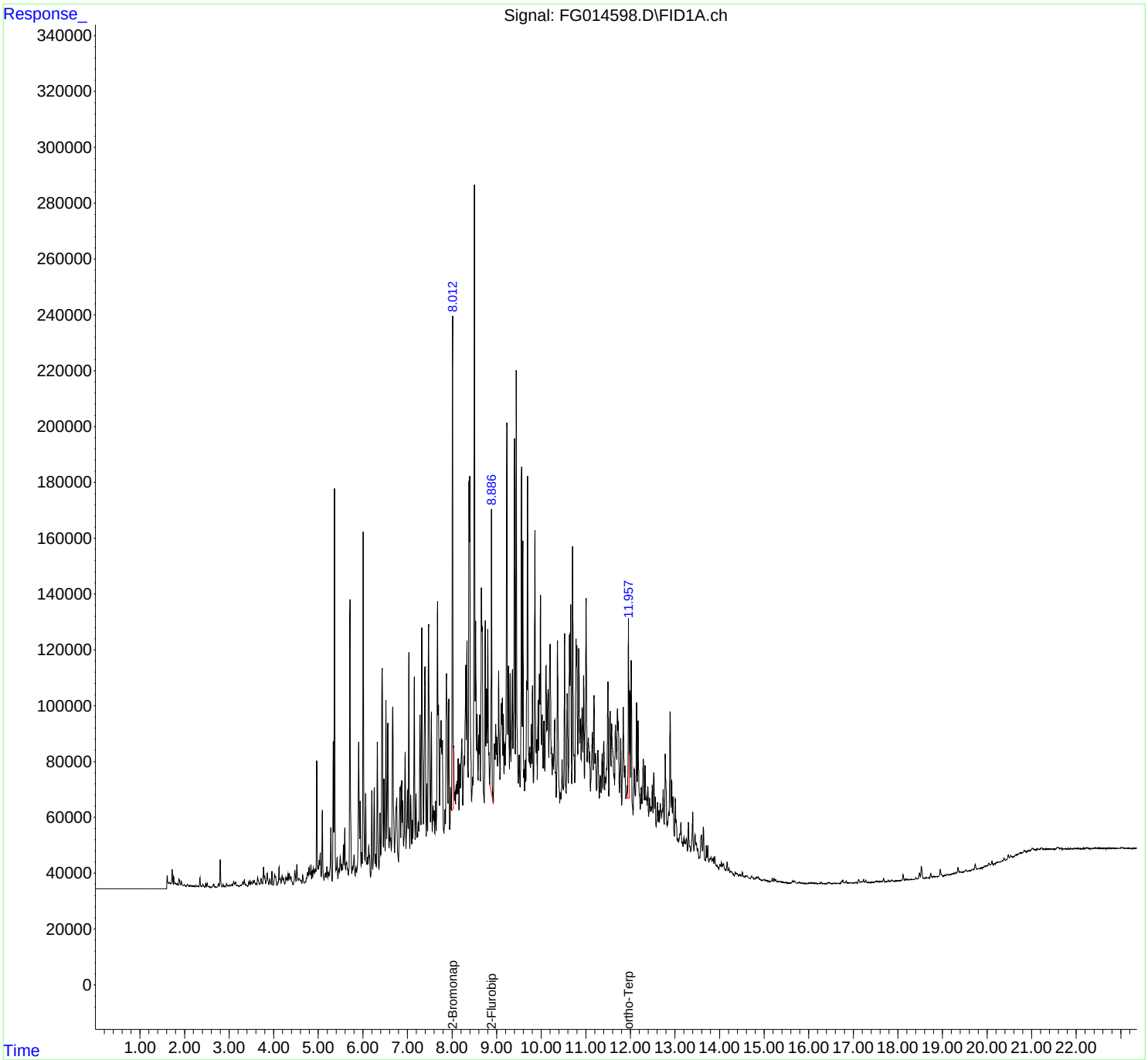
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL

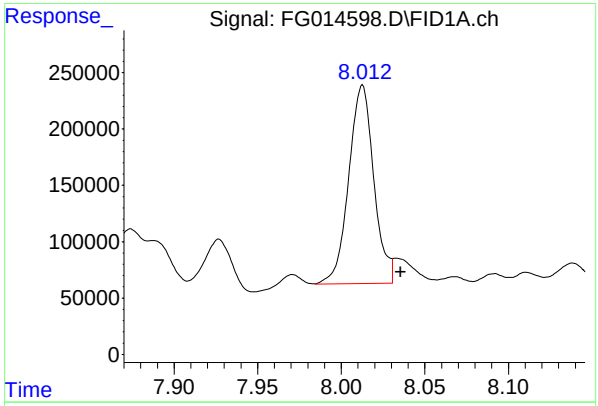
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:25:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





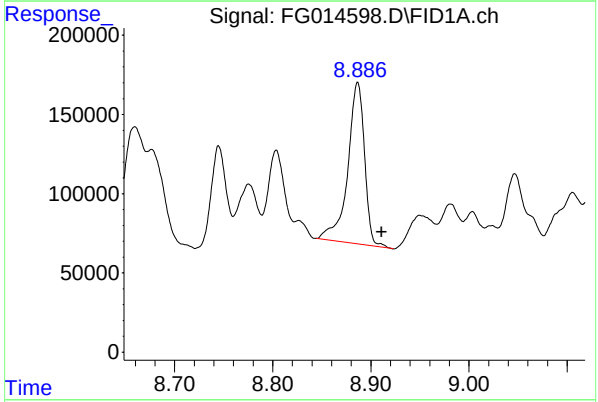
#4 2-Bromonaphthalene (SURR)

R.T.: 8.012 min
Delta R.T.: -0.023 min
Response: 1837343
Conc: 14.64 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL

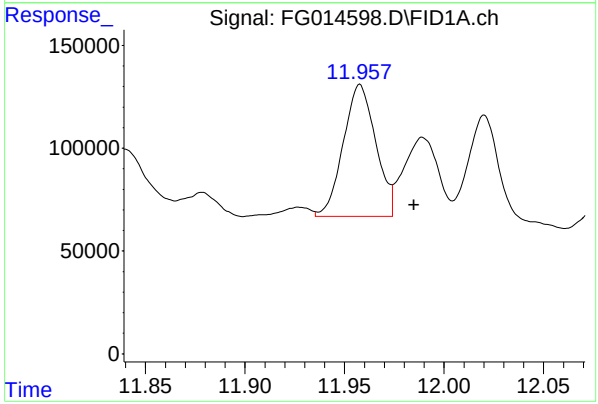
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.886 min
Delta R.T.: -0.025 min
Response: 1216163
Conc: 14.12 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.957 min
Delta R.T.: -0.027 min
Response: 726084
Conc: 4.90 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014598.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 08:24
Sample : P4599-01DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.273	4.251	4.283	BV	2249	24656	0.71%	0.012%
2	4.294	4.283	4.307	VV	2227	25469	0.73%	0.012%
3	4.322	4.307	4.335	VV	3769	43685	1.25%	0.021%
4	4.350	4.335	4.366	VV	3988	53369	1.53%	0.025%
5	4.389	4.366	4.432	VV	2885	62910	1.81%	0.030%
6	4.474	4.432	4.501	PV	5019	92477	2.66%	0.044%
7	4.520	4.501	4.546	VV	7345	102604	2.95%	0.049%
8	4.564	4.546	4.572	VV	2268	32590	0.94%	0.016%
9	4.578	4.572	4.603	VV	2227	34189	0.98%	0.016%
10	4.612	4.603	4.629	VV	1632	19601	0.56%	0.009%
11	4.651	4.629	4.695	VV	3467	60408	1.73%	0.029%
12	4.711	4.695	4.719	VV	1130	13933	0.40%	0.007%
13	4.734	4.719	4.739	VV	2365	22457	0.64%	0.011%
14	4.759	4.739	4.775	VV	4332	76432	2.20%	0.036%
15	4.792	4.775	4.813	VV	6201	105624	3.03%	0.050%
16	4.835	4.813	4.850	VV	7275	102328	2.94%	0.049%
17	4.863	4.850	4.874	VV	4895	53674	1.54%	0.026%
18	4.889	4.874	4.908	VV	6129	95663	2.75%	0.046%
19	4.922	4.908	4.932	VV	5508	70877	2.04%	0.034%
20	4.941	4.932	4.948	VV	5415	47337	1.36%	0.023%
21	4.966	4.948	4.987	VV	44392	483878	13.90%	0.230%
22	4.998	4.987	5.009	VV	6780	80866	2.32%	0.039%
23	5.021	5.009	5.030	VV	8775	97354	2.80%	0.046%
24	5.044	5.030	5.068	VV	11325	160055	4.60%	0.076%
25	5.091	5.068	5.130	VV	26640	342194	9.83%	0.163%
26	5.159	5.130	5.177	VV	4108	89715	2.58%	0.043%
27	5.194	5.177	5.212	VV	6490	93363	2.68%	0.044%
28	5.226	5.212	5.241	VV	4492	63880	1.83%	0.030%
29	5.282	5.241	5.311	VV	20478	311052	8.93%	0.148%
30	5.336	5.311	5.348	VV	51241	502175	14.42%	0.239%
31	5.365	5.348	5.394	VV	141744	1498758	43.04%	0.714%
32	5.403	5.394	5.408	VV	5846	48786	1.40%	0.023%
33	5.422	5.408	5.440	VV	9891	121078	3.48%	0.058%
34	5.461	5.440	5.474	VV	5807	96208	2.76%	0.046%
35	5.493	5.474	5.511	VV	10128	168378	4.84%	0.080%
36	5.523	5.511	5.544	VV	7412	121185	3.48%	0.058%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL

rteres

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/04/2024

37	5.566	5.544	5.578	VV	14452	193767	5.56%	0.092%
38	5.594	5.578	5.611	VV	20445	251776		
39	5.623	5.611	5.628	VV	7706	71047		
40	5.637	5.628	5.653	VV	8265	104973		
41	5.658	5.653	5.674	VV	5658	61519		
42	5.710	5.674	5.752	VV	101977	1327342		
43	5.767	5.752	5.777	VV	6395	83393	2.39%	0.040%
44	5.804	5.777	5.827	VV	10711	214278	6.15%	0.102%
45	5.845	5.827	5.860	VV	6293	101445	2.91%	0.048%
46	5.906	5.860	5.930	VV	51156	871695	25.03%	0.415%
47	5.942	5.930	5.961	VV	29987	343983	9.88%	0.164%
48	5.975	5.961	5.987	VV	11651	145891	4.19%	0.069%
49	6.008	5.987	6.045	VV	126238	1555314	44.67%	0.741%
50	6.064	6.045	6.083	VV	32710	398457	11.44%	0.190%
51	6.088	6.083	6.096	VV	7811	59796	1.72%	0.028%
52	6.108	6.096	6.118	VV	9984	116188	3.34%	0.055%
53	6.132	6.118	6.144	VV	13904	173214	4.97%	0.083%
54	6.150	6.144	6.174	VV	10326	120183	3.45%	0.057%
55	6.202	6.174	6.221	VV	33841	403815	11.60%	0.192%
56	6.256	6.221	6.274	VV	34872	515839	14.81%	0.246%
57	6.284	6.274	6.301	VV	10964	141974	4.08%	0.068%
58	6.326	6.301	6.362	VV	51063	749512	21.53%	0.357%
59	6.384	6.362	6.403	VV	25694	364059	10.46%	0.173%
60	6.433	6.403	6.460	VV	77492	1399124	40.18%	0.666%
61	6.476	6.460	6.500	VV	37769	554567	15.93%	0.264%
62	6.519	6.500	6.535	VV	66170	755644	21.70%	0.360%
63	6.560	6.535	6.589	VV	58016	997170	28.64%	0.475%
64	6.605	6.589	6.618	VV	20450	293599	8.43%	0.140%
65	6.624	6.618	6.638	VV	16889	182428	5.24%	0.087%
66	6.670	6.638	6.712	VV	63743	1387446	39.85%	0.661%
67	6.744	6.712	6.749	VV	27828	443162	12.73%	0.211%
68	6.758	6.749	6.799	VV	31070	546842	15.70%	0.260%
69	6.835	6.799	6.851	VV	34924	702043	20.16%	0.334%
70	6.872	6.851	6.886	VV	37346	589615	16.93%	0.281%
71	6.896	6.886	6.914	VV	30134	391756	11.25%	0.187%
72	6.949	6.914	6.968	VV	47470	844012	24.24%	0.402%
73	7.002	6.968	7.016	VV	33787	660074	18.96%	0.314%
74	7.033	7.016	7.054	VV	83140	980794	28.17%	0.467%
75	7.074	7.054	7.098	VV	32115	602693	17.31%	0.287%
76	7.113	7.098	7.123	VV	23173	282374	8.11%	0.134%
77	7.155	7.123	7.175	VV	74422	1179265	33.87%	0.562%
78	7.193	7.175	7.213	VV	32459	538229	15.46%	0.256%
79	7.223	7.213	7.229	VV	18007	166765	4.79%	0.079%
80	7.243	7.229	7.257	VV	22541	345653	9.93%	0.165%
81	7.283	7.257	7.303	VV	60725	1043204	29.96%	0.497%
82	7.323	7.303	7.361	VV	91975	1692152	48.60%	0.806%
83	7.391	7.361	7.422	VV	78085	1713019	49.20%	0.816%
84	7.437	7.422	7.451	VV	36187	467580	13.43%	0.223%
85	7.474	7.451	7.517	VV	93086	2023611	58.12%	0.964%
86	7.537	7.517	7.557	VV	61782	919895	26.42%	0.438%
87	7.576	7.557	7.589	VV	28239	464646	13.34%	0.221%
88	7.599	7.589	7.613	VV	26491	337148	9.68%	0.161%
89	7.629	7.613	7.645	VV	29947	474051	13.61%	0.226%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL

rteres

Manual IntegrationsAPPROVED

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90	7.675	7.645	7.689	VV	101462	1494773	42.93%	0.712%
91	7.695	7.689	7.721	VV	64221	983689	28	
92	7.737	7.721	7.743	VV	52047	557984	16	
93	7.755	7.743	7.774	VV	58807	969991	27	
94	7.784	7.774	7.817	VV	51591	882253	25	
95	7.842	7.817	7.854	VV	26943	498349	14	
96	7.874	7.854	7.908	VV	75599	1716958	49.31%	0.818%
97	7.927	7.908	7.948	VV	66463	1008698	28.97%	0.480%
98	7.971	7.948	7.984	VV	34935	583987	16.77%	0.278%
99	8.013	7.984	8.058	VV	203588	3247253	93.26%	1.547%
100	8.068	8.058	8.079	VV	33037	394066	11.32%	0.188%
101	8.092	8.079	8.101	VV	35686	435515	12.51%	0.207%
102	8.111	8.101	8.122	VV	37010	439907	12.63%	0.210%
103	8.138	8.122	8.157	VV	45218	764678	21.96%	0.364%
104	8.172	8.157	8.189	VV	43003	711160	20.42%	0.339%
105	8.221	8.189	8.243	VV	52231	1353241	38.86%	0.645%
106	8.272	8.243	8.281	VV	46036	915060	26.28%	0.436%
107	8.310	8.281	8.322	VV	78566	1512256	43.43%	0.720%
108	8.335	8.322	8.362	VV	87297	1395356	40.07%	0.665%
109	8.382	8.362	8.390	VV	144529	1625514	46.68%	0.774%
110	8.398	8.390	8.439	VV	146097	2280277	65.49%	1.086%
111	8.464	8.439	8.473	VV	38508	706614	20.29%	0.337%
112	8.504	8.473	8.521	VV	249857	3482043	100.00%	1.659%
113	8.531	8.521	8.549	VV	94131	1230703	35.34%	0.586%
114	8.564	8.549	8.584	VV	61108	1071777	30.78%	0.510%
115	8.597	8.584	8.605	VV	53601	610196	17.52%	0.291%
116	8.619	8.605	8.637	VV	60873	970067	27.86%	0.462%
117	8.659	8.637	8.721	VV	106339	3318234	95.30%	1.581%
118	8.745	8.721	8.760	VV	94451	1383704	39.74%	0.659%
119	8.776	8.760	8.789	VV	70036	1057420	30.37%	0.504%
120	8.804	8.789	8.844	VV	91511	1919771	55.13%	0.914%
121	8.887	8.844	8.923	VV	134518	2762437	79.33%	1.316%
122	8.950	8.923	8.967	VV	50436	1118789	32.13%	0.533%
123	8.981	8.967	8.994	VV	57475	841265	24.16%	0.401%
124	9.003	8.994	9.016	VV	52789	635826	18.26%	0.303%
125	9.023	9.016	9.029	VV	43869	335170	9.63%	0.160%
126	9.047	9.029	9.076	VV	76698	1561224	44.84%	0.744%
127	9.106	9.076	9.116	VV	64829	1292148	37.11%	0.615%
128	9.127	9.116	9.141	VV	66687	892329	25.63%	0.425%
129	9.153	9.141	9.167	VV	61123	801962	23.03%	0.382%
130	9.180	9.167	9.194	VV	50324	730600	20.98%	0.348%
131	9.230	9.194	9.251	VV	165059	3009581	86.43%	1.433%
132	9.265	9.251	9.287	VV	78380	1332443	38.27%	0.635%
133	9.303	9.287	9.323	VV	75463	1249304	35.88%	0.595%
134	9.355	9.323	9.369	VV	76925	1621567	46.57%	0.772%
135	9.402	9.369	9.418	VV	159298	2586304	74.28%	1.232%
136	9.441	9.418	9.486	VV	183997	3267800	93.85%	1.556%
137	9.507	9.486	9.527	VV	46381	993404	28.53%	0.473%
138	9.559	9.527	9.575	VV	149480	2343525	67.30%	1.116%
139	9.590	9.575	9.607	VV	122964	1531657	43.99%	0.730%
140	9.615	9.607	9.627	VV	41201	459678	13.20%	0.219%
141	9.642	9.627	9.655	VV	44386	672873	19.32%	0.320%

Instrument :
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rteres

142	9.675	9.655	9.679	VV	72750	804756	23.11%	0.383%
143	9.696	9.679	9.731	VV	146281	2526148	72	
144	9.744	9.731	9.759	VV	49218	792731	22	
145	9.778	9.759	9.791	VV	57395	925194	26	
146	9.805	9.791	9.828	VV	71243	1176730	33	
147	9.860	9.828	9.887	VV	126828	2511343	72	
148	9.899	9.887	9.913	VV	51966	732982	21.05%	0.349%
149	9.930	9.913	9.944	VV	66093	1005213	28.87%	0.479%
150	9.960	9.944	9.970	VV	75447	993718	28.54%	0.473%
151	9.985	9.970	10.005	VV	103639	1616882	46.43%	0.770%
152	10.022	10.005	10.043	VV	60822	1170863	33.63%	0.558%
153	10.060	10.043	10.083	VV	58607	1169994	33.60%	0.557%
154	10.107	10.083	10.128	VV	77846	1698405	48.78%	0.809%
155	10.154	10.128	10.172	VV	69867	1586258	45.56%	0.756%
156	10.201	10.172	10.223	VV	86081	2086670	59.93%	0.994%
157	10.230	10.223	10.247	VV	48685	640759	18.40%	0.305%
158	10.261	10.247	10.278	VV	46690	801292	23.01%	0.382%
159	10.302	10.278	10.338	VV	58975	1618985	46.50%	0.771%
160	10.367	10.338	10.417	VV	87201	2361752	67.83%	1.125%
161	10.430	10.417	10.444	VV	32696	509434	14.63%	0.243%
162	10.470	10.444	10.488	VV	44650	973004	27.94%	0.463%
163	10.494	10.488	10.501	VV	34926	287904	8.27%	0.137%
164	10.525	10.501	10.561	VV	89861	1783437	51.22%	0.849%
165	10.584	10.561	10.609	VV	68313	1456485	41.83%	0.694%
166	10.635	10.609	10.646	VV	89451	1431811	41.12%	0.682%
167	10.661	10.646	10.685	VV	100194	1663069	47.76%	0.792%
168	10.705	10.685	10.754	VV	121056	2575673	73.97%	1.227%
169	10.781	10.754	10.791	VV	87983	1410109	40.50%	0.672%
170	10.799	10.791	10.821	VV	85402	1279632	36.75%	0.609%
171	10.844	10.821	10.867	VV	84212	1746489	50.16%	0.832%
172	10.880	10.867	10.896	VV	59295	911115	26.17%	0.434%
173	10.916	10.896	10.934	VV	63047	1263193	36.28%	0.602%
174	10.952	10.934	10.969	VV	74752	1229132	35.30%	0.585%
175	11.008	10.969	11.031	VV	102480	2426914	69.70%	1.156%
176	11.059	11.031	11.077	VV	52569	1349245	38.75%	0.643%
177	11.086	11.077	11.103	VV	47584	658402	18.91%	0.314%
178	11.146	11.103	11.164	VV	54323	1610186	46.24%	0.767%
179	11.184	11.164	11.204	VV	67592	1302679	37.41%	0.620%
180	11.218	11.204	11.244	VV	46880	971674	27.91%	0.463%
181	11.268	11.244	11.303	VV	47933	1428030	41.01%	0.680%
182	11.327	11.303	11.346	VV	38806	896357	25.74%	0.427%
183	11.366	11.346	11.385	VV	46666	936973	26.91%	0.446%
184	11.405	11.385	11.425	VV	51011	1018722	29.26%	0.485%
185	11.438	11.425	11.452	VV	38333	607513	17.45%	0.289%
186	11.467	11.452	11.471	VV	41750	452025	12.98%	0.215%
187	11.496	11.471	11.517	VV	72665	1469188	42.19%	0.700%
188	11.546	11.517	11.566	VV	62059	1473536	42.32%	0.702%
189	11.580	11.566	11.629	VV	57380	1802707	51.77%	0.859%
190	11.634	11.629	11.645	VV	39677	359926	10.34%	0.171%
191	11.664	11.645	11.694	VV	57218	1444618	41.49%	0.688%
192	11.710	11.694	11.721	VV	62749	918608	26.38%	0.438%
193	11.732	11.721	11.754	VV	58328	957312	27.49%	0.456%
194	11.783	11.754	11.804	VV	52338	1190330	34.18%	0.567%

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rteres

195	11.840	11.804	11.865	VV	63534	1660782	47.70%	0.791%
196	11.878	11.865	11.899	VV	42569	771442	22	
197	11.927	11.899	11.936	VV	35278	734456	21	
198	11.958	11.936	11.974	VV	95224	1424734	40	
199	11.989	11.974	12.004	VV	69279	1020690	29	
200	12.020	12.004	12.061	VV	80233	1488368	42	
201	12.085	12.061	12.113	VV	41270	1069939	30.73%	0.510%
202	12.139	12.113	12.155	VV	65138	1153252	33.12%	0.549%
203	12.172	12.155	12.221	VV	58600	1585173	45.52%	0.755%
204	12.244	12.221	12.260	VV	34621	716245	20.57%	0.341%
205	12.289	12.260	12.311	VV	44881	1127303	32.37%	0.537%
206	12.329	12.311	12.347	VV	42593	780508	22.42%	0.372%
207	12.355	12.347	12.374	VV	31109	489642	14.06%	0.233%
208	12.391	12.374	12.408	VV	34784	620552	17.82%	0.296%
209	12.430	12.408	12.453	VV	30794	749625	21.53%	0.357%
210	12.465	12.453	12.474	VV	27746	328810	9.44%	0.157%
211	12.491	12.474	12.506	VV	35390	577331	16.58%	0.275%
212	12.525	12.506	12.544	VV	39950	764184	21.95%	0.364%
213	12.555	12.544	12.578	VV	31359	531925	15.28%	0.253%
214	12.609	12.578	12.626	VV	29392	724971	20.82%	0.345%
215	12.640	12.626	12.653	VV	26434	407469	11.70%	0.194%
216	12.670	12.653	12.700	VV	28930	731114	21.00%	0.348%
217	12.735	12.700	12.759	VV	33933	949824	27.28%	0.452%
218	12.781	12.759	12.821	VV	46736	1211130	34.78%	0.577%
219	12.860	12.821	12.870	VV	25739	676072	19.42%	0.322%
220	12.891	12.870	12.911	VV	61775	1031421	29.62%	0.491%
221	12.927	12.911	12.943	VV	37382	618416	17.76%	0.295%
222	12.955	12.943	12.985	VV	31363	617018	17.72%	0.294%
223	13.006	12.985	13.020	VV	30653	510271	14.65%	0.243%
224	13.026	13.020	13.057	VV	22874	425661	12.22%	0.203%
225	13.065	13.057	13.078	VV	16490	199676	5.73%	0.095%
226	13.110	13.078	13.118	VV	18029	401910	11.54%	0.191%
227	13.133	13.118	13.154	VV	22181	400508	11.50%	0.191%
228	13.164	13.154	13.180	VV	15305	233450	6.70%	0.111%
229	13.200	13.180	13.218	VV	16841	346224	9.94%	0.165%
230	13.228	13.218	13.238	VV	15263	177244	5.09%	0.084%
231	13.256	13.238	13.282	VV	16412	388604	11.16%	0.185%
232	13.302	13.282	13.355	VV	22139	670001	19.24%	0.319%
233	13.397	13.355	13.425	VV	25913	696595	20.01%	0.332%
234	13.449	13.425	13.470	VV	17869	410698	11.79%	0.196%
235	13.478	13.470	13.502	VV	14793	266081	7.64%	0.127%
236	13.513	13.502	13.534	VV	12925	215704	6.19%	0.103%
237	13.546	13.534	13.556	VV	9690	129527	3.72%	0.062%
238	13.590	13.556	13.615	VV	17575	494778	14.21%	0.236%
239	13.637	13.615	13.683	VV	20565	519765	14.93%	0.248%
240	13.702	13.683	13.716	VV	13851	222859	6.40%	0.106%
241	13.735	13.716	13.760	VV	13828	280369	8.05%	0.134%
242	13.781	13.760	13.786	VV	9169	138546	3.98%	0.066%
243	13.809	13.786	13.837	VV	9760	275410	7.91%	0.131%
244	13.851	13.837	13.872	VV	9109	177482	5.10%	0.085%
245	13.891	13.872	13.929	VV	9862	273082	7.84%	0.130%
246	13.939	13.929	13.956	VV	6889	105938	3.04%	0.050%

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rteres

247	13.964	13.956	13.983	VV	6196	93625	2.69%	0.045%
248	14.009	13.983	14.028	VV	7084	176439	5	
249	14.041	14.028	14.056	VV	7730	116543	3	
250	14.070	14.056	14.074	VV	6893	73578	2	
251	14.086	14.074	14.120	VV	7392	175373	5	
252	14.126	14.120	14.137	VV	5375	54057	1	
253	14.168	14.137	14.188	VV	7942	186437	5.35%	0.089%
254	14.210	14.188	14.231	VV	5808	131930	3.79%	0.063%
255	14.251	14.231	14.328	VV	4661	233126	6.70%	0.111%
256	14.353	14.328	14.365	VV	4339	83476	2.40%	0.040%
257	14.370	14.365	14.390	VV	3959	56388	1.62%	0.027%
258	14.394	14.390	14.425	VV	3893	72031	2.07%	0.034%
259	14.457	14.425	14.489	VV	3603	120509	3.46%	0.057%
260	14.511	14.489	14.535	VV	4241	94514	2.71%	0.045%
261	14.545	14.535	14.568	VV	2874	52189	1.50%	0.025%
262	14.584	14.568	14.596	VV	3084	49679	1.43%	0.024%
263	14.609	14.596	14.690	VV	3089	139027	3.99%	0.066%
264	14.715	14.690	14.748	VV	2827	86510	2.48%	0.041%
265	14.754	14.748	14.788	VV	2289	48260	1.39%	0.023%
266	14.807	14.788	14.822	VV	2319	43341	1.24%	0.021%
267	14.836	14.822	14.853	VV	2582	44696	1.28%	0.021%
268	14.871	14.853	14.940	VV	2628	98136	2.82%	0.047%
269	14.947	14.940	14.956	VV	1352	12890	0.37%	0.006%
270	14.963	14.956	14.968	VV	1421	9422	0.27%	0.004%
271	14.971	14.968	14.976	VV	1374	6444	0.19%	0.003%
272	14.993	14.976	15.017	VV	1728	37709	1.08%	0.018%
273	15.031	15.017	15.064	VV	1493	36849	1.06%	0.018%
274	15.069	15.064	15.085	VV	1259	13975	0.40%	0.007%
275	15.099	15.085	15.113	VV	1208	18713	0.54%	0.009%
276	15.118	15.113	15.124	VV	962	5759	0.17%	0.003%
277	15.133	15.124	15.138	VV	1004	7929	0.23%	0.004%
278	15.156	15.138	15.163	VV	1094	15262	0.44%	0.007%
279	15.180	15.163	15.201	VV	2026	33268	0.96%	0.016%
280	15.221	15.201	15.238	VV	2191	35574	1.02%	0.017%
281	15.254	15.238	15.282	VV	1676	34126	0.98%	0.016%
282	15.295	15.282	15.320	VV	1025	19720	0.57%	0.009%
283	15.336	15.320	15.374	VV	1065	28803	0.83%	0.014%
284	15.380	15.374	15.386	VV	827	5889	0.17%	0.003%
285	15.392	15.386	15.419	VV	874	14520	0.42%	0.007%
286	15.424	15.419	15.454	VV	705	12240	0.35%	0.006%
287	15.489	15.454	15.513	VV	745	19818	0.57%	0.009%
288	15.517	15.513	15.525	VV	400	2614	0.08%	0.001%
289	15.531	15.525	15.536	VV	346	2267	0.07%	0.001%
290	15.544	15.536	15.568	VV	440	7454	0.21%	0.004%
291	15.577	15.568	15.582	VV	355	2610	0.07%	0.001%
292	15.636	15.582	15.661	VV	1140	31627	0.91%	0.015%
293	15.679	15.661	15.717	VV	1129	27500	0.79%	0.013%
294	15.722	15.717	15.731	VV	401	3183	0.09%	0.002%
295	15.736	15.731	15.745	VV	412	3191	0.09%	0.002%
296	15.781	15.745	15.786	VV	727	11078	0.32%	0.005%
297	15.792	15.786	15.837	VV	704	14584	0.42%	0.007%
298	15.856	15.837	15.876	VV	546	8660	0.25%	0.004%
299	15.894	15.876	15.900	VV	342	3831	0.11%	0.002%

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300	15.903	15.900	15.935	VV	282	4256	0.12%	0.002%
301	15.944	15.935	15.951	VV	178	1508		
302	15.996	15.951	16.008	VV	349	9576		
303	16.022	16.008	16.036	VV	385	5018		
304	16.062	16.036	16.081	VV	525	10324		
305	16.089	16.081	16.122	VV	364	6760		
306	16.143	16.122	16.171	VV	333	7902	0.23%	0.004%
307	16.175	16.171	16.197	VV	255	3460	0.10%	0.002%
308	16.201	16.197	16.209	VV	190	1018	0.03%	0.000%
309	16.227	16.209	16.231	VV	222	2325	0.07%	0.001%
310	16.244	16.231	16.255	VV	316	3683	0.11%	0.002%
311	16.277	16.255	16.321	VV	690	12145	0.35%	0.006%
312	16.338	16.321	16.355	VV	242	3374	0.10%	0.002%
313	16.365	16.355	16.401	VV	173	2451	0.07%	0.001%
314	16.428	16.401	16.440	PV	467	7328	0.21%	0.003%
315	16.457	16.440	16.488	VV	594	11147	0.32%	0.005%
316	16.497	16.488	16.515	VV	233	2505	0.07%	0.001%
317	16.561	16.515	16.593	VV	251	6544	0.19%	0.003%
318	16.600	16.593	16.606	VV	166	1132	0.03%	0.001%
319	16.608	16.606	16.630	VV	160	1561	0.04%	0.001%
320	16.660	16.630	16.690	VV	289	4877	0.14%	0.002%
321	16.737	16.704	16.751	PV	932	13330	0.38%	0.006%
322	16.766	16.751	16.788	VV	1245	15959	0.46%	0.008%
323	16.810	16.788	16.824	VV	476	7352	0.21%	0.004%
324	16.842	16.824	16.865	VV	954	12798	0.37%	0.006%
325	16.876	16.865	16.881	VV	184	1251	0.04%	0.001%
326	16.893	16.881	16.898	VV	244	1974	0.06%	0.001%
327	16.918	16.898	16.926	VV	259	3440	0.10%	0.002%
328	16.931	16.926	16.949	VV	193	1871	0.05%	0.001%
329	16.980	16.962	17.020	VV	178	3954	0.11%	0.002%
330	17.062	17.020	17.085	VV	316	6792	0.20%	0.003%
331	17.117	17.085	17.158	VV	1273	24050	0.69%	0.011%
332	17.179	17.158	17.209	VV	553	12103	0.35%	0.006%
333	17.228	17.209	17.259	VV	1164	18031	0.52%	0.009%
334	17.280	17.259	17.305	VV	871	12487	0.36%	0.006%
335	17.328	17.318	17.333	VV	195	1039	0.03%	0.000%
336	17.341	17.333	17.351	VV	164	1444	0.04%	0.001%
337	17.355	17.351	17.371	VV	139	1205	0.03%	0.001%
338	17.428	17.409	17.435	VV	121	1317	0.04%	0.001%
339	17.480	17.451	17.486	VV	185	2843	0.08%	0.001%
340	17.511	17.486	17.549	VV	563	12488	0.36%	0.006%
341	17.571	17.549	17.578	VV	279	4206	0.12%	0.002%
342	17.598	17.578	17.603	VV	272	3442	0.10%	0.002%
343	17.609	17.603	17.636	VV	296	4174	0.12%	0.002%
344	17.679	17.636	17.713	VV	1300	21143	0.61%	0.010%
345	17.786	17.749	17.824	PV	568	10613	0.30%	0.005%
346	17.855	17.824	17.884	VV	478	9031	0.26%	0.004%
347	17.897	17.895	17.940	VV	200	2225	0.06%	0.001%
348	17.961	17.952	17.981	VV	85	1054	0.03%	0.001%
349	18.053	18.017	18.065	PV	124	1837	0.05%	0.001%
350	18.117	18.065	18.142	VV	2065	30670	0.88%	0.015%
351	18.171	18.142	18.189	PV	375	5562	0.16%	0.003%

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                                          rteres
 352 18.205  18.189  18.228  VV      248      3531   0.10%  0.002%
 353 18.245  18.228  18.251  PBA      61      1044   0
                       Sum of corrected areas:   209

Aromatic EPH 102124.M Mon Nov 04 01:18:57 2024
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-1DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-01DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.2	
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
FG014599.D	20	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	46.1		7.37	16.4	mg/kg
Aromatic C12-C16	Aromatic C12-C16	242		8.36	24.6	mg/kg
Aromatic C16-C21	Aromatic C16-C21	431		23.6	41.0	mg/kg
Aromatic C21-C36	Aromatic C21-C36	49.2	U	49.2	65.6	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	5.47		40 - 140	219%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	5.30		40 - 140	212%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.92		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:	P4599-01DL2	Acq On:	31 Oct 2024 09:30
Client Sample ID:	EX-1-TPH-1DL2	Operator:	YP\AJ
Data file:	FG014599.D	Misc:	
Instrument:	FID_G	ALS Vial:	35
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	3926134	28.145	200	ug/ml
Aromatic C12-C16	6.386	9.086	21542948	148.109	300	ug/ml
Aromatic C16-C21	9.087	13.404	38150874	263.423	500	ug/ml
Aromatic C21-C36	13.405	18.847	921913	6.486	800	ug/ml
Aromatic EPH	4.516	18.847	64541869	446.164		ug/ml
ortho-Terphenyl (SURR)	11.955	11.955	284541	1.92		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	687108	5.47		ug/ml
2-Flurobiphenyl (SURR)	8.885	8.885	456323	5.3		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014599.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 09:30
Operator : YP\AJ
Sample : P4599-01DL2 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:25:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	687108	5.473 ug/mlm
Spiked Amount 50.000		Recovery =	10.95%
6) S 2-Flurobiphenyl (SURR)	8.885	456323	5.298 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	10.60%
11) S ortho-Terphenyl (SURR)	11.955	284541	1.922 ug/mlm
Spiked Amount 50.000		Recovery =	3.84%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014599.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 09:30
Operator : YP\AJ
Sample : P4599-01DL2 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

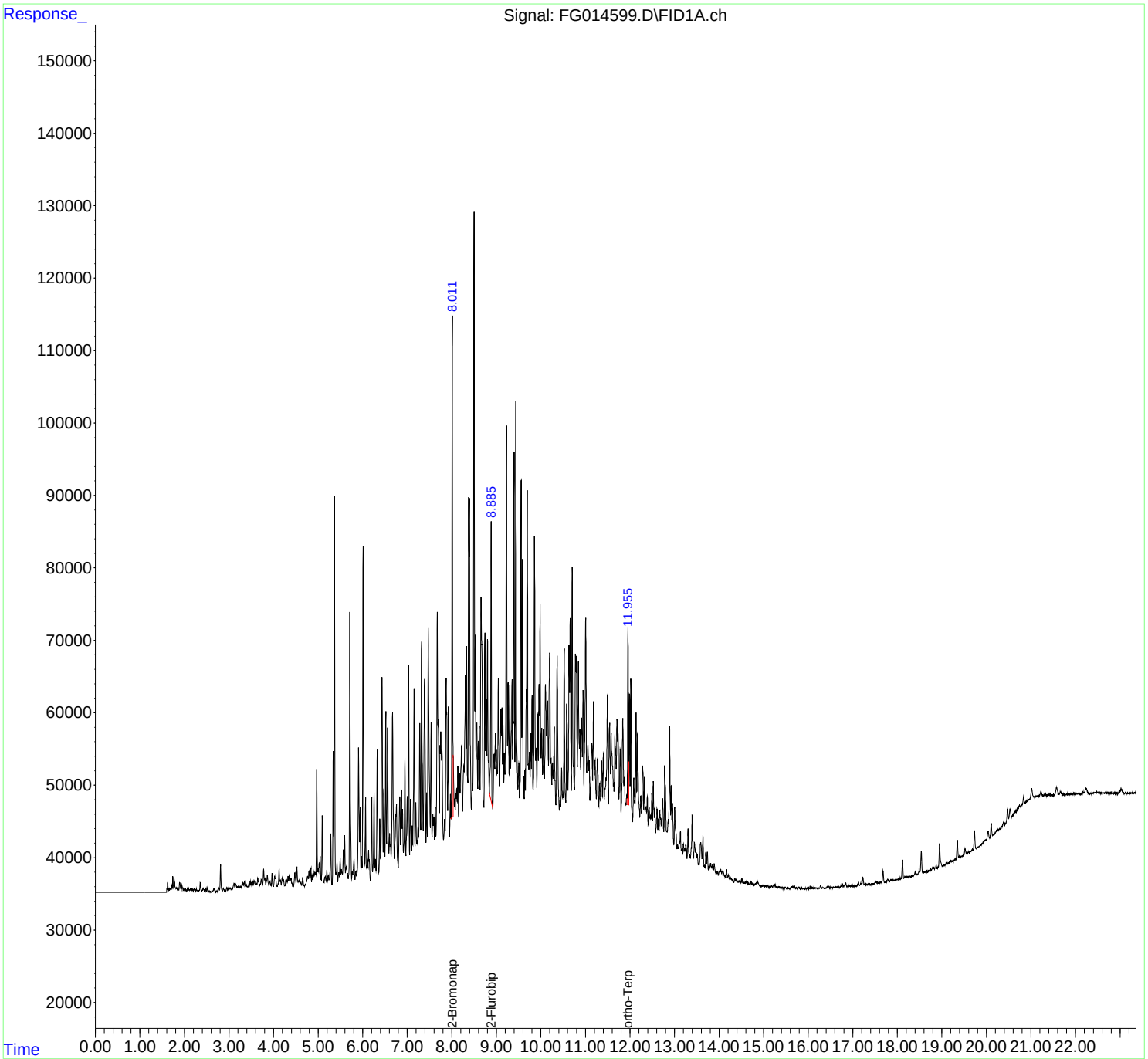
Integration File: autoint1.e
Quant Time: Nov 01 01:25:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

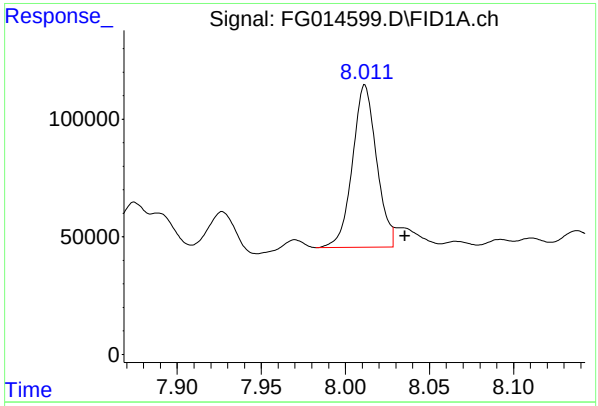
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

Manual Integrations APPROVED

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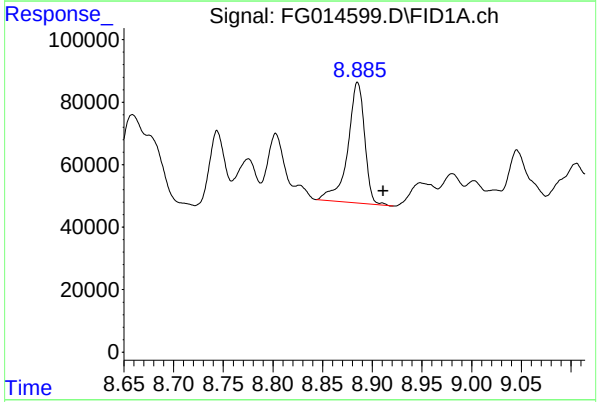
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.024 min
Response: 687108
Conc: 5.47 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

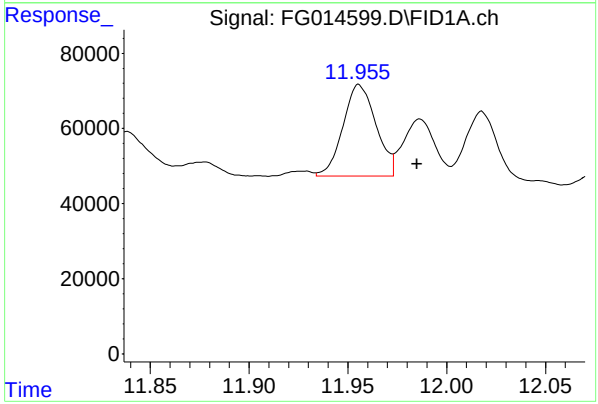
Manual Integrations APPROVED

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#6 2-Flurobiphenyl (SURR)

R.T.: 8.885 min
Delta R.T.: -0.026 min
Response: 456323
Conc: 5.30 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.955 min
Delta R.T.: -0.030 min
Response: 284541
Conc: 1.92 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014599.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 09:30
Sample : P4599-01DL2 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.277	4.250	4.287	BV	815	9022	0.73%	0.014%
2	4.300	4.287	4.311	VV	836	9968	0.81%	0.015%
3	4.326	4.311	4.339	VV	1379	16704	1.35%	0.025%
4	4.354	4.339	4.370	VV	1469	20493	1.66%	0.031%
5	4.391	4.370	4.438	VV	1105	25645	2.08%	0.039%
6	4.478	4.438	4.504	PV	1979	35821	2.90%	0.055%
7	4.524	4.504	4.548	VV	2796	38944	3.16%	0.059%
8	4.565	4.548	4.578	VV	875	13890	1.13%	0.021%
9	4.580	4.578	4.607	VV	849	11834	0.96%	0.018%
10	4.613	4.607	4.632	VV	599	6399	0.52%	0.010%
11	4.655	4.632	4.680	VV	1271	17892	1.45%	0.027%
12	4.685	4.680	4.699	VV	110	1066	0.09%	0.002%
13	4.713	4.699	4.724	VV	247	3031	0.25%	0.005%
14	4.764	4.724	4.778	VV	1364	29494	2.39%	0.045%
15	4.795	4.778	4.821	VV	2095	37398	3.03%	0.057%
16	4.839	4.821	4.853	VV	2445	29850	2.42%	0.046%
17	4.866	4.853	4.877	VV	1524	16179	1.31%	0.025%
18	4.893	4.877	4.911	VV	2141	32250	2.61%	0.049%
19	4.926	4.911	4.935	VV	1861	23857	1.93%	0.036%
20	4.945	4.935	4.952	VV	1820	17480	1.42%	0.027%
21	4.970	4.952	4.991	VV	16070	177083	14.35%	0.270%
22	5.002	4.991	5.012	VV	2310	26009	2.11%	0.040%
23	5.024	5.012	5.034	VV	3135	34649	2.81%	0.053%
24	5.047	5.034	5.073	VV	4010	54895	4.45%	0.084%
25	5.094	5.073	5.133	VV	9628	115788	9.39%	0.177%
26	5.162	5.133	5.180	VV	1170	23135	1.88%	0.035%
27	5.196	5.180	5.214	VV	2098	25799	2.09%	0.039%
28	5.228	5.214	5.242	VV	1313	15961	1.29%	0.024%
29	5.285	5.242	5.315	VV	7090	96797	7.85%	0.148%
30	5.340	5.315	5.351	PV	18362	177749	14.41%	0.271%
31	5.367	5.351	5.396	VV	53564	546885	44.33%	0.834%
32	5.405	5.396	5.410	VV	1553	12465	1.01%	0.019%
33	5.425	5.410	5.442	VV	3032	35592	2.89%	0.054%
34	5.463	5.442	5.477	VV	1599	23638	1.92%	0.036%
35	5.495	5.477	5.513	VV	3190	47657	3.86%	0.073%
36	5.525	5.513	5.547	VV	2009	32459	2.63%	0.050%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

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37	5.568	5.547	5.581	VV	4667	58075	4.71%	0.089%
38	5.596	5.581	5.614	VV	6631	79355	6	
39	5.638	5.614	5.654	VV	2383	46252	3	
40	5.660	5.654	5.677	VV	1330	14252	1	
41	5.713	5.677	5.753	VV	37332	459319	37	
42	5.769	5.753	5.779	VV	1516	17453	1	
43	5.806	5.779	5.829	VV	3187	55177	4.47%	0.084%
44	5.848	5.829	5.862	VV	1468	19887	1.61%	0.030%
45	5.909	5.862	5.932	VV	18482	292286	23.69%	0.446%
46	5.943	5.932	5.963	VV	10215	111515	9.04%	0.170%
47	5.977	5.963	5.989	VV	3478	40290	3.27%	0.061%
48	6.009	5.989	6.047	VV	46169	553451	44.86%	0.844%
49	6.066	6.047	6.084	VV	11504	126321	10.24%	0.193%
50	6.089	6.084	6.097	VV	1919	13901	1.13%	0.021%
51	6.110	6.097	6.120	VV	2663	29489	2.39%	0.045%
52	6.134	6.120	6.145	VV	4240	47682	3.87%	0.073%
53	6.151	6.145	6.177	VV	2907	26821	2.17%	0.041%
54	6.286	6.275	6.302	PV	1383	11141	0.90%	0.017%
55	6.327	6.302	6.364	PV	16767	197342	16.00%	0.301%
56	6.386	6.364	6.405	PV	7428	84705	6.87%	0.129%
57	6.435	6.405	6.462	VV	26912	449212	36.41%	0.685%
58	6.477	6.462	6.501	VV	11592	155855	12.63%	0.238%
59	6.520	6.501	6.536	VV	22236	236733	19.19%	0.361%
60	6.562	6.536	6.589	VV	20006	299506	24.28%	0.457%
61	6.606	6.589	6.619	VV	5408	73049	5.92%	0.111%
62	6.625	6.619	6.639	VV	3940	40766	3.30%	0.062%
63	6.671	6.639	6.713	VV	22115	417787	33.87%	0.637%
64	6.746	6.713	6.750	VV	8018	113057	9.16%	0.172%
65	6.760	6.750	6.799	VV	9466	132621	10.75%	0.202%
66	6.835	6.799	6.852	VV	10486	190351	15.43%	0.290%
67	6.872	6.852	6.886	VV	11398	170517	13.82%	0.260%
68	6.897	6.886	6.916	VV	8735	107147	8.69%	0.163%
69	6.949	6.916	6.969	VV	15766	237868	19.28%	0.363%
70	7.002	6.969	7.016	VV	10516	179318	14.54%	0.273%
71	7.033	7.016	7.054	VV	28488	313942	25.45%	0.479%
72	7.076	7.054	7.099	VV	10114	163300	13.24%	0.249%
73	7.113	7.099	7.124	VV	6455	70857	5.74%	0.108%
74	7.155	7.124	7.175	VV	25373	369936	29.99%	0.564%
75	7.194	7.175	7.213	VV	9645	148291	12.02%	0.226%
76	7.220	7.213	7.229	VV	4417	39324	3.19%	0.060%
77	7.245	7.229	7.257	VV	6371	91173	7.39%	0.139%
78	7.283	7.257	7.304	VV	20497	330618	26.80%	0.504%
79	7.324	7.304	7.361	VV	31813	555172	45.00%	0.847%
80	7.392	7.361	7.423	VV	26660	561817	45.54%	0.857%
81	7.438	7.423	7.452	VV	10964	132705	10.76%	0.202%
82	7.473	7.452	7.518	VV	33717	670431	54.34%	1.022%
83	7.538	7.518	7.557	VV	20656	286743	23.24%	0.437%
84	7.576	7.557	7.588	VV	8034	124582	10.10%	0.190%
85	7.599	7.588	7.613	VV	7608	96296	7.81%	0.147%
86	7.629	7.613	7.645	VV	8962	130169	10.55%	0.199%
87	7.675	7.645	7.690	VV	35888	507786	41.16%	0.774%
88	7.696	7.690	7.722	VV	21024	313165	25.38%	0.478%
89	7.737	7.722	7.744	VV	17510	184147	14.93%	0.281%

Instrument :
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ClientSampleId :
EX-1-TPH-1DL2

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90	7.755	7.744	7.775	VV	19404	317903	25.77%	0.485%
91	7.783	7.775	7.815	VV	16738	255275	20	
92	7.842	7.815	7.854	VV	7327	137700	11	
93	7.875	7.854	7.909	VV	26811	567595	46	
94	7.927	7.909	7.948	VV	22801	320224	25	
95	7.970	7.948	7.984	VV	10757	167957	13	
96	8.012	7.984	8.057	VV	76737	1110522	90.02%	1.694%
97	8.066	8.057	8.079	VV	10120	126100	10.22%	0.192%
98	8.092	8.079	8.100	VV	10894	128884	10.45%	0.197%
99	8.111	8.100	8.122	VV	11493	140712	11.41%	0.215%
100	8.138	8.122	8.156	VV	14639	234515	19.01%	0.358%
101	8.173	8.156	8.188	VV	13673	216347	17.54%	0.330%
102	8.220	8.188	8.241	VV	17387	427612	34.66%	0.652%
103	8.269	8.241	8.278	VV	14611	272871	22.12%	0.416%
104	8.309	8.278	8.322	VV	27221	529985	42.96%	0.808%
105	8.335	8.322	8.361	VV	31193	462689	37.50%	0.706%
106	8.380	8.361	8.388	VV	51656	548837	44.49%	0.837%
107	8.396	8.388	8.439	VV	51671	807299	65.44%	1.231%
108	8.464	8.439	8.472	VV	12203	217082	17.60%	0.331%
109	8.502	8.472	8.519	VV	91190	1233676	100.00%	1.881%
110	8.529	8.519	8.549	VV	32643	424816	34.43%	0.648%
111	8.563	8.549	8.583	VV	20529	352214	28.55%	0.537%
112	8.596	8.583	8.605	VV	18071	204805	16.60%	0.312%
113	8.617	8.605	8.636	VV	20123	310119	25.14%	0.473%
114	8.659	8.636	8.721	VV	37971	1130173	91.61%	1.724%
115	8.744	8.721	8.759	VV	32938	458054	37.13%	0.699%
116	8.775	8.759	8.788	VV	23853	352761	28.59%	0.538%
117	8.803	8.788	8.822	VV	32019	469833	38.08%	0.717%
118	8.827	8.822	8.844	VV	15426	174157	14.12%	0.266%
119	8.885	8.844	8.921	VV	48347	909539	73.73%	1.387%
120	8.949	8.921	8.966	VV	16194	357596	28.99%	0.545%
121	8.981	8.966	8.993	VV	19077	275249	22.31%	0.420%
122	9.002	8.993	9.015	VV	16825	207365	16.81%	0.316%
123	9.023	9.015	9.030	VV	13882	123360	10.00%	0.188%
124	9.046	9.030	9.075	VV	26734	499715	40.51%	0.762%
125	9.105	9.075	9.116	VV	22382	435881	35.33%	0.665%
126	9.126	9.116	9.140	VV	22676	288628	23.40%	0.440%
127	9.152	9.140	9.167	VV	20221	263540	21.36%	0.402%
128	9.180	9.167	9.193	VV	16448	229742	18.62%	0.350%
129	9.228	9.193	9.250	VV	61543	1041807	84.45%	1.589%
130	9.264	9.250	9.287	VV	26130	452386	36.67%	0.690%
131	9.302	9.287	9.323	VV	25712	425668	34.50%	0.649%
132	9.354	9.323	9.367	VV	26515	526201	42.65%	0.803%
133	9.400	9.367	9.417	VV	57929	904226	73.30%	1.379%
134	9.440	9.417	9.486	VV	64986	1136428	92.12%	1.733%
135	9.506	9.486	9.524	VV	14943	289622	23.48%	0.442%
136	9.558	9.524	9.574	VV	54005	813975	65.98%	1.241%
137	9.588	9.574	9.606	VV	42999	527418	42.75%	0.804%
138	9.613	9.606	9.626	VV	13217	147098	11.92%	0.224%
139	9.641	9.626	9.654	VV	13983	208100	16.87%	0.317%
140	9.673	9.654	9.679	VV	25137	279355	22.64%	0.426%
141	9.695	9.679	9.728	VV	52577	843023	68.33%	1.286%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

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142	9.743	9.728	9.760	VV	16487	287776	23.33%	0.439%
143	9.777	9.760	9.789	VV	19101	277022	22	
144	9.803	9.789	9.828	VV	24232	392982	31	
145	9.857	9.828	9.887	VV	46223	855977	69	
146	9.898	9.887	9.912	VV	16979	231007	18	
147	9.929	9.912	9.943	VV	21665	327473	26	
148	9.959	9.943	9.969	VV	25826	336793	27.30%	0.514%
149	9.983	9.969	10.004	VV	36816	551460	44.70%	0.841%
150	10.021	10.004	10.040	VV	19777	373510	30.28%	0.570%
151	10.059	10.040	10.081	VV	19627	383368	31.08%	0.585%
152	10.103	10.081	10.127	VV	25807	567773	46.02%	0.866%
153	10.151	10.127	10.170	VV	23555	534602	43.33%	0.815%
154	10.199	10.170	10.221	VV	30179	695721	56.39%	1.061%
155	10.228	10.221	10.246	VV	15662	217687	17.65%	0.332%
156	10.261	10.246	10.278	VV	14945	259452	21.03%	0.396%
157	10.300	10.278	10.337	VV	19980	508819	41.24%	0.776%
158	10.365	10.337	10.415	VV	29746	760486	61.64%	1.160%
159	10.429	10.415	10.445	VV	9785	164775	13.36%	0.251%
160	10.468	10.445	10.484	VV	14257	269193	21.82%	0.411%
161	10.490	10.484	10.500	VV	10494	97022	7.86%	0.148%
162	10.524	10.500	10.559	VV	30732	578802	46.92%	0.883%
163	10.583	10.559	10.607	VV	23129	467083	37.86%	0.712%
164	10.633	10.607	10.645	VV	31203	488193	39.57%	0.745%
165	10.659	10.645	10.684	VV	34933	558408	45.26%	0.852%
166	10.703	10.684	10.754	VV	41990	871866	70.67%	1.330%
167	10.778	10.754	10.789	VV	29996	463208	37.55%	0.706%
168	10.798	10.789	10.819	VV	29626	427302	34.64%	0.652%
169	10.842	10.819	10.867	VV	28918	600589	48.68%	0.916%
170	10.878	10.867	10.893	VV	19491	281503	22.82%	0.429%
171	10.915	10.893	10.931	VV	21160	414933	33.63%	0.633%
172	10.949	10.931	10.968	VV	24947	414763	33.62%	0.633%
173	11.006	10.968	11.029	VV	35018	810970	65.74%	1.237%
174	11.056	11.029	11.075	VV	17336	428562	34.74%	0.654%
175	11.083	11.075	11.101	VV	15317	210521	17.06%	0.321%
176	11.146	11.101	11.162	VV	17678	505550	40.98%	0.771%
177	11.181	11.162	11.200	VV	23375	400156	32.44%	0.610%
178	11.217	11.200	11.245	VV	15314	347955	28.20%	0.531%
179	11.268	11.245	11.301	VV	15409	423490	34.33%	0.646%
180	11.323	11.301	11.343	VV	12066	268888	21.80%	0.410%
181	11.364	11.343	11.383	VV	15227	297090	24.08%	0.453%
182	11.403	11.383	11.423	VV	16243	312060	25.30%	0.476%
183	11.464	11.423	11.470	VV	12884	328766	26.65%	0.501%
184	11.494	11.470	11.515	VV	24111	470956	38.17%	0.718%
185	11.544	11.515	11.564	VV	20414	469444	38.05%	0.716%
186	11.579	11.564	11.626	VV	18961	579049	46.94%	0.883%
187	11.633	11.626	11.643	VV	12063	117998	9.56%	0.180%
188	11.663	11.643	11.692	VV	18947	460579	37.33%	0.702%
189	11.708	11.692	11.721	VV	20891	312736	25.35%	0.477%
190	11.730	11.721	11.752	VV	19155	297535	24.12%	0.454%
191	11.780	11.752	11.802	VV	16741	370320	30.02%	0.565%
192	11.838	11.802	11.862	VV	21052	513688	41.64%	0.783%
193	11.877	11.862	11.909	VV	12872	309383	25.08%	0.472%
194	11.927	11.909	11.934	VV	10424	145685	11.81%	0.222%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
195	11.956	11.934	11.973	VV	33605	497619	40.34%	0.759%
196	11.986	11.973	12.002	VV	24359	327334	26	
197	12.018	12.002	12.059	VV	26428	470029	38	
198	12.086	12.059	12.112	VV	12798	322959	26	
199	12.137	12.112	12.153	VV	21802	363420	29	
200	12.169	12.153	12.219	VV	18855	486914	39	
201	12.242	12.219	12.260	VV	10324	218182	17.69%	0.333%
202	12.286	12.260	12.310	VV	14481	335886	27.23%	0.512%
203	12.327	12.310	12.346	VV	12945	225986	18.32%	0.345%
204	12.356	12.346	12.372	VV	8826	136297	11.05%	0.208%
205	12.389	12.372	12.407	VV	10225	178622	14.48%	0.272%
206	12.429	12.407	12.446	VV	8776	178491	14.47%	0.272%
207	12.451	12.446	12.454	VV	7372	35944	2.91%	0.055%
208	12.462	12.454	12.473	VV	7577	85783	6.95%	0.131%
209	12.490	12.473	12.505	VV	10660	164172	13.31%	0.250%
210	12.523	12.505	12.544	VV	12308	224229	18.18%	0.342%
211	12.555	12.544	12.575	VV	8586	134519	10.90%	0.205%
212	12.606	12.575	12.624	VV	8479	199261	16.15%	0.304%
213	12.637	12.624	12.652	VV	7094	109019	8.84%	0.166%
214	12.670	12.652	12.700	VV	8262	202371	16.40%	0.309%
215	12.713	12.700	12.719	VV	7191	79390	6.44%	0.121%
216	12.734	12.719	12.757	VV	9923	177686	14.40%	0.271%
217	12.780	12.757	12.821	VV	14487	355668	28.83%	0.542%
218	12.828	12.821	12.837	VV	5437	52280	4.24%	0.080%
219	12.857	12.837	12.867	VV	7081	112564	9.12%	0.172%
220	12.889	12.867	12.910	VV	19862	327461	26.54%	0.499%
221	12.925	12.910	12.941	VV	11703	173914	14.10%	0.265%
222	12.953	12.941	12.985	VV	9264	169720	13.76%	0.259%
223	13.004	12.985	13.054	VV	8788	228031	18.48%	0.348%
224	13.063	13.054	13.074	VV	3494	38580	3.13%	0.059%
225	13.109	13.074	13.117	VV	4017	91455	7.41%	0.139%
226	13.132	13.117	13.153	VV	5508	90144	7.31%	0.137%
227	13.158	13.153	13.178	VV	2853	40534	3.29%	0.062%
228	13.198	13.178	13.216	VV	3650	67186	5.45%	0.102%
229	13.229	13.216	13.238	VV	3017	37881	3.07%	0.058%
230	13.256	13.238	13.279	VV	3454	70229	5.69%	0.107%
231	13.301	13.279	13.353	VV	5765	129461	10.49%	0.197%
232	13.396	13.353	13.426	VV	7622	157626	12.78%	0.240%
233	13.446	13.426	13.467	VV	3855	75273	6.10%	0.115%
234	13.476	13.467	13.500	VV	2840	46936	3.80%	0.072%
235	13.510	13.500	13.534	VV	2134	30300	2.46%	0.046%
236	13.544	13.534	13.551	VV	910	8579	0.70%	0.013%
237	13.585	13.551	13.614	VV	3872	93939	7.61%	0.143%
238	13.637	13.614	13.680	VV	4782	80641	6.54%	0.123%
239	13.700	13.680	13.717	VV	2315	29178	2.37%	0.044%
240	13.734	13.717	13.757	VV	2527	34183	2.77%	0.052%
241	13.778	13.757	13.791	VV	686	9259	0.75%	0.014%
242	13.808	13.791	13.835	VV	959	16705	1.35%	0.025%
243	13.851	13.835	13.874	VV	724	9640	0.78%	0.015%
244	13.969	13.954	13.984	PV	373	3224	0.26%	0.005%
245	14.013	13.984	14.024	PV	676	11633	0.94%	0.018%
246	14.038	14.024	14.055	VV	938	13120	1.06%	0.020%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
247	14.087	14.055	14.118	VV	906	23738	1.92%	0.036%
248	14.122	14.118	14.138	VV	324	2949		
249	14.167	14.138	14.187	VV	1268	19714		
250	14.209	14.187	14.236	VV	685	11180		
251	14.256	14.236	14.335	VV	396	11497		
252	14.351	14.335	14.366	PV	480	6268		
253	14.371	14.366	14.377	VV	429	2457	0.20%	0.004%
254	14.383	14.377	14.431	VV	443	8359	0.68%	0.013%
255	14.456	14.431	14.474	VV	343	5408	0.44%	0.008%
256	14.479	14.474	14.490	VV	161	1218	0.10%	0.002%
257	14.511	14.490	14.534	VV	699	9336	0.76%	0.014%
258	14.546	14.534	14.566	VV	196	2982	0.24%	0.005%
259	14.584	14.566	14.600	VV	274	4146	0.34%	0.006%
260	14.613	14.600	14.642	VV	337	5959	0.48%	0.009%
261	14.647	14.642	14.693	VV	367	2407	0.20%	0.004%
262	14.722	14.693	14.774	VV	427	9671	0.78%	0.015%
263	14.812	14.791	14.818	VV	288	3196	0.26%	0.005%
264	14.840	14.818	14.856	VV	460	7508	0.61%	0.011%
265	14.872	14.856	14.917	VV	544	11272	0.91%	0.017%
266	14.924	14.917	14.947	VV	120	1194	0.10%	0.002%
267	14.995	14.962	15.022	VV	220	4870	0.39%	0.007%
268	15.032	15.022	15.078	VV	198	4750	0.39%	0.007%
269	15.095	15.078	15.125	VV	333	4320	0.35%	0.007%
270	15.149	15.125	15.162	PV	138	1584	0.13%	0.002%
271	15.179	15.162	15.201	VV	331	4576	0.37%	0.007%
272	15.219	15.201	15.242	VV	458	7755	0.63%	0.012%
273	15.255	15.242	15.287	VV	548	8726	0.71%	0.013%
274	15.301	15.287	15.319	VV	274	3167	0.26%	0.005%
275	15.338	15.319	15.347	VV	227	2539	0.21%	0.004%
276	15.391	15.357	15.409	VV	220	4946	0.40%	0.008%
277	15.423	15.409	15.454	VV	156	2269	0.18%	0.003%
278	15.488	15.479	15.517	VV	234	2670	0.22%	0.004%
279	15.550	15.539	15.570	VV	134	1599	0.13%	0.002%
280	15.626	15.598	15.630	VV	279	2612	0.21%	0.004%
281	15.636	15.630	15.654	VV	297	3925	0.32%	0.006%
282	15.682	15.654	15.729	VV	536	13295	1.08%	0.020%
283	15.732	15.729	15.748	VV	160	1331	0.11%	0.002%
284	15.775	15.748	15.840	VV	302	8675	0.70%	0.013%
285	15.856	15.840	15.871	VV	242	2350	0.19%	0.004%
286	15.899	15.871	15.921	PV	159	2417	0.20%	0.004%
287	15.996	15.970	16.029	VV	153	3436	0.28%	0.005%
288	16.044	16.029	16.048	VV	397	1570	0.13%	0.002%
289	16.058	16.048	16.140	VV	309	8706	0.71%	0.013%
290	16.145	16.140	16.177	VV	142	2578	0.21%	0.004%
291	16.187	16.177	16.220	VV	130	2174	0.18%	0.003%
292	16.225	16.220	16.248	VV	146	1649	0.13%	0.003%
293	16.276	16.248	16.316	VV	450	7135	0.58%	0.011%
294	16.335	16.331	16.380	VV	91	1566	0.13%	0.002%
295	16.429	16.405	16.441	VV	284	4267	0.35%	0.007%
296	16.458	16.441	16.513	VV	301	6693	0.54%	0.010%
297	16.519	16.513	16.549	VV	95	1020	0.08%	0.002%
298	16.571	16.562	16.589	VV	145	1407	0.11%	0.002%
299	16.606	16.589	16.610	VV	140	1016	0.08%	0.002%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
300	16.617	16.610	16.637	VV	107	1569	0.13%	0.002%
301	16.659	16.652	16.683	VV	151	1789		
302	16.759	16.695	16.783	PV	606	13292		
303	16.804	16.783	16.820	VV	310	4882		
304	16.841	16.820	16.871	VV	612	9209		
305	16.882	16.871	16.895	VV	125	1443		
306	16.912	16.907	16.940	VV	169	2001	0.16%	0.003%
307	16.981	16.975	16.998	VV	147	1193	0.10%	0.002%
308	17.060	17.034	17.081	VV	169	2559	0.21%	0.004%
309	17.128	17.081	17.154	VV	433	8609	0.70%	0.013%
310	17.177	17.154	17.182	VV	358	3242	0.26%	0.005%
311	17.187	17.182	17.203	VV	307	3096	0.25%	0.005%
312	17.227	17.203	17.254	VV	1120	17279	1.40%	0.026%
313	17.275	17.254	17.305	VV	356	5381	0.44%	0.008%
314	17.334	17.305	17.338	VV	118	1326	0.11%	0.002%
315	17.345	17.338	17.365	VV	138	1262	0.10%	0.002%
316	17.374	17.365	17.391	VV	111	1035	0.08%	0.002%
317	17.396	17.391	17.441	VV	85	1764	0.14%	0.003%
318	17.515	17.441	17.544	PV	310	9294	0.75%	0.014%
319	17.548	17.544	17.575	VV	190	2791	0.23%	0.004%
320	17.599	17.575	17.617	VV	154	3109	0.25%	0.005%
321	17.679	17.633	17.715	VV	1642	25186	2.04%	0.038%
322	17.738	17.715	17.749	VV	114	1182	0.10%	0.002%
323	17.784	17.749	17.821	PV	416	7730	0.63%	0.012%
324	17.852	17.821	17.890	VV	256	5250	0.43%	0.008%
325	18.115	18.022	18.143	PV	2584	36927	2.99%	0.056%
326	18.168	18.153	18.189	VV	223	3085	0.25%	0.005%
327	18.202	18.189	18.222	VV	164	1766	0.14%	0.003%

Sum of corrected areas: 65569065

Aromatic EPH 102124.M Mon Nov 04 03:01:39 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-2			SDG No.:	P4599
Lab Sample ID:	P4599-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	81.9
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
10/30/24 08:20	10/31/24 16:03	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	154		50	23.2	61.0	mg/kg	FE050945.D
Aliphatic C12-C16	Aliphatic C12-C16	531		50	14.6	40.7	mg/kg	FE050945.D
Aliphatic C16-C21	Aliphatic C16-C21	329		50	18.3	61.0	mg/kg	FE050945.D
Aliphatic C21-C28	Aliphatic C21-C28	19.4		1	0.98	1.63	mg/kg	FE050923.D
Aliphatic C28-C40	Aliphatic C28-C40	10.7		1	2.20	2.44	mg/kg	FE050923.D
Aromatic C10-C12	Aromatic C10-C12	32.6		5	1.83	4.07	mg/kg	FG014600.D
Aromatic C12-C16	Aromatic C12-C16	272		25	10.4	30.5	mg/kg	FG014601.D
Aromatic C16-C21	Aromatic C16-C21	546		25	29.3	50.8	mg/kg	FG014601.D
Aromatic C21-C36	Aromatic C21-C36	24.3		1	2.44	3.25	mg/kg	FG014578.D
Total AliphaticEPH	Total AliphaticEPH	1040			59.3	167	mg/kg	
Total AromaticEPH	Total AromaticEPH	875			44.0	88.6	mg/kg	
Total EPH	Total EPH	1920			103	255	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:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-2		SDG No.:	P4599	
Lab Sample ID:	P4599-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.9	
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
FE050923.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	139	E	0.46	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	431	E	0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	267	E	0.37	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.4		0.98	1.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.7		2.20	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4599-02	Acq On:	31 Oct 2024 04:30
Client Sample ID:	EX-1-TPH-2	Operator:	YP\AJ
Data file:	FE050923.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	245376195	1720	300	ug/ml
Aliphatic C12-C16	6.763	10.194	770051434	5310	200	ug/ml
Aliphatic C16-C21	10.195	13.554	475310922	3290	300	ug/ml
Aliphatic C21-C28	13.555	17.208	33878414	238.32	400	ug/ml
Aliphatic C28-C40	17.209	22.057	18260305	132.031	600	ug/ml
Aliphatic EPH	3.144	22.057	1542877270	10700		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4012177	33.92		ug/ml
Aliphatic C9-C28	3.144	17.208	1524616965	10600	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050923.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 04:30
Operator : YP\AJ
Sample : P4599-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 05:20:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.293	4012177	33.917 ug/mlm
Spiked Amount 50.000		Recovery = 67.83%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050923.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 04:30
Operator : YP\AJ
Sample : P4599-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

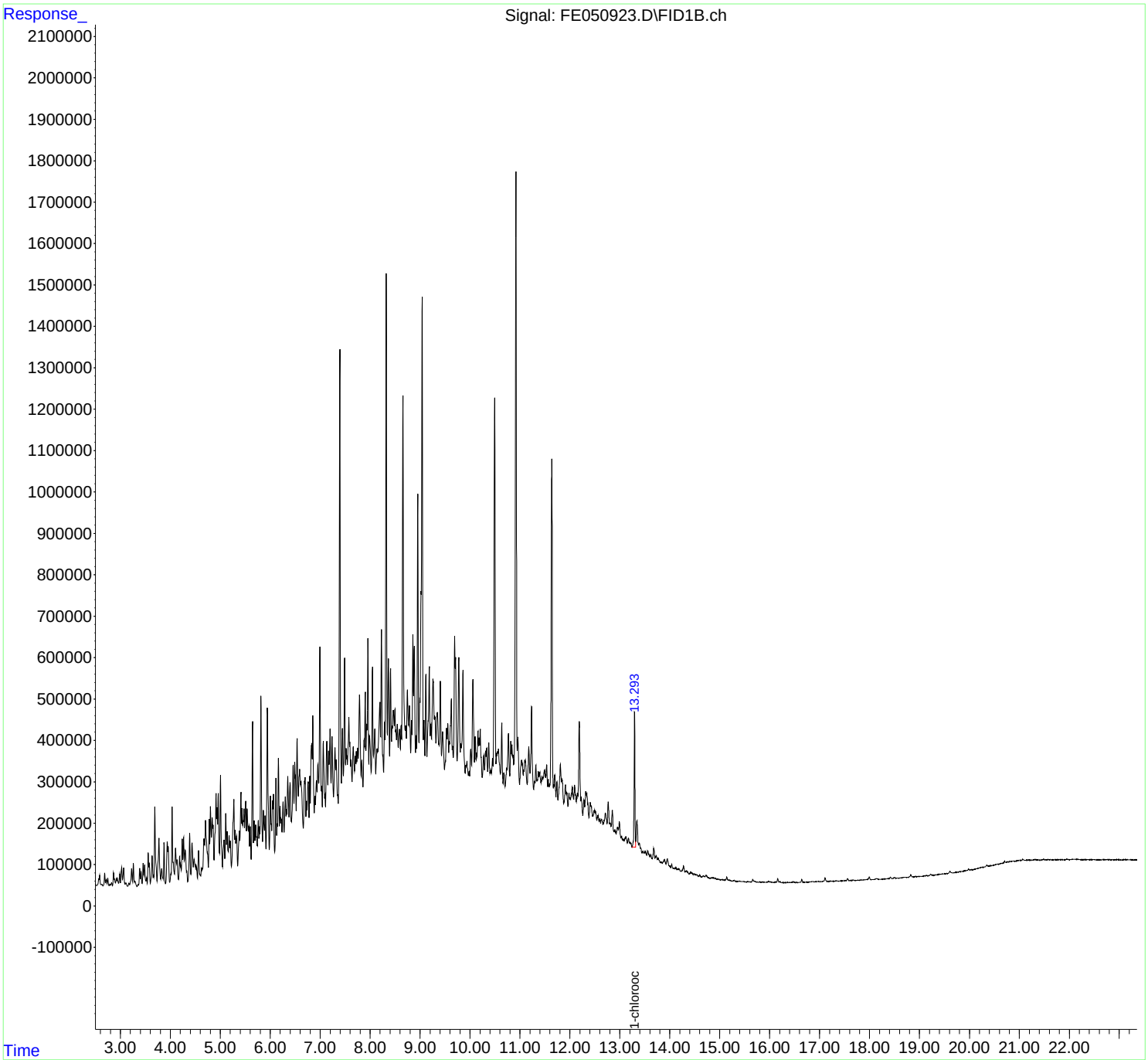
Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2

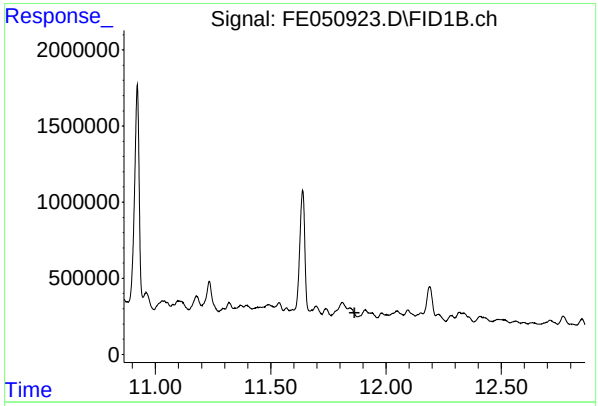
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 05:20:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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





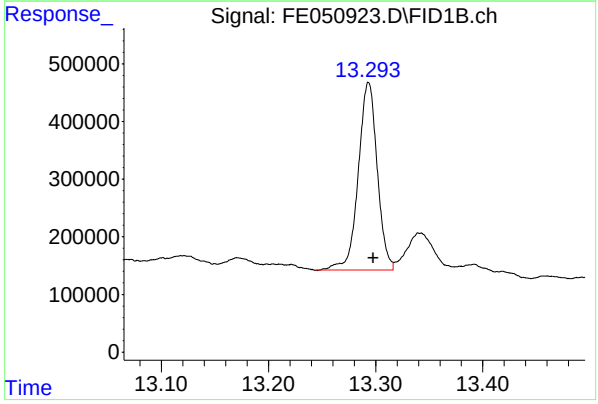
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2

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#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.005 min
Response: 4012177
Conc: 33.92 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2

rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10302
Data File : FE050923.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 04:30
Sample : P4599-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.584	2.524	2.617	PV	24002	422190	1.18%	0.027%
2	2.630	2.617	2.650	PV	2356	18500	0.05%	0.001%
3	2.685	2.650	2.701	PV	31420	352862	0.98%	0.023%
4	2.717	2.701	2.732	VV	15786	217060	0.60%	0.014%
5	2.747	2.732	2.772	VV	18491	219950	0.61%	0.014%
6	2.788	2.772	2.803	VV	4547	50901	0.14%	0.003%
7	2.824	2.803	2.841	VV	7531	100599	0.28%	0.006%
8	2.864	2.841	2.900	VV	32182	543811	1.51%	0.035%
9	2.937	2.900	2.962	VV	19126	491736	1.37%	0.032%
10	2.985	2.962	3.000	VV	29513	377221	1.05%	0.024%
11	3.024	3.000	3.042	VV	45122	714313	1.99%	0.046%
12	3.065	3.042	3.097	VV	44117	727333	2.03%	0.047%
13	3.111	3.097	3.143	VV	8393	125022	0.35%	0.008%
14	3.169	3.143	3.185	PV	7914	97972	0.27%	0.006%
15	3.224	3.185	3.243	VV	42563	686252	1.91%	0.044%
16	3.260	3.243	3.334	VV	55298	884195	2.46%	0.057%
17	3.356	3.334	3.364	PV	5016	51154	0.14%	0.003%
18	3.385	3.364	3.401	VV	44007	517956	1.44%	0.033%
19	3.414	3.401	3.434	VV	35692	438663	1.22%	0.028%
20	3.455	3.434	3.470	VV	56527	701950	1.96%	0.045%
21	3.485	3.470	3.510	VV	51754	750814	2.09%	0.048%
22	3.524	3.510	3.537	VV	21284	241624	0.67%	0.016%
23	3.557	3.537	3.600	VV	80929	1580778	4.40%	0.102%
24	3.635	3.600	3.667	VV	73983	1403454	3.91%	0.090%
25	3.689	3.667	3.733	VV	191584	2986380	8.32%	0.192%
26	3.771	3.733	3.806	VV	116422	2409478	6.71%	0.155%
27	3.826	3.806	3.855	VV	42898	837356	2.33%	0.054%
28	3.874	3.855	3.903	VV	105656	1225490	3.41%	0.079%
29	3.938	3.903	3.949	VV	107147	1545135	4.30%	0.099%
30	3.957	3.949	3.987	VV	95914	1240501	3.46%	0.080%
31	4.035	3.987	4.082	VV	191238	3391327	9.45%	0.218%
32	4.104	4.082	4.124	VV	92146	1617681	4.51%	0.104%
33	4.134	4.124	4.162	VV	64295	952928	2.65%	0.061%
34	4.185	4.162	4.218	VV	71978	1567680	4.37%	0.101%
35	4.237	4.218	4.250	VV	113866	1476660	4.11%	0.095%
36	4.265	4.250	4.281	VV	118196	1656149	4.61%	0.106%

Instrument :
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rteres

37	4.298	4.281	4.349	VV	86923	2107100	5.87%	0.135%
38	4.387	4.349	4.411	VV	128314	2068231	5	
39	4.434	4.411	4.460	VV	104520	1989526	5	
40	4.477	4.460	4.543	VV	65194	2365335	6	
41	4.565	4.543	4.606	VV	86177	1699596	4	
42	4.626	4.606	4.636	VV	43495	624882	1	
43	4.673	4.636	4.686	VV	114982	2328883	6.49%	0.150%
44	4.705	4.686	4.761	VV	158898	4585140	12.77%	0.295%
45	4.779	4.761	4.790	VV	159866	1885326	5.25%	0.121%
46	4.803	4.790	4.823	VV	189744	2917387	8.13%	0.187%
47	4.838	4.823	4.874	VV	165058	4009481	11.17%	0.258%
48	4.915	4.874	4.946	VV	223276	6461334	18.00%	0.415%
49	4.958	4.946	4.983	VV	223352	3313283	9.23%	0.213%
50	5.005	4.983	5.043	VV	266940	4761019	13.26%	0.306%
51	5.074	5.043	5.091	VV	111681	2467718	6.87%	0.159%
52	5.110	5.091	5.126	VV	173806	2603529	7.25%	0.167%
53	5.138	5.126	5.160	VV	131464	2117708	5.90%	0.136%
54	5.177	5.160	5.190	VV	121025	1816667	5.06%	0.117%
55	5.200	5.190	5.223	VV	109023	1649949	4.60%	0.106%
56	5.271	5.223	5.309	VV	208711	6555265	18.26%	0.421%
57	5.327	5.309	5.349	VV	121317	2270262	6.32%	0.146%
58	5.381	5.349	5.391	VV	132234	2522250	7.03%	0.162%
59	5.413	5.391	5.449	VV	226537	5839131	16.26%	0.375%
60	5.474	5.449	5.488	VV	186253	3746445	10.43%	0.241%
61	5.508	5.488	5.523	VV	203974	3600919	10.03%	0.231%
62	5.537	5.523	5.561	VV	185670	3639930	10.14%	0.234%
63	5.572	5.561	5.586	VV	144921	1911530	5.32%	0.123%
64	5.599	5.586	5.618	VV	142008	2044765	5.70%	0.131%
65	5.646	5.618	5.665	VV	396186	5911644	16.47%	0.380%
66	5.678	5.665	5.695	VV	157804	2296692	6.40%	0.148%
67	5.709	5.695	5.739	VV	147650	3241635	9.03%	0.208%
68	5.761	5.739	5.775	VV	158748	2765686	7.70%	0.178%
69	5.786	5.775	5.793	VV	142809	1439991	4.01%	0.093%
70	5.814	5.793	5.847	VV	457286	7706934	21.47%	0.495%
71	5.863	5.847	5.884	VV	182365	3333553	9.28%	0.214%
72	5.897	5.884	5.915	VV	169559	2500058	6.96%	0.161%
73	5.943	5.915	5.982	VV	428834	8787888	24.48%	0.565%
74	6.004	5.982	6.030	VV	217206	4544655	12.66%	0.292%
75	6.065	6.030	6.090	VV	220840	5862556	16.33%	0.377%
76	6.114	6.090	6.131	VV	259550	3910436	10.89%	0.251%
77	6.164	6.131	6.184	VV	308105	6313749	17.59%	0.406%
78	6.197	6.184	6.211	VV	191953	2717750	7.57%	0.175%
79	6.220	6.211	6.236	VV	161499	2276669	6.34%	0.146%
80	6.257	6.236	6.278	VV	202625	4079244	11.36%	0.262%
81	6.302	6.278	6.317	VV	214491	4236983	11.80%	0.272%
82	6.352	6.317	6.376	VV	263263	7185627	20.01%	0.462%
83	6.397	6.376	6.424	VV	247968	5720013	15.93%	0.368%
84	6.458	6.424	6.476	VV	291524	6745072	18.79%	0.433%
85	6.491	6.476	6.520	VV	297846	6524526	18.17%	0.419%
86	6.538	6.520	6.563	VV	354996	6900317	19.22%	0.443%
87	6.589	6.563	6.662	VV	280057	13627626	37.96%	0.876%
88	6.698	6.662	6.715	VV	260170	6805126	18.95%	0.437%
89	6.727	6.715	6.737	VV	203428	2479854	6.91%	0.159%

Instrument :
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rteres

90	6.760	6.737	6.778	VV	250097	5297743	14.76%	0.340%
91	6.792	6.778	6.803	VV	264220	3324970	9	
92	6.830	6.803	6.841	VV	343799	6889369	19	
93	6.853	6.841	6.882	VV	410408	7159803	19	
94	6.895	6.882	6.905	VV	215879	2733343	7	
95	6.926	6.905	6.937	VV	253612	4519586	12	
96	6.953	6.937	6.970	VV	292490	5221152	14.54%	0.335%
97	6.995	6.970	7.043	VV	575503	14073810	39.20%	0.904%
98	7.062	7.043	7.107	VV	348093	9770107	27.21%	0.628%
99	7.134	7.107	7.153	VV	348666	7839108	21.83%	0.504%
100	7.169	7.153	7.179	VV	324340	4542594	12.65%	0.292%
101	7.199	7.179	7.218	VV	376698	7447863	20.74%	0.479%
102	7.238	7.218	7.268	VV	359035	8498871	23.67%	0.546%
103	7.297	7.268	7.311	VV	332518	7362837	20.51%	0.473%
104	7.322	7.311	7.362	VV	303010	7537590	20.99%	0.484%
105	7.394	7.362	7.425	VV	1297383	21368599	59.52%	1.373%
106	7.445	7.425	7.465	VV	379437	7607308	21.19%	0.489%
107	7.490	7.465	7.509	VV	551081	10087440	28.10%	0.648%
108	7.521	7.509	7.545	VV	330335	6843638	19.06%	0.440%
109	7.575	7.545	7.639	VV	404431	18012246	50.17%	1.157%
110	7.662	7.639	7.689	VV	334122	9080523	25.29%	0.583%
111	7.723	7.689	7.735	VV	322555	8232559	22.93%	0.529%
112	7.749	7.735	7.762	VV	331487	5187781	14.45%	0.333%
113	7.789	7.762	7.820	VV	459441	12624130	35.16%	0.811%
114	7.834	7.820	7.858	VV	302365	6217560	17.32%	0.399%
115	7.903	7.858	7.918	VV	464663	12673244	35.30%	0.814%
116	7.957	7.918	7.974	VV	597478	14035756	39.09%	0.902%
117	7.989	7.974	8.022	VV	360797	9349629	26.04%	0.601%
118	8.047	8.022	8.069	VV	527983	10637431	29.63%	0.683%
119	8.094	8.069	8.113	VV	377133	8832798	24.60%	0.567%
120	8.195	8.113	8.209	VV	440233	20179805	56.21%	1.297%
121	8.228	8.209	8.270	VV	616583	14888913	41.47%	0.957%
122	8.289	8.270	8.298	VV	392638	5698976	15.87%	0.366%
123	8.323	8.298	8.346	VV	1490610	22310747	62.14%	1.433%
124	8.367	8.346	8.391	VV	547815	11766177	32.77%	0.756%
125	8.410	8.391	8.429	VV	521921	9640343	26.85%	0.619%
126	8.465	8.429	8.485	VV	422497	13110536	36.52%	0.842%
127	8.497	8.485	8.529	VV	425252	10301684	28.69%	0.662%
128	8.545	8.529	8.564	VV	388661	7477442	20.83%	0.480%
129	8.590	8.564	8.606	VV	376312	8993279	25.05%	0.578%
130	8.620	8.606	8.630	VV	384971	5246932	14.61%	0.337%
131	8.658	8.630	8.702	VV	1183356	26200636	72.98%	1.683%
132	8.711	8.702	8.726	VV	384200	5520795	15.38%	0.355%
133	8.747	8.726	8.770	VV	471180	10775684	30.01%	0.692%
134	8.788	8.770	8.814	VV	432488	10327509	28.77%	0.664%
135	8.858	8.814	8.870	VV	603739	14693978	40.93%	0.944%
136	8.885	8.870	8.910	VV	576285	11225899	31.27%	0.721%
137	8.955	8.910	8.978	VV	946361	20422384	56.88%	1.312%
138	9.043	8.978	9.067	VV	1422573	35903023	100.00%	2.307%
139	9.079	9.067	9.096	VV	394893	6425120	17.90%	0.413%
140	9.116	9.096	9.139	VV	508850	10350311	28.83%	0.665%
141	9.185	9.139	9.204	VV	525832	15817845	44.06%	1.016%

Instrument :
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EX-1-TPH-2

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rteres

142	9.217	9.204	9.229	VV	386660	5702976	15.88%	0.366%
143	9.261	9.229	9.319	VV	492294	22446738	62	
144	9.348	9.319	9.381	VV	415896	14181317	39	
145	9.408	9.381	9.431	VV	491780	11690628	32	
146	9.452	9.431	9.491	VV	369887	11723138	32	
147	9.530	9.491	9.541	VV	377427	9860023	27	
148	9.557	9.541	9.575	VV	388775	7344216	20.46%	0.472%
149	9.626	9.575	9.666	VV	448015	19766091	55.05%	1.270%
150	9.694	9.666	9.705	VV	596410	10725217	29.87%	0.689%
151	9.711	9.705	9.743	VV	548365	9614229	26.78%	0.618%
152	9.777	9.743	9.806	VV	549211	15233888	42.43%	0.979%
153	9.817	9.806	9.827	VV	340046	4152035	11.56%	0.267%
154	9.860	9.827	9.903	VV	519214	16738740	46.62%	1.075%
155	9.939	9.903	9.974	VV	299444	11956331	33.30%	0.768%
156	9.983	9.974	9.994	VV	273559	3099666	8.63%	0.199%
157	10.015	9.994	10.033	VV	325325	7101381	19.78%	0.456%
158	10.059	10.033	10.090	VV	494134	13127203	36.56%	0.843%
159	10.104	10.090	10.122	VV	355461	6374105	17.75%	0.410%
160	10.160	10.122	10.173	VV	369470	10120182	28.19%	0.650%
161	10.184	10.173	10.193	VV	353801	4103667	11.43%	0.264%
162	10.205	10.193	10.244	VV	374108	9793728	27.28%	0.629%
163	10.275	10.244	10.292	VV	311361	8151267	22.70%	0.524%
164	10.314	10.292	10.323	VV	321664	5701057	15.88%	0.366%
165	10.334	10.323	10.355	VV	328524	5880377	16.38%	0.378%
166	10.377	10.355	10.401	VV	341881	8261048	23.01%	0.531%
167	10.416	10.401	10.428	VV	274396	4340595	12.09%	0.279%
168	10.452	10.428	10.461	VV	304294	5774705	16.08%	0.371%
169	10.495	10.461	10.521	VV	1173862	23343947	65.02%	1.500%
170	10.571	10.521	10.611	VV	327146	16434632	45.78%	1.056%
171	10.637	10.611	10.662	VV	389165	9331081	25.99%	0.600%
172	10.679	10.662	10.704	VV	268554	6494304	18.09%	0.417%
173	10.770	10.704	10.797	VV	362484	16088720	44.81%	1.034%
174	10.818	10.797	10.830	VV	345439	6122424	17.05%	0.393%
175	10.840	10.830	10.880	VV	336536	9339590	26.01%	0.600%
176	10.921	10.880	10.947	VV	1720609	31192610	86.88%	2.004%
177	10.960	10.947	10.994	VV	354774	8511195	23.71%	0.547%
178	11.031	10.994	11.066	VV	299218	12150196	33.84%	0.781%
179	11.099	11.066	11.145	VV	299006	13091454	36.46%	0.841%
180	11.178	11.145	11.201	VV	331704	9671876	26.94%	0.621%
181	11.233	11.201	11.275	VV	428216	13788257	38.40%	0.886%
182	11.320	11.275	11.354	VV	286832	12109897	33.73%	0.778%
183	11.369	11.354	11.383	VV	271645	4506846	12.55%	0.290%
184	11.394	11.383	11.420	VV	268978	5736964	15.98%	0.369%
185	11.490	11.420	11.516	VV	272585	15087371	42.02%	0.969%
186	11.536	11.516	11.555	VV	287622	6202403	17.28%	0.398%
187	11.568	11.555	11.583	VV	253214	3994639	11.13%	0.257%
188	11.638	11.583	11.670	VV	1027194	24062842	67.02%	1.546%
189	11.696	11.670	11.721	VV	263425	7419826	20.67%	0.477%
190	11.740	11.721	11.762	VV	247084	5514494	15.36%	0.354%
191	11.810	11.762	11.877	VV	288905	16718335	46.57%	1.074%
192	11.910	11.877	11.962	VV	239985	10850472	30.22%	0.697%
193	11.981	11.962	12.013	VV	218631	6295014	17.53%	0.404%
194	12.048	12.013	12.078	VV	231722	8456230	23.55%	0.543%

Instrument :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	12.095	12.078	12.127	VV	238970	6479033	18.05%	0.416%
196	12.152	12.127	12.160	VV	219184	4130185	11	
197	12.189	12.160	12.259	VV	392452	14746315	41	
198	12.283	12.259	12.298	VV	201379	4411803	12	
199	12.318	12.298	12.328	VV	223534	3708155	10	
200	12.337	12.328	12.381	VV	218168	6218497	17	
201	12.408	12.381	12.458	VV	196346	8277908	23.06%	0.532%
202	12.487	12.458	12.538	VV	177026	8214882	22.88%	0.528%
203	12.563	12.538	12.584	VV	165652	4366535	12.16%	0.281%
204	12.597	12.584	12.614	VV	156277	2774043	7.73%	0.178%
205	12.636	12.614	12.668	VV	154710	4837947	13.48%	0.311%
206	12.712	12.668	12.744	VV	171085	7132234	19.87%	0.458%
207	12.768	12.744	12.804	VV	197407	5997385	16.70%	0.385%
208	12.808	12.804	12.828	VV	145860	1996912	5.56%	0.128%
209	12.850	12.828	12.885	VV	178517	5107711	14.23%	0.328%
210	12.898	12.885	12.927	VV	128482	3153673	8.78%	0.203%
211	12.954	12.927	12.969	VV	136182	3329122	9.27%	0.214%
212	12.990	12.969	13.024	VV	149949	4275630	11.91%	0.275%
213	13.034	13.024	13.055	VV	113690	2067359	5.76%	0.133%
214	13.063	13.055	13.081	VV	106329	1638634	4.56%	0.105%
215	13.120	13.081	13.151	VV	113300	4531696	12.62%	0.291%
216	13.172	13.151	13.245	VV	109699	5583441	15.55%	0.359%
217	13.293	13.245	13.319	VV	414959	7912572	22.04%	0.508%
218	13.342	13.319	13.374	VV	152421	4064437	11.32%	0.261%
219	13.390	13.374	13.445	VV	98196	3706455	10.32%	0.238%
220	13.459	13.445	13.482	VV	77866	1673645	4.66%	0.108%
221	13.502	13.482	13.537	VV	77853	2468889	6.88%	0.159%
222	13.559	13.537	13.608	VV	78188	3037992	8.46%	0.195%
223	13.618	13.608	13.644	VV	70121	1433168	3.99%	0.092%
224	13.679	13.644	13.706	VV	85450	2599646	7.24%	0.167%
225	13.725	13.706	13.752	VV	67267	1759266	4.90%	0.113%
226	13.768	13.752	13.814	VV	61264	2096516	5.84%	0.135%
227	13.827	13.814	13.847	VV	51588	1002057	2.79%	0.064%
228	13.892	13.847	13.928	VV	57679	2530950	7.05%	0.163%
229	13.950	13.928	14.016	VV	59550	2531091	7.05%	0.163%
230	14.037	14.016	14.071	VV	46332	1327793	3.70%	0.085%
231	14.091	14.071	14.106	VV	37097	768742	2.14%	0.049%
232	14.121	14.106	14.144	VV	39252	830192	2.31%	0.053%
233	14.179	14.144	14.226	VV	35746	1600630	4.46%	0.103%
234	14.274	14.226	14.304	VV	42266	1562710	4.35%	0.100%
235	14.334	14.304	14.385	VV	29985	1313870	3.66%	0.084%
236	14.424	14.385	14.463	VV	26626	1145165	3.19%	0.074%
237	14.480	14.463	14.498	VV	23346	464534	1.29%	0.030%
238	14.508	14.498	14.530	VV	21762	397689	1.11%	0.026%
239	14.543	14.530	14.580	VV	20671	569111	1.59%	0.037%
240	14.599	14.580	14.631	VV	20562	535199	1.49%	0.034%
241	14.671	14.631	14.704	VV	18101	714881	1.99%	0.046%
242	14.727	14.704	14.818	VV	19394	1007066	2.80%	0.065%
243	14.848	14.818	14.868	VV	12969	373078	1.04%	0.024%
244	14.884	14.868	14.939	VV	12681	487064	1.36%	0.031%
245	14.956	14.939	15.025	VV	10132	468719	1.31%	0.030%
246	15.047	15.025	15.082	VV	8610	276585	0.77%	0.018%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
247	15.095	15.082	15.111	VV	8439	133971	0.37%	0.009%
248	15.140	15.111	15.184	VV	14483	409110	1	
249	15.196	15.184	15.241	VV	7113	207457	0	
250	15.283	15.241	15.321	VV	6142	244007	0	
251	15.337	15.321	15.352	VV	4399	75214	0	
252	15.388	15.352	15.428	VV	4722	189290	0	
253	15.446	15.428	15.538	VV	3552	207335	0.58%	0.013%
254	15.572	15.538	15.631	VV	3258	157431	0.44%	0.010%
255	15.660	15.631	15.774	VV	8496	309084	0.86%	0.020%
256	15.794	15.774	15.841	VV	2240	74841	0.21%	0.005%
257	15.851	15.841	15.862	VV	1932	22175	0.06%	0.001%
258	15.877	15.862	15.934	VV	2034	70864	0.20%	0.005%
259	15.972	15.934	16.079	VV	3532	168384	0.47%	0.011%
260	16.119	16.079	16.134	VV	2179	42688	0.12%	0.003%
261	16.160	16.134	16.187	VV	9844	154253	0.43%	0.010%
262	16.198	16.187	16.238	VV	2166	43001	0.12%	0.003%
263	16.250	16.238	16.274	VV	523	7033	0.02%	0.000%
264	16.298	16.274	16.316	VV	303	5446	0.02%	0.000%
265	16.345	16.316	16.384	PV	1061	27235	0.08%	0.002%
266	16.401	16.384	16.421	VV	636	10030	0.03%	0.001%
267	16.475	16.421	16.508	VV	1699	47857	0.13%	0.003%
268	16.523	16.508	16.572	VV	944	18059	0.05%	0.001%
269	16.641	16.572	16.708	PV	7322	121825	0.34%	0.008%
270	16.759	16.708	16.777	VV	362	9584	0.03%	0.001%
271	16.855	16.777	16.924	VV	1352	67554	0.19%	0.004%
272	16.981	16.924	17.008	VV	936	39109	0.11%	0.003%
273	17.028	17.008	17.051	VV	599	11680	0.03%	0.001%
274	17.108	17.051	17.150	VV	8737	162800	0.45%	0.010%
275	17.162	17.150	17.184	VV	532	7383	0.02%	0.000%
276	17.212	17.184	17.248	VV	582	12397	0.03%	0.001%
277	17.275	17.248	17.300	VV	404	6641	0.02%	0.000%
278	17.346	17.300	17.371	PV	1029	23282	0.06%	0.001%
279	17.417	17.371	17.438	PV	466	8269	0.02%	0.001%
280	17.444	17.438	17.461	VV	267	2501	0.01%	0.000%
281	17.519	17.461	17.528	VV	776	16358	0.05%	0.001%
282	17.558	17.528	17.607	VV	5500	87176	0.24%	0.006%
283	17.669	17.607	17.718	PV	1212	30418	0.08%	0.002%
284	17.767	17.718	17.781	VV	260	3769	0.01%	0.000%
285	17.844	17.781	17.862	PV	481	11013	0.03%	0.001%
286	17.892	17.862	17.900	VV	692	7557	0.02%	0.000%
287	17.993	17.900	18.028	VV	7234	151069	0.42%	0.010%
288	18.042	18.028	18.053	VV	422	4564	0.01%	0.000%
289	18.135	18.053	18.188	VV	2534	73308	0.20%	0.005%
290	18.198	18.188	18.226	VV	448	5371	0.01%	0.000%
291	18.281	18.226	18.301	PV	542	13931	0.04%	0.001%
292	18.341	18.301	18.351	VV	491	8866	0.02%	0.001%
293	18.370	18.351	18.391	VV	536	8209	0.02%	0.001%
294	18.416	18.391	18.444	VV	4224	58425	0.16%	0.004%
295	18.501	18.444	18.525	VV	2631	48180	0.13%	0.003%
296	18.536	18.525	18.581	VV	581	10681	0.03%	0.001%
297	18.618	18.581	18.631	PV	466	8388	0.02%	0.001%
298	18.703	18.631	18.714	VV	982	35006	0.10%	0.002%
299	18.722	18.714	18.741	VV	737	8355	0.02%	0.001%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2

Manual IntegrationsAPPROVED

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rteres

300	18.825	18.741	18.894	VV	6142	129146	0.36%	0.008%
301	18.925	18.894	18.940	PV	847	12098		
302	18.974	18.940	18.998	VV	740	14472		
303	19.029	18.998	19.041	VV	264	5683		
304	19.138	19.041	19.161	VV	1049	25489		
305	19.222	19.161	19.277	PV	3729	74625		
306	19.431	19.277	19.444	VV	1445	87292	0.24%	0.006%
307	19.466	19.444	19.488	VV	1735	38512	0.11%	0.002%
308	19.609	19.488	19.672	VV	6750	277517	0.77%	0.018%
309	19.983	19.672	20.009	VV	7742	761581	2.12%	0.049%
310	20.034	20.009	20.054	VV	5592	148268	0.41%	0.010%
311	20.250	20.054	20.270	VV	9492	969533	2.70%	0.062%
312	20.348	20.270	20.388	VV	14038	774543	2.16%	0.050%
313	20.452	20.388	20.464	VV	11862	531400	1.48%	0.034%
314	20.702	20.464	20.728	VV	18261	2267393	6.32%	0.146%
315	20.889	20.728	20.910	VV	17952	1894458	5.28%	0.122%
316	21.070	20.910	21.120	VV	20345	2287402	6.37%	0.147%
317	21.169	21.120	21.214	VV	17355	960464	2.68%	0.062%
318	21.315	21.214	21.417	VV	16638	1968355	5.48%	0.126%
319	21.487	21.417	21.519	VV	15914	919409	2.56%	0.059%
320	21.530	21.519	21.544	VV	14298	213407	0.59%	0.014%
321	21.590	21.544	21.602	VV	14051	486054	1.35%	0.031%
322	21.608	21.602	21.674	VV	13843	563283	1.57%	0.036%
323	21.739	21.674	21.783	VV	12425	812547	2.26%	0.052%
324	21.807	21.783	21.824	VV	11941	289920	0.81%	0.019%
325	21.832	21.824	21.894	VV	11595	465142	1.30%	0.030%
326	21.954	21.894	21.994	VV	11704	638578	1.78%	0.041%
327	22.086	21.994	22.166	VV	9760	975796	2.72%	0.063%
328	22.180	22.166	22.234	VV	8363	327232	0.91%	0.021%

Sum of corrected areas: 1556454377

Aliphatic EPH 100824.M Thu Oct 31 05:53:20 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-2		SDG No.:	P4599	
Lab Sample ID:	P4599-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.9	
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
FG014578.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	30.4	E	0.37	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	216	E	0.42	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	438	E	1.17	2.03	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.3		2.44	3.25	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	77.5		40 - 140	155%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	86.9		40 - 140	174%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.1		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:	P4599-02	Acq On:	30 Oct 2024 17:37
Client Sample ID:	EX-1-TPH-2	Operator:	YP\AJ
Data file:	FG014578.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	52228806	374.411	200	ug/ml
Aromatic C12-C16	6.390	9.089	387858774	2670	300	ug/ml
Aromatic C16-C21	9.090	13.408	780533148	5390	500	ug/ml
Aromatic C21-C36	13.409	18.851	42486458	298.908	800	ug/ml
Aromatic EPH	4.519	18.851	1263107186	8730		ug/ml
ortho-Terphenyl (SURR)	11.972	11.972	5647572	38.14		ug/ml
2-Bromonaphthalene (SURR)	8.023	8.023	9732669	77.53		ug/ml
2-Flurobiphenyl (SURR)	8.902	8.902	7482412	86.87		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014578.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:37
Operator : YP\AJ
Sample : P4599-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:43:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.023	9732669	77.529 ug/mlm
Spiked Amount 50.000		Recovery = 155.06%	
6) S 2-Flurobiphenyl (SURR)	8.902	7482412	86.868 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 173.74%#	
11) S ortho-Terphenyl (SURR)	11.972	5647572	38.144 ug/mlm
Spiked Amount 50.000		Recovery = 76.29%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014578.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:37
Operator : YP\AJ
Sample : P4599-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

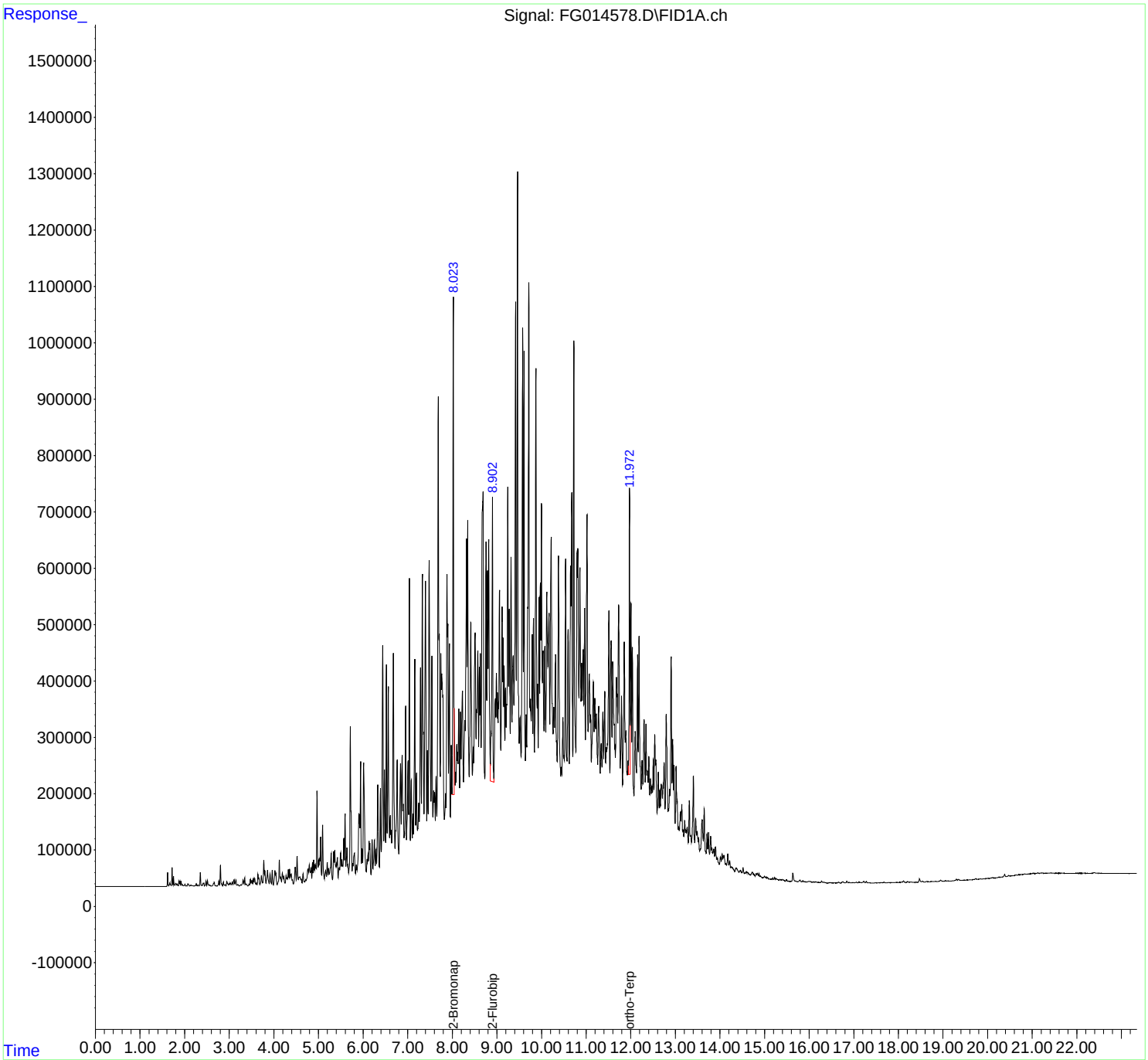
Integration File: autoint1.e
Quant Time: Oct 31 06:43:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

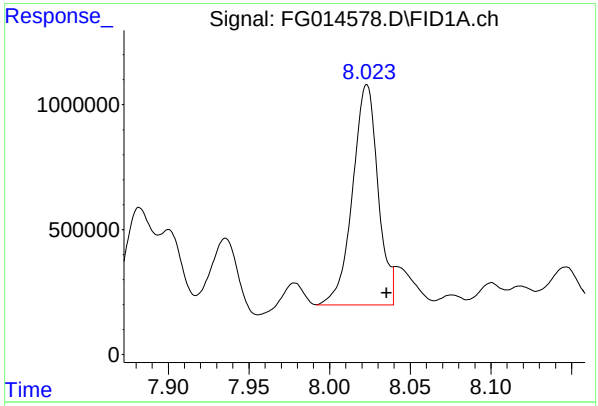
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024





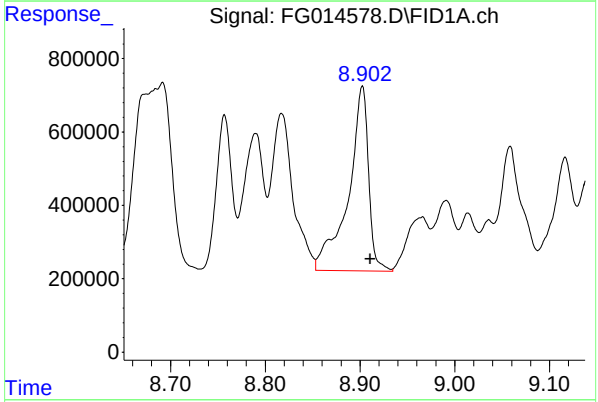
#4 2-Bromonaphthalene (SURR)

R.T.: 8.023 min
Delta R.T.: -0.013 min
Response: 9732669
Conc: 77.53 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2

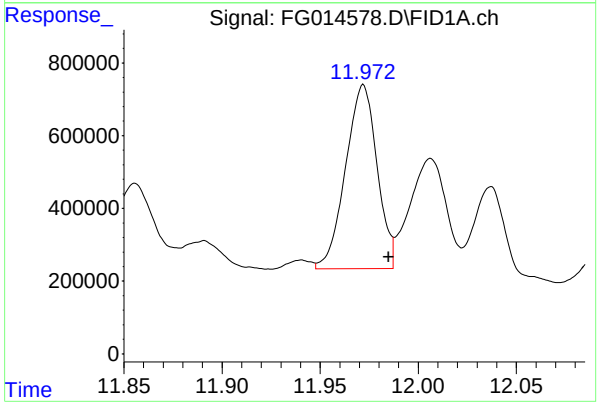
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.902 min
Delta R.T.: -0.009 min
Response: 7482412
Conc: 86.87 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.972 min
Delta R.T.: -0.013 min
Response: 5647572
Conc: 38.14 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014578.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:37
Sample : P4599-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.288	BV	14355	166290	0.69%	0.013%
2	4.298	4.288	4.308	VV	10299	113024	0.47%	0.009%
3	4.324	4.308	4.338	VV	25036	297898	1.24%	0.023%
4	4.353	4.338	4.369	VV	26135	344544	1.43%	0.026%
5	4.389	4.369	4.410	VV	17663	331792	1.38%	0.025%
6	4.417	4.410	4.436	VV	7564	69558	0.29%	0.005%
7	4.478	4.436	4.503	PV	30060	542572	2.25%	0.041%
8	4.521	4.503	4.548	VV	49451	652862	2.71%	0.050%
9	4.567	4.548	4.574	VV	12539	167975	0.70%	0.013%
10	4.581	4.574	4.606	VV	12581	209146	0.87%	0.016%
11	4.615	4.606	4.633	VV	9031	101028	0.42%	0.008%
12	4.655	4.633	4.679	VV	18373	272302	1.13%	0.021%
13	4.687	4.679	4.695	VV	4292	38508	0.16%	0.003%
14	4.712	4.695	4.723	VV	7923	102502	0.43%	0.008%
15	4.765	4.723	4.780	VV	26686	578708	2.40%	0.044%
16	4.795	4.780	4.818	VV	34439	602317	2.50%	0.046%
17	4.836	4.818	4.851	VV	28919	429988	1.78%	0.033%
18	4.866	4.851	4.878	VV	38600	419198	1.74%	0.032%
19	4.891	4.878	4.911	VV	42813	635164	2.63%	0.049%
20	4.925	4.911	4.937	VV	35025	470491	1.95%	0.036%
21	4.945	4.937	4.951	VV	32377	268311	1.11%	0.020%
22	4.969	4.951	4.989	VV	165319	1897107	7.87%	0.145%
23	5.002	4.989	5.013	VV	42751	545496	2.26%	0.042%
24	5.026	5.013	5.033	VV	45282	471766	1.96%	0.036%
25	5.047	5.033	5.072	VV	83631	1103409	4.58%	0.084%
26	5.093	5.072	5.132	VV	104663	1474997	6.12%	0.113%
27	5.160	5.132	5.179	VV	24028	504180	2.09%	0.039%
28	5.197	5.179	5.216	VV	38598	558021	2.31%	0.043%
29	5.228	5.216	5.245	VV	27976	387038	1.61%	0.030%
30	5.285	5.245	5.315	VV	54470	1136654	4.71%	0.087%
31	5.341	5.315	5.353	VV	57681	759754	3.15%	0.058%
32	5.366	5.353	5.394	VV	60100	1035025	4.29%	0.079%
33	5.405	5.394	5.412	VV	36203	368576	1.53%	0.028%
34	5.424	5.412	5.441	VV	47153	573019	2.38%	0.044%
35	5.466	5.441	5.477	VV	28835	507763	2.11%	0.039%
36	5.497	5.477	5.514	VV	55452	931805	3.87%	0.071%

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37	5.525	5.514	5.548	VV	43087	725009	3.01%	0.055%
38	5.569	5.548	5.581	VV	81639	1109619		
39	5.597	5.581	5.615	VV	125125	1545441		
40	5.640	5.615	5.656	VV	64301	1147841		
41	5.661	5.656	5.677	VV	35053	368381		
42	5.714	5.677	5.755	VV	279450	4772120		
43	5.769	5.755	5.778	VV	36525	421155	1.75%	0.032%
44	5.806	5.778	5.830	VV	55242	1299100	5.39%	0.099%
45	5.850	5.830	5.864	VV	33954	548543	2.28%	0.042%
46	5.906	5.864	5.915	VV	125735	2027445	8.41%	0.155%
47	5.923	5.915	5.932	VV	123217	1113975	4.62%	0.085%
48	5.945	5.932	5.964	VV	217539	2453431	10.18%	0.187%
49	5.978	5.964	5.993	VV	62735	883385	3.66%	0.067%
50	6.013	5.993	6.072	VV	215404	4688191	19.45%	0.358%
51	6.091	6.072	6.100	VV	44015	579239	2.40%	0.044%
52	6.111	6.100	6.121	VV	53024	584240	2.42%	0.045%
53	6.135	6.121	6.145	VV	76139	882046	3.66%	0.067%
54	6.153	6.145	6.178	VV	72864	917563	3.81%	0.070%
55	6.204	6.178	6.222	VV	78929	1125639	4.67%	0.086%
56	6.254	6.222	6.273	VV	78399	1541146	6.39%	0.118%
57	6.288	6.273	6.304	VV	61007	847034	3.51%	0.065%
58	6.329	6.304	6.366	VV	176002	3166964	13.14%	0.242%
59	6.388	6.366	6.407	VV	169261	2278189	9.45%	0.174%
60	6.442	6.407	6.465	VV	423493	7172927	29.75%	0.548%
61	6.480	6.465	6.504	VV	202448	3166160	13.13%	0.242%
62	6.523	6.504	6.539	VV	388872	4437303	18.41%	0.339%
63	6.565	6.539	6.595	VV	349985	5943721	24.66%	0.454%
64	6.610	6.595	6.622	VV	121974	1622246	6.73%	0.124%
65	6.629	6.622	6.643	VV	95895	1081955	4.49%	0.083%
66	6.680	6.643	6.716	VV	409525	8129341	33.72%	0.621%
67	6.733	6.716	6.737	VV	95786	1018175	4.22%	0.078%
68	6.764	6.737	6.803	VV	220452	4760504	19.75%	0.364%
69	6.840	6.803	6.856	VV	213519	4330691	17.96%	0.331%
70	6.877	6.856	6.892	VV	228354	3733098	15.49%	0.285%
71	6.900	6.892	6.920	VV	141929	2013556	8.35%	0.154%
72	6.955	6.920	6.975	VV	315175	5379412	22.31%	0.411%
73	7.008	6.975	7.021	VV	219115	4060834	16.84%	0.310%
74	7.039	7.021	7.060	VV	541370	6523251	27.06%	0.498%
75	7.080	7.060	7.104	VV	185026	3443035	14.28%	0.263%
76	7.118	7.104	7.129	VV	124774	1531539	6.35%	0.117%
77	7.161	7.129	7.179	VV	398845	6451883	26.76%	0.493%
78	7.198	7.179	7.219	VV	197076	3328120	13.81%	0.254%
79	7.248	7.219	7.261	VV	144181	2892596	12.00%	0.221%
80	7.288	7.261	7.310	VV	383963	6897454	28.61%	0.527%
81	7.329	7.310	7.368	VV	549227	10196974	42.30%	0.779%
82	7.400	7.368	7.429	VV	537754	11339851	47.04%	0.866%
83	7.444	7.429	7.458	VV	236898	3088107	12.81%	0.236%
84	7.482	7.458	7.523	VV	573321	12422834	51.53%	0.949%
85	7.544	7.523	7.565	VV	404203	6213726	25.78%	0.475%
86	7.584	7.565	7.595	VV	165660	2621023	10.87%	0.200%
87	7.606	7.595	7.620	VV	162230	2140323	8.88%	0.163%
88	7.637	7.620	7.654	VV	190621	3119970	12.94%	0.238%
89	7.686	7.654	7.702	VV	864970	12969188	53.80%	0.990%

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90	7.707	7.702	7.730	VV	443182	5857425	24.30%	0.447%
91	7.745	7.730	7.755	VV	406735	4908436	20	
92	7.764	7.755	7.823	VV	372745	11418390	47	
93	7.851	7.823	7.861	VV	160563	3141675	13	
94	7.882	7.861	7.894	VV	548977	7462813	30	
95	7.900	7.894	7.917	VV	461519	4961158	20	
96	7.935	7.917	7.956	VV	426130	6400997	26.55%	0.489%
97	7.978	7.956	7.992	VV	246237	3930018	16.30%	0.300%
98	8.023	7.992	8.065	VV	1043311	17994838	74.64%	1.374%
99	8.076	8.065	8.086	VV	198541	2310841	9.59%	0.176%
100	8.100	8.086	8.110	VV	247896	3231021	13.40%	0.247%
101	8.118	8.110	8.128	VV	234403	2458218	10.20%	0.188%
102	8.146	8.128	8.165	VV	310882	5466584	22.68%	0.417%
103	8.182	8.165	8.198	VV	305113	5010670	20.78%	0.383%
104	8.228	8.198	8.251	VV	341869	8621667	35.76%	0.658%
105	8.280	8.251	8.290	VV	290036	5704817	23.66%	0.436%
106	8.321	8.290	8.333	VV	610416	11374781	47.18%	0.869%
107	8.346	8.333	8.379	VV	643967	10423852	43.24%	0.796%
108	8.415	8.379	8.450	VV	463332	13063849	54.19%	0.998%
109	8.472	8.450	8.482	VV	242574	4169789	17.30%	0.318%
110	8.513	8.482	8.533	VV	445204	10704784	44.40%	0.817%
111	8.549	8.533	8.553	VV	310090	3593630	14.91%	0.274%
112	8.573	8.553	8.593	VV	414070	8079419	33.51%	0.617%
113	8.608	8.593	8.618	VV	384755	4788810	19.86%	0.366%
114	8.631	8.618	8.649	VV	408444	6255056	25.95%	0.478%
115	8.691	8.649	8.731	VV	696355	22274068	92.40%	1.701%
116	8.757	8.731	8.771	VV	606727	9188934	38.12%	0.702%
117	8.790	8.771	8.802	VV	555905	8647474	35.87%	0.660%
118	8.817	8.802	8.853	VV	610882	12262762	50.87%	0.936%
119	8.902	8.853	8.933	VV	685621	16146066	66.98%	1.233%
120	8.965	8.933	8.975	VV	328015	6915231	28.69%	0.528%
121	8.991	8.975	9.004	VV	373267	5829418	24.18%	0.445%
122	9.014	9.004	9.026	VV	339198	4092191	16.97%	0.313%
123	9.036	9.026	9.041	VV	320746	2791684	11.58%	0.213%
124	9.058	9.041	9.088	VV	521600	10488515	43.51%	0.801%
125	9.117	9.088	9.129	VV	491776	9061325	37.59%	0.692%
126	9.140	9.129	9.153	VV	436460	5429909	22.52%	0.415%
127	9.164	9.153	9.179	VV	386578	5194809	21.55%	0.397%
128	9.193	9.179	9.207	VV	348317	5267668	21.85%	0.402%
129	9.245	9.207	9.263	VV	701905	14435572	59.88%	1.102%
130	9.277	9.263	9.300	VV	485156	8620225	35.76%	0.658%
131	9.318	9.300	9.338	VV	579155	9562303	39.67%	0.730%
132	9.366	9.338	9.381	VV	404346	9371718	38.87%	0.716%
133	9.420	9.381	9.436	VV	1031542	18785890	77.93%	1.435%
134	9.464	9.436	9.501	VV	1263470	22338682	92.66%	1.706%
135	9.520	9.501	9.541	VV	294860	6427273	26.66%	0.491%
136	9.577	9.541	9.593	VV	986057	16393100	68.00%	1.252%
137	9.610	9.593	9.640	VV	945485	13793639	57.22%	1.053%
138	9.656	9.640	9.669	VV	299754	4630767	19.21%	0.354%
139	9.715	9.669	9.745	VV	1066778	24107374	100.00%	1.841%
140	9.754	9.745	9.770	VV	328141	4592149	19.05%	0.351%
141	9.793	9.770	9.806	VV	443151	7446013	30.89%	0.569%

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142	9.820	9.806	9.842	VV	470643	7426350	30.81%	0.567%
143	9.875	9.842	9.902	VV	914360	18015523	74	
144	9.913	9.902	9.928	VV	355256	4835968	20	
145	9.945	9.928	9.958	VV	508043	7218798	29	
146	9.974	9.958	9.985	VV	533636	7451242	30	
147	9.999	9.985	10.022	VV	674463	10891390	45	
148	10.035	10.022	10.056	VV	413354	7336109	30.43%	0.560%
149	10.074	10.056	10.096	VV	421264	7881648	32.69%	0.602%
150	10.119	10.096	10.143	VV	517580	11674185	48.43%	0.892%
151	10.169	10.143	10.188	VV	480116	11147665	46.24%	0.851%
152	10.218	10.188	10.260	VV	615533	18023373	74.76%	1.376%
153	10.276	10.260	10.293	VV	312307	5723475	23.74%	0.437%
154	10.315	10.293	10.351	VV	407209	10419009	43.22%	0.796%
155	10.380	10.351	10.429	VV	581234	15659354	64.96%	1.196%
156	10.439	10.429	10.455	VV	206379	3133893	13.00%	0.239%
157	10.480	10.455	10.495	VV	294664	5891384	24.44%	0.450%
158	10.501	10.495	10.511	VV	227517	2153168	8.93%	0.164%
159	10.539	10.511	10.572	VV	575606	11874140	49.26%	0.907%
160	10.596	10.572	10.622	VV	450364	9705045	40.26%	0.741%
161	10.653	10.622	10.664	VV	562992	10347442	42.92%	0.790%
162	10.678	10.664	10.702	VV	694211	10992639	45.60%	0.839%
163	10.725	10.702	10.770	VV	963369	18154859	75.31%	1.386%
164	10.798	10.770	10.805	VV	586159	8952788	37.14%	0.684%
165	10.814	10.805	10.839	VV	593870	9736470	40.39%	0.744%
166	10.861	10.839	10.887	VV	560193	12263773	50.87%	0.937%
167	10.899	10.887	10.912	VV	390569	5487871	22.76%	0.419%
168	10.933	10.912	10.948	VV	415671	7985817	33.13%	0.610%
169	10.966	10.948	10.984	VV	488693	8308135	34.46%	0.634%
170	11.020	10.984	11.044	VV	655093	15745357	65.31%	1.202%
171	11.071	11.044	11.092	VV	371522	9394124	38.97%	0.717%
172	11.098	11.092	11.116	VV	298863	3935365	16.32%	0.301%
173	11.162	11.116	11.178	VV	357471	10569697	43.84%	0.807%
174	11.197	11.178	11.214	VV	329067	6556250	27.20%	0.501%
175	11.229	11.214	11.259	VV	301529	7145235	29.64%	0.546%
176	11.281	11.259	11.316	VV	315090	8813211	36.56%	0.673%
177	11.338	11.316	11.357	VV	248449	5458151	22.64%	0.417%
178	11.377	11.357	11.396	VV	304948	6078651	25.21%	0.464%
179	11.418	11.396	11.437	VV	340573	6893135	28.59%	0.526%
180	11.452	11.437	11.460	VV	241603	3217654	13.35%	0.246%
181	11.476	11.460	11.483	VV	248241	3316361	13.76%	0.253%
182	11.511	11.483	11.532	VV	484046	10037484	41.64%	0.767%
183	11.560	11.532	11.580	VV	429876	9872202	40.95%	0.754%
184	11.597	11.580	11.642	VV	393713	11664684	48.39%	0.891%
185	11.648	11.642	11.658	VV	244571	2193609	9.10%	0.168%
186	11.681	11.658	11.709	VV	366180	9625643	39.93%	0.735%
187	11.729	11.709	11.765	VV	493554	12041911	49.95%	0.920%
188	11.795	11.765	11.817	VV	332677	7706725	31.97%	0.589%
189	11.856	11.817	11.879	VV	428630	10930189	45.34%	0.835%
190	11.891	11.879	11.925	VV	270775	6419672	26.63%	0.490%
191	11.940	11.925	11.948	VV	217838	2802380	11.62%	0.214%
192	11.972	11.948	11.988	VV	701117	10371782	43.02%	0.792%
193	12.006	11.988	12.022	VV	497101	7851977	32.57%	0.600%
194	12.037	12.022	12.072	VV	419576	7633659	31.67%	0.583%

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195	12.099	12.072	12.130	VV	270076	7578974	31.44%	0.579%
196	12.154	12.130	12.170	VV	405763	6996712	29	
197	12.187	12.170	12.232	VV	438972	10240617	42	
198	12.254	12.232	12.271	VV	218772	4538101	18	
199	12.298	12.271	12.323	VV	290972	7174645	29	
200	12.342	12.323	12.360	VV	283346	5123356	21	
201	12.371	12.360	12.391	VV	200156	3525398	14.62%	0.269%
202	12.405	12.391	12.423	VV	225418	3730779	15.48%	0.285%
203	12.441	12.423	12.458	VV	185319	3566369	14.79%	0.272%
204	12.474	12.458	12.487	VV	172642	2928461	12.15%	0.224%
205	12.504	12.487	12.519	VV	219945	3675377	15.25%	0.281%
206	12.538	12.519	12.555	VV	264535	4886801	20.27%	0.373%
207	12.563	12.555	12.589	VV	219628	3609854	14.97%	0.276%
208	12.619	12.589	12.639	VV	197905	4646997	19.28%	0.355%
209	12.652	12.639	12.665	VV	165646	2339003	9.70%	0.179%
210	12.684	12.665	12.712	VV	176034	4600952	19.09%	0.351%
211	12.724	12.712	12.732	VV	173826	1988292	8.25%	0.152%
212	12.747	12.732	12.770	VV	214610	3978620	16.50%	0.304%
213	12.796	12.770	12.837	VV	300022	8197891	34.01%	0.626%
214	12.873	12.837	12.881	VV	167898	3887488	16.13%	0.297%
215	12.907	12.881	12.925	VV	402972	7028105	29.15%	0.537%
216	12.940	12.925	12.956	VV	254889	3993754	16.57%	0.305%
217	12.968	12.956	12.996	VV	210410	3782418	15.69%	0.289%
218	13.017	12.996	13.036	VV	208344	3789839	15.72%	0.289%
219	13.041	13.036	13.065	VV	146576	2170618	9.00%	0.166%
220	13.075	13.065	13.087	VV	99607	1282221	5.32%	0.098%
221	13.115	13.087	13.127	VV	127268	2647034	10.98%	0.202%
222	13.143	13.127	13.163	VV	140626	2558327	10.61%	0.195%
223	13.174	13.163	13.187	VV	95454	1352989	5.61%	0.103%
224	13.209	13.187	13.225	VV	111535	2209603	9.17%	0.169%
225	13.234	13.225	13.248	VV	94566	1291530	5.36%	0.099%
226	13.265	13.248	13.290	VV	100750	2265267	9.40%	0.173%
227	13.312	13.290	13.336	VV	147026	2877837	11.94%	0.220%
228	13.348	13.336	13.362	VV	84587	1281511	5.32%	0.098%
229	13.403	13.362	13.431	VV	190335	4734153	19.64%	0.362%
230	13.454	13.431	13.475	VV	115085	2499040	10.37%	0.191%
231	13.487	13.475	13.511	VV	92126	1816058	7.53%	0.139%
232	13.521	13.511	13.543	VV	81639	1391947	5.77%	0.106%
233	13.560	13.543	13.565	VV	61448	778106	3.23%	0.059%
234	13.601	13.565	13.626	VV	112832	3294818	13.67%	0.252%
235	13.646	13.626	13.691	VV	132567	3163212	13.12%	0.242%
236	13.710	13.691	13.725	VV	88021	1430035	5.93%	0.109%
237	13.744	13.725	13.765	VV	90280	1723311	7.15%	0.132%
238	13.791	13.765	13.808	VV	83688	1743186	7.23%	0.133%
239	13.817	13.808	13.841	VV	63084	1140342	4.73%	0.087%
240	13.861	13.841	13.879	VV	61198	1284783	5.33%	0.098%
241	13.898	13.879	13.927	VV	64657	1544773	6.41%	0.118%
242	13.942	13.927	13.985	VV	43960	1366149	5.67%	0.104%
243	14.010	13.985	14.029	VV	46936	1117040	4.63%	0.085%
244	14.048	14.029	14.063	VV	52410	927116	3.85%	0.071%
245	14.092	14.063	14.120	VV	49737	1511276	6.27%	0.115%
246	14.132	14.120	14.147	VV	34289	531281	2.20%	0.041%

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

247	14.174	14.147	14.196	VV	52790	1212208	5.03%	0.093%
248	14.217	14.196	14.240	VV	39884	879674		
249	14.255	14.240	14.276	VV	29009	613682		
250	14.280	14.276	14.332	VV	28091	838147		
251	14.362	14.332	14.426	VV	26694	1334072		
252	14.460	14.426	14.479	VV	23436	674255		
253	14.485	14.479	14.496	VV	19875	202082	0.84%	0.015%
254	14.517	14.496	14.543	VV	27667	623181	2.59%	0.048%
255	14.590	14.543	14.602	VV	21104	668721	2.77%	0.051%
256	14.610	14.602	14.664	VV	19770	668500	2.77%	0.051%
257	14.670	14.664	14.686	VV	15651	192567	0.80%	0.015%
258	14.727	14.686	14.750	VV	19896	678825	2.82%	0.052%
259	14.759	14.750	14.785	VV	16914	320093	1.33%	0.024%
260	14.811	14.785	14.826	VV	17147	371382	1.54%	0.028%
261	14.839	14.826	14.857	VV	17930	305268	1.27%	0.023%
262	14.874	14.857	14.893	VV	17478	316027	1.31%	0.024%
263	14.905	14.893	14.947	VV	13178	372049	1.54%	0.028%
264	14.970	14.947	14.978	VV	10578	189884	0.79%	0.015%
265	14.996	14.978	15.021	VV	12746	289774	1.20%	0.022%
266	15.037	15.021	15.051	VV	11176	189707	0.79%	0.014%
267	15.067	15.051	15.088	VV	9983	205693	0.85%	0.016%
268	15.099	15.088	15.133	VV	7800	200154	0.83%	0.015%
269	15.137	15.133	15.145	VV	7411	55085	0.23%	0.004%
270	15.153	15.145	15.168	VV	7420	101293	0.42%	0.008%
271	15.184	15.168	15.204	VV	9928	174551	0.72%	0.013%
272	15.224	15.204	15.241	VV	10553	189236	0.78%	0.014%
273	15.256	15.241	15.288	VV	8760	210600	0.87%	0.016%
274	15.295	15.288	15.318	VV	6985	112984	0.47%	0.009%
275	15.344	15.318	15.363	VV	7202	168006	0.70%	0.013%
276	15.372	15.363	15.377	VV	5920	47236	0.20%	0.004%
277	15.389	15.377	15.416	VV	6379	141656	0.59%	0.011%
278	15.426	15.416	15.449	VV	6223	106467	0.44%	0.008%
279	15.467	15.449	15.472	VV	4408	56894	0.24%	0.004%
280	15.492	15.472	15.532	VV	6462	166959	0.69%	0.013%
281	15.540	15.532	15.569	VV	3765	78821	0.33%	0.006%
282	15.578	15.569	15.584	VV	3295	29186	0.12%	0.002%
283	15.633	15.584	15.688	VV	17950	438664	1.82%	0.033%
284	15.697	15.688	15.740	VV	3970	99695	0.41%	0.008%
285	15.754	15.740	15.759	VV	2996	32527	0.13%	0.002%
286	15.794	15.759	15.838	VV	5631	184625	0.77%	0.014%
287	15.859	15.838	15.877	VV	4653	80392	0.33%	0.006%
288	15.896	15.877	15.915	VV	3130	60536	0.25%	0.005%
289	15.921	15.915	15.929	VV	2589	21725	0.09%	0.002%
290	15.934	15.929	15.944	VV	2351	19630	0.08%	0.001%
291	15.991	15.944	16.013	VV	3548	118943	0.49%	0.009%
292	16.027	16.013	16.055	VV	3259	64637	0.27%	0.005%
293	16.097	16.055	16.118	VV	2537	77460	0.32%	0.006%
294	16.142	16.118	16.172	VV	2334	65782	0.27%	0.005%
295	16.188	16.172	16.205	VV	1918	32843	0.14%	0.003%
296	16.219	16.205	16.229	VV	1383	18329	0.08%	0.001%
297	16.237	16.229	16.255	VV	1544	20382	0.08%	0.002%
298	16.278	16.255	16.302	VV	3793	65263	0.27%	0.005%
299	16.310	16.302	16.316	VV	1468	11967	0.05%	0.001%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.328	16.316	16.357	VV	1994	35791	0.15%	0.003%
301	16.365	16.357	16.400	VV	1027	14778		
302	16.462	16.415	16.481	PV	1193	27065		
303	16.493	16.481	16.512	VV	928	11832		
304	16.525	16.512	16.545	VV	519	8778		
305	16.560	16.545	16.582	VV	752	12137		
306	16.603	16.582	16.625	VV	774	14163	0.06%	0.001%
307	16.657	16.625	16.692	VV	1960	42330	0.18%	0.003%
308	16.703	16.692	16.707	VV	418	3159	0.01%	0.000%
309	16.740	16.707	16.751	VV	2199	32681	0.14%	0.002%
310	16.762	16.751	16.786	VV	2172	30924	0.13%	0.002%
311	16.805	16.786	16.819	VV	697	10897	0.05%	0.001%
312	16.842	16.819	16.867	VV	3505	52095	0.22%	0.004%
313	16.891	16.867	16.916	VV	1787	29383	0.12%	0.002%
314	16.933	16.916	16.945	VV	640	9418	0.04%	0.001%
315	16.986	16.945	17.007	VV	1035	26369	0.11%	0.002%
316	17.060	17.007	17.084	VV	1803	43505	0.18%	0.003%
317	17.119	17.084	17.141	VV	2067	39203	0.16%	0.003%
318	17.145	17.141	17.178	VV	1080	20095	0.08%	0.002%
319	17.199	17.178	17.203	VV	1466	17056	0.07%	0.001%
320	17.226	17.203	17.254	VV	3142	57241	0.24%	0.004%
321	17.280	17.254	17.317	VV	3185	52721	0.22%	0.004%
322	17.347	17.317	17.378	VV	560	14899	0.06%	0.001%
323	17.429	17.420	17.448	VV	169	1007	0.00%	0.000%
324	17.482	17.448	17.517	PV	553	11093	0.05%	0.001%
325	17.552	17.517	17.568	VV	446	8561	0.04%	0.001%
326	17.612	17.568	17.635	VV	810	20393	0.08%	0.002%
327	17.645	17.635	17.655	VV	667	5659	0.02%	0.000%
328	17.677	17.655	17.713	VV	1557	25341	0.11%	0.002%
329	17.724	17.713	17.744	VV	267	2628	0.01%	0.000%
330	17.764	17.744	17.770	PV	438	4212	0.02%	0.000%
331	17.780	17.770	17.783	VV	445	3111	0.01%	0.000%
332	17.795	17.783	17.816	VV	554	7433	0.03%	0.001%
333	17.823	17.816	17.828	VV	254	1553	0.01%	0.000%
334	17.850	17.828	17.883	VV	443	9509	0.04%	0.001%
335	17.902	17.883	17.922	VV	355	6211	0.03%	0.000%
336	17.927	17.922	17.933	VV	357	1886	0.01%	0.000%
337	17.952	17.933	17.975	VV	526	8738	0.04%	0.001%
338	17.981	17.975	17.995	VV	194	1317	0.01%	0.000%
339	18.024	17.995	18.031	VV	393	4305	0.02%	0.000%
340	18.042	18.031	18.048	VV	769	4642	0.02%	0.000%
341	18.051	18.048	18.056	VV	479	2181	0.01%	0.000%
342	18.082	18.056	18.095	VV	1183	20002	0.08%	0.002%
343	18.115	18.095	18.147	VV	2983	45210	0.19%	0.003%
344	18.158	18.147	18.162	VV	236	1405	0.01%	0.000%
345	18.166	18.162	18.178	VV	242	1429	0.01%	0.000%
346	18.204	18.178	18.228	PV	1565	21320	0.09%	0.002%

Sum of corrected areas: 1309485556

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-2DL		SDG No.:	P4599	
Lab Sample ID:	P4599-02DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.9	
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
FE050945.D	50	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	154		23.2	61.0	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	531		14.6	40.7	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	329		18.3	61.0	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	20.0	J	48.8	81.3	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	109	U	109	121	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:	P4599-02DL	Acq On:	31 Oct 2024 16:03
Client Sample ID:	EX-1-TPH-2DL	Operator:	YP\AJ
Data file:	FE050945.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	5430561	38.003	300	ug/ml
Aliphatic C12-C16	6.762	10.193	18968946	130.714	200	ug/ml
Aliphatic C16-C21	10.194	13.552	11714985	81.128	300	ug/ml
Aliphatic C21-C28	13.553	17.208	700039	4.924	400	ug/ml
Aliphatic C28-C40	17.209	22.054	243526	1.761	600	ug/ml
Aliphatic EPH	3.144	22.054	37058057	256.53		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	3.144	17.208	36814531	254.769	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050945.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 16:03
Operator : YP\AJ
Sample : P4599-02DL 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2DL

Integration File: autoint1.e
Quant Time: Nov 01 03:43:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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

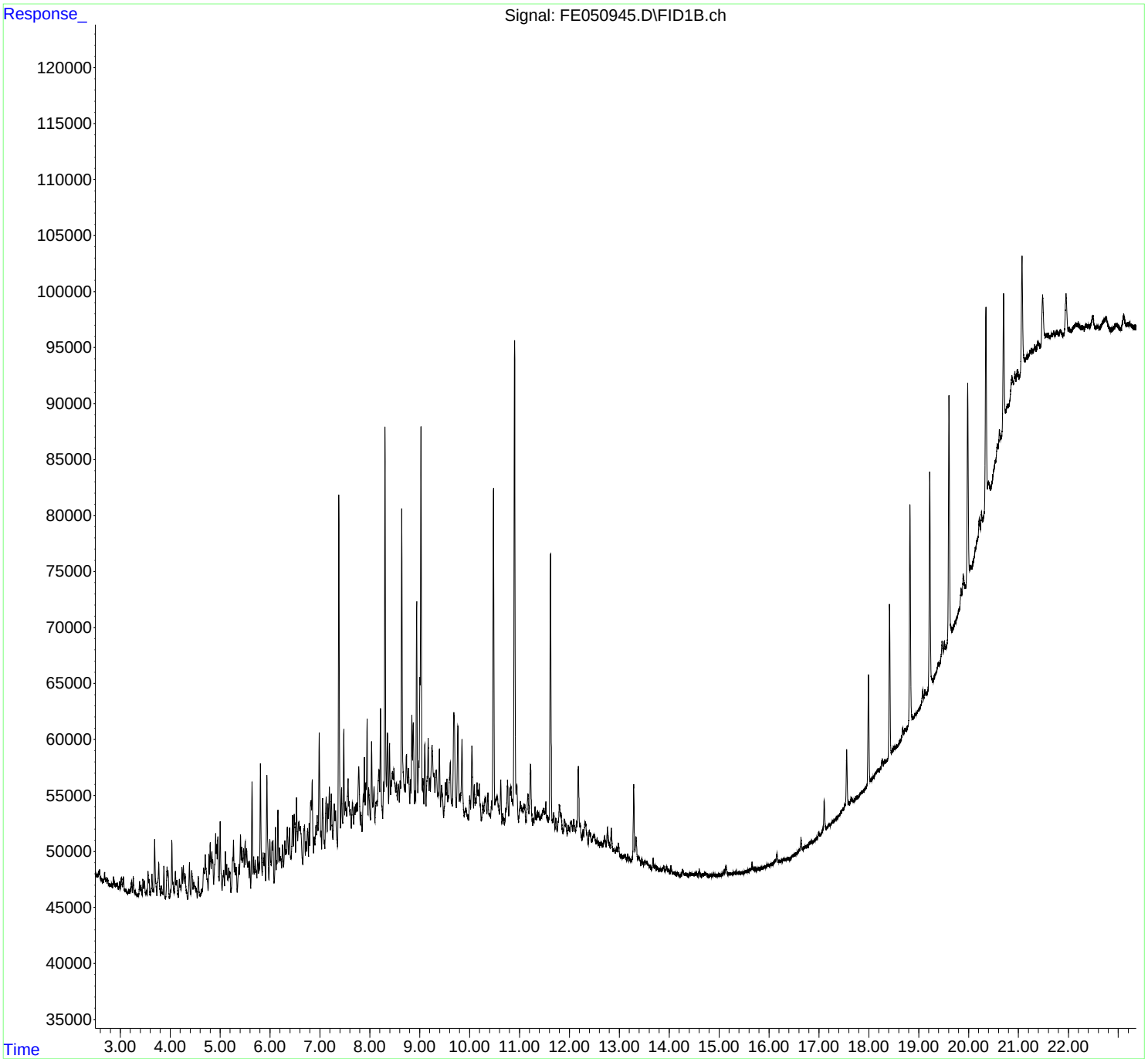
(f)=RT Delta > 1/2 Window (m)=manual int.

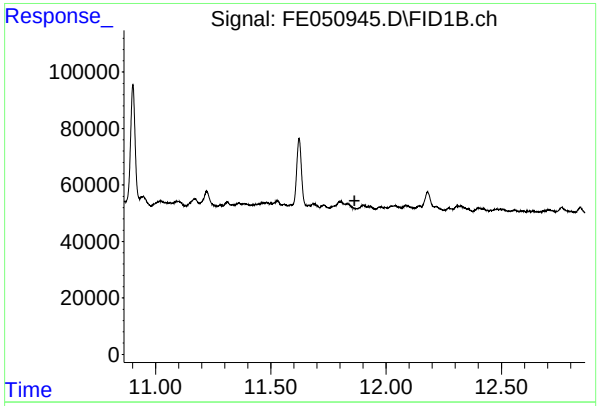
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050945.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 16:03
Operator : YP\AJ
Sample : P4599-02DL 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2DL

Integration File: autoint1.e
Quant Time: Nov 01 03:43:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

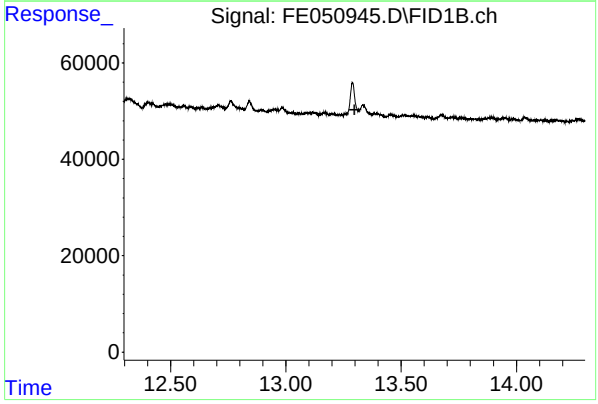




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-2DL



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.298 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050945.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 16:03
Sample : P4599-02DL 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.224	3.204	3.244	BV	832	8624	0.90%	0.023%
2	3.260	3.244	3.284	VV	1357	13050	1.37%	0.035%
3	3.290	3.284	3.347	VV	176	1760	0.18%	0.005%
4	3.386	3.347	3.400	PV	1222	14447	1.51%	0.039%
5	3.413	3.400	3.433	VV	886	11264	1.18%	0.030%
6	3.455	3.433	3.469	VV	1488	18328	1.92%	0.049%
7	3.484	3.469	3.514	VV	1323	20175	2.11%	0.054%
8	3.523	3.514	3.536	VV	500	4441	0.46%	0.012%
9	3.556	3.536	3.599	VV	2171	40810	4.27%	0.110%
10	3.634	3.599	3.667	VV	1997	35911	3.76%	0.097%
11	3.688	3.667	3.732	VV	5135	77110	8.07%	0.208%
12	3.770	3.732	3.804	VV	3127	60561	6.34%	0.163%
13	3.825	3.804	3.858	VV	1040	19572	2.05%	0.053%
14	3.874	3.858	3.903	VV	2780	28426	2.98%	0.077%
15	3.937	3.903	3.948	PV	2792	36680	3.84%	0.099%
16	3.956	3.948	3.985	VV	2424	30584	3.20%	0.083%
17	4.034	3.985	4.081	VV	5139	81896	8.58%	0.221%
18	4.103	4.081	4.121	VV	2323	36818	3.86%	0.099%
19	4.132	4.121	4.164	VV	1561	22528	2.36%	0.061%
20	4.184	4.164	4.216	VV	1701	33796	3.54%	0.091%
21	4.235	4.216	4.248	VV	2782	35395	3.71%	0.096%
22	4.264	4.248	4.280	VV	2938	40378	4.23%	0.109%
23	4.296	4.280	4.348	VV	2224	46811	4.90%	0.126%
24	4.385	4.348	4.409	PV	3234	45238	4.74%	0.122%
25	4.432	4.409	4.458	VV	2488	44050	4.61%	0.119%
26	4.475	4.458	4.541	VV	1391	46254	4.84%	0.125%
27	4.563	4.541	4.604	VV	1918	30314	3.17%	0.082%
28	4.623	4.604	4.634	VV	743	9499	0.99%	0.026%
29	4.671	4.634	4.688	VV	2630	53204	5.57%	0.144%
30	4.703	4.688	4.758	VV	3871	97900	10.25%	0.264%
31	4.776	4.758	4.787	VV	3888	42270	4.43%	0.114%
32	4.801	4.787	4.820	VV	4870	70163	7.35%	0.189%
33	4.834	4.820	4.871	VV	4091	93519	9.79%	0.252%
34	4.911	4.871	4.942	VV	5695	153901	16.12%	0.415%
35	4.954	4.942	4.980	VV	5349	77600	8.13%	0.209%
36	5.001	4.980	5.040	VV	6755	109114	11.43%	0.294%

37	5.071	5.040	5.088	VV	2455	48173	5.04%	0.130%
38	5.106	5.088	5.122	VV	4068	55499	5.81%	0.150%
39	5.133	5.122	5.156	VV	2975	45426	4.76%	0.123%
40	5.173	5.156	5.221	VV	2585	67365	7.05%	0.182%
41	5.269	5.221	5.306	VV	5048	137759	14.43%	0.372%
42	5.323	5.306	5.345	VV	2527	43691	4.57%	0.118%
43	5.377	5.345	5.388	VV	2859	48052	5.03%	0.130%
44	5.409	5.388	5.423	VV	5489	80823	8.46%	0.218%
45	5.432	5.423	5.444	VV	4321	49174	5.15%	0.133%
46	5.470	5.444	5.483	VV	4240	82240	8.61%	0.222%
47	5.502	5.483	5.518	VV	4860	81894	8.58%	0.221%
48	5.532	5.518	5.556	VV	4261	77236	8.09%	0.208%
49	5.567	5.556	5.582	VV	3107	42205	4.42%	0.114%
50	5.595	5.582	5.614	VV	3075	39039	4.09%	0.105%
51	5.640	5.614	5.660	VV	10177	135124	14.15%	0.365%
52	5.673	5.660	5.689	VV	3463	46228	4.84%	0.125%
53	5.705	5.689	5.738	VV	3207	68572	7.18%	0.185%
54	5.756	5.738	5.770	VV	3471	52830	5.53%	0.143%
55	5.781	5.770	5.788	VV	2887	27435	2.87%	0.074%
56	5.809	5.788	5.843	VV	11784	183769	19.24%	0.496%
57	5.861	5.843	5.881	VV	3807	68309	7.15%	0.184%
58	5.893	5.881	5.910	VV	3761	49199	5.15%	0.133%
59	5.939	5.910	5.977	VV	10686	200780	21.02%	0.542%
60	5.998	5.977	6.025	VV	4967	94128	9.86%	0.254%
61	6.042	6.025	6.050	VV	4687	57796	6.05%	0.156%
62	6.060	6.050	6.084	VV	4984	64862	6.79%	0.175%
63	6.109	6.084	6.125	VV	6009	82458	8.63%	0.223%
64	6.159	6.125	6.179	VV	7623	139868	14.65%	0.377%
65	6.191	6.179	6.206	VV	4225	57888	6.06%	0.156%
66	6.214	6.206	6.231	VV	3332	46731	4.89%	0.126%
67	6.251	6.231	6.272	VV	4462	84134	8.81%	0.227%
68	6.298	6.272	6.312	VV	4791	91272	9.56%	0.246%
69	6.321	6.312	6.328	VV	4016	37572	3.93%	0.101%
70	6.347	6.328	6.371	VV	6040	123308	12.91%	0.333%
71	6.392	6.371	6.418	VV	5861	123790	12.96%	0.334%
72	6.454	6.418	6.470	VV	7033	156575	16.40%	0.423%
73	6.486	6.470	6.513	VV	7119	148086	15.51%	0.400%
74	6.532	6.513	6.557	VV	8618	164743	17.25%	0.445%
75	6.580	6.557	6.596	VV	6417	139727	14.63%	0.377%
76	6.608	6.596	6.658	VV	5989	172307	18.04%	0.465%
77	6.692	6.658	6.709	VV	6145	149009	15.60%	0.402%
78	6.721	6.709	6.731	VV	4574	54014	5.66%	0.146%
79	6.755	6.731	6.772	VV	5789	119080	12.47%	0.321%
80	6.785	6.772	6.796	VV	6280	73651	7.71%	0.199%
81	6.824	6.796	6.833	VV	8372	159473	16.70%	0.430%
82	6.846	6.833	6.873	VV	10175	167165	17.50%	0.451%
83	6.887	6.873	6.898	VV	4983	65458	6.85%	0.177%
84	6.920	6.898	6.930	VV	6027	103062	10.79%	0.278%
85	6.945	6.930	6.961	VV	6916	114310	11.97%	0.308%
86	6.987	6.961	7.036	VV	14215	342811	35.90%	0.925%
87	7.054	7.036	7.099	VV	8452	223650	23.42%	0.604%
88	7.126	7.099	7.145	VV	8562	183042	19.17%	0.494%
89	7.160	7.145	7.171	VV	7929	109090	11.42%	0.294%

90	7.191	7.171	7.210	VV	9413	179922	18.84%	0.486%
91	7.230	7.210	7.261	VV	8821	203405	21.30%	0.549%
92	7.289	7.261	7.302	VV	7894	163052	17.07%	0.440%
93	7.314	7.302	7.354	VV	7274	181057	18.96%	0.489%
94	7.380	7.354	7.415	VV	35360	545996	57.17%	1.473%
95	7.435	7.415	7.456	VV	9266	183021	19.16%	0.494%
96	7.479	7.456	7.498	VV	14500	245123	25.67%	0.661%
97	7.510	7.498	7.536	VV	8061	173130	18.13%	0.467%
98	7.565	7.536	7.601	VV	10152	321081	33.62%	0.866%
99	7.609	7.601	7.630	VV	7313	113511	11.89%	0.306%
100	7.654	7.630	7.678	VV	7977	203725	21.33%	0.550%
101	7.694	7.678	7.703	VV	7593	103884	10.88%	0.280%
102	7.714	7.703	7.725	VV	7763	96827	10.14%	0.261%
103	7.738	7.725	7.753	VV	7870	129415	13.55%	0.349%
104	7.780	7.753	7.810	VV	11094	303966	31.83%	0.820%
105	7.825	7.810	7.847	VV	7036	138846	14.54%	0.375%
106	7.892	7.847	7.909	VV	11776	312644	32.74%	0.844%
107	7.947	7.909	7.964	VV	15450	345431	36.17%	0.932%
108	7.980	7.964	8.012	VV	9169	227719	23.84%	0.614%
109	8.037	8.012	8.058	VV	13338	255887	26.79%	0.691%
110	8.085	8.058	8.103	VV	9259	216980	22.72%	0.586%
111	8.135	8.103	8.149	VV	7910	209450	21.93%	0.565%
112	8.184	8.149	8.198	VV	10718	280441	29.37%	0.757%
113	8.216	8.198	8.259	VV	16226	370428	38.79%	1.000%
114	8.306	8.259	8.333	VV	41186	725928	76.01%	1.959%
115	8.355	8.333	8.378	VV	14059	296618	31.06%	0.800%
116	8.396	8.378	8.416	VV	13098	241360	25.27%	0.651%
117	8.453	8.416	8.471	VV	10575	322476	33.77%	0.870%
118	8.485	8.471	8.520	VV	10886	287713	30.13%	0.776%
119	8.534	8.520	8.553	VV	9553	177697	18.61%	0.480%
120	8.576	8.553	8.593	VV	9383	214108	22.42%	0.578%
121	8.609	8.593	8.617	VV	9696	131798	13.80%	0.356%
122	8.641	8.617	8.714	VV	34074	817701	85.62%	2.207%
123	8.734	8.714	8.756	VV	11956	265786	27.83%	0.717%
124	8.776	8.756	8.802	VV	10708	267374	28.00%	0.721%
125	8.818	8.802	8.826	VV	9751	129583	13.57%	0.350%
126	8.844	8.826	8.857	VV	15508	226468	23.71%	0.611%
127	8.872	8.857	8.898	VV	14880	291979	30.57%	0.788%
128	8.940	8.898	8.964	VV	25487	515517	53.98%	1.391%
129	9.026	8.964	9.053	VV	41367	955000	100.00%	2.577%
130	9.066	9.053	9.083	VV	9824	162251	16.99%	0.438%
131	9.104	9.083	9.128	VV	12891	264246	27.67%	0.713%
132	9.172	9.128	9.190	VV	13379	384504	40.26%	1.038%
133	9.203	9.190	9.217	VV	9805	149737	15.68%	0.404%
134	9.249	9.217	9.307	VV	12685	572642	59.96%	1.545%
135	9.333	9.307	9.364	VV	10529	327034	34.24%	0.882%
136	9.396	9.364	9.420	VV	12465	323868	33.91%	0.874%
137	9.439	9.420	9.480	VV	9172	285749	29.92%	0.771%
138	9.518	9.480	9.530	VV	9400	240036	25.13%	0.648%
139	9.547	9.530	9.564	VV	9681	178988	18.74%	0.483%
140	9.613	9.564	9.653	VV	11241	475753	49.82%	1.284%
141	9.686	9.653	9.734	VV	15464	527600	55.25%	1.424%

142	9.765	9.734	9.795	VV	14356	375389	39.31%	1.013%
143	9.806	9.795	9.817	VV	8316	108029	11.31%	0.292%
144	9.849	9.817	9.893	VV	13215	413733	43.32%	1.116%
145	9.926	9.893	9.961	VV	7015	268913	28.16%	0.726%
146	9.973	9.961	9.983	VV	6418	83360	8.73%	0.225%
147	10.004	9.983	10.021	VV	8074	165159	17.29%	0.446%
148	10.048	10.021	10.079	VV	12566	333327	34.90%	0.899%
149	10.094	10.079	10.112	VV	9098	163597	17.13%	0.441%
150	10.150	10.112	10.163	VV	9213	251272	26.31%	0.678%
151	10.195	10.163	10.238	VV	9093	347463	36.38%	0.938%
152	10.266	10.238	10.283	VV	7258	181852	19.04%	0.491%
153	10.306	10.283	10.313	VV	7793	132808	13.91%	0.358%
154	10.322	10.313	10.346	VV	7874	147426	15.44%	0.398%
155	10.367	10.346	10.420	VV	8294	303591	31.79%	0.819%
156	10.441	10.420	10.450	VV	7556	126369	13.23%	0.341%
157	10.479	10.450	10.509	VV	35368	617055	64.61%	1.665%
158	10.546	10.509	10.598	VV	7982	396227	41.49%	1.069%
159	10.626	10.598	10.651	VV	9444	236844	24.80%	0.639%
160	10.668	10.651	10.697	VV	6411	160977	16.86%	0.434%
161	10.761	10.697	10.786	VV	9403	381283	39.92%	1.029%
162	10.808	10.786	10.818	VV	8727	143136	14.99%	0.386%
163	10.829	10.818	10.868	VV	8803	239126	25.04%	0.645%
164	10.902	10.868	10.932	VV	48581	826918	86.59%	2.231%
165	10.945	10.932	10.981	VV	8853	221338	23.18%	0.597%
166	11.021	10.981	11.072	VV	7280	364411	38.16%	0.983%
167	11.091	11.072	11.131	VV	7187	235502	24.66%	0.635%
168	11.169	11.131	11.190	VV	8027	244755	25.63%	0.660%
169	11.222	11.190	11.264	VV	10675	339267	35.53%	0.916%
170	11.282	11.264	11.291	VV	5851	88222	9.24%	0.238%
171	11.311	11.291	11.339	VV	6842	178418	18.68%	0.481%
172	11.361	11.339	11.374	VV	6570	130572	13.67%	0.352%
173	11.386	11.374	11.418	VV	6302	159504	16.70%	0.430%
174	11.481	11.418	11.506	VV	6708	332677	34.84%	0.898%
175	11.528	11.506	11.548	VV	7327	167622	17.55%	0.452%
176	11.558	11.548	11.574	VV	6060	88544	9.27%	0.239%
177	11.623	11.574	11.671	VV	29477	659138	69.02%	1.779%
178	11.685	11.671	11.712	VV	6291	140458	14.71%	0.379%
179	11.730	11.712	11.752	VV	5810	128094	13.41%	0.346%
180	11.800	11.752	11.822	VV	6935	247932	25.96%	0.669%
181	11.830	11.822	11.872	VV	6165	161477	16.91%	0.436%
182	11.901	11.872	11.918	VV	5653	141657	14.83%	0.382%
183	11.928	11.918	11.953	VV	5234	104987	10.99%	0.283%
184	11.976	11.953	12.006	VV	5122	150314	15.74%	0.406%
185	12.040	12.006	12.066	VV	5534	184656	19.34%	0.498%
186	12.087	12.066	12.118	VV	5622	159042	16.65%	0.429%
187	12.143	12.118	12.153	VV	5394	105385	11.04%	0.284%
188	12.180	12.153	12.252	VV	10322	361891	37.89%	0.977%
189	12.272	12.252	12.291	VV	4630	100777	10.55%	0.272%
190	12.311	12.291	12.376	VV	5329	235194	24.63%	0.635%
191	12.401	12.376	12.446	VV	4596	169833	17.78%	0.458%
192	12.482	12.446	12.492	VV	4106	108399	11.35%	0.293%
193	12.498	12.492	12.536	VV	4110	102051	10.69%	0.275%
194	12.558	12.536	12.575	VV	3922	83263	8.72%	0.225%

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195	12.585	12.575	12.605	VV	3550	62660	6.56%	0.169%
196	12.637	12.605	12.654	VV	3522	98914	10.36%	0.267%
197	12.707	12.654	12.737	VV	4039	173027	18.12%	0.467%
198	12.762	12.737	12.819	VV	4812	178972	18.74%	0.483%
199	12.842	12.819	12.878	VV	4716	125690	13.16%	0.339%
200	12.895	12.878	12.920	VV	2818	67370	7.05%	0.182%
201	12.949	12.920	12.971	VV	3014	86017	9.01%	0.232%
202	12.984	12.971	13.024	VV	3344	86261	9.03%	0.233%
203	13.029	13.024	13.074	VV	2336	64462	6.75%	0.174%
204	13.115	13.074	13.144	VV	2339	90358	9.46%	0.244%
205	13.166	13.144	13.224	VV	2282	95116	9.96%	0.257%
206	13.234	13.224	13.245	VV	1831	22655	2.37%	0.061%
207	13.289	13.245	13.315	VV	8564	168362	17.63%	0.454%
208	13.334	13.315	13.373	VV	3854	97956	10.26%	0.264%
209	13.395	13.373	13.435	VV	2049	66738	6.99%	0.180%
210	13.453	13.435	13.484	VV	1874	47939	5.02%	0.129%
211	13.512	13.484	13.534	VV	1675	46033	4.82%	0.124%
212	13.555	13.534	13.601	VV	1586	56423	5.91%	0.152%
213	13.615	13.601	13.642	VV	1254	28371	2.97%	0.077%
214	13.675	13.642	13.701	VV	1736	45270	4.74%	0.122%
215	13.719	13.701	13.746	VV	1221	29909	3.13%	0.081%
216	13.759	13.746	13.794	VV	1038	27495	2.88%	0.074%
217	13.834	13.794	13.845	VV	837	24372	2.55%	0.066%
218	13.890	13.845	13.918	VV	1126	39487	4.13%	0.107%
219	13.950	13.918	13.972	VV	1053	28260	2.96%	0.076%
220	13.988	13.972	14.013	VV	831	16478	1.73%	0.044%
221	14.036	14.013	14.071	VV	1116	25263	2.65%	0.068%
222	14.077	14.071	14.143	VV	532	20202	2.12%	0.055%
223	14.170	14.143	14.214	VV	498	16531	1.73%	0.045%
224	14.269	14.214	14.307	VV	722	23305	2.44%	0.063%
225	14.319	14.307	14.376	VV	407	13189	1.38%	0.036%
226	14.382	14.376	14.388	VV	297	1801	0.19%	0.005%
227	14.405	14.388	14.431	VV	374	7938	0.83%	0.021%
228	14.439	14.431	14.461	VV	330	5523	0.58%	0.015%
229	14.474	14.461	14.531	VV	334	12137	1.27%	0.033%
230	14.549	14.531	14.580	VV	462	8696	0.91%	0.023%
231	14.599	14.580	14.645	VV	649	12909	1.35%	0.035%
232	14.668	14.645	14.689	VV	277	5862	0.61%	0.016%
233	14.728	14.689	14.797	VV	349	12864	1.35%	0.035%
234	14.889	14.797	14.928	PV	230	9186	0.96%	0.025%
235	14.993	14.928	15.024	VV	206	6034	0.63%	0.016%
236	15.040	15.024	15.074	PV	120	2061	0.22%	0.006%
237	15.138	15.074	15.238	VV	832	27403	2.87%	0.074%
238	15.244	15.238	15.261	VV	96	992	0.10%	0.003%
239	15.281	15.261	15.321	PV	176	3916	0.41%	0.011%
240	15.347	15.321	15.368	VV	154	2984	0.31%	0.008%
241	15.375	15.368	15.384	VV	158	851	0.09%	0.002%
242	15.401	15.384	15.418	VV	117	1267	0.13%	0.003%
243	15.425	15.418	15.434	PV	72	649	0.07%	0.002%
244	15.513	15.434	15.524	VV	111	2419	0.25%	0.007%
245	15.577	15.524	15.594	VV	166	4324	0.45%	0.012%
246	15.620	15.594	15.636	VV	237	4176	0.44%	0.011%

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247	15.658	15.636	15.689	VV	737	11733	1.23%	0.032%
248	15.726	15.689	15.739	VV	279	5936	0.62%	0.016%
249	15.803	15.739	15.808	VV	121	4319	0.45%	0.012%
250	15.816	15.808	15.838	VV	129	1551	0.16%	0.004%
251	15.975	15.838	16.011	PV	212	12354	1.29%	0.033%
252	16.056	16.011	16.081	VV	152	5178	0.54%	0.014%
253	16.120	16.081	16.134	VV	403	8100	0.85%	0.022%
254	16.158	16.134	16.201	VV	974	18314	1.92%	0.049%
255	16.209	16.201	16.228	VV	229	2445	0.26%	0.007%
256	16.231	16.228	16.244	VV	172	1023	0.11%	0.003%
257	16.290	16.244	16.314	VV	308	6514	0.68%	0.018%
258	16.352	16.314	16.413	VV	160	6119	0.64%	0.017%
259	16.641	16.413	16.677	PV	1086	27520	2.88%	0.074%
260	16.735	16.677	16.744	VV	140	3887	0.41%	0.010%
261	16.862	16.744	16.871	PV	86	4805	0.50%	0.013%
262	16.992	16.871	17.022	PV	297	5134	0.54%	0.014%
263	17.106	17.022	17.158	PV	2782	46560	4.88%	0.126%
264	17.217	17.158	17.227	VV	108	4617	0.48%	0.012%
265	17.556	17.227	17.616	PV	5151	96383	10.09%	0.260%
266	17.650	17.616	17.681	VV	410	8454	0.89%	0.023%
267	17.992	17.681	18.043	PV	9593	114483	11.99%	0.309%
268	18.198	18.043	18.208	PV	162	10031	1.05%	0.027%
269	18.268	18.208	18.291	PV	621	9558	1.00%	0.026%

Sum of corrected areas: 37058071

Aliphatic EPH 100824.M Fri Nov 01 09:05:39 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-2DL		SDG No.:	P4599	
Lab Sample ID:	P4599-02DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.9	
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
FG014600.D	5	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	32.6		1.83	4.07	mg/kg
Aromatic C12-C16	Aromatic C12-C16	256	E	2.07	6.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	479	E	5.85	10.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.8		12.2	16.3	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	16.8		40 - 140	168%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	16.4		40 - 140	164%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	8.53		40 - 140	85%	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:	P4599-02DL	Acq On:	31 Oct 2024 09:58
Client Sample ID:	EX-1-TPH-2DL	Operator:	YP\AJ
Data file:	FG014600.D	Misc:	
Instrument:	FID_G	ALS Vial:	36
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	11185214	80.183	200	ug/ml
Aromatic C12-C16	6.386	9.086	91801935	631.146	300	ug/ml
Aromatic C16-C21	9.087	13.404	170876983	1180	500	ug/ml
Aromatic C21-C36	13.405	18.847	9002164	63.334	800	ug/ml
Aromatic EPH	4.516	18.847	282866296	1950		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	2107534	16.79		ug/ml
2-Flurobiphenyl (SURR)	8.885	8.885	1408143	16.35		ug/ml
ortho-Terphenyl (SURR)	11.957	11.957	1263350	8.53		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014600.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 09:58
Operator : YP\AJ
Sample : P4599-02DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:25:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	2107534	16.788 ug/mlm
Spiked Amount 50.000		Recovery =	33.58%
6) S 2-Flurobiphenyl (SURR)	8.885	1408143	16.348 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	32.70%
11) S ortho-Terphenyl (SURR)	11.957	1263350	8.533 ug/mlm
Spiked Amount 50.000		Recovery =	17.07%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014600.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 09:58
Operator : YP\AJ
Sample : P4599-02DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

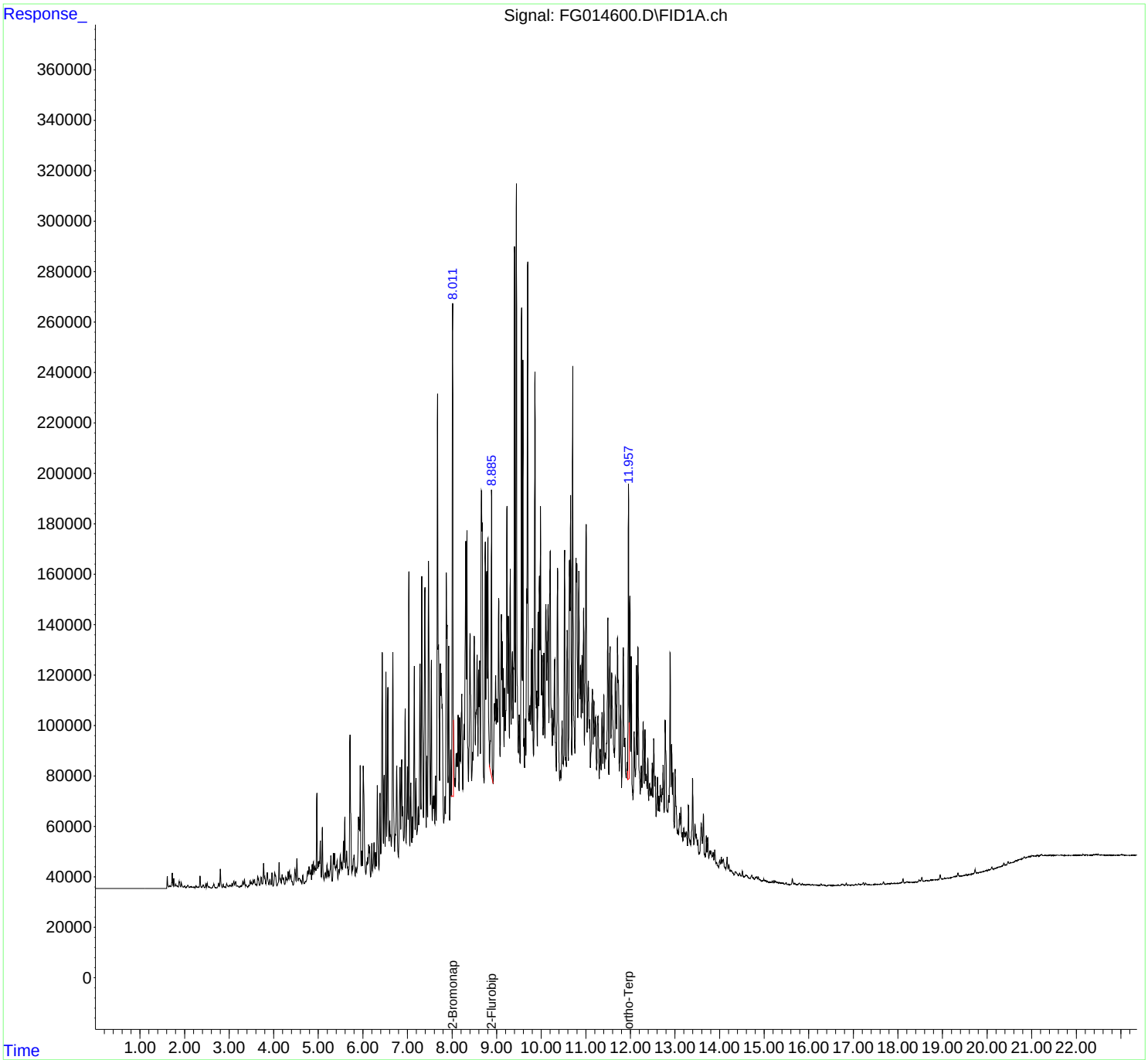
Integration File: autoint1.e
Quant Time: Nov 01 01:25:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

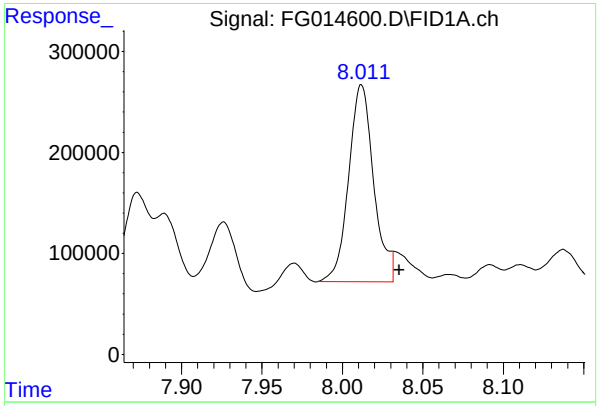
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL

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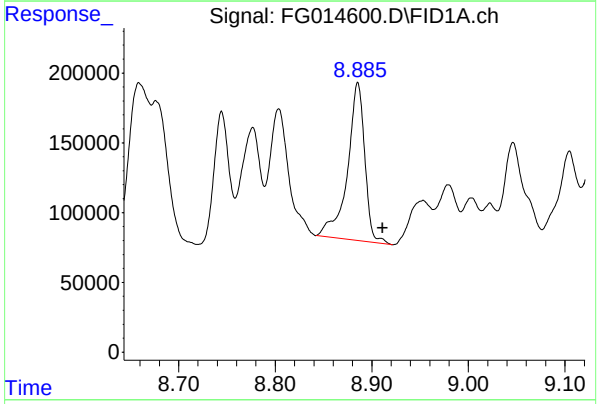
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.024 min
Response: 2107534
Conc: 16.79 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL

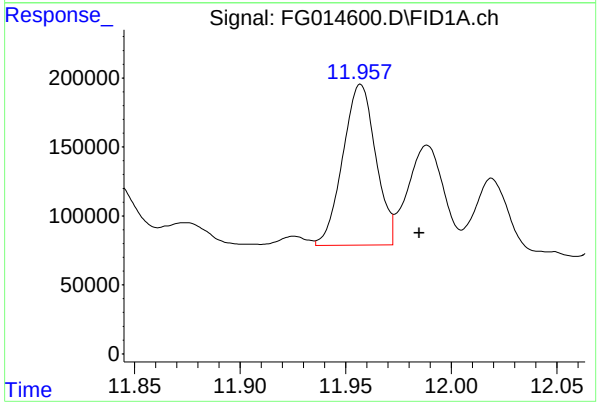
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.885 min
Delta R.T.: -0.026 min
Response: 1408143
Conc: 16.35 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.957 min
Delta R.T.: -0.028 min
Response: 1263350
Conc: 8.53 ug/ml m

Instrument :
FID_G
ClientSampleId :
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Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014600.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 09:58
Sample : P4599-02DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.274	4.251	4.287	BV	2963	36255	0.73%	0.013%
2	4.295	4.287	4.306	VV	2193	23659	0.48%	0.008%
3	4.323	4.306	4.336	VV	5313	64035	1.29%	0.022%
4	4.351	4.336	4.368	VV	5617	75961	1.53%	0.027%
5	4.387	4.368	4.407	VV	3908	71101	1.43%	0.025%
6	4.414	4.407	4.437	VV	1552	14616	0.29%	0.005%
7	4.476	4.437	4.502	PV	6381	118258	2.38%	0.041%
8	4.520	4.502	4.546	VV	10654	141570	2.84%	0.050%
9	4.564	4.546	4.571	VV	2755	36435	0.73%	0.013%
10	4.578	4.571	4.604	VV	2760	45435	0.91%	0.016%
11	4.613	4.604	4.630	VV	1966	22303	0.45%	0.008%
12	4.652	4.630	4.678	VV	3964	59982	1.20%	0.021%
13	4.684	4.678	4.693	VV	850	7329	0.15%	0.003%
14	4.710	4.693	4.721	VV	1611	20966	0.42%	0.007%
15	4.762	4.721	4.778	VV	5686	123973	2.49%	0.043%
16	4.793	4.778	4.815	VV	7404	124217	2.49%	0.044%
17	4.834	4.815	4.849	VV	6097	93874	1.89%	0.033%
18	4.863	4.849	4.875	VV	8297	89636	1.80%	0.031%
19	4.890	4.875	4.909	VV	9324	138768	2.79%	0.049%
20	4.923	4.909	4.934	VV	7681	99954	2.01%	0.035%
21	4.942	4.934	4.949	VV	6957	60893	1.22%	0.021%
22	4.967	4.949	4.987	VV	36485	412464	8.28%	0.144%
23	4.999	4.987	5.011	VV	9450	117701	2.36%	0.041%
24	5.022	5.011	5.030	VV	9650	101314	2.03%	0.035%
25	5.045	5.030	5.070	VV	17642	238573	4.79%	0.084%
26	5.091	5.070	5.130	VV	23030	317950	6.39%	0.111%
27	5.158	5.130	5.177	VV	5011	106005	2.13%	0.037%
28	5.195	5.177	5.213	VV	8203	117794	2.37%	0.041%
29	5.226	5.213	5.241	VV	5812	77269	1.55%	0.027%
30	5.283	5.241	5.312	VV	11743	244839	4.92%	0.086%
31	5.339	5.312	5.351	VV	12788	163469	3.28%	0.057%
32	5.364	5.351	5.391	VV	12802	218311	4.38%	0.076%
33	5.403	5.391	5.411	VV	7696	83175	1.67%	0.029%
34	5.422	5.411	5.439	VV	9926	118305	2.38%	0.041%
35	5.461	5.439	5.475	VV	6200	106822	2.15%	0.037%
36	5.495	5.475	5.511	VV	12157	199104	4.00%	0.070%

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37	5.522	5.511	5.545	VV	9061	153634	3.09%	0.054%
38	5.566	5.545	5.579	VV	17501	234951	4	
39	5.594	5.579	5.612	VV	27074	333170	6	
40	5.637	5.612	5.653	VV	13602	245951	4	
41	5.658	5.653	5.674	VV	7422	75202	1	
42	5.711	5.674	5.752	VV	59627	1029226	20	
43	5.765	5.752	5.774	VV	7656	88447	1.78%	0.031%
44	5.803	5.774	5.827	VV	12028	275036	5.52%	0.096%
45	5.846	5.827	5.861	VV	7101	115893	2.33%	0.041%
46	5.903	5.861	5.913	VV	27170	437618	8.79%	0.153%
47	5.921	5.913	5.929	VV	26253	236808	4.76%	0.083%
48	5.941	5.929	5.961	VV	47561	529751	10.64%	0.186%
49	5.975	5.961	5.990	VV	13739	189016	3.80%	0.066%
50	6.010	5.990	6.068	VV	47279	1005297	20.19%	0.352%
51	6.089	6.068	6.097	VV	9232	123781	2.49%	0.043%
52	6.108	6.097	6.118	VV	11134	122751	2.47%	0.043%
53	6.132	6.118	6.141	VV	16226	187352	3.76%	0.066%
54	6.151	6.141	6.175	VV	15469	194989	3.92%	0.068%
55	6.201	6.175	6.218	VV	16742	238212	4.78%	0.083%
56	6.251	6.218	6.270	VV	17038	327630	6.58%	0.115%
57	6.285	6.270	6.301	VV	13204	183176	3.68%	0.064%
58	6.325	6.301	6.361	VV	39587	677554	13.61%	0.237%
59	6.383	6.361	6.403	VV	36554	491339	9.87%	0.172%
60	6.436	6.403	6.460	VV	92377	1560761	31.35%	0.547%
61	6.475	6.460	6.500	VV	43738	684299	13.74%	0.240%
62	6.518	6.500	6.535	VV	84544	971706	19.52%	0.340%
63	6.560	6.535	6.590	VV	78297	1285799	25.82%	0.450%
64	6.604	6.590	6.617	VV	25594	350559	7.04%	0.123%
65	6.623	6.617	6.638	VV	20186	231244	4.64%	0.081%
66	6.674	6.638	6.712	VV	92119	1766186	35.47%	0.619%
67	6.728	6.712	6.732	VV	20285	217740	4.37%	0.076%
68	6.759	6.732	6.797	VV	47432	1022297	20.53%	0.358%
69	6.835	6.797	6.850	VV	46890	932799	18.73%	0.327%
70	6.871	6.850	6.886	VV	49938	810171	16.27%	0.284%
71	6.896	6.886	6.915	VV	31371	447175	8.98%	0.157%
72	6.949	6.915	6.969	VV	70227	1148393	23.06%	0.402%
73	7.001	6.969	7.015	VV	47139	872860	17.53%	0.306%
74	7.032	7.015	7.054	VV	124172	1422172	28.56%	0.498%
75	7.074	7.054	7.098	VV	40656	745107	14.96%	0.261%
76	7.112	7.098	7.123	VV	27304	333564	6.70%	0.117%
77	7.154	7.123	7.173	VV	86991	1397491	28.07%	0.489%
78	7.192	7.173	7.212	VV	42516	708693	14.23%	0.248%
79	7.241	7.212	7.255	VV	31349	641892	12.89%	0.225%
80	7.282	7.255	7.303	VV	87851	1484009	29.80%	0.520%
81	7.322	7.303	7.360	VV	122442	2224290	44.67%	0.779%
82	7.390	7.360	7.421	VV	117932	2469641	49.60%	0.865%
83	7.437	7.421	7.451	VV	51362	668596	13.43%	0.234%
84	7.473	7.451	7.516	VV	128513	2708371	54.39%	0.949%
85	7.536	7.516	7.557	VV	89242	1329146	26.69%	0.466%
86	7.575	7.557	7.588	VV	35553	585655	11.76%	0.205%
87	7.599	7.588	7.612	VV	35580	452164	9.08%	0.158%
88	7.629	7.612	7.645	VV	43429	666566	13.39%	0.233%
89	7.675	7.645	7.690	VV	194899	2719630	54.62%	0.952%

Instrument :
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90	7.694	7.690	7.721	VV	95072	1381785	27.75%	0.484%
91	7.736	7.721	7.745	VV	87872	1043282	20	
92	7.754	7.745	7.777	VV	84286	1467479	29	
93	7.782	7.777	7.814	VV	72038	1041727	20	
94	7.842	7.814	7.852	VV	35383	687576	13	
95	7.873	7.852	7.884	VV	123764	1564649	31	
96	7.889	7.884	7.908	VV	103381	1125104	22.60%	0.394%
97	7.926	7.908	7.947	VV	94896	1410187	28.32%	0.494%
98	7.970	7.947	7.984	VV	53819	869991	17.47%	0.305%
99	8.012	7.984	8.056	VV	230839	3907475	78.48%	1.368%
100	8.067	8.056	8.077	VV	42620	503005	10.10%	0.176%
101	8.092	8.077	8.101	VV	52438	670600	13.47%	0.235%
102	8.111	8.101	8.121	VV	52334	594628	11.94%	0.208%
103	8.137	8.121	8.156	VV	67511	1159365	23.28%	0.406%
104	8.172	8.156	8.189	VV	66622	1080086	21.69%	0.378%
105	8.219	8.189	8.241	VV	75983	1855117	37.26%	0.650%
106	8.270	8.241	8.279	VV	63608	1247766	25.06%	0.437%
107	8.309	8.279	8.321	VV	136514	2451599	49.24%	0.859%
108	8.334	8.321	8.369	VV	140900	2304365	46.28%	0.807%
109	8.403	8.369	8.441	VV	99956	2868659	57.61%	1.005%
110	8.463	8.441	8.472	VV	52848	893681	17.95%	0.313%
111	8.499	8.472	8.522	VV	98730	2340903	47.01%	0.820%
112	8.539	8.522	8.544	VV	68843	832025	16.71%	0.291%
113	8.563	8.544	8.582	VV	91475	1724185	34.63%	0.604%
114	8.596	8.582	8.606	VV	85505	1044902	20.99%	0.366%
115	8.618	8.606	8.637	VV	89162	1345392	27.02%	0.471%
116	8.659	8.637	8.672	VV	156175	2539430	51.00%	0.889%
117	8.676	8.672	8.720	VV	143730	2337611	46.95%	0.819%
118	8.745	8.720	8.759	VV	136038	1979525	39.76%	0.693%
119	8.777	8.759	8.789	VV	124443	1860801	37.37%	0.652%
120	8.804	8.789	8.842	VV	137870	2737258	54.97%	0.959%
121	8.886	8.842	8.922	VV	156700	3504112	70.37%	1.227%
122	8.953	8.922	8.964	VV	72199	1503738	30.20%	0.527%
123	8.979	8.964	8.993	VV	83394	1261449	25.33%	0.442%
124	9.003	8.993	9.014	VV	73877	889497	17.86%	0.312%
125	9.022	9.014	9.030	VV	70445	648751	13.03%	0.227%
126	9.046	9.030	9.076	VV	113854	2265254	45.49%	0.793%
127	9.105	9.076	9.117	VV	107534	1946876	39.10%	0.682%
128	9.127	9.117	9.141	VV	96730	1198616	24.07%	0.420%
129	9.151	9.141	9.167	VV	86097	1157197	23.24%	0.405%
130	9.180	9.167	9.195	VV	78227	1159606	23.29%	0.406%
131	9.231	9.195	9.250	VV	150476	3114391	62.55%	1.091%
132	9.264	9.250	9.287	VV	106765	1900414	38.17%	0.666%
133	9.306	9.287	9.325	VV	125228	2104721	42.27%	0.737%
134	9.354	9.325	9.368	VV	92933	2094925	42.07%	0.734%
135	9.402	9.368	9.418	VV	252757	3946378	79.26%	1.382%
136	9.442	9.418	9.486	VV	278094	4979258	100.00%	1.744%
137	9.506	9.486	9.525	VV	67678	1373076	27.58%	0.481%
138	9.559	9.525	9.575	VV	228486	3539347	71.08%	1.240%
139	9.590	9.575	9.608	VV	208054	2540723	51.03%	0.890%
140	9.614	9.608	9.626	VV	58344	590232	11.85%	0.207%
141	9.642	9.626	9.655	VV	66106	1020799	20.50%	0.358%

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142	9.675	9.655	9.680	VV	117717	1283774	25.78%	0.450%
143	9.696	9.680	9.717	VV	247213	3396476	68	
144	9.723	9.717	9.729	VV	68091	500462	10	
145	9.742	9.729	9.756	VV	71527	1100543	22	
146	9.777	9.756	9.791	VV	93344	1564537	31	
147	9.805	9.791	9.827	VV	102076	1619574	32	
148	9.859	9.827	9.888	VV	203603	3974415	79.82%	1.392%
149	9.898	9.888	9.913	VV	77252	1022415	20.53%	0.358%
150	9.930	9.913	9.944	VV	108507	1584444	31.82%	0.555%
151	9.959	9.944	9.971	VV	122753	1630780	32.75%	0.571%
152	9.985	9.971	10.005	VV	150221	2300411	46.20%	0.806%
153	10.021	10.005	10.041	VV	91331	1695158	34.04%	0.594%
154	10.059	10.041	10.082	VV	92280	1771540	35.58%	0.620%
155	10.104	10.082	10.128	VV	111519	2486529	49.94%	0.871%
156	10.153	10.128	10.172	VV	111264	2433019	48.86%	0.852%
157	10.201	10.172	10.222	VV	132667	3047496	61.20%	1.067%
158	10.229	10.222	10.248	VV	69614	1001030	20.10%	0.351%
159	10.261	10.248	10.279	VV	69403	1186668	23.83%	0.416%
160	10.301	10.279	10.338	VV	89745	2325116	46.70%	0.814%
161	10.366	10.338	10.415	VV	125700	3361554	67.51%	1.177%
162	10.431	10.415	10.441	VV	45848	691119	13.88%	0.242%
163	10.468	10.441	10.485	VV	65333	1383899	27.79%	0.485%
164	10.489	10.485	10.497	VV	48960	369182	7.41%	0.129%
165	10.524	10.497	10.561	VV	132966	2715631	54.54%	0.951%
166	10.583	10.561	10.608	VV	101125	2068712	41.55%	0.725%
167	10.634	10.608	10.646	VV	129113	2070168	41.58%	0.725%
168	10.660	10.646	10.685	VV	154693	2556056	51.33%	0.895%
169	10.705	10.685	10.755	VV	205782	4048156	81.30%	1.418%
170	10.780	10.755	10.789	VV	129879	1968941	39.54%	0.690%
171	10.799	10.789	10.820	VV	127933	1944524	39.05%	0.681%
172	10.843	10.820	10.867	VV	124787	2647085	53.16%	0.927%
173	10.880	10.867	10.895	VV	87402	1313956	26.39%	0.460%
174	10.916	10.895	10.932	VV	91176	1765116	35.45%	0.618%
175	10.951	10.932	10.968	VV	109804	1856813	37.29%	0.650%
176	11.007	10.968	11.029	VV	143049	3474124	69.77%	1.217%
177	11.057	11.029	11.078	VV	80872	2083312	41.84%	0.730%
178	11.086	11.078	11.102	VV	65808	854878	17.17%	0.299%
179	11.147	11.102	11.163	VV	77899	2274861	45.69%	0.797%
180	11.181	11.163	11.198	VV	73161	1389482	27.91%	0.487%
181	11.218	11.198	11.241	VV	66791	1507829	30.28%	0.528%
182	11.267	11.241	11.302	VV	67147	2051368	41.20%	0.718%
183	11.325	11.302	11.343	VV	54166	1197196	24.04%	0.419%
184	11.363	11.343	11.383	VV	68788	1368602	27.49%	0.479%
185	11.404	11.383	11.422	VV	75549	1450376	29.13%	0.508%
186	11.437	11.422	11.449	VV	52786	826258	16.59%	0.289%
187	11.495	11.449	11.516	VV	106036	2812421	56.48%	0.985%
188	11.543	11.516	11.563	VV	94786	2101333	42.20%	0.736%
189	11.580	11.563	11.629	VV	84425	2671723	53.66%	0.936%
190	11.633	11.629	11.644	VV	53657	489191	9.82%	0.171%
191	11.664	11.644	11.692	VV	82608	1985237	39.87%	0.695%
192	11.710	11.692	11.724	VV	98369	1605203	32.24%	0.562%
193	11.728	11.724	11.753	VV	81630	1163582	23.37%	0.408%
194	11.781	11.753	11.803	VV	71530	1661497	33.37%	0.582%

Instrument :
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EX-1-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	11.840	11.803	11.861	VV	94393	2301486	46.22%	0.806%
196	11.874	11.861	11.910	VV	58634	1459034	29	
197	11.926	11.910	11.935	VV	48849	690913	13	
198	11.957	11.935	11.973	VV	159126	2260509	45	
199	11.989	11.973	12.005	VV	114878	1640844	32	
200	12.019	12.005	12.059	VV	90840	1784357	35	
201	12.083	12.059	12.111	VV	61186	1494006	30.00%	0.523%
202	12.137	12.111	12.153	VV	87353	1603413	32.20%	0.562%
203	12.170	12.153	12.221	VV	94563	2359297	47.38%	0.826%
204	12.242	12.221	12.259	VV	47622	964750	19.38%	0.338%
205	12.287	12.259	12.309	VV	64822	1545131	31.03%	0.541%
206	12.327	12.309	12.345	VV	61996	1095909	22.01%	0.384%
207	12.355	12.345	12.375	VV	44277	737681	14.82%	0.258%
208	12.391	12.375	12.408	VV	50434	848360	17.04%	0.297%
209	12.430	12.408	12.447	VV	40427	874081	17.55%	0.306%
210	12.463	12.447	12.475	VV	38279	630156	12.66%	0.221%
211	12.490	12.475	12.504	VV	48711	733695	14.74%	0.257%
212	12.523	12.504	12.543	VV	58351	1115096	22.39%	0.391%
213	12.553	12.543	12.575	VV	43457	702228	14.10%	0.246%
214	12.607	12.575	12.624	VV	43076	1012705	20.34%	0.355%
215	12.637	12.624	12.652	VV	35630	559581	11.24%	0.196%
216	12.670	12.652	12.697	VV	39774	961373	19.31%	0.337%
217	12.712	12.697	12.719	VV	38372	468483	9.41%	0.164%
218	12.734	12.719	12.757	VV	47796	882723	17.73%	0.309%
219	12.780	12.757	12.826	VV	65704	1819276	36.54%	0.637%
220	12.831	12.826	12.840	VV	29843	250687	5.03%	0.088%
221	12.858	12.840	12.868	VV	35938	552679	11.10%	0.194%
222	12.891	12.868	12.910	VV	92160	1526677	30.66%	0.535%
223	12.925	12.910	12.941	VV	56150	859804	17.27%	0.301%
224	12.953	12.941	12.984	VV	44695	877124	17.62%	0.307%
225	13.004	12.984	13.051	VV	46100	1270379	25.51%	0.445%
226	13.066	13.051	13.081	VV	21809	378362	7.60%	0.133%
227	13.102	13.081	13.116	VV	28836	532154	10.69%	0.186%
228	13.131	13.116	13.152	VV	31169	544326	10.93%	0.191%
229	13.165	13.152	13.177	VV	21129	304159	6.11%	0.107%
230	13.196	13.177	13.214	VV	22968	465460	9.35%	0.163%
231	13.227	13.214	13.238	VV	21005	289443	5.81%	0.101%
232	13.251	13.238	13.279	VV	21318	483857	9.72%	0.169%
233	13.301	13.279	13.329	VV	31837	673894	13.53%	0.236%
234	13.338	13.329	13.354	VV	18139	254180	5.10%	0.089%
235	13.394	13.354	13.420	VV	42648	1008889	20.26%	0.353%
236	13.447	13.420	13.466	VV	24458	567877	11.40%	0.199%
237	13.478	13.466	13.501	VV	20445	387358	7.78%	0.136%
238	13.512	13.501	13.536	VV	18028	321856	6.46%	0.113%
239	13.545	13.536	13.553	VV	13221	130365	2.62%	0.046%
240	13.588	13.553	13.614	VV	24790	701767	14.09%	0.246%
241	13.635	13.614	13.681	VV	28666	715979	14.38%	0.251%
242	13.701	13.681	13.715	VV	19897	310359	6.23%	0.109%
243	13.734	13.715	13.755	VV	19079	372579	7.48%	0.130%
244	13.780	13.755	13.797	VV	13924	315920	6.34%	0.111%
245	13.807	13.797	13.829	VV	13815	244555	4.91%	0.086%
246	13.854	13.829	13.871	VV	13269	303705	6.10%	0.106%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL

rteres

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247	13.890	13.871	13.916	VV	14252	319232	6.41%	0.112%
248	13.930	13.916	13.958	VV	9255	218611		
249	13.964	13.958	13.979	VV	8005	97804		
250	14.001	13.979	14.021	VV	9966	226746		
251	14.039	14.021	14.054	VV	11436	193633		
252	14.082	14.054	14.116	VV	10596	342157		
253	14.124	14.116	14.141	VV	7339	108026	2.17%	0.038%
254	14.167	14.141	14.189	VV	11452	252705	5.08%	0.089%
255	14.208	14.189	14.234	VV	8387	187959	3.77%	0.066%
256	14.245	14.234	14.325	VV	6162	297378	5.97%	0.104%
257	14.350	14.325	14.420	VV	5608	278067	5.58%	0.097%
258	14.453	14.420	14.472	VV	4981	140287	2.82%	0.049%
259	14.479	14.472	14.488	VV	4077	37297	0.75%	0.013%
260	14.511	14.488	14.539	VV	5768	137839	2.77%	0.048%
261	14.547	14.539	14.558	VV	3707	40870	0.82%	0.014%
262	14.586	14.558	14.602	VV	4310	104512	2.10%	0.037%
263	14.606	14.602	14.612	VV	4107	25292	0.51%	0.009%
264	14.616	14.612	14.651	VV	4034	83936	1.69%	0.029%
265	14.662	14.651	14.685	VV	3147	61083	1.23%	0.021%
266	14.724	14.685	14.743	VV	4218	127397	2.56%	0.045%
267	14.753	14.743	14.784	VV	3370	72589	1.46%	0.025%
268	14.806	14.784	14.821	VV	3497	70264	1.41%	0.025%
269	14.834	14.821	14.855	VV	3690	65982	1.33%	0.023%
270	14.868	14.855	14.888	VV	3605	60645	1.22%	0.021%
271	14.899	14.888	14.948	VV	2612	79824	1.60%	0.028%
272	14.961	14.948	14.966	VV	2071	21385	0.43%	0.007%
273	14.994	14.966	15.015	VV	2540	65564	1.32%	0.023%
274	15.027	15.015	15.055	VV	2174	46543	0.93%	0.016%
275	15.065	15.055	15.086	VV	2037	33198	0.67%	0.012%
276	15.099	15.086	15.120	VV	1596	29621	0.59%	0.010%
277	15.142	15.120	15.160	VV	1449	32819	0.66%	0.011%
278	15.180	15.160	15.200	VV	2004	37828	0.76%	0.013%
279	15.219	15.200	15.235	VV	2222	36293	0.73%	0.013%
280	15.252	15.235	15.279	VV	1873	40802	0.82%	0.014%
281	15.297	15.279	15.319	VV	1473	30152	0.61%	0.011%
282	15.338	15.319	15.363	VV	1376	31324	0.63%	0.011%
283	15.368	15.363	15.378	VV	1107	9525	0.19%	0.003%
284	15.383	15.378	15.411	VV	1155	21296	0.43%	0.007%
285	15.423	15.411	15.449	VV	1198	22747	0.46%	0.008%
286	15.457	15.449	15.461	VV	763	4911	0.10%	0.002%
287	15.466	15.461	15.470	VV	774	4504	0.09%	0.002%
288	15.491	15.470	15.514	VV	1174	23581	0.47%	0.008%
289	15.520	15.514	15.527	VV	582	4443	0.09%	0.002%
290	15.544	15.527	15.576	VV	705	17108	0.34%	0.006%
291	15.587	15.576	15.600	VV	600	7790	0.16%	0.003%
292	15.630	15.600	15.667	VV	2845	59425	1.19%	0.021%
293	15.672	15.667	15.681	VV	969	7299	0.15%	0.003%
294	15.692	15.681	15.716	VV	875	14604	0.29%	0.005%
295	15.731	15.716	15.736	VV	537	6168	0.12%	0.002%
296	15.744	15.736	15.754	VV	553	5337	0.11%	0.002%
297	15.790	15.754	15.832	VV	1116	35881	0.72%	0.013%
298	15.856	15.832	15.875	VV	907	15240	0.31%	0.005%
299	15.888	15.875	15.895	VV	581	5596	0.11%	0.002%

Instrument :
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EX-1-TPH-2DL

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rteres

300	15.897	15.895	15.908	VV	574	3803	0.08%	0.001%
301	15.914	15.908	15.921	VV	465	3263		
302	15.931	15.921	15.943	VV	425	5106		
303	15.990	15.943	16.013	VV	694	22625		
304	16.022	16.013	16.042	VV	652	8683		
305	16.053	16.042	16.066	VV	415	5115		
306	16.089	16.066	16.114	VV	546	11807	0.24%	0.004%
307	16.134	16.114	16.163	VV	481	11295	0.23%	0.004%
308	16.180	16.163	16.203	VV	339	6899	0.14%	0.002%
309	16.230	16.203	16.253	VV	343	7199	0.14%	0.003%
310	16.274	16.253	16.308	VV	840	15673	0.31%	0.005%
311	16.330	16.308	16.358	VV	472	9305	0.19%	0.003%
312	16.367	16.358	16.396	VV	235	2916	0.06%	0.001%
313	16.452	16.403	16.474	VV	359	8217	0.17%	0.003%
314	16.488	16.474	16.522	VV	228	4124	0.08%	0.001%
315	16.530	16.522	16.548	VV	168	1719	0.03%	0.001%
316	16.564	16.548	16.581	VV	200	2565	0.05%	0.001%
317	16.602	16.595	16.612	VV	256	1811	0.04%	0.001%
318	16.652	16.622	16.690	VV	390	7860	0.16%	0.003%
319	16.737	16.690	16.748	PV	557	8423	0.17%	0.003%
320	16.761	16.748	16.790	VV	659	9596	0.19%	0.003%
321	16.810	16.790	16.815	VV	215	2621	0.05%	0.001%
322	16.840	16.815	16.877	VV	973	14829	0.30%	0.005%
323	16.893	16.877	16.916	VV	285	4603	0.09%	0.002%
324	16.923	16.916	16.929	VV	192	1207	0.02%	0.000%
325	16.950	16.939	16.959	VV	184	1594	0.03%	0.001%
326	16.968	16.959	16.975	VV	222	1855	0.04%	0.001%
327	16.980	16.975	17.010	VV	192	3138	0.06%	0.001%
328	17.058	17.018	17.080	VV	362	7611	0.15%	0.003%
329	17.118	17.080	17.163	VV	524	13031	0.26%	0.005%
330	17.186	17.163	17.205	VV	379	7216	0.14%	0.003%
331	17.226	17.205	17.255	VV	1047	17397	0.35%	0.006%
332	17.276	17.255	17.303	VV	732	11570	0.23%	0.004%
333	17.324	17.316	17.340	VV	171	1808	0.04%	0.001%
334	17.347	17.340	17.380	VV	162	2312	0.05%	0.001%
335	17.472	17.435	17.476	VV	149	1326	0.03%	0.000%
336	17.506	17.487	17.512	VV	176	1866	0.04%	0.001%
337	17.547	17.538	17.558	VV	156	1388	0.03%	0.000%
338	17.563	17.558	17.590	VV	110	1878	0.04%	0.001%
339	17.607	17.590	17.629	VV	179	2691	0.05%	0.001%
340	17.675	17.629	17.696	VV	1020	16158	0.32%	0.006%
341	17.702	17.696	17.729	VV	110	1499	0.03%	0.001%
342	17.782	17.740	17.804	PV	259	5591	0.11%	0.002%
343	17.851	17.829	17.881	VV	216	3934	0.08%	0.001%
344	17.895	17.881	17.930	VV	172	2872	0.06%	0.001%
345	17.957	17.930	17.990	VV	128	3178	0.06%	0.001%
346	18.113	18.012	18.145	VV	1650	29177	0.59%	0.010%
347	18.166	18.145	18.175	VV	109	1359	0.03%	0.000%
348	18.204	18.175	18.231	VV	447	7012	0.14%	0.002%

Sum of corrected areas: 285530683

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-2DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-02DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.9	
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
FG014601.D	25	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	33.1		9.15	20.3	mg/kg
Aromatic C12-C16	Aromatic C12-C16	272		10.4	30.5	mg/kg
Aromatic C16-C21	Aromatic C16-C21	546		29.3	50.8	mg/kg
Aromatic C21-C36	Aromatic C21-C36	61.0	U	61.0	81.3	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	4.30		40 - 140	215%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	4.28		40 - 140	214%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.28		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:	P4599-02DL2	Acq On:	31 Oct 2024 10:26
Client Sample ID:	EX-1-TPH-2DL2	Operator:	YP\AJ
Data file:	FG014601.D	Misc:	
Instrument:	FID_G	ALS Vial:	37
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	2269353	16.268	200	ug/ml
Aromatic C12-C16	6.386	9.086	19466372	133.833	300	ug/ml
Aromatic C16-C21	9.087	13.404	38915015	268.699	500	ug/ml
Aromatic C21-C36	13.405	18.847	852745	5.999	800	ug/ml
Aromatic EPH	4.516	18.847	61503485	424.8		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	539193	4.3		ug/ml
2-Flurobiphenyl (SURR)	8.884	8.884	368274	4.28		ug/ml
ortho-Terphenyl (SURR)	11.955	11.955	337512	2.28		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014601.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 10:26
Operator : YP\AJ
Sample : P4599-02DL2 25X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.011	539193	4.295 ug/mlm
Spiked Amount 50.000		Recovery =	8.59%
6) S 2-Flurobiphenyl (SURR)	8.884	368274	4.276 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	8.55%
11) S ortho-Terphenyl (SURR)	11.955	337512	2.280 ug/mlm
Spiked Amount 50.000		Recovery =	4.56%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014601.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 10:26
Operator : YP\AJ
Sample : P4599-02DL2 25X
Misc :
ALS Vial : 37 Sample Multiplier: 1

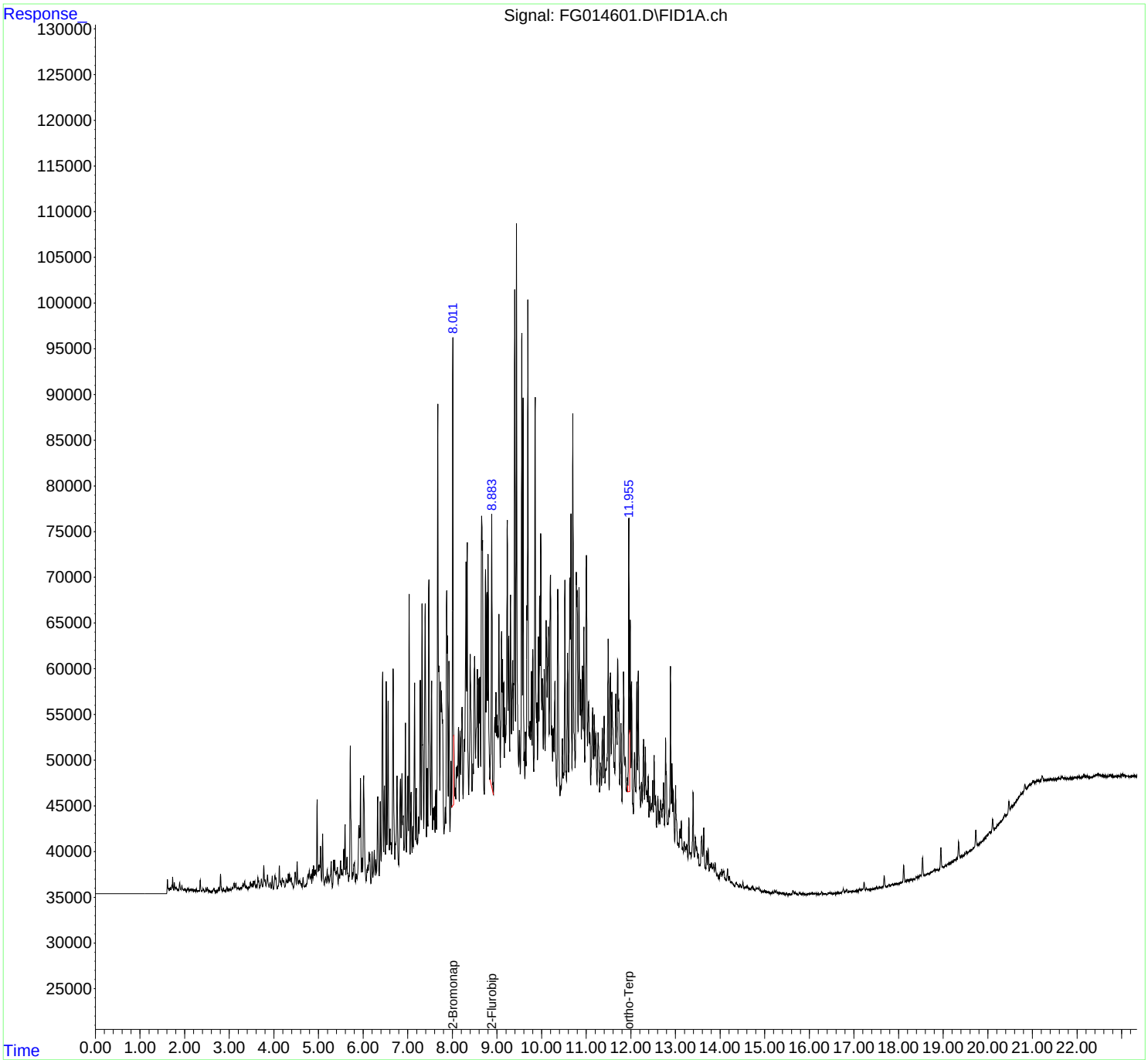
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL2

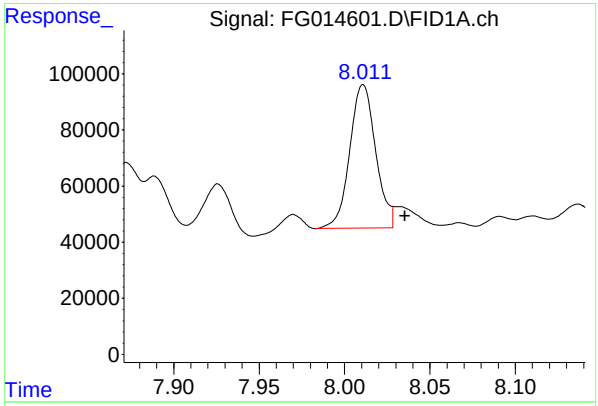
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





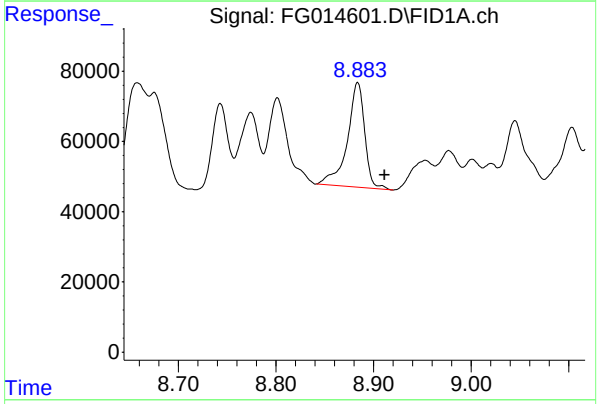
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.025 min
Response: 539193
Conc: 4.30 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL2

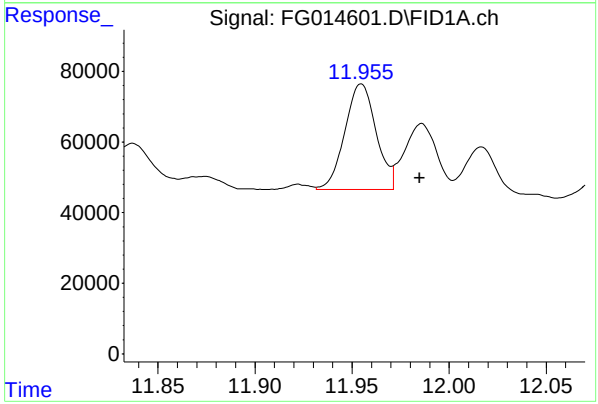
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.884 min
Delta R.T.: -0.028 min
Response: 368274
Conc: 4.28 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.955 min
Delta R.T.: -0.030 min
Response: 337512
Conc: 2.28 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014601.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 10:26
Sample : P4599-02DL2 25X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.290	BV	828	10663	0.85%	0.017%
2	4.295	4.290	4.309	VV	604	6267	0.50%	0.010%
3	4.323	4.309	4.337	VV	1466	16866	1.34%	0.026%
4	4.352	4.337	4.368	VV	1438	19384	1.54%	0.030%
5	4.388	4.368	4.412	VV	1034	19969	1.59%	0.031%
6	4.416	4.412	4.439	VV	416	3068	0.24%	0.005%
7	4.477	4.439	4.503	PV	1719	30714	2.45%	0.048%
8	4.522	4.503	4.547	VV	2846	36635	2.92%	0.057%
9	4.564	4.547	4.574	VV	737	10066	0.80%	0.016%
10	4.577	4.574	4.606	VV	745	11203	0.89%	0.018%
11	4.615	4.606	4.631	VV	436	4363	0.35%	0.007%
12	4.655	4.631	4.691	VV	1079	14914	1.19%	0.023%
13	4.710	4.691	4.721	VV	314	3548	0.28%	0.006%
14	4.764	4.721	4.779	VV	1413	28096	2.24%	0.044%
15	4.794	4.779	4.819	VV	1844	32039	2.55%	0.050%
16	4.836	4.819	4.849	VV	1411	19642	1.56%	0.031%
17	4.864	4.849	4.877	VV	1984	21449	1.71%	0.034%
18	4.890	4.877	4.909	VV	2370	33354	2.66%	0.052%
19	4.923	4.909	4.937	VV	1881	27303	2.17%	0.043%
20	4.943	4.937	4.951	VV	1741	13169	1.05%	0.021%
21	4.968	4.951	4.988	VV	9589	107437	8.56%	0.168%
22	5.000	4.988	5.012	VV	2355	29250	2.33%	0.046%
23	5.023	5.012	5.030	VV	2435	23827	1.90%	0.037%
24	5.046	5.030	5.070	VV	4491	60196	4.79%	0.094%
25	5.092	5.070	5.130	VV	5829	76144	6.06%	0.119%
26	5.159	5.130	5.177	VV	1116	20346	1.62%	0.032%
27	5.195	5.177	5.213	VV	1912	24872	1.98%	0.039%
28	5.227	5.213	5.247	VV	1191	16932	1.35%	0.026%
29	5.284	5.247	5.311	VV	2789	47686	3.80%	0.075%
30	5.340	5.311	5.352	PV	2943	34879	2.78%	0.055%
31	5.365	5.352	5.392	VV	2946	46910	3.74%	0.073%
32	5.402	5.392	5.411	VV	1657	17698	1.41%	0.028%
33	5.423	5.411	5.440	VV	2106	23500	1.87%	0.037%
34	5.460	5.440	5.476	VV	1210	19373	1.54%	0.030%
35	5.495	5.476	5.512	VV	2809	41758	3.33%	0.065%
36	5.523	5.512	5.547	VV	1791	30089	2.40%	0.047%

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37	5.567	5.547	5.580	VV	4043	51159	4.07%	0.080%
38	5.595	5.580	5.613	VV	6695	76799	6	
39	5.638	5.613	5.655	VV	3141	51702	4	
40	5.660	5.655	5.675	VV	1374	11355	0	
41	5.713	5.675	5.753	VV	15254	243427	19	
42	5.767	5.753	5.775	VV	1342	14621	1	
43	5.806	5.775	5.827	VV	2440	51179	4.08%	0.080%
44	5.846	5.827	5.860	VV	1205	16456	1.31%	0.026%
45	5.904	5.860	5.913	VV	6484	94056	7.49%	0.147%
46	5.922	5.913	5.930	VV	6150	55236	4.40%	0.086%
47	5.942	5.930	5.962	VV	11613	127444	10.15%	0.199%
48	5.977	5.962	5.991	VV	2900	36844	2.93%	0.058%
49	6.010	5.991	6.069	VV	11866	229344	18.26%	0.359%
50	6.088	6.069	6.097	VV	1611	17868	1.42%	0.028%
51	6.109	6.097	6.118	VV	2091	21581	1.72%	0.034%
52	6.132	6.118	6.142	VV	3487	38324	3.05%	0.060%
53	6.151	6.142	6.174	VV	3279	33870	2.70%	0.053%
54	6.285	6.270	6.302	PV	1697	15774	1.26%	0.025%
55	6.326	6.302	6.362	VV	8649	116402	9.27%	0.182%
56	6.384	6.362	6.403	PV	8164	89234	7.11%	0.140%
57	6.437	6.403	6.461	VV	22321	357943	28.50%	0.560%
58	6.476	6.461	6.500	VV	9878	141110	11.24%	0.221%
59	6.519	6.500	6.535	VV	21263	221331	17.62%	0.346%
60	6.560	6.535	6.590	VV	19125	283758	22.60%	0.444%
61	6.604	6.590	6.617	VV	5133	65567	5.22%	0.103%
62	6.623	6.617	6.637	VV	3678	38187	3.04%	0.060%
63	6.674	6.637	6.712	VV	22629	390618	31.10%	0.611%
64	6.727	6.712	6.734	VV	3536	38967	3.10%	0.061%
65	6.761	6.734	6.798	VV	10935	197920	15.76%	0.310%
66	6.836	6.798	6.851	VV	10572	190957	15.21%	0.299%
67	6.872	6.851	6.887	VV	11210	174999	13.93%	0.274%
68	6.896	6.887	6.915	VV	6584	84421	6.72%	0.132%
69	6.949	6.915	6.969	VV	16723	246583	19.64%	0.386%
70	7.001	6.969	7.015	VV	10889	180182	14.35%	0.282%
71	7.032	7.015	7.054	VV	30741	333860	26.58%	0.522%
72	7.074	7.054	7.098	VV	9128	147472	11.74%	0.231%
73	7.112	7.098	7.123	VV	5402	58764	4.68%	0.092%
74	7.154	7.123	7.173	VV	21074	312871	24.91%	0.489%
75	7.192	7.173	7.212	VV	9550	144128	11.48%	0.225%
76	7.242	7.212	7.255	VV	6444	122669	9.77%	0.192%
77	7.281	7.255	7.302	VV	21340	340936	27.15%	0.533%
78	7.322	7.302	7.360	VV	29685	527327	41.99%	0.825%
79	7.391	7.360	7.421	VV	29730	585938	46.66%	0.917%
80	7.437	7.421	7.451	VV	11694	143549	11.43%	0.225%
81	7.473	7.451	7.516	VV	32338	645183	51.37%	1.009%
82	7.536	7.516	7.557	VV	21232	307083	24.45%	0.480%
83	7.576	7.557	7.587	VV	7367	116262	9.26%	0.182%
84	7.598	7.587	7.612	VV	7535	94143	7.50%	0.147%
85	7.628	7.612	7.645	VV	9304	137944	10.98%	0.216%
86	7.674	7.645	7.691	VV	51509	686358	54.65%	1.074%
87	7.697	7.691	7.720	VV	22894	312611	24.89%	0.489%
88	7.736	7.720	7.745	VV	21123	241220	19.21%	0.377%
89	7.754	7.745	7.777	VV	20197	359488	28.63%	0.562%

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90	7.781	7.777	7.814	VV	17016	232551	18.52%	0.364%
91	7.841	7.814	7.853	VV	7376	137634	10	
92	7.872	7.853	7.883	VV	31083	369542	29	
93	7.888	7.883	7.908	VV	26205	277088	22	
94	7.926	7.908	7.947	VV	23389	326743	26	
95	7.970	7.947	7.983	VV	12471	184980	14	
96	8.011	7.983	8.057	VV	58761	954874	76.03%	1.494%
97	8.067	8.057	8.077	VV	9518	105284	8.38%	0.165%
98	8.091	8.077	8.100	VV	11769	146097	11.63%	0.229%
99	8.110	8.100	8.120	VV	11957	133200	10.61%	0.208%
100	8.137	8.120	8.155	VV	16161	269243	21.44%	0.421%
101	8.172	8.155	8.187	VV	15736	240433	19.15%	0.376%
102	8.218	8.187	8.241	VV	18370	442565	35.24%	0.692%
103	8.269	8.241	8.279	VV	14857	279599	22.26%	0.437%
104	8.308	8.279	8.320	VV	34304	595889	47.45%	0.932%
105	8.332	8.320	8.367	VV	36280	551176	43.89%	0.862%
106	8.401	8.367	8.444	VV	24123	701016	55.82%	1.097%
107	8.463	8.444	8.471	VV	12144	175928	14.01%	0.275%
108	8.499	8.471	8.521	VV	23876	557714	44.41%	0.872%
109	8.562	8.521	8.581	VV	22477	602614	47.99%	0.943%
110	8.595	8.581	8.604	VV	21383	243875	19.42%	0.381%
111	8.616	8.604	8.635	VV	21620	323999	25.80%	0.507%
112	8.658	8.635	8.670	VV	39201	630342	50.19%	0.986%
113	8.675	8.670	8.718	VV	36584	554826	44.18%	0.868%
114	8.743	8.718	8.757	VV	33353	484652	38.59%	0.758%
115	8.774	8.757	8.787	VV	30858	446930	35.59%	0.699%
116	8.801	8.787	8.841	VV	35011	669894	53.34%	1.048%
117	8.884	8.841	8.920	VV	39380	820559	65.34%	1.284%
118	8.953	8.920	8.963	VV	17178	354899	28.26%	0.555%
119	8.977	8.963	8.992	VV	19924	298028	23.73%	0.466%
120	9.001	8.992	9.012	VV	17414	200972	16.00%	0.314%
121	9.021	9.012	9.028	VV	16278	148123	11.79%	0.232%
122	9.045	9.028	9.075	VV	28487	550187	43.81%	0.861%
123	9.103	9.075	9.115	VV	26576	461404	36.74%	0.722%
124	9.124	9.115	9.139	VV	23487	291014	23.17%	0.455%
125	9.151	9.139	9.165	VV	20968	272017	21.66%	0.426%
126	9.178	9.165	9.194	VV	18236	274780	21.88%	0.430%
127	9.230	9.194	9.248	VV	38747	761831	60.66%	1.192%
128	9.263	9.248	9.285	VV	26074	448748	35.73%	0.702%
129	9.304	9.285	9.324	VV	30543	520221	41.42%	0.814%
130	9.351	9.324	9.365	VV	23401	487587	38.83%	0.763%
131	9.398	9.365	9.415	VV	63934	978146	77.89%	1.530%
132	9.439	9.415	9.487	VV	71190	1255836	100.00%	1.964%
133	9.505	9.487	9.522	VV	15773	287527	22.90%	0.450%
134	9.556	9.522	9.572	VV	59158	869866	69.27%	1.361%
135	9.586	9.572	9.605	VV	51952	633648	50.46%	0.991%
136	9.612	9.605	9.624	VV	13371	140019	11.15%	0.219%
137	9.638	9.624	9.653	VV	15531	229803	18.30%	0.359%
138	9.672	9.653	9.677	VV	29219	303395	24.16%	0.475%
139	9.693	9.677	9.728	VV	62658	979188	77.97%	1.532%
140	9.741	9.728	9.753	VV	16717	240082	19.12%	0.376%
141	9.773	9.753	9.788	VV	22177	366617	29.19%	0.573%

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142	9.802	9.788	9.824	VV	24536	381170	30.35%	0.596%
143	9.856	9.824	9.885	VV	52077	969803	77	
144	9.896	9.885	9.910	VV	18749	242900	19	
145	9.928	9.910	9.941	VV	25933	378087	30	
146	9.957	9.941	9.968	VV	30359	395932	31	
147	9.983	9.968	10.004	VV	37208	577947	46	
148	10.017	10.004	10.040	VV	21374	389707	31.03%	0.610%
149	10.057	10.040	10.079	VV	22374	409008	32.57%	0.640%
150	10.103	10.079	10.126	VV	27754	602696	47.99%	0.943%
151	10.151	10.126	10.169	VV	27019	577418	45.98%	0.903%
152	10.198	10.169	10.220	VV	32679	738595	58.81%	1.155%
153	10.227	10.220	10.245	VV	16194	225906	17.99%	0.353%
154	10.259	10.245	10.277	VV	15876	275577	21.94%	0.431%
155	10.299	10.277	10.336	VV	21034	532440	42.40%	0.833%
156	10.364	10.336	10.415	VV	31089	795640	63.36%	1.245%
157	10.427	10.415	10.437	VV	9571	124645	9.93%	0.195%
158	10.466	10.437	10.482	VV	14744	315943	25.16%	0.494%
159	10.491	10.482	10.499	VV	10977	108704	8.66%	0.170%
160	10.522	10.499	10.558	VV	32096	603734	48.07%	0.944%
161	10.581	10.558	10.606	VV	24074	483494	38.50%	0.756%
162	10.632	10.606	10.643	VV	32347	496317	39.52%	0.776%
163	10.657	10.643	10.681	VV	39300	609789	48.56%	0.954%
164	10.700	10.681	10.752	VV	50201	981087	78.12%	1.535%
165	10.777	10.752	10.786	VV	32908	477478	38.02%	0.747%
166	10.796	10.786	10.818	VV	30842	469632	37.40%	0.735%
167	10.840	10.818	10.863	VV	31263	607667	48.39%	0.951%
168	10.877	10.863	10.892	VV	21218	330636	26.33%	0.517%
169	10.914	10.892	10.930	VV	22701	421955	33.60%	0.660%
170	10.947	10.930	10.966	VV	26944	431897	34.39%	0.676%
171	11.005	10.966	11.028	VV	34807	838508	66.77%	1.312%
172	11.053	11.028	11.074	VV	18783	457009	36.39%	0.715%
173	11.082	11.074	11.100	VV	15416	209526	16.68%	0.328%
174	11.144	11.100	11.161	VV	18108	515393	41.04%	0.806%
175	11.180	11.161	11.194	VV	17352	299118	23.82%	0.468%
176	11.216	11.194	11.242	VV	15283	368449	29.34%	0.576%
177	11.266	11.242	11.300	VV	15389	436236	34.74%	0.682%
178	11.322	11.300	11.342	VV	12051	265343	21.13%	0.415%
179	11.361	11.342	11.380	VV	15801	294705	23.47%	0.461%
180	11.402	11.380	11.421	VV	17137	328002	26.12%	0.513%
181	11.436	11.421	11.447	VV	11389	174591	13.90%	0.273%
182	11.462	11.447	11.467	VV	12575	145089	11.55%	0.227%
183	11.493	11.467	11.513	VV	25610	495471	39.45%	0.775%
184	11.542	11.513	11.560	VV	21909	483103	38.47%	0.756%
185	11.577	11.560	11.626	VV	19712	611404	48.69%	0.956%
186	11.630	11.626	11.642	VV	11790	110612	8.81%	0.173%
187	11.661	11.642	11.689	VV	19579	451151	35.92%	0.706%
188	11.705	11.689	11.719	VV	23235	342284	27.26%	0.535%
189	11.727	11.719	11.750	VV	18827	294776	23.47%	0.461%
190	11.778	11.750	11.800	VV	16304	363501	28.94%	0.569%
191	11.837	11.800	11.861	VV	21975	530360	42.23%	0.830%
192	11.874	11.861	11.906	VV	12573	288663	22.99%	0.452%
193	11.922	11.906	11.932	VV	10413	149919	11.94%	0.235%
194	11.955	11.932	11.971	VV	38858	541362	43.11%	0.847%

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195	11.986	11.971	12.002	VV	27602	382116	30.43%	0.598%
196	12.017	12.002	12.056	VV	20928	384674	30	
197	12.082	12.056	12.110	VV	13137	324403	25	
198	12.134	12.110	12.151	VV	20822	352991	28	
199	12.167	12.151	12.218	VV	22066	514420	40	
200	12.239	12.218	12.256	VV	9880	194620	15	
201	12.285	12.256	12.307	VV	14560	334164	26.61%	0.523%
202	12.325	12.307	12.343	VV	13687	233079	18.56%	0.365%
203	12.355	12.343	12.370	VV	8872	136258	10.85%	0.213%
204	12.388	12.370	12.405	VV	10499	177029	14.10%	0.277%
205	12.425	12.405	12.443	VV	8285	167604	13.35%	0.262%
206	12.462	12.443	12.471	VV	7511	123387	9.83%	0.193%
207	12.487	12.471	12.503	VV	10040	155374	12.37%	0.243%
208	12.521	12.503	12.542	VV	12745	230796	18.38%	0.361%
209	12.553	12.542	12.574	VV	8378	133308	10.62%	0.209%
210	12.604	12.574	12.623	VV	8353	192004	15.29%	0.300%
211	12.636	12.623	12.651	VV	6639	101779	8.10%	0.159%
212	12.668	12.651	12.697	VV	7876	189507	15.09%	0.296%
213	12.709	12.697	12.716	VV	7479	79405	6.32%	0.124%
214	12.733	12.716	12.754	VV	9815	173273	13.80%	0.271%
215	12.777	12.754	12.819	VV	14694	356280	28.37%	0.557%
216	12.824	12.819	12.831	VV	5307	38109	3.03%	0.060%
217	12.854	12.831	12.865	VV	6760	121294	9.66%	0.190%
218	12.888	12.865	12.906	VV	22473	329586	26.24%	0.516%
219	12.922	12.906	12.938	VV	11893	179822	14.32%	0.281%
220	12.950	12.938	12.983	VV	8915	166200	13.23%	0.260%
221	13.002	12.983	13.051	VV	9464	227675	18.13%	0.356%
222	13.061	13.051	13.079	VV	3132	47860	3.81%	0.075%
223	13.099	13.079	13.114	VV	4725	81420	6.48%	0.127%
224	13.131	13.114	13.152	VV	5558	93501	7.45%	0.146%
225	13.160	13.152	13.177	VV	2638	36117	2.88%	0.056%
226	13.197	13.177	13.215	VV	3293	65646	5.23%	0.103%
227	13.225	13.215	13.239	VV	2703	35885	2.86%	0.056%
228	13.250	13.239	13.279	VV	3005	57434	4.57%	0.090%
229	13.300	13.279	13.334	VV	5921	103252	8.22%	0.162%
230	13.336	13.334	13.350	VV	2124	18412	1.47%	0.029%
231	13.394	13.350	13.425	VV	8681	165585	13.19%	0.259%
232	13.444	13.425	13.465	VV	3804	68722	5.47%	0.108%
233	13.475	13.465	13.499	VV	2703	44384	3.53%	0.069%
234	13.510	13.499	13.532	VV	1963	26489	2.11%	0.041%
235	13.545	13.532	13.551	VV	760	7835	0.62%	0.012%
236	13.585	13.551	13.614	VV	3867	88560	7.05%	0.139%
237	13.634	13.614	13.681	VV	4771	75619	6.02%	0.118%
238	13.699	13.681	13.714	VV	2271	26672	2.12%	0.042%
239	13.732	13.714	13.754	VV	2462	31763	2.53%	0.050%
240	13.775	13.754	13.790	VV	830	10261	0.82%	0.016%
241	13.806	13.790	13.827	VV	945	13485	1.07%	0.021%
242	13.832	13.827	13.837	VV	371	1998	0.16%	0.003%
243	13.853	13.837	13.871	VV	771	9479	0.75%	0.015%
244	13.888	13.871	13.900	PBA	718	6111	0.49%	0.010%
245	13.935	13.910	13.955	BV	152	1500	0.12%	0.002%
246	13.965	13.955	13.979	PV	215	1773	0.14%	0.003%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

				rteres			
247	14.003	13.979	14.021	PV	815	12839	1.02% 0.020%
248	14.036	14.021	14.057	VV	1231	17191	1
249	14.069	14.057	14.074	VV	1026	8790	0
250	14.083	14.074	14.137	VV	1133	22799	1
251	14.166	14.137	14.189	VV	1571	25432	2
252	14.206	14.189	14.235	VV	837	14241	1
253	14.239	14.235	14.244	VV	327	1478	0.12% 0.002%
254	14.256	14.244	14.328	VV	397	11509	0.92% 0.018%
255	14.354	14.328	14.381	PV	464	10497	0.84% 0.016%
256	14.388	14.381	14.429	VV	337	5954	0.47% 0.009%
257	14.456	14.429	14.472	VV	389	6411	0.51% 0.010%
258	14.476	14.472	14.489	VV	171	1356	0.11% 0.002%
259	14.510	14.489	14.536	VV	688	9877	0.79% 0.015%
260	14.587	14.560	14.596	VV	353	4875	0.39% 0.008%
261	14.611	14.596	14.658	VV	329	7026	0.56% 0.011%
262	14.719	14.686	14.745	VV	445	9367	0.75% 0.015%
263	14.754	14.745	14.778	VV	256	2547	0.20% 0.004%
264	14.812	14.787	14.822	VV	363	5183	0.41% 0.008%
265	14.836	14.822	14.852	VV	404	5783	0.46% 0.009%
266	14.872	14.852	14.891	VV	507	7520	0.60% 0.012%
267	14.897	14.891	14.926	VV	196	2951	0.23% 0.005%
268	14.969	14.944	14.974	PV	115	1149	0.09% 0.002%
269	14.990	14.974	15.014	VV	239	3986	0.32% 0.006%
270	15.030	15.014	15.050	VV	228	3165	0.25% 0.005%
271	15.069	15.061	15.089	VV	132	2227	0.18% 0.003%
272	15.093	15.089	15.119	VV	206	1741	0.14% 0.003%
273	15.181	15.160	15.202	VV	305	3700	0.29% 0.006%
274	15.219	15.202	15.239	VV	387	5473	0.44% 0.009%
275	15.256	15.239	15.285	VV	372	6100	0.49% 0.010%
276	15.294	15.285	15.322	VV	237	3116	0.25% 0.005%
277	15.343	15.322	15.353	VV	219	2478	0.20% 0.004%
278	15.364	15.353	15.380	VV	130	1724	0.14% 0.003%
279	15.392	15.380	15.421	VV	159	2974	0.24% 0.005%
280	15.426	15.421	15.451	VV	165	1564	0.12% 0.002%
281	15.487	15.463	15.507	VV	219	2963	0.24% 0.005%
282	15.542	15.517	15.564	PV	114	1513	0.12% 0.002%
283	15.631	15.607	15.662	VV	483	9493	0.76% 0.015%
284	15.683	15.662	15.717	VV	321	6277	0.50% 0.010%
285	15.780	15.753	15.811	VV	272	5920	0.47% 0.009%
286	15.817	15.811	15.836	VV	124	1154	0.09% 0.002%
287	15.854	15.836	15.881	VV	235	2684	0.21% 0.004%
288	15.892	15.881	15.923	VV	141	2047	0.16% 0.003%
289	15.939	15.923	15.950	PV	100	1017	0.08% 0.002%
290	15.969	15.950	15.979	VV	117	1488	0.12% 0.002%
291	15.990	15.979	15.995	VV	157	1318	0.10% 0.002%
292	16.000	15.995	16.009	VV	157	1157	0.09% 0.002%
293	16.018	16.009	16.028	VV	136	1283	0.10% 0.002%
294	16.042	16.028	16.047	VV	140	1376	0.11% 0.002%
295	16.056	16.047	16.061	VV	202	1465	0.12% 0.002%
296	16.074	16.070	16.101	VV	174	2817	0.22% 0.004%
297	16.106	16.101	16.117	VV	157	1258	0.10% 0.002%
298	16.137	16.117	16.169	VV	166	3757	0.30% 0.006%
299	16.176	16.169	16.187	VV	127	1114	0.09% 0.002%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.208	16.198	16.224	VV	129	1365	0.11%	0.002%
301	16.275	16.224	16.298	VV	381	7665		
302	16.337	16.312	16.355	VV	171	2971		
303	16.367	16.355	16.390	VV	146	1973		
304	16.424	16.390	16.435	PV	161	2720		
305	16.465	16.435	16.478	VV	221	4177		
306	16.495	16.478	16.502	VV	151	1461	0.12%	0.002%
307	16.567	16.559	16.595	VV	102	1336	0.11%	0.002%
308	16.657	16.620	16.666	VV	172	2502	0.20%	0.004%
309	16.758	16.719	16.784	VV	465	9203	0.73%	0.014%
310	16.814	16.784	16.821	VV	175	3066	0.24%	0.005%
311	16.840	16.821	16.869	VV	397	5770	0.46%	0.009%
312	16.889	16.869	16.905	VV	131	2011	0.16%	0.003%
313	16.915	16.905	16.922	VV	122	1077	0.09%	0.002%
314	16.928	16.922	16.949	VV	134	1450	0.12%	0.002%
315	17.056	17.052	17.072	VV	127	1124	0.09%	0.002%
316	17.121	17.098	17.162	VV	287	6288	0.50%	0.010%
317	17.187	17.162	17.192	VV	224	3113	0.25%	0.005%
318	17.225	17.192	17.257	VV	970	16584	1.32%	0.026%
319	17.275	17.257	17.303	VV	339	4855	0.39%	0.008%
320	17.336	17.322	17.342	VV	123	1241	0.10%	0.002%
321	17.514	17.450	17.540	VV	187	5391	0.43%	0.008%
322	17.590	17.540	17.629	VV	117	3580	0.29%	0.006%
323	17.677	17.629	17.731	VV	1267	19809	1.58%	0.031%
324	17.785	17.731	17.817	PV	210	3672	0.29%	0.006%
325	17.862	17.817	17.887	VV	159	3521	0.28%	0.006%
326	17.910	17.887	17.924	VV	99	1124	0.09%	0.002%
327	17.958	17.924	17.983	VV	124	2268	0.18%	0.004%
328	18.026	17.983	18.058	VV	99	1669	0.13%	0.003%
329	18.114	18.058	18.144	PV	1885	27974	2.23%	0.044%
330	18.202	18.144	18.233	PV	185	4010	0.32%	0.006%

Sum of corrected areas: 63927203

Aromatic EPH 102124.M Mon Nov 04 03:01:00 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-3			SDG No.:	P4599
Lab Sample ID:	P4599-03			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.9
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
10/30/24 08:20	10/31/24 17:03	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	218		100	44.7	117	mg/kg	FE050947.D
Aliphatic C12-C16	Aliphatic C12-C16	875		100	28.2	78.3	mg/kg	FE050947.D
Aliphatic C16-C21	Aliphatic C16-C21	648		100	35.3	117	mg/kg	FE050947.D
Aliphatic C21-C28	Aliphatic C21-C28	55.0		10	9.40	15.7	mg/kg	FE050946.D
Aliphatic C28-C40	Aliphatic C28-C40	5.82		1	2.12	2.35	mg/kg	FE050924.D
Aromatic C10-C12	Aromatic C10-C12	60.4		5	1.76	3.92	mg/kg	FG014602.D
Aromatic C12-C16	Aromatic C12-C16	493		50	20.0	58.8	mg/kg	FG014603.D
Aromatic C16-C21	Aromatic C16-C21	950		50	56.4	97.9	mg/kg	FG014603.D
Aromatic C21-C36	Aromatic C21-C36	70.5		5	11.8	15.7	mg/kg	FG014602.D
Total AliphaticEPH	Total AliphaticEPH	1800			120	330	mg/kg	
Total AromaticEPH	Total AromaticEPH	1570			90.0	176	mg/kg	
Total EPH	Total EPH	3380			210	507	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:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-3		SDG No.:	P4599	
Lab Sample ID:	P4599-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.9	
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
FE050924.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	200	E	0.45	1.18	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	720	E	0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	533	E	0.35	1.18	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	54.2	E	0.94	1.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.82		2.12	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.3		40 - 140	57%	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:	P4599-03	Acq On:	31 Oct 2024 05:00
Client Sample ID:	EX-1-TPH-3	Operator:	YP\AJ
Data file:	FE050924.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	365636380	2560	300	ug/ml
Aliphatic C12-C16	6.763	10.194	1334483976	9200	200	ug/ml
Aliphatic C16-C21	10.195	13.554	982880667	6810	300	ug/ml
Aliphatic C21-C28	13.555	17.208	98295045	691.464	400	ug/ml
Aliphatic C28-C40	17.209	22.057	10280521	74.333	600	ug/ml
Aliphatic EPH	3.144	22.057	2791576589	19300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.298	13.298	3346986	28.29		ug/ml
Aliphatic C9-C28	3.144	17.208	2781296068	19300	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050924.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:00
Operator : YP\AJ
Sample : P4599-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3

Integration File: autoint1.e
Quant Time: Oct 31 07:45:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.298	3346986	28.294 ug/ml
Spiked Amount 50.000		Recovery = 56.59%	
Target Compounds			

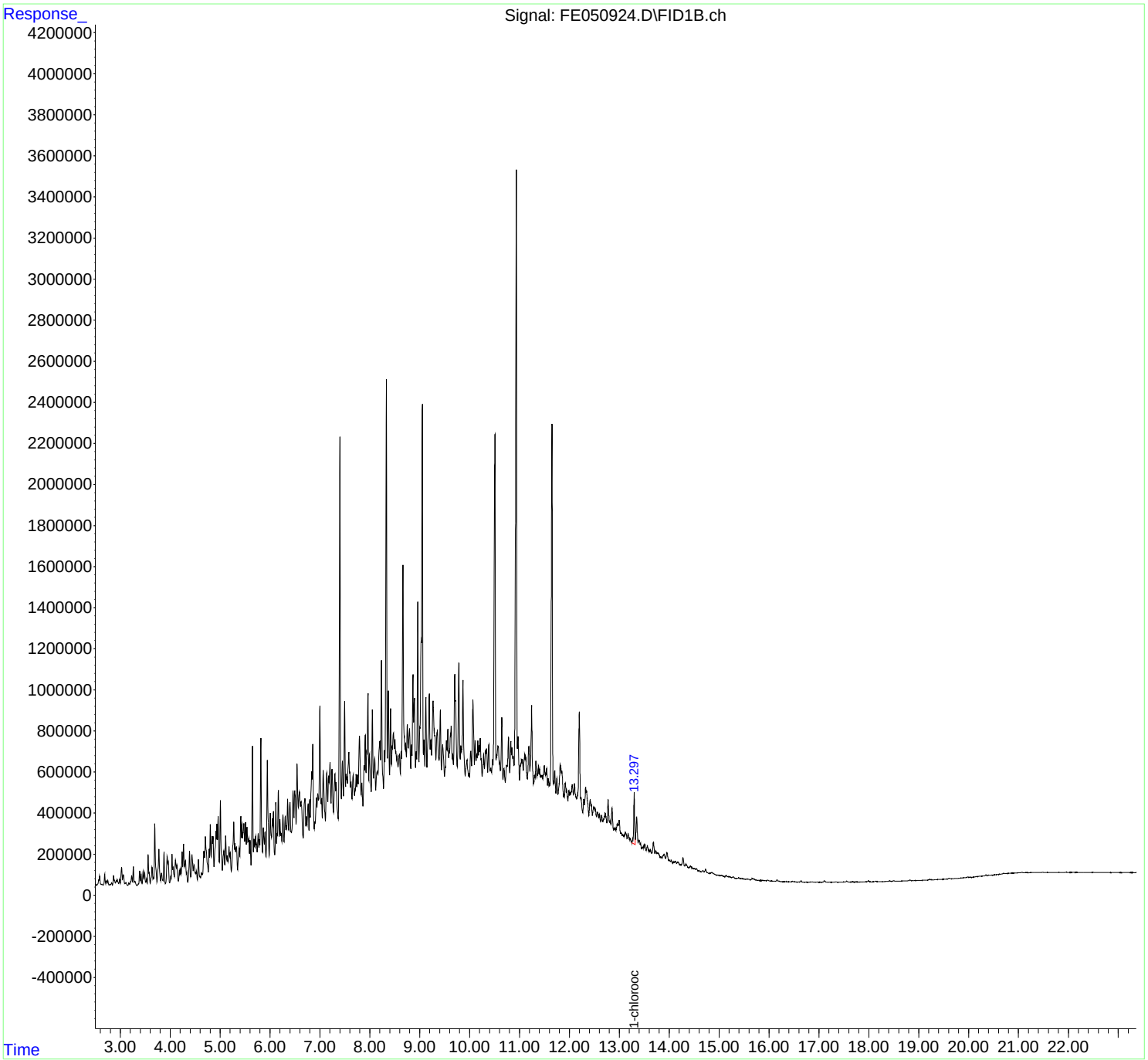
(f)=RT Delta > 1/2 Window (m)=manual int.

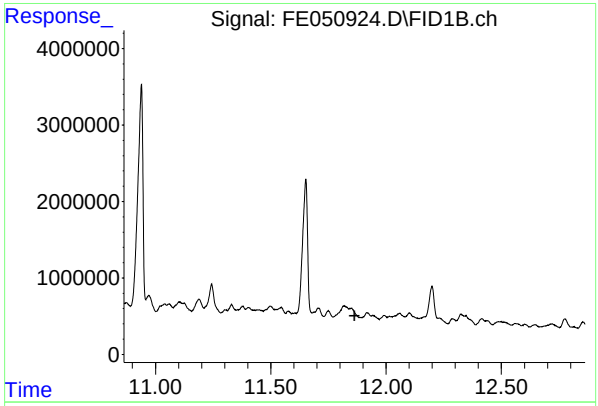
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050924.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:00
Operator : YP\AJ
Sample : P4599-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3

Integration File: autoint1.e
Quant Time: Oct 31 07:45:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

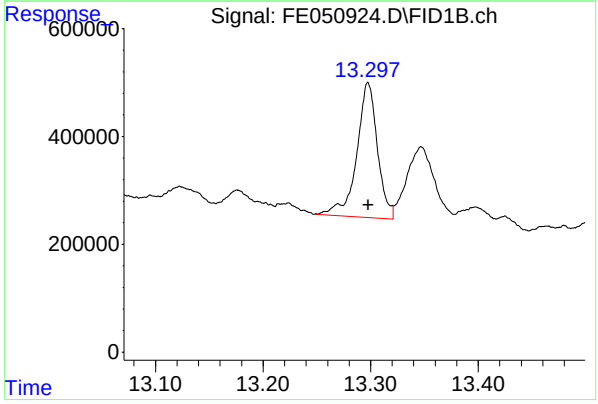




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 3346986
Conc: 28.29 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050924.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:00
Sample : P4599-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.586	2.525	2.620	PV	42380	729024	1.07%	0.026%
2	2.633	2.620	2.653	PV	3651	29379	0.04%	0.001%
3	2.687	2.653	2.704	PV	55055	603200	0.89%	0.021%
4	2.719	2.704	2.734	VV	22887	312002	0.46%	0.011%
5	2.748	2.734	2.775	VV	24918	311220	0.46%	0.011%
6	2.790	2.775	2.803	VV	4682	50718	0.07%	0.002%
7	2.826	2.803	2.843	VV	12945	167287	0.25%	0.006%
8	2.865	2.843	2.902	VV	47294	811436	1.19%	0.029%
9	2.919	2.902	2.926	VV	22779	261804	0.38%	0.009%
10	2.938	2.926	2.966	VV	28074	451994	0.66%	0.016%
11	2.986	2.966	3.000	VV	28570	356998	0.52%	0.013%
12	3.026	3.000	3.044	VV	88621	1382760	2.03%	0.049%
13	3.060	3.044	3.097	VV	51340	978503	1.44%	0.035%
14	3.113	3.097	3.145	VV	15297	222546	0.33%	0.008%
15	3.171	3.145	3.187	PV	11986	149130	0.22%	0.005%
16	3.227	3.187	3.244	VV	46347	819999	1.20%	0.029%
17	3.261	3.244	3.281	VV	91726	1073984	1.58%	0.038%
18	3.293	3.281	3.338	VV	20627	342255	0.50%	0.012%
19	3.386	3.338	3.402	PV	70744	901301	1.32%	0.032%
20	3.416	3.402	3.436	VV	54695	654122	0.96%	0.023%
21	3.457	3.436	3.472	VV	67192	871776	1.28%	0.031%
22	3.487	3.472	3.509	VV	62943	873768	1.28%	0.031%
23	3.525	3.509	3.537	VV	32920	376006	0.55%	0.013%
24	3.557	3.537	3.599	VV	149212	2391399	3.51%	0.085%
25	3.637	3.599	3.671	VV	88960	1922853	2.82%	0.068%
26	3.691	3.671	3.735	VV	299665	4537156	6.66%	0.161%
27	3.773	3.735	3.807	VV	177356	3486157	5.12%	0.124%
28	3.826	3.807	3.858	VV	59290	1174644	1.72%	0.042%
29	3.876	3.858	3.904	VV	162209	1821171	2.67%	0.065%
30	3.939	3.904	3.988	VV	141251	3630863	5.33%	0.129%
31	4.037	3.988	4.083	VV	151112	3637660	5.34%	0.129%
32	4.106	4.083	4.125	VV	124021	2250618	3.30%	0.080%
33	4.135	4.125	4.163	VV	99715	1458616	2.14%	0.052%
34	4.185	4.163	4.195	VV	71544	942367	1.38%	0.034%
35	4.208	4.195	4.220	VV	81402	999884	1.47%	0.036%
36	4.238	4.220	4.251	VV	162620	2026848	2.98%	0.072%

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37	4.267	4.251	4.285	VV	202005	2849197	4.18%	0.101%
38	4.305	4.285	4.351	VV	120096	2942942	4.32%	0.105%
39	4.388	4.351	4.412	VV	166978	2779238	4.08%	0.099%
40	4.436	4.412	4.462	VV	149764	2943094	4.32%	0.105%
41	4.478	4.462	4.517	VV	99663	2548054	3.74%	0.091%
42	4.527	4.517	4.544	VV	69236	848766	1.25%	0.030%
43	4.566	4.544	4.608	VV	126108	2505156	3.68%	0.089%
44	4.626	4.608	4.648	VV	60554	1206088	1.77%	0.043%
45	4.675	4.648	4.688	VV	165403	2869989	4.21%	0.102%
46	4.706	4.688	4.763	VV	234883	6603712	9.69%	0.235%
47	4.804	4.763	4.821	VV	296254	5971043	8.77%	0.213%
48	4.840	4.821	4.878	VV	236487	6416188	9.42%	0.228%
49	4.937	4.878	4.948	VV	298220	8754260	12.85%	0.312%
50	4.961	4.948	4.984	VV	335131	4759157	6.99%	0.169%
51	5.006	4.984	5.045	VV	412934	7428000	10.90%	0.264%
52	5.075	5.045	5.093	VV	168435	3800250	5.58%	0.135%
53	5.112	5.093	5.131	VV	240065	3837301	5.63%	0.137%
54	5.141	5.131	5.160	VV	144221	2188313	3.21%	0.078%
55	5.179	5.160	5.193	VV	186288	2951048	4.33%	0.105%
56	5.202	5.193	5.225	VV	157242	2346701	3.44%	0.084%
57	5.274	5.225	5.290	VV	307947	7095609	10.42%	0.253%
58	5.298	5.290	5.310	VV	202021	2299583	3.38%	0.082%
59	5.327	5.310	5.351	VV	186661	3659802	5.37%	0.130%
60	5.382	5.351	5.394	VV	180102	3620618	5.31%	0.129%
61	5.415	5.394	5.428	VV	334572	5142950	7.55%	0.183%
62	5.439	5.428	5.452	VV	297654	3641744	5.35%	0.130%
63	5.476	5.452	5.492	VV	301174	6332279	9.30%	0.225%
64	5.511	5.492	5.525	VV	306861	4985122	7.32%	0.177%
65	5.539	5.525	5.565	VV	282091	5626019	8.26%	0.200%
66	5.574	5.565	5.589	VV	228337	2959161	4.34%	0.105%
67	5.602	5.589	5.620	VV	218842	3162138	4.64%	0.113%
68	5.649	5.620	5.669	VV	670375	9771423	14.34%	0.348%
69	5.681	5.669	5.698	VV	223383	3429910	5.03%	0.122%
70	5.712	5.698	5.743	VV	237792	5399928	7.93%	0.192%
71	5.764	5.743	5.778	VV	250801	4400183	6.46%	0.157%
72	5.788	5.778	5.795	VV	222536	2118820	3.11%	0.075%
73	5.817	5.795	5.849	VV	711592	11780152	17.29%	0.419%
74	5.867	5.849	5.887	VV	277492	5133739	7.54%	0.183%
75	5.900	5.887	5.919	VV	258918	3995634	5.87%	0.142%
76	5.948	5.919	5.984	VV	605329	12445228	18.27%	0.443%
77	6.006	5.984	6.032	VV	348452	7340884	10.78%	0.261%
78	6.049	6.032	6.057	VV	322382	4285345	6.29%	0.153%
79	6.069	6.057	6.095	VV	356424	5711718	8.38%	0.203%
80	6.118	6.095	6.151	VV	400841	8563188	12.57%	0.305%
81	6.168	6.151	6.187	VV	459958	7399008	10.86%	0.263%
82	6.200	6.187	6.239	VV	318469	8088251	11.87%	0.288%
83	6.260	6.239	6.281	VV	341525	6920173	10.16%	0.246%
84	6.305	6.281	6.335	VV	332662	9082757	13.33%	0.323%
85	6.354	6.335	6.376	VV	417875	8070738	11.85%	0.287%
86	6.400	6.376	6.430	VV	401569	10199995	14.97%	0.363%
87	6.462	6.430	6.480	VV	458536	10532207	15.46%	0.375%
88	6.496	6.480	6.523	VV	459028	10394751	15.26%	0.370%
89	6.543	6.523	6.568	VV	579590	11952635	17.55%	0.425%

90	6.591	6.568	6.611	VV	453155	10841666	15.92%	0.386%
91	6.622	6.611	6.666	VV	403282	11020726	16.18%	0.392%
92	6.701	6.666	6.719	VV	420608	11071068	16.25%	0.394%
93	6.730	6.719	6.742	VV	332289	4270154	6.27%	0.152%
94	6.764	6.742	6.782	VV	394004	8140350	11.95%	0.290%
95	6.796	6.782	6.807	VV	413500	5348500	7.85%	0.190%
96	6.857	6.807	6.887	VV	684916	22459023	32.97%	0.799%
97	6.932	6.887	6.943	VV	423749	11603083	17.03%	0.413%
98	6.958	6.943	6.972	VV	443096	7413143	10.88%	0.264%
99	6.999	6.972	7.048	VV	867063	23668620	34.74%	0.842%
100	7.067	7.048	7.111	VV	553142	15834523	23.24%	0.564%
101	7.138	7.111	7.158	VV	545278	12915010	18.96%	0.460%
102	7.175	7.158	7.184	VV	527358	7376041	10.83%	0.263%
103	7.203	7.184	7.223	VV	595260	12205764	17.92%	0.434%
104	7.243	7.223	7.272	VV	561633	13574918	19.93%	0.483%
105	7.301	7.272	7.316	VV	540482	12091184	17.75%	0.430%
106	7.326	7.316	7.366	VV	492963	12367267	18.15%	0.440%
107	7.401	7.366	7.430	VV	2177368	35782579	52.53%	1.273%
108	7.452	7.430	7.472	VV	602253	12926391	18.98%	0.460%
109	7.496	7.472	7.515	VV	891797	16338461	23.98%	0.581%
110	7.526	7.515	7.551	VV	538154	11210806	16.46%	0.399%
111	7.580	7.551	7.613	VV	645619	20785592	30.51%	0.740%
112	7.624	7.613	7.644	VV	497552	8583998	12.60%	0.305%
113	7.667	7.644	7.695	VV	535348	14610062	21.45%	0.520%
114	7.728	7.695	7.741	VV	536601	13248756	19.45%	0.472%
115	7.755	7.741	7.768	VV	533203	8189444	12.02%	0.291%
116	7.794	7.768	7.826	VV	722335	20813377	30.55%	0.741%
117	7.841	7.826	7.863	VV	494300	9881244	14.51%	0.352%
118	7.909	7.863	7.925	VV	726090	20812259	30.55%	0.741%
119	7.963	7.925	7.980	VV	935062	22784233	33.45%	0.811%
120	7.995	7.980	8.029	VV	633620	16255222	23.86%	0.579%
121	8.053	8.029	8.075	VV	850597	17486419	25.67%	0.622%
122	8.100	8.075	8.119	VV	615019	14653762	21.51%	0.522%
123	8.148	8.119	8.162	VV	550203	13557185	19.90%	0.482%
124	8.201	8.162	8.215	VV	697931	19691738	28.91%	0.701%
125	8.234	8.215	8.276	VV	1088276	25860513	37.96%	0.920%
126	8.295	8.276	8.303	VV	651760	9469093	13.90%	0.337%
127	8.333	8.303	8.353	VV	2483121	39477107	57.95%	1.405%
128	8.373	8.353	8.397	VV	934467	19731648	28.97%	0.702%
129	8.417	8.397	8.436	VV	854908	16027639	23.53%	0.570%
130	8.474	8.436	8.494	VV	737473	23624900	34.68%	0.841%
131	8.505	8.494	8.538	VV	704574	17568244	25.79%	0.625%
132	8.547	8.538	8.568	VV	621967	10483261	15.39%	0.373%
133	8.594	8.568	8.612	VV	634685	16144226	23.70%	0.575%
134	8.629	8.612	8.637	VV	644988	8956488	13.15%	0.319%
135	8.666	8.637	8.709	VV	1554588	39514360	58.01%	1.406%
136	8.719	8.709	8.734	VV	687805	10109478	14.84%	0.360%
137	8.753	8.734	8.772	VV	778570	15964842	23.44%	0.568%
138	8.797	8.772	8.822	VV	757703	20475910	30.06%	0.729%
139	8.866	8.822	8.879	VV	1014495	25793724	37.86%	0.918%
140	8.894	8.879	8.918	VV	905954	18216639	26.74%	0.648%
141	8.932	8.918	8.940	VV	645210	8103556	11.90%	0.288%

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142	8.963	8.940	8.986	VV	1366685	24862509	36.50%	0.885%
143	9.053	8.986	9.075	VV	2357883	60942674	89.46%	2.169%
144	9.088	9.075	9.104	VV	703584	11689848	17.16%	0.416%
145	9.124	9.104	9.146	VV	911766	18096314	26.56%	0.644%
146	9.193	9.146	9.211	VV	929513	28740855	42.19%	1.023%
147	9.223	9.211	9.239	VV	702354	11103743	16.30%	0.395%
148	9.269	9.239	9.327	VV	890407	39514790	58.01%	1.406%
149	9.355	9.327	9.388	VV	750694	24800620	36.41%	0.883%
150	9.415	9.388	9.437	VV	847699	20546071	30.16%	0.731%
151	9.461	9.437	9.499	VV	676520	22541998	33.09%	0.802%
152	9.537	9.499	9.548	VV	699140	18018830	26.45%	0.641%
153	9.565	9.548	9.600	VV	751387	21011284	30.84%	0.748%
154	9.633	9.600	9.676	VV	769216	30877131	45.33%	1.099%
155	9.703	9.676	9.752	VV	1017527	35387496	51.95%	1.259%
156	9.785	9.752	9.812	VV	1070744	27834876	40.86%	0.991%
157	9.825	9.812	9.838	VV	673317	9951902	14.61%	0.354%
158	9.868	9.838	9.913	VV	991245	32078547	47.09%	1.142%
159	9.949	9.913	9.981	VV	602450	22967146	33.71%	0.817%
160	9.991	9.981	10.001	VV	538259	6285696	9.23%	0.224%
161	10.024	10.001	10.042	VV	646041	14612570	21.45%	0.520%
162	10.068	10.042	10.098	VV	894415	24682053	36.23%	0.878%
163	10.113	10.098	10.130	VV	699834	12451522	18.28%	0.443%
164	10.143	10.130	10.151	VV	629462	7495694	11.00%	0.267%
165	10.167	10.151	10.180	VV	696994	11595561	17.02%	0.413%
166	10.192	10.180	10.201	VV	674533	8263664	12.13%	0.294%
167	10.214	10.201	10.252	VV	709900	19311838	28.35%	0.687%
168	10.282	10.252	10.300	VV	630262	16381823	24.05%	0.583%
169	10.322	10.300	10.330	VV	649875	11169347	16.40%	0.398%
170	10.341	10.330	10.364	VV	656047	12676197	18.61%	0.451%
171	10.386	10.364	10.413	VV	677759	17639410	25.89%	0.628%
172	10.425	10.413	10.445	VV	563047	10602902	15.56%	0.377%
173	10.461	10.445	10.470	VV	604361	8781355	12.89%	0.313%
174	10.508	10.470	10.533	VV	2188983	46840485	68.76%	1.667%
175	10.572	10.533	10.618	VV	671392	31715604	46.56%	1.129%
176	10.647	10.618	10.671	VV	811148	20403284	29.95%	0.726%
177	10.690	10.671	10.716	VV	559045	14375661	21.10%	0.512%
178	10.743	10.716	10.751	VV	576843	11183384	16.42%	0.398%
179	10.780	10.751	10.805	VV	710734	20283124	29.77%	0.722%
180	10.827	10.805	10.839	VV	692925	12713877	18.66%	0.452%
181	10.850	10.839	10.890	VV	658268	19036805	27.95%	0.678%
182	10.938	10.890	10.960	VV	3459398	68122046	100.00%	2.424%
183	10.971	10.960	11.003	VV	716743	16296199	23.92%	0.580%
184	11.040	11.003	11.076	VV	605496	25441524	37.35%	0.905%
185	11.104	11.076	11.156	VV	629237	28024779	41.14%	0.997%
186	11.188	11.156	11.210	VV	669171	19203641	28.19%	0.683%
187	11.243	11.210	11.283	VV	863866	27715162	40.68%	0.986%
188	11.330	11.283	11.351	VV	595926	21824569	32.04%	0.777%
189	11.378	11.351	11.391	VV	574786	13070734	19.19%	0.465%
190	11.403	11.391	11.431	VV	555164	12796042	18.78%	0.455%
191	11.447	11.431	11.467	VV	526506	11215816	16.46%	0.399%
192	11.498	11.467	11.521	VV	574255	17695008	25.98%	0.630%
193	11.545	11.521	11.564	VV	559933	13657049	20.05%	0.486%
194	11.576	11.564	11.598	VV	508375	9982458	14.65%	0.355%

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195	11.651	11.598	11.680	VV	2234636	49313279	72.39%	1.755%
196	11.706	11.680	11.730	VV	548805	15108200	22.18%	0.538%
197	11.749	11.730	11.771	VV	512881	11548446	16.95%	0.411%
198	11.818	11.771	11.893	VV	574302	36715479	53.90%	1.307%
199	11.918	11.893	11.936	VV	488443	11813469	17.34%	0.420%
200	11.943	11.936	11.971	VV	453575	8988097	13.19%	0.320%
201	11.992	11.971	12.006	VV	452161	9070754	13.32%	0.323%
202	12.015	12.006	12.025	VV	441491	4978464	7.31%	0.177%
203	12.058	12.025	12.082	VV	482209	15504893	22.76%	0.552%
204	12.101	12.082	12.141	VV	484074	15968910	23.44%	0.568%
205	12.199	12.141	12.267	VV	833357	36702481	53.88%	1.306%
206	12.288	12.267	12.304	VV	406905	8517290	12.50%	0.303%
207	12.326	12.304	12.389	VV	467749	20910494	30.70%	0.744%
208	12.415	12.389	12.462	VV	409314	16443958	24.14%	0.585%
209	12.488	12.462	12.544	VV	370330	17383015	25.52%	0.619%
210	12.560	12.544	12.588	VV	346641	8796778	12.91%	0.313%
211	12.602	12.588	12.625	VV	337612	7106729	10.43%	0.253%
212	12.645	12.625	12.667	VV	331379	8115043	11.91%	0.289%
213	12.718	12.667	12.751	VV	339249	16053007	23.57%	0.571%
214	12.775	12.751	12.808	VV	407415	11603499	17.03%	0.413%
215	12.814	12.808	12.830	VV	302658	3936088	5.78%	0.140%
216	12.854	12.830	12.888	VV	364573	10745919	15.77%	0.382%
217	12.902	12.888	12.925	VV	267524	5837010	8.57%	0.208%
218	12.959	12.925	12.978	VV	288331	8829814	12.96%	0.314%
219	12.997	12.978	13.028	VV	308738	8311719	12.20%	0.296%
220	13.037	13.028	13.085	VV	244929	8157585	11.97%	0.290%
221	13.123	13.085	13.155	VV	248529	9862054	14.48%	0.351%
222	13.176	13.155	13.249	VV	241957	12337818	18.11%	0.439%
223	13.298	13.249	13.321	VV	441276	11613856	17.05%	0.413%
224	13.347	13.321	13.378	VV	322766	8902584	13.07%	0.317%
225	13.397	13.378	13.447	VV	210514	7979042	11.71%	0.284%
226	13.463	13.447	13.472	VV	174704	2561357	3.76%	0.091%
227	13.510	13.472	13.535	VV	187658	6617269	9.71%	0.236%
228	13.563	13.535	13.611	VV	182382	7641624	11.22%	0.272%
229	13.626	13.611	13.651	VV	161712	3666309	5.38%	0.130%
230	13.683	13.651	13.715	VV	201636	6386810	9.38%	0.227%
231	13.730	13.715	13.755	VV	155707	3619697	5.31%	0.129%
232	13.776	13.755	13.855	VV	147790	8078737	11.86%	0.288%
233	13.898	13.855	13.927	VV	142200	5658147	8.31%	0.201%
234	13.954	13.927	14.028	VV	148575	7417301	10.89%	0.264%
235	14.039	14.028	14.067	VV	112459	2499932	3.67%	0.089%
236	14.097	14.067	14.111	VV	104448	2665834	3.91%	0.095%
237	14.124	14.111	14.145	VV	106207	2097546	3.08%	0.075%
238	14.175	14.145	14.219	VV	100254	4247659	6.24%	0.151%
239	14.226	14.219	14.237	VV	89822	948812	1.39%	0.034%
240	14.276	14.237	14.311	VV	122588	4398039	6.46%	0.157%
241	14.336	14.311	14.386	VV	89956	3730983	5.48%	0.133%
242	14.422	14.386	14.485	VV	82223	4478725	6.57%	0.159%
243	14.509	14.485	14.528	VV	69884	1793055	2.63%	0.064%
244	14.548	14.528	14.583	VV	70417	2116803	3.11%	0.075%
245	14.597	14.583	14.645	VV	61263	2115140	3.10%	0.075%
246	14.671	14.645	14.702	VV	60031	1954998	2.87%	0.070%

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247	14.728	14.702	14.797	VV	67302	3074429	4.51%	0.109%
248	14.851	14.797	14.945	VV	51334	3981826	5.85%	0.142%
249	14.958	14.945	15.021	VV	38237	1695199	2.49%	0.060%
250	15.044	15.021	15.106	VV	36491	1706179	2.50%	0.061%
251	15.140	15.106	15.184	VV	36747	1483116	2.18%	0.053%
252	15.195	15.184	15.251	VV	30001	1123444	1.65%	0.040%
253	15.282	15.251	15.321	VV	28772	1083250	1.59%	0.039%
254	15.332	15.321	15.341	VV	22235	261837	0.38%	0.009%
255	15.344	15.341	15.356	VV	22074	193923	0.28%	0.007%
256	15.394	15.356	15.439	VV	24166	1089728	1.60%	0.039%
257	15.458	15.439	15.538	VV	20272	1087971	1.60%	0.039%
258	15.567	15.538	15.631	VV	17805	899648	1.32%	0.032%
259	15.662	15.631	15.676	VV	21252	475329	0.70%	0.017%
260	15.689	15.676	15.777	VV	18408	869286	1.28%	0.031%
261	15.797	15.777	15.863	VV	11569	535991	0.79%	0.019%
262	15.879	15.863	15.894	VV	10694	188773	0.28%	0.007%
263	15.905	15.894	15.912	VV	10032	107135	0.16%	0.004%
264	15.917	15.912	15.940	VV	10195	162915	0.24%	0.006%
265	15.969	15.940	16.092	VV	12096	776829	1.14%	0.028%
266	16.112	16.092	16.138	VV	6830	179967	0.26%	0.006%
267	16.159	16.138	16.183	VV	13821	267059	0.39%	0.010%
268	16.195	16.183	16.315	VV	7623	371146	0.54%	0.013%
269	16.346	16.315	16.425	VV	4864	254037	0.37%	0.009%
270	16.476	16.425	16.511	VV	5250	203081	0.30%	0.007%
271	16.519	16.511	16.578	VV	3335	96789	0.14%	0.003%
272	16.601	16.578	16.612	VV	2676	44454	0.07%	0.002%
273	16.642	16.612	16.715	VV	8763	180346	0.26%	0.006%
274	16.738	16.715	16.775	VV	1389	33586	0.05%	0.001%
275	16.853	16.775	16.894	VV	2153	100704	0.15%	0.004%
276	16.910	16.894	16.927	VV	1296	21206	0.03%	0.001%
277	16.976	16.927	17.030	VV	1553	51986	0.08%	0.002%
278	17.108	17.030	17.150	VV	8301	162441	0.24%	0.006%
279	17.167	17.150	17.181	VV	603	7893	0.01%	0.000%
280	17.198	17.181	17.212	VV	603	7391	0.01%	0.000%
281	17.220	17.212	17.248	VV	475	6913	0.01%	0.000%
282	17.292	17.248	17.301	VV	667	12936	0.02%	0.000%
283	17.347	17.301	17.381	VV	2039	49366	0.07%	0.002%
284	17.395	17.381	17.413	PV	531	6927	0.01%	0.000%
285	17.428	17.413	17.463	VV	626	12275	0.02%	0.000%
286	17.521	17.463	17.532	VV	1335	32045	0.05%	0.001%
287	17.557	17.532	17.608	VV	5652	94322	0.14%	0.003%
288	17.627	17.608	17.644	VV	665	10312	0.02%	0.000%
289	17.671	17.644	17.702	VV	1896	34593	0.05%	0.001%
290	17.718	17.702	17.786	VV	394	12048	0.02%	0.000%
291	17.840	17.786	17.864	VV	592	10656	0.02%	0.000%
292	17.889	17.864	17.904	PV	904	14640	0.02%	0.001%
293	17.993	17.904	18.035	VV	6136	139613	0.20%	0.005%
294	18.041	18.035	18.058	VV	349	3362	0.00%	0.000%
295	18.135	18.058	18.221	VV	3429	88985	0.13%	0.003%
296	18.278	18.221	18.291	PV	430	7287	0.01%	0.000%
297	18.308	18.291	18.317	VV	329	3666	0.01%	0.000%
298	18.367	18.317	18.389	VV	602	20701	0.03%	0.001%
299	18.418	18.389	18.441	VV	3945	52444	0.08%	0.002%

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300	18.502	18.441	18.548	VV	3491	74538	0.11%	0.003%
301	18.558	18.548	18.591	VV	339	5061	0.01%	0.000%
302	18.614	18.591	18.627	PV	548	6423	0.01%	0.000%
303	18.708	18.627	18.750	VV	711	31414	0.05%	0.001%
304	18.824	18.750	18.865	PV	4944	98023	0.14%	0.003%
305	18.879	18.865	18.889	VV	202	2543	0.00%	0.000%
306	18.923	18.889	18.947	PV	1441	18985	0.03%	0.001%
307	18.973	18.947	18.991	VV	860	13098	0.02%	0.000%
308	19.022	18.991	19.041	VV	344	6551	0.01%	0.000%
309	19.140	19.041	19.163	PV	591	28276	0.04%	0.001%
310	19.225	19.163	19.246	VV	3503	63937	0.09%	0.002%
311	19.255	19.246	19.292	VV	1087	15425	0.02%	0.001%
312	19.326	19.292	19.348	PV	646	12603	0.02%	0.000%
313	19.419	19.348	19.441	VV	967	32400	0.05%	0.001%
314	19.610	19.441	19.661	VV	4378	130616	0.19%	0.005%
315	19.727	19.661	19.747	VV	1270	36411	0.05%	0.001%
316	19.758	19.747	19.766	VV	819	8007	0.01%	0.000%
317	19.985	19.766	20.008	VV	5400	304509	0.45%	0.011%
318	20.029	20.008	20.057	VV	3353	88377	0.13%	0.003%
319	20.348	20.057	20.371	VV	9495	937238	1.38%	0.033%
320	20.705	20.371	20.741	VV	13882	2016954	2.96%	0.072%
321	20.817	20.741	20.831	VV	12100	637471	0.94%	0.023%
322	20.885	20.831	20.895	VV	12098	459555	0.67%	0.016%
323	21.069	20.895	21.119	VV	13795	1581436	2.32%	0.056%
324	21.148	21.119	21.158	VV	10627	246687	0.36%	0.009%
325	21.165	21.158	21.218	VV	10340	354635	0.52%	0.013%
326	21.295	21.218	21.315	VV	9516	543120	0.80%	0.019%
327	21.325	21.315	21.401	VV	9073	431728	0.63%	0.015%
328	21.437	21.401	21.446	VV	7094	195110	0.29%	0.007%
329	21.487	21.446	21.525	VV	8215	339714	0.50%	0.012%
330	21.581	21.525	21.595	VV	5993	252800	0.37%	0.009%
331	21.606	21.595	21.680	VV	5622	247400	0.36%	0.009%
332	21.779	21.680	21.794	VV	3219	239640	0.35%	0.009%
333	21.815	21.794	21.913	VV	2823	147174	0.22%	0.005%
334	21.956	21.913	22.008	VV	1930	59571	0.09%	0.002%

Sum of corrected areas: 2809859324

Aliphatic EPH 100824.M Thu Oct 31 07:49:18 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-3DL		SDG No.:	P4599	
Lab Sample ID:	P4599-03DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.9	
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
FE050946.D	10	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	241	E	4.47	11.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	873	E	2.82	7.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	654	E	3.53	11.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	55.0		9.40	15.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.2	U	21.2	23.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.22		40 - 140	64%	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:	P4599-03DL	Acq On:	31 Oct 2024 16:33
Client Sample ID:	EX-1-TPH-3DL	Operator:	YP\AJ
Data file:	FE050946.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	44111648	308.689	300	ug/ml
Aliphatic C12-C16	6.762	10.193	161890578	1120	200	ug/ml
Aliphatic C16-C21	10.194	13.552	120704276	835.895	300	ug/ml
Aliphatic C21-C28	13.553	17.208	9988506	70.265	400	ug/ml
Aliphatic C28-C40	17.209	22.054	502721	3.635	600	ug/ml
Aliphatic EPH	3.144	22.054	337197729	2330		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	380903	3.22		ug/ml
Aliphatic C9-C28	3.144	17.208	336695008	2330	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050946.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 16:33
Operator : YP\AJ
Sample : P4599-03DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:43:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.286	380903	3.220 ug/mlm
Spiked Amount 50.000		Recovery =	6.44%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050946.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 16:33
Operator : YP\AJ
Sample : P4599-03DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

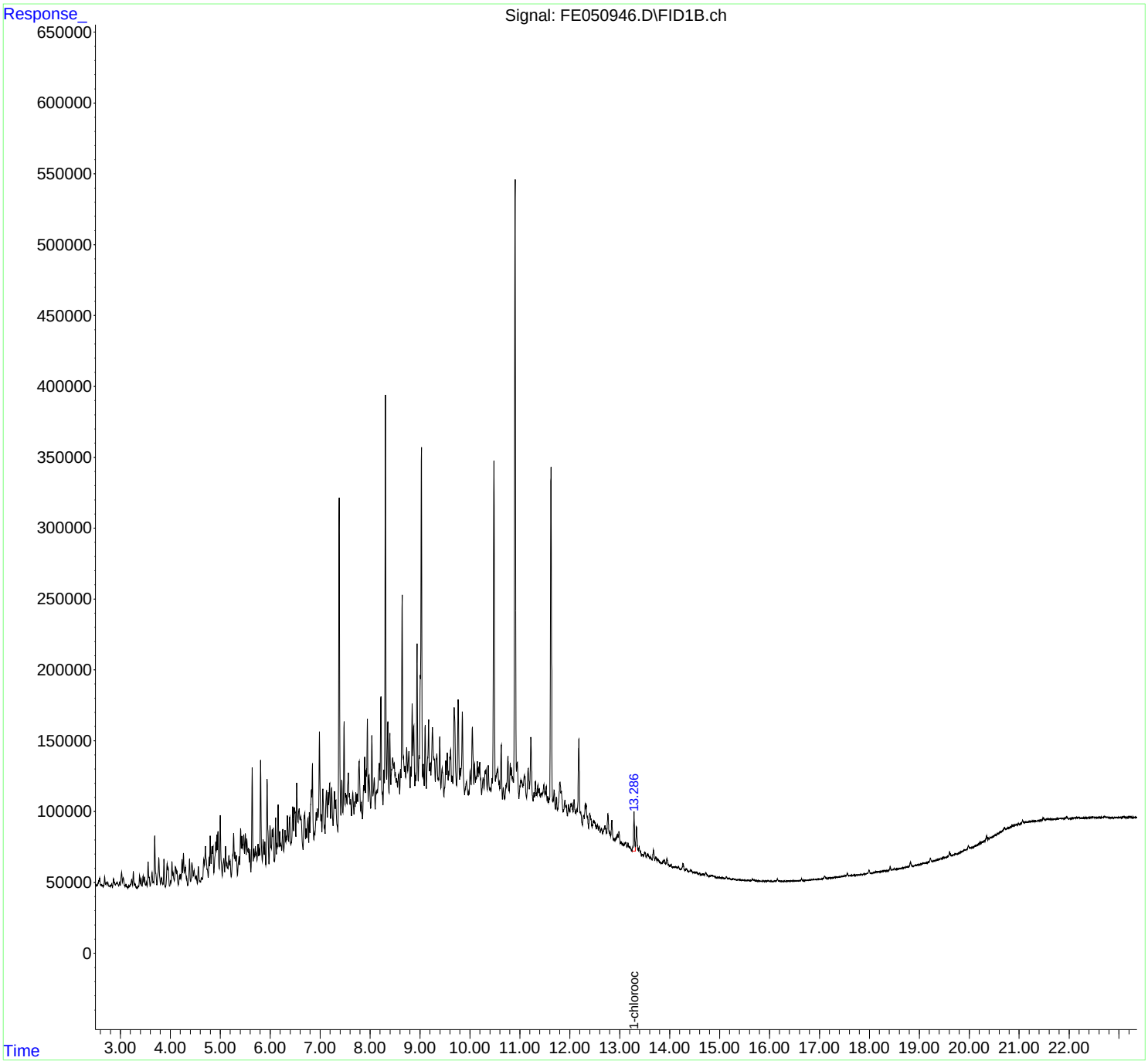
Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL

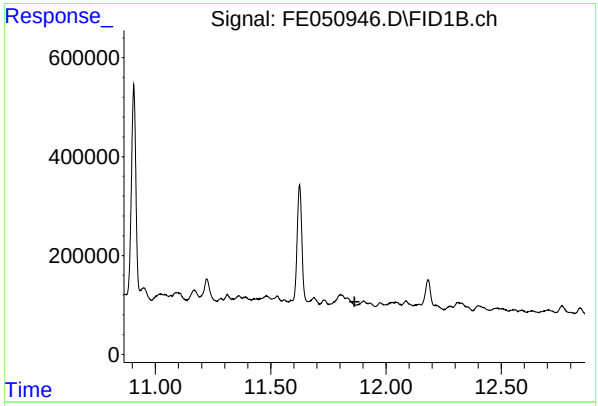
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:43:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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





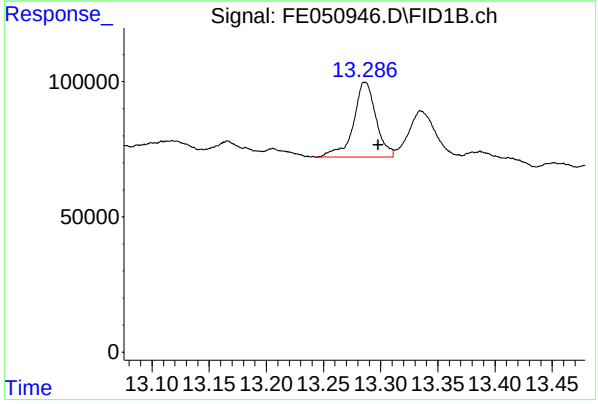
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.011 min
Response: 380903
Conc: 3.22 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050946.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 16:33
Sample : P4599-03DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.241	BV	3909	42243	0.52%	0.013%
2	3.259	3.241	3.279	VV	10080	104323	1.28%	0.031%
3	3.291	3.279	3.333	VV	1880	27139	0.33%	0.008%
4	3.384	3.333	3.400	PV	8878	109832	1.35%	0.033%
5	3.413	3.400	3.434	VV	6582	78686	0.96%	0.023%
6	3.454	3.434	3.469	VV	8211	106064	1.30%	0.031%
7	3.484	3.469	3.507	VV	7679	105282	1.29%	0.031%
8	3.523	3.507	3.535	VV	3840	43638	0.54%	0.013%
9	3.555	3.535	3.597	VV	18268	287508	3.53%	0.085%
10	3.634	3.597	3.668	VV	10741	225587	2.77%	0.067%
11	3.687	3.668	3.731	VV	36351	549423	6.74%	0.163%
12	3.770	3.731	3.803	VV	21357	416844	5.11%	0.124%
13	3.823	3.803	3.853	VV	6995	130613	1.60%	0.039%
14	3.873	3.853	3.901	VV	19901	216059	2.65%	0.064%
15	3.936	3.901	3.949	VV	16996	244175	2.99%	0.072%
16	3.956	3.949	3.985	VV	13945	177170	2.17%	0.053%
17	4.033	3.985	4.080	VV	18150	417524	5.12%	0.124%
18	4.102	4.080	4.122	VV	14687	265826	3.26%	0.079%
19	4.131	4.122	4.160	VV	11746	163277	2.00%	0.048%
20	4.182	4.160	4.193	VV	8408	107986	1.32%	0.032%
21	4.206	4.193	4.217	VV	9234	110439	1.35%	0.033%
22	4.234	4.217	4.247	VV	19741	235159	2.88%	0.070%
23	4.263	4.247	4.281	VV	24125	338515	4.15%	0.100%
24	4.302	4.281	4.348	VV	14177	336105	4.12%	0.100%
25	4.384	4.348	4.407	VV	20138	310968	3.81%	0.092%
26	4.433	4.407	4.458	VV	17367	344435	4.22%	0.102%
27	4.475	4.458	4.514	VV	11755	289672	3.55%	0.086%
28	4.523	4.514	4.540	VV	7750	90877	1.11%	0.027%
29	4.562	4.540	4.605	VV	14454	276208	3.39%	0.082%
30	4.622	4.605	4.648	VV	6756	141910	1.74%	0.042%
31	4.671	4.648	4.685	VV	19544	324416	3.98%	0.096%
32	4.702	4.685	4.758	VV	28947	763369	9.36%	0.226%
33	4.775	4.758	4.784	VV	20847	233466	2.86%	0.069%
34	4.799	4.784	4.816	VV	36162	474540	5.82%	0.141%
35	4.834	4.816	4.844	VV	28558	399029	4.89%	0.118%
36	4.853	4.844	4.873	VV	28761	357760	4.39%	0.106%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

37	4.931	4.873	4.942	VV	36763	1046659	12.83%	0.310%
38	4.954	4.942	4.979	VV	39163	561471	6	
39	5.000	4.979	5.039	VV	50324	878621	10	
40	5.071	5.039	5.088	VV	20235	437093	5	
41	5.106	5.088	5.125	VV	28690	443197	5	
42	5.134	5.125	5.153	VV	16882	247571	3	
43	5.173	5.153	5.187	VV	21952	353085	4.33%	0.105%
44	5.197	5.187	5.220	VV	18290	269114	3.30%	0.080%
45	5.268	5.220	5.305	VV	38008	1097496	13.46%	0.325%
46	5.323	5.305	5.345	VV	22304	424793	5.21%	0.126%
47	5.376	5.345	5.388	VV	21549	418181	5.13%	0.124%
48	5.409	5.388	5.422	VV	41147	602221	7.38%	0.179%
49	5.432	5.422	5.444	VV	35576	427941	5.25%	0.127%
50	5.470	5.444	5.484	VV	37020	735740	9.02%	0.218%
51	5.503	5.484	5.518	VV	37643	620117	7.60%	0.184%
52	5.532	5.518	5.557	VV	34151	654740	8.03%	0.194%
53	5.567	5.557	5.582	VV	27261	359799	4.41%	0.107%
54	5.595	5.582	5.613	VV	26192	367115	4.50%	0.109%
55	5.640	5.613	5.660	VV	84099	1151480	14.12%	0.341%
56	5.673	5.660	5.686	VV	26693	356481	4.37%	0.106%
57	5.704	5.686	5.736	VV	28495	701499	8.60%	0.208%
58	5.757	5.736	5.771	VV	30202	509448	6.25%	0.151%
59	5.781	5.771	5.788	VV	26433	252487	3.10%	0.075%
60	5.809	5.788	5.842	VV	88904	1418253	17.39%	0.421%
61	5.860	5.842	5.881	VV	32789	605502	7.43%	0.180%
62	5.893	5.881	5.912	VV	31639	461374	5.66%	0.137%
63	5.939	5.912	5.976	VV	75292	1478473	18.13%	0.438%
64	5.998	5.976	6.024	VV	43135	865948	10.62%	0.257%
65	6.041	6.024	6.049	VV	39596	526996	6.46%	0.156%
66	6.060	6.049	6.085	VV	41531	638275	7.83%	0.189%
67	6.109	6.085	6.125	VV	48160	726293	8.91%	0.215%
68	6.136	6.125	6.141	VV	30713	276844	3.39%	0.082%
69	6.159	6.141	6.178	VV	57732	919545	11.28%	0.273%
70	6.191	6.178	6.230	VV	38801	956956	11.73%	0.284%
71	6.251	6.230	6.272	VV	40319	810749	9.94%	0.240%
72	6.298	6.272	6.312	VV	39631	786358	9.64%	0.233%
73	6.346	6.312	6.369	VV	49975	1296581	15.90%	0.385%
74	6.390	6.369	6.411	VV	49025	1010008	12.39%	0.300%
75	6.453	6.411	6.470	VV	56234	1426533	17.49%	0.423%
76	6.485	6.470	6.513	VV	55662	1255655	15.40%	0.372%
77	6.532	6.513	6.558	VV	72676	1448130	17.76%	0.429%
78	6.580	6.558	6.598	VV	54759	1218456	14.94%	0.361%
79	6.611	6.598	6.657	VV	49090	1442404	17.69%	0.428%
80	6.691	6.657	6.709	VV	51608	1290767	15.83%	0.383%
81	6.720	6.709	6.732	VV	40799	519353	6.37%	0.154%
82	6.756	6.732	6.772	VV	47706	969779	11.89%	0.288%
83	6.786	6.772	6.797	VV	51697	641716	7.87%	0.190%
84	6.846	6.797	6.875	VV	85732	2690910	33.00%	0.798%
85	6.921	6.875	6.931	VV	51860	1384644	16.98%	0.411%
86	6.944	6.931	6.959	VV	54702	865297	10.61%	0.257%
87	6.987	6.959	7.015	VV	108568	2316426	28.41%	0.687%
88	7.023	7.015	7.036	VV	50894	597185	7.32%	0.177%
89	7.055	7.036	7.099	VV	68513	1904373	23.35%	0.565%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL

rteres

90	7.127	7.099	7.146	VV	67425	1547330	18.97%	0.459%
91	7.161	7.146	7.172	VV	65927	920773	11	
92	7.191	7.172	7.211	VV	72571	1471803	18	
93	7.231	7.211	7.260	VV	68975	1633857	20	
94	7.289	7.260	7.303	VV	66172	1441867	17	
95	7.314	7.303	7.354	VV	60625	1513265	18	
96	7.382	7.354	7.416	VV	273264	4393328	53.87%	1.303%
97	7.435	7.416	7.456	VV	74664	1505834	18.47%	0.447%
98	7.480	7.456	7.499	VV	115229	2003406	24.57%	0.594%
99	7.511	7.499	7.537	VV	65244	1419022	17.40%	0.421%
100	7.565	7.537	7.601	VV	79606	2577040	31.60%	0.764%
101	7.610	7.601	7.630	VV	60867	970570	11.90%	0.288%
102	7.654	7.630	7.679	VV	65660	1705285	20.91%	0.506%
103	7.715	7.679	7.727	VV	65721	1695709	20.79%	0.503%
104	7.740	7.727	7.753	VV	64746	961867	11.79%	0.285%
105	7.781	7.753	7.812	VV	87707	2541041	31.16%	0.754%
106	7.827	7.812	7.849	VV	58654	1177270	14.44%	0.349%
107	7.893	7.849	7.908	VV	90285	2467725	30.26%	0.732%
108	7.947	7.908	7.964	VV	117363	2827826	34.68%	0.839%
109	7.980	7.964	8.014	VV	78071	2002488	24.56%	0.594%
110	8.038	8.014	8.059	VV	106054	2086079	25.58%	0.619%
111	8.085	8.059	8.103	VV	76112	1791348	21.97%	0.531%
112	8.186	8.103	8.199	VV	86296	4082863	50.07%	1.211%
113	8.218	8.199	8.260	VV	133542	3147595	38.60%	0.933%
114	8.278	8.260	8.286	VV	81455	1147115	14.07%	0.340%
115	8.309	8.286	8.333	VV	345377	4772825	58.53%	1.415%
116	8.356	8.333	8.379	VV	115433	2483591	30.46%	0.737%
117	8.397	8.379	8.417	VV	107138	1964578	24.09%	0.583%
118	8.453	8.417	8.475	VV	89648	2900085	35.56%	0.860%
119	8.485	8.475	8.522	VV	86365	2259094	27.70%	0.670%
120	8.531	8.522	8.551	VV	75333	1279724	15.69%	0.380%
121	8.574	8.551	8.594	VV	78279	1870490	22.94%	0.555%
122	8.644	8.594	8.689	VV	204172	5872192	72.01%	1.741%
123	8.699	8.689	8.715	VV	84184	1291787	15.84%	0.383%
124	8.735	8.715	8.755	VV	97148	2051322	25.15%	0.608%
125	8.778	8.755	8.803	VV	94278	2463376	30.21%	0.731%
126	8.818	8.803	8.827	VV	83409	1085495	13.31%	0.322%
127	8.845	8.827	8.859	VV	127877	1985768	24.35%	0.589%
128	8.875	8.859	8.899	VV	112139	2282166	27.99%	0.677%
129	8.942	8.899	8.966	VV	169698	3996621	49.01%	1.185%
130	9.029	8.966	9.054	VV	307601	7530552	92.34%	2.233%
131	9.066	9.054	9.085	VV	85257	1480464	18.15%	0.439%
132	9.105	9.085	9.127	VV	112457	2226843	27.31%	0.660%
133	9.174	9.127	9.192	VV	116615	3513135	43.08%	1.042%
134	9.206	9.192	9.220	VV	86072	1364674	16.73%	0.405%
135	9.251	9.220	9.308	VV	110932	4823758	59.15%	1.431%
136	9.338	9.308	9.373	VV	92487	3234337	39.66%	0.959%
137	9.397	9.373	9.420	VV	104395	2396056	29.38%	0.711%
138	9.444	9.420	9.480	VV	82561	2664999	32.68%	0.790%
139	9.518	9.480	9.531	VV	87611	2269644	27.83%	0.673%
140	9.548	9.531	9.565	VV	93198	1762196	21.61%	0.523%
141	9.614	9.565	9.658	VV	95367	4538016	55.65%	1.346%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL

Manual IntegrationsAPPROVED

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rteres

142	9.686	9.658	9.733	VV	124515	4273715	52.41%	1.267%
143	9.766	9.733	9.793	VV	130068	3430628	42	
144	9.807	9.793	9.817	VV	82192	1129780	13	
145	9.850	9.817	9.895	VV	121573	4021658	49	
146	9.932	9.895	9.964	VV	72345	2840332	34	
147	9.975	9.964	9.983	VV	65541	724600	8	
148	10.006	9.983	10.024	VV	80136	1792785	21.98%	0.532%
149	10.050	10.024	10.080	VV	111083	3009639	36.91%	0.893%
150	10.094	10.080	10.113	VV	85212	1541196	18.90%	0.457%
151	10.149	10.113	10.164	VV	86566	2390474	29.31%	0.709%
152	10.175	10.164	10.183	VV	82314	939126	11.52%	0.279%
153	10.198	10.183	10.236	VV	86132	2397043	29.39%	0.711%
154	10.266	10.236	10.284	VV	75153	2031721	24.91%	0.603%
155	10.306	10.284	10.313	VV	80034	1323203	16.23%	0.392%
156	10.323	10.313	10.347	VV	80961	1546953	18.97%	0.459%
157	10.368	10.347	10.398	VV	83729	2233060	27.38%	0.662%
158	10.404	10.398	10.422	VV	68246	989950	12.14%	0.294%
159	10.483	10.422	10.511	VV	297794	6922826	84.89%	2.053%
160	10.560	10.511	10.601	VV	81964	4077720	50.00%	1.209%
161	10.628	10.601	10.653	VV	98343	2419526	29.67%	0.718%
162	10.671	10.653	10.695	VV	68100	1619074	19.85%	0.480%
163	10.726	10.695	10.734	VV	70321	1537703	18.86%	0.456%
164	10.762	10.734	10.787	VV	89913	2412487	29.58%	0.715%
165	10.809	10.787	10.821	VV	85315	1545535	18.95%	0.458%
166	10.831	10.821	10.874	VV	81737	2446196	30.00%	0.725%
167	10.906	10.874	10.934	VV	494625	8154882	100.00%	2.418%
168	10.949	10.934	10.983	VV	85787	2193077	26.89%	0.650%
169	11.022	10.983	11.057	VV	73127	3121642	38.28%	0.926%
170	11.091	11.057	11.135	VV	76190	3275643	40.17%	0.971%
171	11.168	11.135	11.192	VV	81276	2447234	30.01%	0.726%
172	11.223	11.192	11.266	VV	103528	3400716	41.70%	1.009%
173	11.284	11.266	11.294	VV	64480	1051572	12.89%	0.312%
174	11.312	11.294	11.340	VV	72216	1802064	22.10%	0.534%
175	11.361	11.340	11.376	VV	69669	1427581	17.51%	0.423%
176	11.389	11.376	11.415	VV	66971	1535857	18.83%	0.455%
177	11.439	11.415	11.446	VV	63836	1166369	14.30%	0.346%
178	11.481	11.446	11.504	VV	69833	2296688	28.16%	0.681%
179	11.528	11.504	11.548	VV	68593	1687848	20.70%	0.501%
180	11.558	11.548	11.576	VV	61745	984896	12.08%	0.292%
181	11.625	11.576	11.662	VV	293741	6305924	77.33%	1.870%
182	11.687	11.662	11.712	VV	66020	1800134	22.07%	0.534%
183	11.732	11.712	11.752	VV	61053	1341132	16.45%	0.398%
184	11.803	11.752	11.870	VV	71469	4293706	52.65%	1.273%
185	11.903	11.870	11.954	VV	58857	2702730	33.14%	0.802%
186	11.975	11.954	12.004	VV	55567	1576315	19.33%	0.467%
187	12.042	12.004	12.066	VV	56313	2015782	24.72%	0.598%
188	12.087	12.066	12.118	VV	59186	1662291	20.38%	0.493%
189	12.182	12.118	12.253	VV	101656	4725286	57.94%	1.401%
190	12.277	12.253	12.290	VV	48037	1021590	12.53%	0.303%
191	12.312	12.290	12.376	VV	55412	2543403	31.19%	0.754%
192	12.401	12.376	12.448	VV	49112	1915015	23.48%	0.568%
193	12.480	12.448	12.531	VV	43979	2100087	25.75%	0.623%
194	12.557	12.531	12.573	VV	41015	1007367	12.35%	0.299%

Instrument :
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EX-1-TPH-3DL

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rteres

195	12.589	12.573	12.610	VV	40046	847242	10.39%	0.251%
196	12.633	12.610	12.664	VV	38995	1209635	14	
197	12.704	12.664	12.736	VV	40745	1638618	20	
198	12.763	12.736	12.821	VV	48951	1986034	24	
199	12.842	12.821	12.898	VV	44542	1623071	19	
200	12.908	12.898	12.921	VV	31643	433850	5	
201	12.952	12.921	12.967	VV	34177	912440	11.19%	0.271%
202	12.986	12.967	13.020	VV	36387	1016427	12.46%	0.301%
203	13.030	13.020	13.050	VV	29011	502965	6.17%	0.149%
204	13.063	13.050	13.081	VV	27671	509836	6.25%	0.151%
205	13.117	13.081	13.144	VV	28593	1035077	12.69%	0.307%
206	13.166	13.144	13.198	VV	28378	840130	10.30%	0.249%
207	13.205	13.198	13.243	VV	25674	657474	8.06%	0.195%
208	13.287	13.243	13.312	VV	50222	1316929	16.15%	0.391%
209	13.336	13.312	13.370	VV	39579	1055251	12.94%	0.313%
210	13.386	13.370	13.436	VV	24559	889939	10.91%	0.264%
211	13.452	13.436	13.472	VV	20326	421414	5.17%	0.125%
212	13.500	13.472	13.534	VV	21692	748116	9.17%	0.222%
213	13.558	13.534	13.602	VV	20097	771016	9.45%	0.229%
214	13.615	13.602	13.645	VV	18109	448674	5.50%	0.133%
215	13.675	13.645	13.702	VV	22867	661729	8.11%	0.196%
216	13.721	13.702	13.748	VV	18227	459117	5.63%	0.136%
217	13.761	13.748	13.848	VV	16863	897741	11.01%	0.266%
218	13.889	13.848	13.918	VV	15827	620729	7.61%	0.184%
219	13.946	13.918	14.013	VV	16927	779175	9.55%	0.231%
220	14.031	14.013	14.067	VV	12834	369210	4.53%	0.109%
221	14.085	14.067	14.102	VV	11229	229169	2.81%	0.068%
222	14.118	14.102	14.164	VV	11350	407966	5.00%	0.121%
223	14.179	14.164	14.228	VV	11043	378920	4.65%	0.112%
224	14.270	14.228	14.311	VV	13167	521806	6.40%	0.155%
225	14.338	14.311	14.383	VV	9449	371800	4.56%	0.110%
226	14.415	14.383	14.462	VV	8609	380859	4.67%	0.113%
227	14.470	14.462	14.493	VV	7173	130996	1.61%	0.039%
228	14.510	14.493	14.523	VV	7205	122056	1.50%	0.036%
229	14.543	14.523	14.575	VV	7413	208284	2.55%	0.062%
230	14.597	14.575	14.628	VV	6426	183297	2.25%	0.054%
231	14.635	14.628	14.651	VV	5308	73778	0.90%	0.022%
232	14.668	14.651	14.700	VV	5762	164885	2.02%	0.049%
233	14.724	14.700	14.789	VV	6883	283719	3.48%	0.084%
234	14.802	14.789	14.814	VV	4320	63860	0.78%	0.019%
235	14.842	14.814	14.871	VV	4964	154432	1.89%	0.046%
236	14.881	14.871	14.937	VV	4424	149535	1.83%	0.044%
237	14.977	14.937	15.024	VV	3428	166331	2.04%	0.049%
238	15.046	15.024	15.080	VV	3145	99314	1.22%	0.029%
239	15.093	15.080	15.105	VV	2724	39711	0.49%	0.012%
240	15.138	15.105	15.168	VV	3833	110028	1.35%	0.033%
241	15.195	15.168	15.237	VV	2503	94496	1.16%	0.028%
242	15.277	15.237	15.361	VV	2333	134417	1.65%	0.040%
243	15.381	15.361	15.456	VV	1840	82825	1.02%	0.025%
244	15.473	15.456	15.501	VV	1302	30923	0.38%	0.009%
245	15.514	15.501	15.536	VV	1135	21646	0.27%	0.006%
246	15.556	15.536	15.588	VV	1221	32564	0.40%	0.010%

Instrument :
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EX-1-TPH-3DL

Manual IntegrationsAPPROVED

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rteres

247	15.597	15.588	15.630	VV	976	23171	0.28%	0.007%
248	15.658	15.630	15.681	VV	1898	41615	[illegible]	
249	15.688	15.681	15.774	VV	1367	45070	[illegible]	
250	15.787	15.774	15.814	VV	546	10429	[illegible]	
251	15.822	15.814	15.832	VV	430	3809	[illegible]	
252	15.852	15.832	15.860	VV	426	5813	[illegible]	
253	15.880	15.860	15.911	VV	528	11942	0.15%	0.004%
254	15.914	15.911	15.938	VV	461	5258	0.06%	0.002%
255	15.976	15.938	16.008	VV	800	21004	0.26%	0.006%
256	16.017	16.008	16.044	VV	357	6183	0.08%	0.002%
257	16.050	16.044	16.081	VV	337	5017	0.06%	0.001%
258	16.114	16.081	16.131	VV	479	10133	0.12%	0.003%
259	16.157	16.131	16.187	VV	1639	27081	0.33%	0.008%
260	16.197	16.187	16.241	VV	481	8132	0.10%	0.002%
261	16.287	16.241	16.313	PV	228	4182	0.05%	0.001%
262	16.343	16.313	16.377	VV	214	5619	0.07%	0.002%
263	16.391	16.377	16.404	VV	161	1863	0.02%	0.001%
264	16.408	16.404	16.427	VV	136	642	0.01%	0.000%
265	16.474	16.427	16.499	PV	357	7111	0.09%	0.002%
266	16.519	16.499	16.558	VV	182	3496	0.04%	0.001%
267	16.641	16.558	16.669	PV	1334	23848	0.29%	0.007%
268	16.733	16.669	16.762	VV	165	5578	0.07%	0.002%
269	16.856	16.762	16.880	PV	320	13130	0.16%	0.004%
270	16.891	16.880	16.920	VV	224	3143	0.04%	0.001%
271	16.937	16.920	16.953	PV	180	2467	0.03%	0.001%
272	16.988	16.953	17.021	VV	302	6786	0.08%	0.002%
273	17.106	17.021	17.149	PV	1920	40976	0.50%	0.012%
274	17.345	17.149	17.371	VV	324	18386	0.23%	0.005%
275	17.556	17.371	17.604	VV	1931	65634	0.80%	0.019%
276	17.658	17.604	17.701	VV	502	19453	0.24%	0.006%
277	17.766	17.701	17.779	VV	237	7557	0.09%	0.002%
278	17.896	17.779	17.904	PV	190	6816	0.08%	0.002%
279	17.992	17.904	18.022	PV	2556	47258	0.58%	0.014%
280	18.134	18.022	18.174	VV	657	24536	0.30%	0.007%
281	18.187	18.174	18.211	VV	311	4437	0.05%	0.001%
282	18.276	18.211	18.289	PV	277	6699	0.08%	0.002%
283	18.318	18.289	18.351	VV	265	6171	0.08%	0.002%
284	18.415	18.351	18.448	VV	2534	38848	0.48%	0.012%
285	18.502	18.448	18.564	VV	624	19963	0.24%	0.006%
286	18.682	18.564	18.690	PV	225	5396	0.07%	0.002%
287	18.728	18.690	18.744	VV	229	5765	0.07%	0.002%
288	18.824	18.744	18.871	VV	3264	61238	0.75%	0.018%
289	18.925	18.871	18.941	VV	273	4373	0.05%	0.001%
290	18.973	18.941	18.987	VV	168	1716	0.02%	0.001%
291	19.221	18.987	19.261	PV	2849	55019	0.67%	0.016%
292	19.269	19.261	19.291	VV	212	2213	0.03%	0.001%
293	19.474	19.291	19.488	PV	470	27918	0.34%	0.008%
294	19.607	19.488	19.645	VV	3120	73325	0.90%	0.022%

Sum of corrected areas: 337197730

Aliphatic EPH 100824.M Fri Nov 01 09:06:19 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-3DL		SDG No.:	P4599	
Lab Sample ID:	P4599-03DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.9	
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
FG014602.D	5	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	60.4		1.76	3.92	mg/kg
Aromatic C12-C16	Aromatic C12-C16	427	E	2.00	5.88	mg/kg
Aromatic C16-C21	Aromatic C16-C21	870	E	5.64	9.79	mg/kg
Aromatic C21-C36	Aromatic C21-C36	70.5		11.8	15.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	24.2		40 - 140	242%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	24.2		40 - 140	242%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.33		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:	P4599-03DL	Acq On:	31 Oct 2024 10:55
Client Sample ID:	EX-1-TPH-3DL	Operator:	YP\AJ
Data file:	FG014602.D	Misc:	
Instrument:	FID_G	ALS Vial:	38
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	21506480	154.173	200	ug/ml
Aromatic C12-C16	6.386	9.086	158914405	1090	300	ug/ml
Aromatic C16-C21	9.087	13.404	321957170	2220	500	ug/ml
Aromatic C21-C36	13.405	18.847	25591416	180.045	800	ug/ml
Aromatic EPH	4.516	18.847	527969471	3650		ug/ml
2-Bromonaphthalene (SURR)	8.014	8.014	3033729	24.17		ug/ml
2-Flurobiphenyl (SURR)	8.889	8.889	2084701	24.2		ug/ml
ortho-Terphenyl (SURR)	11.958	11.958	937768	6.33		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014602.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 10:55
Operator : YP\AJ
Sample : P4599-03DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:25:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.014	3033729	24.166 ug/mlm
Spiked Amount 50.000		Recovery =	48.33%
6) S 2-Flurobiphenyl (SURR)	8.889	2084701	24.203 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	48.41%
11) S ortho-Terphenyl (SURR)	11.958	937768	6.334 ug/mlm
Spiked Amount 50.000		Recovery =	12.67%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014602.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 10:55
Operator : YP\AJ
Sample : P4599-03DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

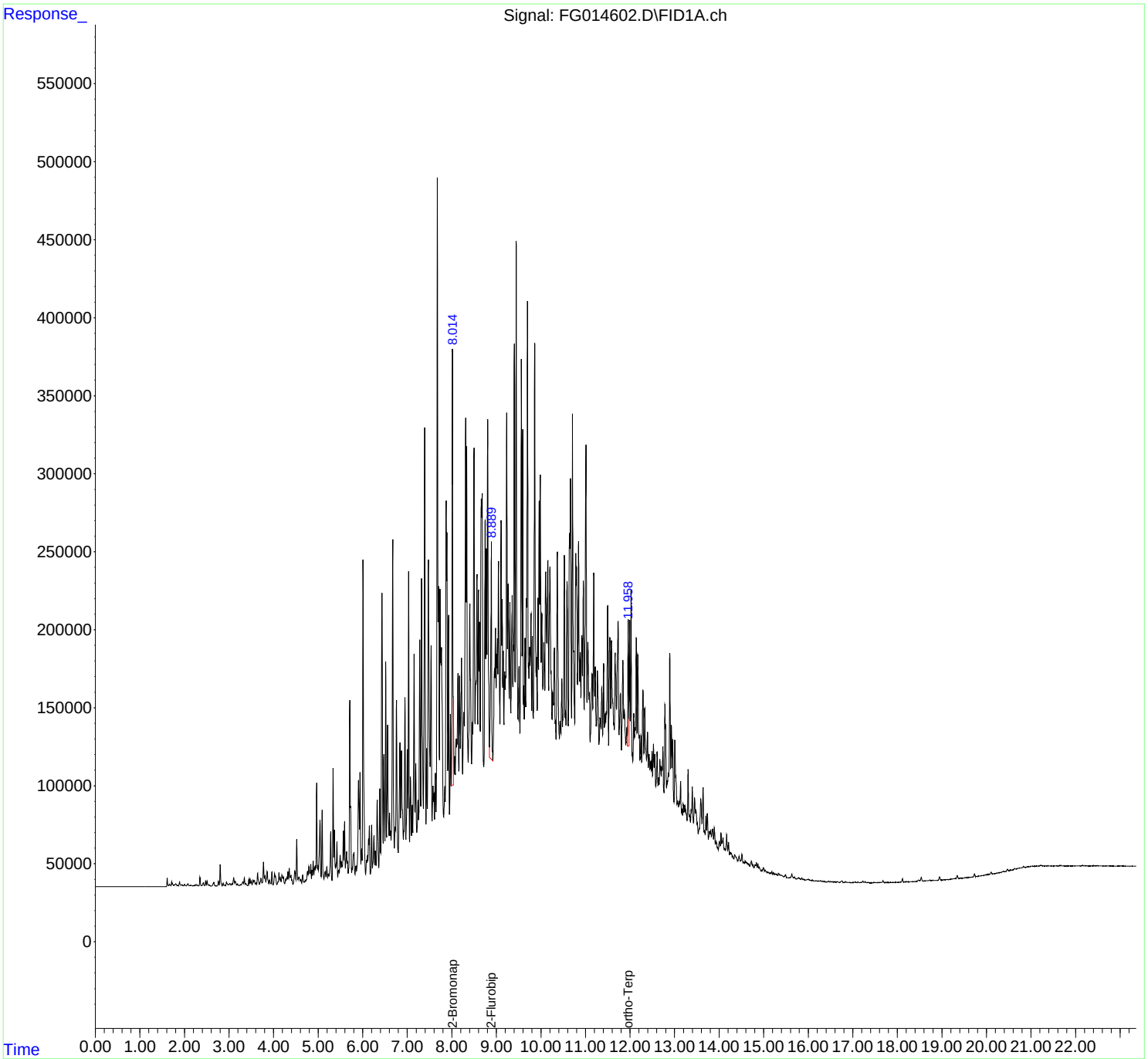
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL

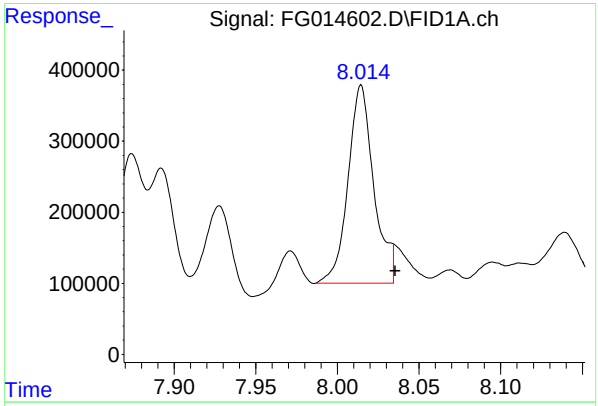
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:25:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





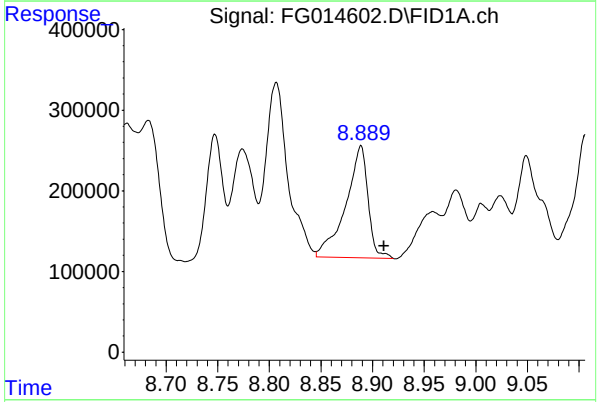
#4 2-Bromonaphthalene (SURR)

R.T.: 8.014 min
Delta R.T.: -0.021 mi
Response: 3033729
Conc: 24.17 ug/m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL

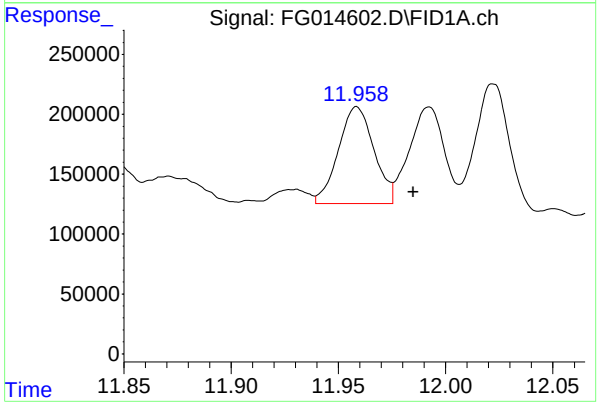
Manual Integrations
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.889 min
Delta R.T.: -0.023 min
Response: 2084701
Conc: 24.20 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.958 min
Delta R.T.: -0.027 min
Response: 937768
Conc: 6.33 ug/ml m

Instrument :
FID_G
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rteres

Area Percent Report

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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014602.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 10:55
Sample : P4599-03DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.273	4.250	4.283	BV	2795	31040	0.38%	0.006%
2	4.297	4.283	4.307	VV	4181	47844	0.58%	0.009%
3	4.322	4.307	4.335	VV	7867	90419	1.11%	0.017%
4	4.352	4.335	4.369	VV	10148	134009	1.64%	0.025%
5	4.391	4.369	4.409	VV	5756	103970	1.27%	0.019%
6	4.416	4.409	4.435	VV	2740	25361	0.31%	0.005%
7	4.477	4.435	4.502	PV	8578	177845	2.17%	0.033%
8	4.520	4.502	4.547	VV	28943	346412	4.24%	0.064%
9	4.564	4.547	4.602	VV	4536	119971	1.47%	0.022%
10	4.613	4.602	4.631	VV	3091	38616	0.47%	0.007%
11	4.652	4.631	4.676	VV	5958	89758	1.10%	0.017%
12	4.684	4.676	4.695	VV	1656	16643	0.20%	0.003%
13	4.709	4.695	4.721	VV	2370	30192	0.37%	0.006%
14	4.763	4.721	4.777	VV	8359	171793	2.10%	0.032%
15	4.793	4.777	4.815	VV	11506	199462	2.44%	0.037%
16	4.836	4.815	4.851	VV	12827	178669	2.18%	0.033%
17	4.864	4.851	4.874	VV	9100	96743	1.18%	0.018%
18	4.889	4.874	4.906	VV	15002	194650	2.38%	0.036%
19	4.923	4.906	4.933	VV	11124	149530	1.83%	0.028%
20	4.943	4.933	4.950	VV	11860	108959	1.33%	0.020%
21	4.967	4.950	4.988	VV	65079	723614	8.85%	0.134%
22	4.997	4.988	5.008	VV	11529	127888	1.56%	0.024%
23	5.043	5.008	5.069	VV	41417	766616	9.37%	0.142%
24	5.091	5.069	5.131	VV	47705	620500	7.59%	0.115%
25	5.158	5.131	5.178	VV	8046	171713	2.10%	0.032%
26	5.195	5.178	5.215	VV	11184	167915	2.05%	0.031%
27	5.228	5.215	5.243	VV	6588	97206	1.19%	0.018%
28	5.283	5.243	5.312	VV	33685	520101	6.36%	0.096%
29	5.337	5.312	5.353	VV	74419	785002	9.60%	0.145%
30	5.365	5.353	5.390	VV	34864	464351	5.68%	0.086%
31	5.403	5.390	5.408	VV	12856	127853	1.56%	0.024%
32	5.423	5.408	5.441	VV	27392	322332	3.94%	0.060%
33	5.461	5.441	5.476	VV	9002	157419	1.92%	0.029%
34	5.495	5.476	5.511	VV	18749	296029	3.62%	0.055%
35	5.523	5.511	5.535	VV	14756	180635	2.21%	0.033%
36	5.541	5.535	5.544	VV	11452	58745	0.72%	0.011%

Instrument :
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					rteres			
37	5.567	5.544	5.580	VV	34137	462381	5.65%	0.086%
38	5.594	5.580	5.612	VV	40431	492197	6	
39	5.639	5.612	5.652	VV	20956	372379	4	
40	5.659	5.652	5.675	VV	14870	167151	2	
41	5.711	5.675	5.753	VV	117775	1903452	23	
42	5.767	5.753	5.773	VV	10549	109180	1	
43	5.791	5.773	5.796	VV	19325	219186	2.68%	0.041%
44	5.804	5.796	5.828	VV	20532	275906	3.37%	0.051%
45	5.848	5.828	5.862	VV	11780	195081	2.38%	0.036%
46	5.906	5.862	5.930	VV	66531	1371184	16.76%	0.254%
47	5.942	5.930	5.961	VV	71481	790365	9.66%	0.146%
48	5.976	5.961	5.988	VV	22713	292086	3.57%	0.054%
49	6.009	5.988	6.067	VV	207915	3104069	37.95%	0.574%
50	6.088	6.067	6.097	VV	15544	213662	2.61%	0.040%
51	6.109	6.097	6.118	VV	18586	208404	2.55%	0.039%
52	6.132	6.118	6.140	VV	29089	308274	3.77%	0.057%
53	6.150	6.140	6.172	VV	37417	441242	5.39%	0.082%
54	6.202	6.172	6.219	VV	38003	514205	6.29%	0.095%
55	6.253	6.219	6.272	VV	31132	594825	7.27%	0.110%
56	6.285	6.272	6.301	VV	21273	292211	3.57%	0.054%
57	6.326	6.301	6.362	VV	53974	1044923	12.77%	0.193%
58	6.384	6.362	6.403	VV	61148	804800	9.84%	0.149%
59	6.434	6.403	6.460	VV	186480	3122457	38.17%	0.578%
60	6.476	6.460	6.501	VV	83159	1307381	15.98%	0.242%
61	6.519	6.501	6.536	VV	142480	1615029	19.74%	0.299%
62	6.561	6.536	6.592	VV	101794	1880270	22.99%	0.348%
63	6.605	6.592	6.618	VV	45762	596804	7.30%	0.110%
64	6.626	6.618	6.638	VV	34131	378936	4.63%	0.070%
65	6.675	6.638	6.712	VV	220858	3671690	44.89%	0.679%
66	6.728	6.712	6.736	VV	36905	458802	5.61%	0.085%
67	6.759	6.736	6.799	VV	117817	2077228	25.40%	0.384%
68	6.837	6.799	6.851	VV	90788	1681528	20.56%	0.311%
69	6.872	6.851	6.914	VV	85535	2076801	25.39%	0.384%
70	6.951	6.914	6.970	VV	119619	2017427	24.66%	0.373%
71	7.003	6.970	7.017	VV	86118	1552719	18.98%	0.287%
72	7.033	7.017	7.054	VV	200559	2297842	28.09%	0.425%
73	7.074	7.054	7.098	VV	68819	1260571	15.41%	0.233%
74	7.112	7.098	7.124	VV	50743	637770	7.80%	0.118%
75	7.155	7.124	7.175	VV	147369	2399518	29.34%	0.444%
76	7.193	7.175	7.215	VV	77210	1315684	16.09%	0.243%
77	7.242	7.215	7.256	VV	53906	1046443	12.79%	0.194%
78	7.282	7.256	7.304	VV	156354	2655741	32.47%	0.491%
79	7.323	7.304	7.362	VV	195693	3698524	45.22%	0.684%
80	7.393	7.362	7.422	VV	292910	4939073	60.38%	0.914%
81	7.438	7.422	7.453	VV	86768	1156006	14.13%	0.214%
82	7.475	7.453	7.513	VV	207977	4468815	54.63%	0.827%
83	7.537	7.513	7.558	VV	152755	2701041	33.02%	0.500%
84	7.580	7.558	7.591	VV	62850	1060867	12.97%	0.196%
85	7.600	7.591	7.614	VV	57955	700416	8.56%	0.130%
86	7.630	7.614	7.647	VV	71093	1142308	13.97%	0.211%
87	7.677	7.647	7.694	VV	452521	6052183	73.99%	1.120%
88	7.704	7.694	7.722	VV	190762	2562486	31.33%	0.474%
89	7.737	7.722	7.749	VV	188660	2369505	28.97%	0.438%

Instrument :
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EX-1-TPH-3DL

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90	7.754	7.749	7.760	VV	144560	943292	11.53%	0.175%
91	7.769	7.760	7.816	VV	151353	3325777	40	
92	7.844	7.816	7.854	VV	62698	1211721	14	
93	7.874	7.854	7.884	VV	245573	2903290	35	
94	7.892	7.884	7.910	VV	225321	2546854	31	
95	7.928	7.910	7.949	VV	172190	2482482	30	
96	7.971	7.949	7.986	VV	108714	1664145	20.35%	0.308%
97	8.014	7.986	8.057	VV	341916	6130119	74.94%	1.134%
98	8.069	8.057	8.079	VV	81886	1022783	12.50%	0.189%
99	8.095	8.079	8.104	VV	92864	1254870	15.34%	0.232%
100	8.112	8.104	8.119	VV	91412	826164	10.10%	0.153%
101	8.139	8.119	8.158	VV	134840	2465090	30.14%	0.456%
102	8.175	8.158	8.192	VV	133523	2165233	26.47%	0.401%
103	8.220	8.192	8.243	VV	144732	3412379	41.72%	0.631%
104	8.271	8.243	8.282	VV	110094	2252219	27.53%	0.417%
105	8.312	8.282	8.324	VV	298507	4900949	59.92%	0.907%
106	8.336	8.324	8.369	VV	280382	4239309	51.83%	0.784%
107	8.405	8.369	8.445	VV	179545	5385941	65.85%	0.996%
108	8.465	8.445	8.473	VV	103345	1550799	18.96%	0.287%
109	8.500	8.473	8.523	VV	279497	5294518	64.73%	0.980%
110	8.566	8.523	8.584	VV	198232	5143572	62.88%	0.952%
111	8.598	8.584	8.610	VV	188615	2355568	28.80%	0.436%
112	8.620	8.610	8.639	VV	167873	2466524	30.15%	0.456%
113	8.662	8.639	8.674	VV	246742	4107091	50.21%	0.760%
114	8.683	8.674	8.719	VV	250234	4242628	51.87%	0.785%
115	8.747	8.719	8.760	VV	233312	3596532	43.97%	0.665%
116	8.774	8.760	8.790	VV	214890	3259889	39.85%	0.603%
117	8.807	8.790	8.845	VV	297740	5935490	72.57%	1.098%
118	8.889	8.845	8.923	VV	219326	5806794	70.99%	1.074%
119	8.959	8.923	8.967	VV	137343	2995394	36.62%	0.554%
120	8.981	8.967	8.995	VV	163856	2460359	30.08%	0.455%
121	9.006	8.995	9.013	VV	147181	1504738	18.40%	0.278%
122	9.024	9.013	9.035	VV	156936	1930875	23.61%	0.357%
123	9.049	9.035	9.080	VV	206685	4166065	50.93%	0.771%
124	9.106	9.080	9.120	VV	233018	4013931	49.07%	0.743%
125	9.130	9.120	9.144	VV	182219	2328617	28.47%	0.431%
126	9.155	9.144	9.171	VV	149450	2029769	24.82%	0.376%
127	9.187	9.171	9.199	VV	136039	2125305	25.98%	0.393%
128	9.233	9.199	9.252	VV	301915	6002913	73.39%	1.111%
129	9.266	9.252	9.290	VV	192287	3665830	44.82%	0.678%
130	9.305	9.290	9.324	VV	180290	3003137	36.72%	0.556%
131	9.356	9.324	9.371	VV	184767	4184649	51.16%	0.774%
132	9.403	9.371	9.420	VV	346016	5945135	72.68%	1.100%
133	9.446	9.420	9.486	VV	411617	8179495	100.00%	1.513%
134	9.509	9.486	9.528	VV	139362	3047315	37.26%	0.564%
135	9.562	9.528	9.578	VV	336134	5855756	71.59%	1.083%
136	9.593	9.578	9.609	VV	291213	3754007	45.90%	0.695%
137	9.617	9.609	9.628	VV	127110	1371190	16.76%	0.254%
138	9.644	9.628	9.659	VV	157426	2435536	29.78%	0.451%
139	9.677	9.659	9.681	VV	182794	2060511	25.19%	0.381%
140	9.699	9.681	9.733	VV	373246	6748597	82.51%	1.249%
141	9.746	9.733	9.757	VV	151641	2035039	24.88%	0.376%

Instrument :
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Manual IntegrationsAPPROVED

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142	9.779	9.757	9.794	VV	173196	3297895	40.32%	0.610%
143	9.808	9.794	9.828	VV	158580	2669513	32	
144	9.861	9.828	9.892	VV	346987	7599481	92	
145	9.903	9.892	9.916	VV	145485	1948205	23	
146	9.933	9.916	9.946	VV	183166	2686391	32	
147	9.962	9.946	9.974	VV	245337	3351646	40	
148	9.987	9.974	10.005	VV	262180	3784341	46.27%	0.700%
149	10.022	10.005	10.044	VV	173074	3542027	43.30%	0.655%
150	10.064	10.044	10.087	VV	154613	3526562	43.11%	0.652%
151	10.107	10.087	10.131	VV	199795	4442348	54.31%	0.822%
152	10.156	10.131	10.175	VV	206928	4619925	56.48%	0.855%
153	10.203	10.175	10.250	VV	202962	6906977	84.44%	1.278%
154	10.264	10.250	10.281	VV	122480	2154139	26.34%	0.399%
155	10.303	10.281	10.339	VV	150996	4176868	51.07%	0.773%
156	10.369	10.339	10.416	VV	212687	6205641	75.87%	1.148%
157	10.430	10.416	10.450	VV	104233	2048449	25.04%	0.379%
158	10.469	10.450	10.486	VV	131199	2404096	29.39%	0.445%
159	10.527	10.486	10.545	VV	209750	4861252	59.43%	0.899%
160	10.552	10.545	10.563	VV	109823	1148310	14.04%	0.212%
161	10.586	10.563	10.612	VV	193732	4273662	52.25%	0.791%
162	10.643	10.612	10.651	VV	224395	3871179	47.33%	0.716%
163	10.664	10.651	10.688	VV	259604	4388782	53.66%	0.812%
164	10.708	10.688	10.759	VV	301552	7189492	87.90%	1.330%
165	10.783	10.759	10.792	VV	211407	3380919	41.33%	0.625%
166	10.800	10.792	10.822	VV	202323	3111674	38.04%	0.576%
167	10.845	10.822	10.869	VV	219505	4660543	56.98%	0.862%
168	10.884	10.869	10.898	VV	148124	2353210	28.77%	0.435%
169	10.918	10.898	10.935	VV	159111	3181409	38.89%	0.589%
170	10.952	10.935	10.971	VV	193919	3373616	41.24%	0.624%
171	11.011	10.971	11.034	VV	281460	6853514	83.79%	1.268%
172	11.055	11.034	11.080	VV	154502	3766109	46.04%	0.697%
173	11.088	11.080	11.106	VV	122376	1699228	20.77%	0.314%
174	11.149	11.106	11.164	VV	134187	4016959	49.11%	0.743%
175	11.186	11.164	11.204	VV	199209	3676942	44.95%	0.680%
176	11.220	11.204	11.239	VV	138840	2552866	31.21%	0.472%
177	11.244	11.239	11.249	VV	102396	591994	7.24%	0.110%
178	11.269	11.249	11.304	VV	136558	3798766	46.44%	0.703%
179	11.330	11.304	11.348	VV	106298	2612888	31.94%	0.483%
180	11.366	11.348	11.386	VV	125591	2563470	31.34%	0.474%
181	11.408	11.386	11.425	VV	141101	2805641	34.30%	0.519%
182	11.442	11.425	11.455	VV	108739	1854645	22.67%	0.343%
183	11.466	11.455	11.474	VV	110388	1234510	15.09%	0.228%
184	11.498	11.474	11.519	VV	178508	3669184	44.86%	0.679%
185	11.547	11.519	11.566	VV	157747	3755773	45.92%	0.695%
186	11.583	11.566	11.633	VV	155912	4971170	60.78%	0.920%
187	11.637	11.633	11.646	VV	102816	800093	9.78%	0.148%
188	11.666	11.646	11.696	VV	147501	3783047	46.25%	0.700%
189	11.732	11.696	11.754	VV	168217	4728437	57.81%	0.875%
190	11.784	11.754	11.809	VV	121507	3440513	42.06%	0.637%
191	11.839	11.809	11.859	VV	143133	3542516	43.31%	0.655%
192	11.871	11.859	11.904	VV	111012	2749040	33.61%	0.509%
193	11.909	11.904	11.913	VV	90729	509966	6.23%	0.094%
194	11.930	11.913	11.939	VV	100149	1494590	18.27%	0.277%

Instrument :
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rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

195	11.959	11.939	11.975	VV	169175	2844433	34.78%	0.526%
196	11.992	11.975	12.006	VV	168857	2565836	31	
197	12.022	12.006	12.044	VV	188204	2995111	36	
198	12.051	12.044	12.061	VV	83882	861742	10	
199	12.084	12.061	12.100	VV	109112	2268504	27	
200	12.141	12.100	12.157	VV	157510	3908263	47	
201	12.174	12.157	12.201	VV	146639	3078888	37.64%	0.570%
202	12.207	12.201	12.223	VV	95080	1202362	14.70%	0.222%
203	12.245	12.223	12.262	VV	94886	2016158	24.65%	0.373%
204	12.290	12.262	12.312	VV	123998	3061564	37.43%	0.566%
205	12.330	12.312	12.370	VV	112352	3177215	38.84%	0.588%
206	12.393	12.370	12.409	VV	97168	2003437	24.49%	0.371%
207	12.427	12.409	12.445	VV	82935	1720313	21.03%	0.318%
208	12.464	12.445	12.478	VV	78263	1467186	17.94%	0.271%
209	12.492	12.478	12.506	VV	84712	1311986	16.04%	0.243%
210	12.525	12.506	12.543	VV	89454	1747378	21.36%	0.323%
211	12.555	12.543	12.576	VV	83003	1486129	18.17%	0.275%
212	12.607	12.576	12.627	VV	84283	2207122	26.98%	0.408%
213	12.642	12.627	12.654	VV	67835	1041309	12.73%	0.193%
214	12.671	12.654	12.700	VV	79499	2032777	24.85%	0.376%
215	12.712	12.700	12.721	VV	74785	932712	11.40%	0.173%
216	12.737	12.721	12.762	VV	87820	1769814	21.64%	0.327%
217	12.784	12.762	12.819	VV	114731	2985017	36.49%	0.552%
218	12.856	12.819	12.867	VV	71071	1909147	23.34%	0.353%
219	12.893	12.867	12.912	VV	147775	2786193	34.06%	0.515%
220	12.927	12.912	12.942	VV	101501	1597046	19.52%	0.295%
221	12.956	12.942	12.986	VV	92198	1876499	22.94%	0.347%
222	13.006	12.986	13.054	VV	91874	2779371	33.98%	0.514%
223	13.068	13.054	13.084	VV	52770	919651	11.24%	0.170%
224	13.101	13.084	13.115	VV	52664	960365	11.74%	0.178%
225	13.133	13.115	13.154	VV	65535	1304043	15.94%	0.241%
226	13.166	13.154	13.179	VV	47811	694599	8.49%	0.129%
227	13.193	13.179	13.211	VV	50855	921388	11.26%	0.170%
228	13.230	13.211	13.246	VV	50104	997823	12.20%	0.185%
229	13.250	13.246	13.280	VV	46713	898196	10.98%	0.166%
230	13.304	13.280	13.332	VV	73040	1648187	20.15%	0.305%
231	13.339	13.332	13.355	VV	43731	585628	7.16%	0.108%
232	13.396	13.355	13.425	VV	62139	1976633	24.17%	0.366%
233	13.448	13.425	13.467	VV	54898	1214154	14.84%	0.225%
234	13.479	13.467	13.529	VV	47048	1505188	18.40%	0.278%
235	13.587	13.529	13.615	VV	54101	2122355	25.95%	0.393%
236	13.638	13.615	13.685	VV	61382	1769894	21.64%	0.327%
237	13.703	13.685	13.716	VV	43304	701109	8.57%	0.130%
238	13.735	13.716	13.756	VV	44853	891633	10.90%	0.165%
239	13.783	13.756	13.795	VV	33426	741530	9.07%	0.137%
240	13.810	13.795	13.823	VV	34406	533750	6.53%	0.099%
241	13.850	13.823	13.874	VV	34538	973389	11.90%	0.180%
242	13.891	13.874	13.915	VV	35846	760035	9.29%	0.141%
243	13.930	13.915	13.959	VV	26850	675528	8.26%	0.125%
244	13.964	13.959	13.978	VV	23062	250391	3.06%	0.046%
245	14.004	13.978	14.024	VV	26816	678383	8.29%	0.126%
246	14.041	14.024	14.057	VV	32496	569753	6.97%	0.105%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL

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247	14.086	14.057	14.115	VV	28906	898908	10.99%	0.166%
248	14.126	14.115	14.142	VV	22356	341322	4	
249	14.168	14.142	14.190	VV	31420	739202	9	
250	14.209	14.190	14.231	VV	26407	548652	6	
251	14.252	14.231	14.266	VV	19642	403896	4	
252	14.275	14.266	14.299	VV	19331	352994	4	
253	14.302	14.299	14.329	VV	17253	296171	3.62%	0.055%
254	14.349	14.329	14.423	VV	18392	923598	11.29%	0.171%
255	14.447	14.423	14.484	VV	17030	566070	6.92%	0.105%
256	14.511	14.484	14.536	VV	18505	485766	5.94%	0.090%
257	14.547	14.536	14.564	VV	13709	221836	2.71%	0.041%
258	14.584	14.564	14.599	VV	14379	286532	3.50%	0.053%
259	14.609	14.599	14.654	VV	13616	425467	5.20%	0.079%
260	14.663	14.654	14.686	VV	12726	233024	2.85%	0.043%
261	14.724	14.686	14.744	VV	14223	436656	5.34%	0.081%
262	14.755	14.744	14.776	VV	12084	210356	2.57%	0.039%
263	14.780	14.776	14.785	VV	10105	54717	0.67%	0.010%
264	14.803	14.785	14.820	VV	11749	236230	2.89%	0.044%
265	14.834	14.820	14.855	VV	13072	253162	3.10%	0.047%
266	14.869	14.855	14.886	VV	12169	201661	2.47%	0.037%
267	14.897	14.886	14.945	VV	10439	325929	3.98%	0.060%
268	14.963	14.945	14.971	VV	8715	129790	1.59%	0.024%
269	14.995	14.971	15.017	VV	9915	244912	2.99%	0.045%
270	15.030	15.017	15.055	VV	8546	182724	2.23%	0.034%
271	15.064	15.055	15.080	VV	7490	105294	1.29%	0.019%
272	15.088	15.080	15.132	VV	6929	211840	2.59%	0.039%
273	15.147	15.132	15.164	VV	6555	121731	1.49%	0.023%
274	15.181	15.164	15.201	VV	7515	145823	1.78%	0.027%
275	15.218	15.201	15.240	VV	7045	145848	1.78%	0.027%
276	15.261	15.240	15.287	VV	6041	160480	1.96%	0.030%
277	15.293	15.287	15.314	VV	5632	87128	1.07%	0.016%
278	15.336	15.314	15.361	VV	6203	156137	1.91%	0.029%
279	15.365	15.361	15.373	VV	5246	39428	0.48%	0.007%
280	15.378	15.373	15.395	VV	5276	67182	0.82%	0.012%
281	15.400	15.395	15.450	VV	5088	150552	1.84%	0.028%
282	15.486	15.450	15.569	VV	5495	288151	3.52%	0.053%
283	15.628	15.569	15.680	VV	5758	268873	3.29%	0.050%
284	15.693	15.680	15.740	VV	3713	110789	1.35%	0.020%
285	15.776	15.740	15.795	VV	3632	101591	1.24%	0.019%
286	15.807	15.795	15.836	VV	3021	67152	0.82%	0.012%
287	15.854	15.836	15.876	VV	3473	67435	0.82%	0.012%
288	15.894	15.876	15.931	VV	2561	73998	0.90%	0.014%
289	15.938	15.931	15.942	VV	2008	12500	0.15%	0.002%
290	15.946	15.942	15.955	VV	2054	16247	0.20%	0.003%
291	15.970	15.955	15.982	VV	2316	34301	0.42%	0.006%
292	15.988	15.982	15.991	VV	2325	12460	0.15%	0.002%
293	16.001	15.991	16.044	VV	2419	68097	0.83%	0.013%
294	16.050	16.044	16.056	VV	1749	12088	0.15%	0.002%
295	16.061	16.056	16.070	VV	1752	14252	0.17%	0.003%
296	16.089	16.070	16.110	VV	1931	40030	0.49%	0.007%
297	16.126	16.110	16.153	VV	1571	38279	0.47%	0.007%
298	16.169	16.153	16.174	VV	1448	16733	0.20%	0.003%
299	16.185	16.174	16.205	VV	1539	25917	0.32%	0.005%

Instrument :
FID_G
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EX-1-TPH-3DL

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rteres

300	16.223	16.205	16.242	VV	1457	29486	0.36%	0.005%
301	16.254	16.242	16.260	VV	1245	12969		
302	16.274	16.260	16.307	VV	1718	37124		
303	16.326	16.307	16.345	VV	1110	23514		
304	16.361	16.345	16.398	VV	1153	28467		
305	16.419	16.398	16.423	VV	772	10124		
306	16.457	16.423	16.482	VV	1262	34003	0.42%	0.006%
307	16.496	16.482	16.505	VV	947	12334	0.15%	0.002%
308	16.512	16.505	16.532	VV	796	11890	0.15%	0.002%
309	16.556	16.532	16.577	VV	834	20055	0.25%	0.004%
310	16.601	16.577	16.627	VV	780	19877	0.24%	0.004%
311	16.656	16.627	16.690	VV	960	25597	0.31%	0.005%
312	16.708	16.690	16.714	VV	468	5579	0.07%	0.001%
313	16.736	16.714	16.743	VV	1068	14050	0.17%	0.003%
314	16.755	16.743	16.787	VV	1237	22568	0.28%	0.004%
315	16.793	16.787	16.798	VV	401	2347	0.03%	0.000%
316	16.806	16.798	16.812	VV	421	3236	0.04%	0.001%
317	16.840	16.812	16.880	VV	965	21216	0.26%	0.004%
318	16.887	16.880	16.909	VV	401	6041	0.07%	0.001%
319	16.913	16.909	16.958	VV	412	8141	0.10%	0.002%
320	16.972	16.958	17.000	VV	358	6744	0.08%	0.001%
321	17.011	17.000	17.015	VV	296	1991	0.02%	0.000%
322	17.021	17.015	17.026	VV	352	2005	0.02%	0.000%
323	17.055	17.026	17.092	VV	750	15569	0.19%	0.003%
324	17.115	17.092	17.157	VV	793	14882	0.18%	0.003%
325	17.190	17.157	17.201	VV	436	8337	0.10%	0.002%
326	17.223	17.201	17.255	VV	1287	21708	0.27%	0.004%
327	17.277	17.255	17.299	VV	1002	14538	0.18%	0.003%
328	17.327	17.309	17.337	VV	267	2625	0.03%	0.000%
329	17.346	17.337	17.352	VV	192	1478	0.02%	0.000%
330	17.358	17.352	17.364	VV	242	1216	0.01%	0.000%
331	17.432	17.392	17.439	VV	114	1814	0.02%	0.000%
332	17.477	17.439	17.498	PV	315	6187	0.08%	0.001%
333	17.502	17.498	17.510	VV	167	1101	0.01%	0.000%
334	17.516	17.510	17.545	VV	246	2767	0.03%	0.001%
335	17.566	17.545	17.574	VV	197	2345	0.03%	0.000%
336	17.589	17.582	17.594	VV	160	1012	0.01%	0.000%
337	17.617	17.594	17.630	VV	315	4543	0.06%	0.001%
338	17.644	17.630	17.652	VV	262	2723	0.03%	0.001%
339	17.677	17.652	17.702	VV	1403	19814	0.24%	0.004%
340	17.758	17.725	17.767	VV	138	1982	0.02%	0.000%
341	17.780	17.767	17.784	VV	282	1938	0.02%	0.000%
342	17.791	17.784	17.808	VV	256	2189	0.03%	0.000%
343	17.845	17.820	17.866	VV	264	3907	0.05%	0.001%
344	17.874	17.866	17.889	VV	151	1259	0.02%	0.000%
345	17.907	17.889	17.921	VV	194	1610	0.02%	0.000%
346	17.953	17.938	17.985	VV	187	2442	0.03%	0.000%
347	18.010	17.985	18.021	PV	106	1144	0.01%	0.000%
348	18.049	18.021	18.054	VV	124	1860	0.02%	0.000%
349	18.113	18.054	18.144	VV	2156	34182	0.42%	0.006%
350	18.161	18.144	18.167	VV	198	1766	0.02%	0.000%
351	18.199	18.167	18.229	VV	424	8117	0.10%	0.002%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL

rteres
Sum of corrected areas: 540516879

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Aromatic EPH 102124.M Mon Nov 04 01:20:18 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-3DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-03DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.9	
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
FE050947.D	100	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	218		44.7	117	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	875		28.2	78.3	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	648		35.3	117	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	94.0	U	94.0	156	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	211	U	211	235	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:	P4599-03DL2	Acq On:	31 Oct 2024 17:03
Client Sample ID:	EX-1-TPH-3DL2	Operator:	YP\AJ
Data file:	FE050947.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	3985855	27.893	300	ug/ml
Aliphatic C12-C16	6.762	10.193	16220124	111.772	200	ug/ml
Aliphatic C16-C21	10.194	13.552	11954879	82.789	300	ug/ml
Aliphatic C21-C28	13.553	17.208	592184	4.166	400	ug/ml
Aliphatic C28-C40	17.209	22.054	0	0	600	ug/ml
Aliphatic EPH	3.144	22.054	32753042	226.619		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	3.144	17.208	32753042	226.62	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050947.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 17:03
Operator : YP\AJ
Sample : P4599-03DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:43:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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.

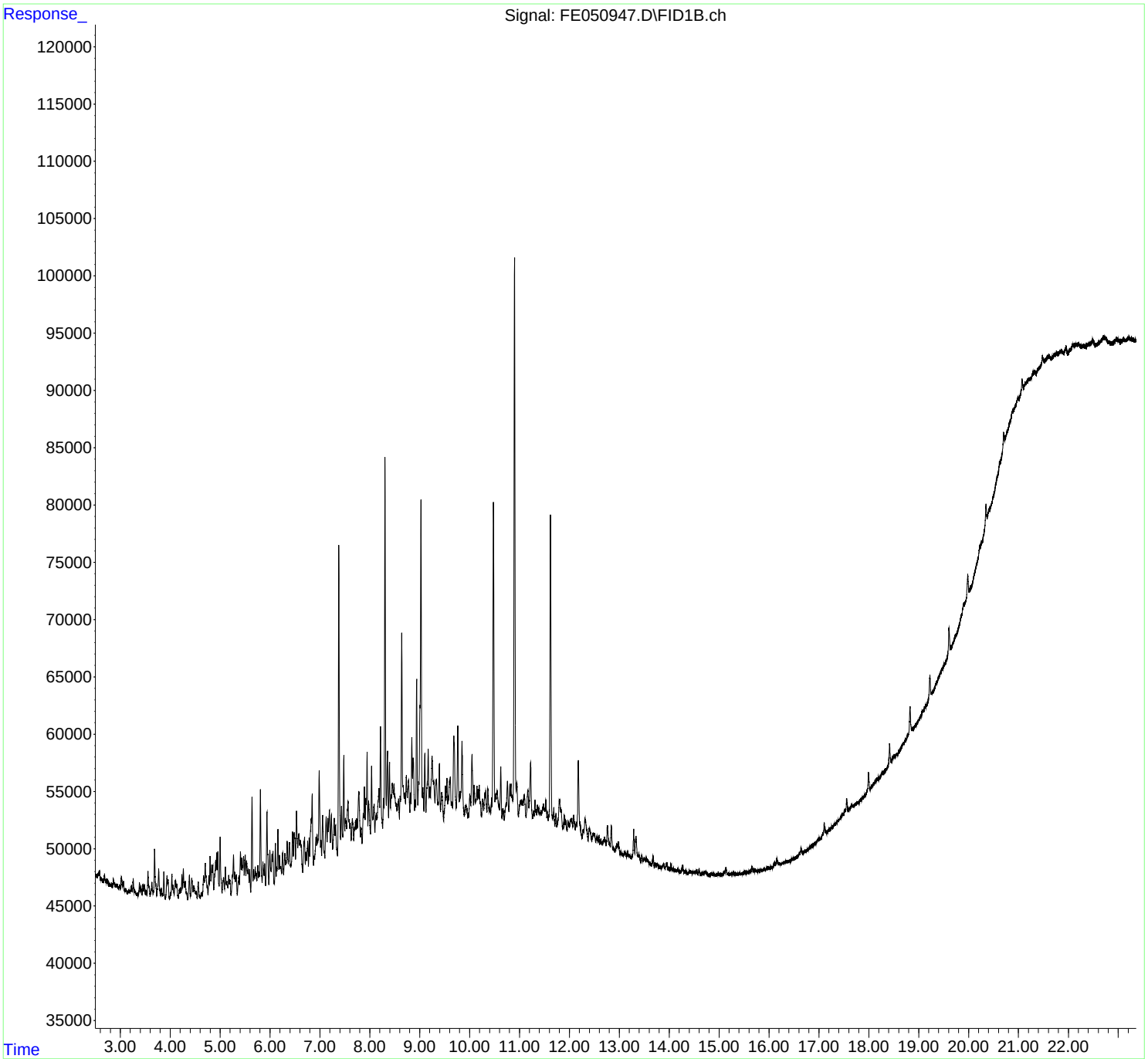
Quantitation Report (QT Reviewed)

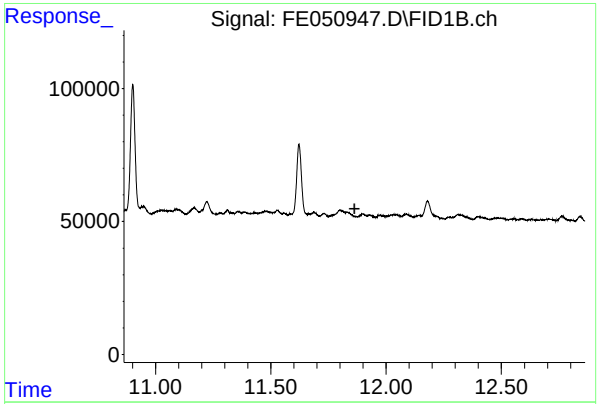
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050947.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 17:03
Operator : YP\AJ
Sample : P4599-03DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:43:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

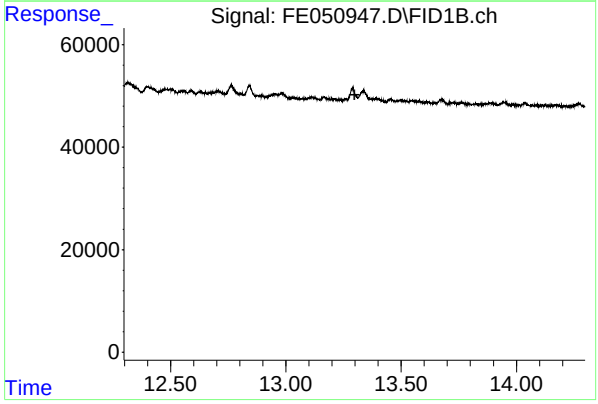




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-3DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.298 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050947.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 17:03
Sample : P4599-03DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.223	3.205	3.241	PH	451	4368	0.48%	0.013%
2	3.259	3.241	3.279	PV	1099	10948	1.21%	0.033%
3	3.288	3.279	3.331	VV	250	2975	0.33%	0.009%
4	3.384	3.331	3.400	PV	1069	14186	1.57%	0.043%
5	3.413	3.400	3.432	VV	846	9556	1.06%	0.029%
6	3.454	3.432	3.471	VV	942	13314	1.47%	0.041%
7	3.484	3.471	3.505	VV	913	11572	1.28%	0.035%
8	3.522	3.505	3.535	VV	436	5123	0.57%	0.016%
9	3.555	3.535	3.596	VV	2087	32884	3.64%	0.100%
10	3.633	3.596	3.668	VV	1213	25761	2.85%	0.079%
11	3.687	3.668	3.731	VV	4153	62290	6.90%	0.190%
12	3.770	3.731	3.803	VV	2365	46475	5.15%	0.142%
13	3.823	3.803	3.851	VV	758	13695	1.52%	0.042%
14	3.873	3.851	3.899	VV	2269	24006	2.66%	0.073%
15	3.936	3.899	3.949	PV	1922	27928	3.09%	0.085%
16	3.956	3.949	3.985	VV	1589	18339	2.03%	0.056%
17	4.033	3.985	4.080	PV	2088	44310	4.91%	0.135%
18	4.102	4.080	4.125	VV	1576	29857	3.31%	0.091%
19	4.131	4.125	4.162	VV	1304	14495	1.60%	0.044%
20	4.183	4.162	4.193	VV	876	10143	1.12%	0.031%
21	4.205	4.193	4.217	VV	951	10976	1.22%	0.034%
22	4.234	4.217	4.247	VV	2053	24062	2.66%	0.073%
23	4.263	4.247	4.281	VV	2610	35745	3.96%	0.109%
24	4.302	4.281	4.349	VV	1457	31880	3.53%	0.097%
25	4.384	4.349	4.407	PV	2126	29000	3.21%	0.089%
26	4.433	4.407	4.457	VV	1762	31906	3.53%	0.097%
27	4.473	4.457	4.514	VV	1095	25736	2.85%	0.079%
28	4.524	4.514	4.540	VV	659	6508	0.72%	0.020%
29	4.562	4.540	4.608	VV	1415	21203	2.35%	0.065%
30	4.621	4.608	4.633	VV	477	4951	0.55%	0.015%
31	4.639	4.633	4.648	VV	318	2819	0.31%	0.009%
32	4.670	4.648	4.684	VV	1839	28793	3.19%	0.088%
33	4.702	4.684	4.758	VV	2964	70591	7.82%	0.216%
34	4.775	4.758	4.784	VV	1960	20405	2.26%	0.062%
35	4.800	4.784	4.816	VV	3636	45862	5.08%	0.140%
36	4.833	4.816	4.844	VV	2860	38092	4.22%	0.116%

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37	4.853	4.844	4.873	VV	2720	33478	3.71%	0.102%
38	4.931	4.873	4.942	VV	3851	102272	11.32%	0.312%
39	4.954	4.942	4.981	VV	4036	54781	6.07%	0.167%
40	5.001	4.981	5.040	VV	5247	81410	9.01%	0.249%
41	5.069	5.040	5.087	VV	1703	34586	3.83%	0.106%
42	5.106	5.087	5.125	VV	2640	37967	4.20%	0.116%
43	5.134	5.125	5.154	VV	1358	19954	2.21%	0.061%
44	5.173	5.154	5.188	VV	1932	28258	3.13%	0.086%
45	5.197	5.188	5.219	VV	1430	17550	1.94%	0.054%
46	5.269	5.219	5.305	VV	3674	93043	10.30%	0.284%
47	5.323	5.305	5.345	VV	1820	31630	3.50%	0.097%
48	5.375	5.345	5.387	VV	1775	29667	3.28%	0.091%
49	5.409	5.387	5.421	VV	3929	54486	6.03%	0.166%
50	5.432	5.421	5.445	VV	3366	39594	4.38%	0.121%
51	5.469	5.445	5.484	VV	3467	65669	7.27%	0.200%
52	5.503	5.484	5.518	VV	3634	56130	6.21%	0.171%
53	5.531	5.518	5.557	VV	3091	58461	6.47%	0.178%
54	5.567	5.557	5.582	VV	2372	29498	3.27%	0.090%
55	5.595	5.582	5.613	VV	2296	27574	3.05%	0.084%
56	5.640	5.613	5.660	VV	8719	108977	12.07%	0.333%
57	5.673	5.660	5.687	VV	2227	30430	3.37%	0.093%
58	5.705	5.687	5.735	VV	2514	54323	6.01%	0.166%
59	5.757	5.735	5.770	VV	2624	42133	4.66%	0.129%
60	5.808	5.770	5.842	VV	9223	154832	17.14%	0.473%
61	5.860	5.842	5.880	VV	2846	49696	5.50%	0.152%
62	5.893	5.880	5.912	VV	2747	36496	4.04%	0.111%
63	5.939	5.912	5.976	VV	7338	134023	14.84%	0.409%
64	5.998	5.976	6.024	VV	3943	73847	8.18%	0.225%
65	6.059	6.024	6.081	VV	3780	93821	10.39%	0.286%
66	6.109	6.081	6.124	VV	4517	63160	6.99%	0.193%
67	6.135	6.124	6.141	VV	2462	21266	2.35%	0.065%
68	6.159	6.141	6.178	VV	5649	83795	9.28%	0.256%
69	6.191	6.178	6.230	VV	3360	79471	8.80%	0.243%
70	6.251	6.230	6.275	VV	3606	69747	7.72%	0.213%
71	6.297	6.275	6.311	VV	3615	63947	7.08%	0.195%
72	6.345	6.311	6.368	VV	4616	112989	12.51%	0.345%
73	6.390	6.368	6.425	VV	4557	113329	12.55%	0.346%
74	6.453	6.425	6.469	VV	5424	107107	11.86%	0.327%
75	6.485	6.469	6.513	VV	5347	116806	12.93%	0.357%
76	6.532	6.513	6.557	VV	7249	140153	15.52%	0.428%
77	6.579	6.557	6.595	VV	5249	107588	11.91%	0.328%
78	6.608	6.595	6.657	VV	4636	136324	15.09%	0.416%
79	6.691	6.657	6.708	VV	4945	114880	12.72%	0.351%
80	6.720	6.708	6.732	VV	3548	46233	5.12%	0.141%
81	6.755	6.732	6.771	VV	4444	83720	9.27%	0.256%
82	6.785	6.771	6.796	VV	4813	56819	6.29%	0.173%
83	6.845	6.796	6.873	VV	8595	249976	27.68%	0.763%
84	6.921	6.873	6.931	VV	4898	127646	14.13%	0.390%
85	6.944	6.931	6.958	VV	5042	75968	8.41%	0.232%
86	6.986	6.958	7.036	VV	10477	278565	30.84%	0.851%
87	7.055	7.036	7.098	VV	6744	173905	19.25%	0.531%
88	7.126	7.098	7.145	VV	6583	146843	16.26%	0.448%
89	7.160	7.145	7.170	VV	6444	84293	9.33%	0.257%

90	7.190	7.170	7.210	VV	7218	144582	16.01%	0.441%
91	7.230	7.210	7.261	VV	6821	159441	17.65%	0.487%
92	7.287	7.261	7.302	VV	6503	130146	14.41%	0.397%
93	7.314	7.302	7.352	VV	5869	137857	15.26%	0.421%
94	7.380	7.352	7.415	VV	30108	462934	51.25%	1.413%
95	7.434	7.415	7.455	VV	7426	143730	15.91%	0.439%
96	7.479	7.455	7.498	VV	11837	202209	22.39%	0.617%
97	7.511	7.498	7.535	VV	6359	133980	14.83%	0.409%
98	7.564	7.535	7.599	VV	7873	254729	28.20%	0.778%
99	7.609	7.599	7.628	VV	5919	94162	10.43%	0.287%
100	7.652	7.628	7.678	VV	6300	163314	18.08%	0.499%
101	7.714	7.678	7.725	VV	6224	155171	17.18%	0.474%
102	7.737	7.725	7.751	VV	6167	91998	10.19%	0.281%
103	7.781	7.751	7.812	VV	8676	253247	28.04%	0.773%
104	7.825	7.812	7.847	VV	5573	104370	11.56%	0.319%
105	7.892	7.847	7.908	VV	9083	243157	26.92%	0.742%
106	7.946	7.908	7.964	VV	11946	281245	31.14%	0.859%
107	7.979	7.964	8.013	VV	7830	195131	21.60%	0.596%
108	8.037	8.013	8.058	VV	10864	203904	22.58%	0.623%
109	8.085	8.058	8.102	VV	7504	176242	19.51%	0.538%
110	8.126	8.102	8.138	VV	6528	132746	14.70%	0.405%
111	8.185	8.138	8.197	VV	8807	265801	29.43%	0.812%
112	8.216	8.197	8.257	VV	14236	316565	35.05%	0.967%
113	8.306	8.257	8.331	VV	37486	626287	69.34%	1.912%
114	8.355	8.331	8.377	VV	12064	255795	28.32%	0.781%
115	8.395	8.377	8.416	VV	11037	199685	22.11%	0.610%
116	8.453	8.416	8.471	VV	9263	282586	31.29%	0.863%
117	8.484	8.471	8.548	VV	9106	363477	40.24%	1.110%
118	8.575	8.548	8.595	VV	7853	203812	22.57%	0.622%
119	8.641	8.595	8.687	VV	22248	602384	66.69%	1.839%
120	8.697	8.687	8.714	VV	8383	130190	14.41%	0.397%
121	8.733	8.714	8.752	VV	9919	197558	21.87%	0.603%
122	8.777	8.752	8.802	VV	9479	256490	28.40%	0.783%
123	8.844	8.802	8.858	VV	13123	309899	34.31%	0.946%
124	8.872	8.858	8.898	VV	11384	237171	26.26%	0.724%
125	8.939	8.898	8.963	VV	18272	405818	44.93%	1.239%
126	9.027	8.963	9.053	VV	33877	810129	89.69%	2.473%
127	9.065	9.053	9.084	VV	8705	148683	16.46%	0.454%
128	9.103	9.084	9.126	VV	11675	228179	25.26%	0.697%
129	9.171	9.126	9.191	VV	12087	359070	39.75%	1.096%
130	9.204	9.191	9.216	VV	8723	127200	14.08%	0.388%
131	9.249	9.216	9.306	VV	11508	505148	55.93%	1.542%
132	9.337	9.306	9.373	VV	9479	337100	37.32%	1.029%
133	9.395	9.373	9.419	VV	10804	237060	26.25%	0.724%
134	9.442	9.419	9.481	VV	8268	275324	30.48%	0.841%
135	9.516	9.481	9.529	VV	8822	212197	23.49%	0.648%
136	9.547	9.529	9.564	VV	9516	180566	19.99%	0.551%
137	9.613	9.564	9.656	VV	9556	451264	49.96%	1.378%
138	9.686	9.656	9.738	VV	13164	463832	51.35%	1.416%
139	9.765	9.738	9.793	VV	14038	330697	36.61%	1.010%
140	9.806	9.793	9.818	VV	8166	118234	13.09%	0.361%
141	9.849	9.818	9.895	VV	12719	402138	44.52%	1.228%

142	9.927	9.895	9.962	VV	7136	270969	30.00%	0.827%
143	9.972	9.962	9.983	VV	6428	77640	8.60%	0.237%
144	10.006	9.983	10.023	VV	7998	173335	19.19%	0.529%
145	10.049	10.023	10.079	VV	11447	306520	33.94%	0.936%
146	10.094	10.079	10.114	VV	8744	168372	18.64%	0.514%
147	10.148	10.114	10.161	VV	8670	222732	24.66%	0.680%
148	10.172	10.161	10.183	VV	8378	101907	11.28%	0.311%
149	10.195	10.183	10.236	VV	8723	240961	26.68%	0.736%
150	10.265	10.236	10.281	VV	7524	186722	20.67%	0.570%
151	10.323	10.281	10.345	VV	8295	289429	32.04%	0.884%
152	10.367	10.345	10.398	VV	8363	228336	25.28%	0.697%
153	10.407	10.398	10.423	VV	6769	98705	10.93%	0.301%
154	10.441	10.423	10.450	VV	7511	115256	12.76%	0.352%
155	10.479	10.450	10.509	VV	33484	605649	67.05%	1.849%
156	10.522	10.509	10.535	VV	7899	118519	13.12%	0.362%
157	10.551	10.535	10.602	VV	8239	302240	33.46%	0.923%
158	10.626	10.602	10.651	VV	10270	232338	25.72%	0.709%
159	10.668	10.651	10.697	VV	6588	169606	18.78%	0.518%
160	10.760	10.697	10.788	VV	9053	394151	43.64%	1.203%
161	10.808	10.788	10.819	VV	8627	142129	15.74%	0.434%
162	10.831	10.819	10.871	VV	8673	247789	27.43%	0.757%
163	10.902	10.871	10.933	VV	54597	903223	100.00%	2.758%
164	10.946	10.933	10.981	VV	8778	219799	24.34%	0.671%
165	11.030	10.981	11.070	VV	7327	370750	41.05%	1.132%
166	11.090	11.070	11.133	VV	7717	264549	29.29%	0.808%
167	11.168	11.133	11.190	VV	8181	246040	27.24%	0.751%
168	11.223	11.190	11.263	VV	10586	336956	37.31%	1.029%
169	11.281	11.263	11.291	VV	6239	102711	11.37%	0.314%
170	11.311	11.291	11.341	VV	7245	195353	21.63%	0.596%
171	11.359	11.341	11.374	VV	6757	127504	14.12%	0.389%
172	11.386	11.374	11.413	VV	6581	147417	16.32%	0.450%
173	11.430	11.413	11.445	VV	6308	120074	13.29%	0.367%
174	11.479	11.445	11.510	VV	6891	254238	28.15%	0.776%
175	11.529	11.510	11.548	VV	7222	150416	16.65%	0.459%
176	11.557	11.548	11.575	VV	6140	94985	10.52%	0.290%
177	11.622	11.575	11.671	VV	32195	697901	77.27%	2.131%
178	11.687	11.671	11.711	VV	6434	138762	15.36%	0.424%
179	11.731	11.711	11.750	VV	5948	127706	14.14%	0.390%
180	11.801	11.750	11.871	VV	7185	430477	47.66%	1.314%
181	11.898	11.871	11.917	VV	5815	145083	16.06%	0.443%
182	11.928	11.917	11.954	VV	5319	109360	12.11%	0.334%
183	11.974	11.954	12.001	VV	5326	142283	15.75%	0.434%
184	12.043	12.001	12.071	VV	5498	219179	24.27%	0.669%
185	12.088	12.071	12.119	VV	5761	149874	16.59%	0.458%
186	12.142	12.119	12.155	VV	5200	105151	11.64%	0.321%
187	12.179	12.155	12.253	VV	10552	361276	40.00%	1.103%
188	12.274	12.253	12.288	VV	4480	89505	9.91%	0.273%
189	12.312	12.288	12.378	VV	5461	250521	27.74%	0.765%
190	12.399	12.378	12.447	VV	4637	173587	19.22%	0.530%
191	12.473	12.447	12.528	VV	4131	190743	21.12%	0.582%
192	12.555	12.528	12.573	VV	3850	98359	10.89%	0.300%
193	12.589	12.573	12.610	VV	3835	78439	8.68%	0.239%
194	12.631	12.610	12.660	VV	3593	101217	11.21%	0.309%

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195	12.705	12.660	12.738	VV	3720	162050	17.94%	0.495%
196	12.763	12.738	12.821	VV	4719	181990	20.15%	0.556%
197	12.842	12.821	12.908	VV	4744	169348	18.75%	0.517%
198	12.952	12.908	12.967	VV	3154	101139	11.20%	0.309%
199	12.983	12.967	13.021	VV	3263	90606	10.03%	0.277%
200	13.035	13.021	13.085	VV	2404	84993	9.41%	0.259%
201	13.114	13.085	13.146	VV	2446	83494	9.24%	0.255%
202	13.166	13.146	13.206	VV	2431	77371	8.57%	0.236%
203	13.210	13.206	13.241	VV	2088	41841	4.63%	0.128%
204	13.289	13.241	13.312	VV	4154	113263	12.54%	0.346%
205	13.336	13.312	13.370	VV	3679	97862	10.83%	0.299%
206	13.392	13.370	13.434	VV	2181	72087	7.98%	0.220%
207	13.452	13.434	13.476	VV	1980	43966	4.87%	0.134%
208	13.499	13.476	13.535	VV	1816	58483	6.47%	0.179%
209	13.547	13.535	13.600	VV	1718	61118	6.77%	0.187%
210	13.616	13.600	13.641	VV	1409	31640	3.50%	0.097%
211	13.674	13.641	13.702	VV	1930	53190	5.89%	0.162%
212	13.723	13.702	13.743	VV	1300	28930	3.20%	0.088%
213	13.762	13.743	13.781	VV	1274	25991	2.88%	0.079%
214	13.791	13.781	13.815	VV	1039	18906	2.09%	0.058%
215	13.822	13.815	13.848	VV	977	18804	2.08%	0.057%
216	13.888	13.848	13.919	VV	1165	42572	4.71%	0.130%
217	13.948	13.919	13.978	VV	1280	35583	3.94%	0.109%
218	13.986	13.978	14.015	VV	862	17278	1.91%	0.053%
219	14.037	14.015	14.105	VV	1157	41385	4.58%	0.126%
220	14.123	14.105	14.141	VV	696	13309	1.47%	0.041%
221	14.168	14.141	14.222	VV	774	27437	3.04%	0.084%
222	14.270	14.222	14.318	VV	999	33882	3.75%	0.103%
223	14.331	14.318	14.377	VV	569	14278	1.58%	0.044%
224	14.424	14.377	14.442	VV	481	15388	1.70%	0.047%
225	14.449	14.442	14.496	VV	441	12044	1.33%	0.037%
226	14.507	14.496	14.517	VV	375	4412	0.49%	0.013%
227	14.549	14.517	14.578	VV	540	13538	1.50%	0.041%
228	14.598	14.578	14.639	VV	591	12203	1.35%	0.037%
229	14.667	14.639	14.688	VV	331	6452	0.71%	0.020%
230	14.727	14.688	14.782	VV	418	13603	1.51%	0.042%
231	14.813	14.782	14.820	VV	100	1523	0.17%	0.005%
232	14.832	14.820	14.862	VV	147	3197	0.35%	0.010%
233	14.882	14.862	14.945	VV	205	4687	0.52%	0.014%
234	14.987	14.945	15.008	VV	197	3455	0.38%	0.011%
235	15.019	15.008	15.038	VV	75	1286	0.14%	0.004%
236	15.044	15.038	15.055	VV	108	680	0.08%	0.002%
237	15.095	15.055	15.111	VV	305	4976	0.55%	0.015%
238	15.135	15.111	15.263	VV	632	16423	1.82%	0.050%
239	15.287	15.263	15.365	VV	198	5165	0.57%	0.016%
240	15.376	15.365	15.381	PV	77	423	0.05%	0.001%
241	15.410	15.381	15.435	VV	114	1706	0.19%	0.005%
242	15.524	15.435	15.537	PV	164	4099	0.45%	0.013%
243	15.553	15.537	15.591	VV	179	3051	0.34%	0.009%
244	15.658	15.591	15.688	VV	518	12704	1.41%	0.039%
245	15.725	15.688	15.765	VV	253	5848	0.65%	0.018%
246	15.797	15.765	15.807	VV	113	1928	0.21%	0.006%

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247	15.839	15.807	15.865	PV	106	2151	0.24%	0.007%
248	15.911	15.865	15.929	VV	146	2643	0.29%	0.008%
249	15.964	15.929	16.004	VV	202	4734	0.52%	0.014%
250	16.019	16.004	16.034	VV	118	1624	0.18%	0.005%
251	16.047	16.034	16.070	VV	121	1782	0.20%	0.005%
252	16.123	16.070	16.131	PV	363	8023	0.89%	0.024%
253	16.158	16.131	16.208	VV	661	15032	1.66%	0.046%
254	16.222	16.208	16.237	VV	116	1849	0.20%	0.006%
255	16.262	16.237	16.283	VV	146	2370	0.26%	0.007%

Sum of corrected areas: 32753035

Aliphatic EPH 100824.M Fri Nov 01 09:06:41 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-3DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-03DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.9	
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
FG014603.D	50	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	67.2		17.6	39.2	mg/kg
Aromatic C12-C16	Aromatic C12-C16	493		20.0	58.8	mg/kg
Aromatic C16-C21	Aromatic C16-C21	950		56.4	97.9	mg/kg
Aromatic C21-C36	Aromatic C21-C36	117	U	117	156	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	3.24		40 - 140	324%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	2.88		40 - 140	288%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.88		40 - 140	88%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4599-03DL2	Acq On:	31 Oct 2024 11:23
Client Sample ID:	EX-1-TPH-3DL2	Operator:	YP\AJ
Data file:	FG014603.D	Misc:	
Instrument:	FID_G	ALS Vial:	39
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	2391602	17.145	200	ug/ml
Aromatic C12-C16	6.386	9.086	18320509	125.955	300	ug/ml
Aromatic C16-C21	9.087	13.404	35126828	242.543	500	ug/ml
Aromatic C21-C36	13.405	18.847	848432	5.969	800	ug/ml
Aromatic EPH	4.516	18.847	56687371	391.612		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	407304	3.24		ug/ml
2-Flurobiphenyl (SURR)	8.882	8.882	248142	2.88		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	130264	0.88		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014603.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 11:23
Operator : YP\AJ
Sample : P4599-03DL2 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:25:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	407304	3.245 ug/mlm
Spiked Amount 50.000		Recovery =	6.49%
6) S 2-Flurobiphenyl (SURR)	8.882	248142	2.881 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	5.76%
11) S ortho-Terphenyl (SURR)	11.954	130264	0.880 ug/mlm
Spiked Amount 50.000		Recovery =	1.76%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014603.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 11:23
Operator : YP\AJ
Sample : P4599-03DL2 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

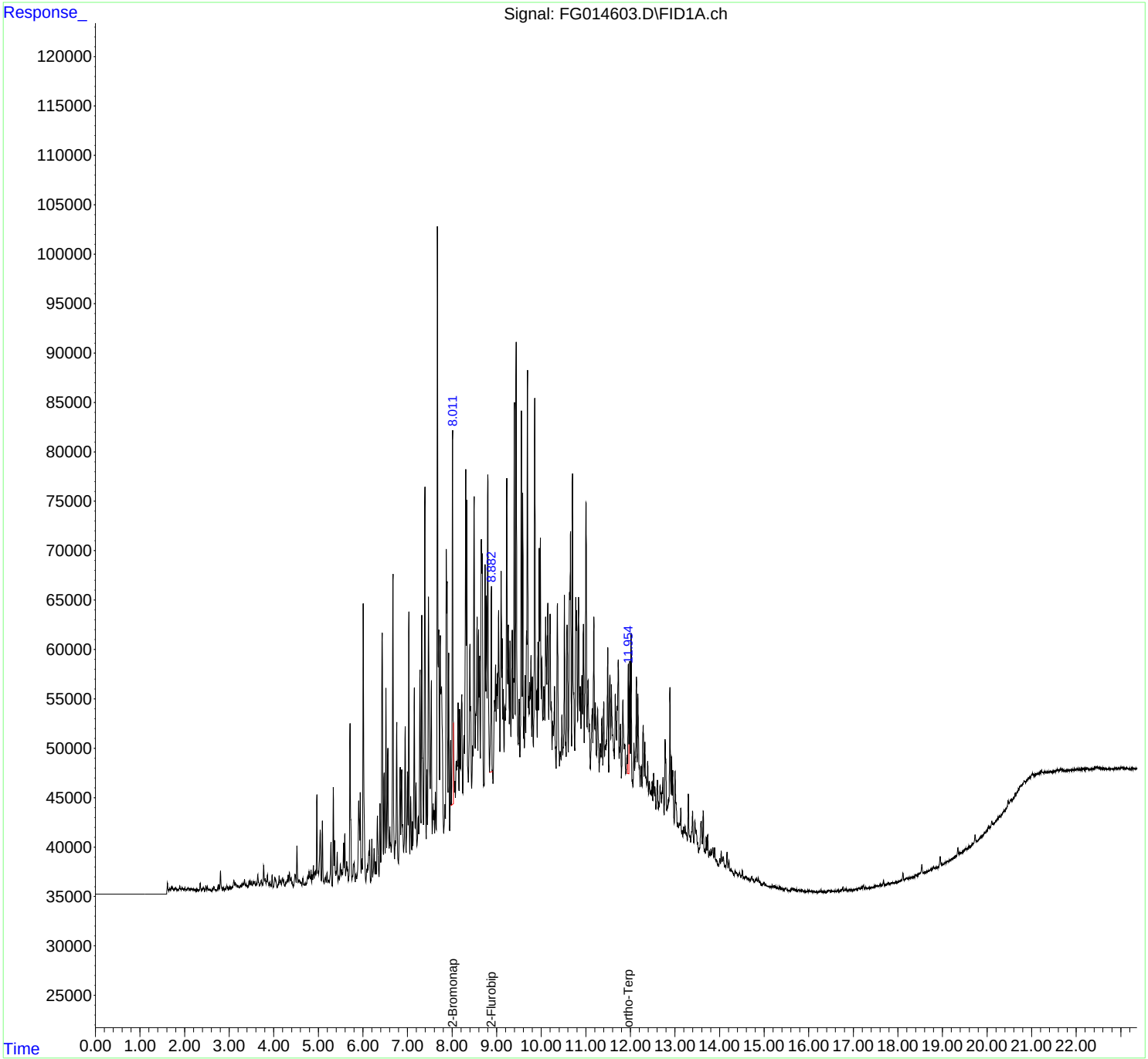
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

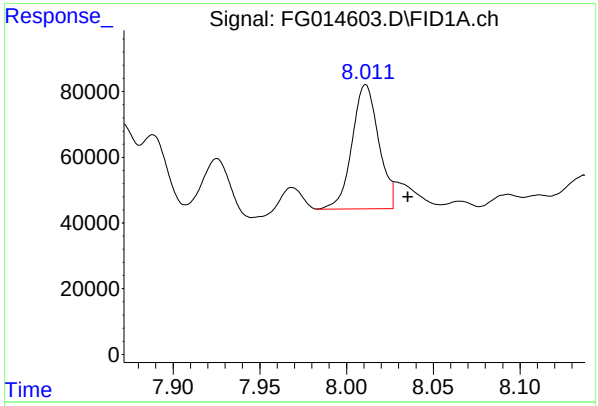
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:25:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





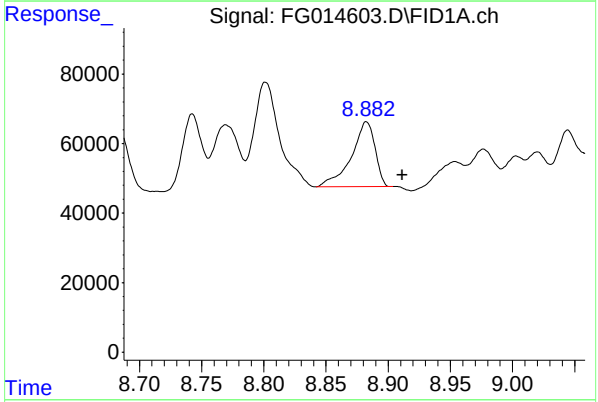
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.025 mi
Response: 407304
Conc: 3.24 ug/m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

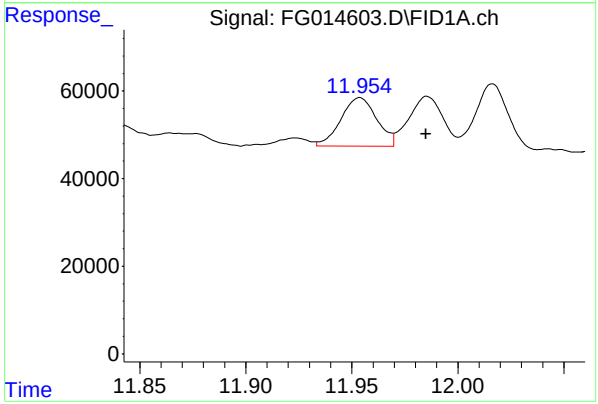
Manual Integrations
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.882 min
Delta R.T.: -0.029 min
Response: 248142
Conc: 2.88 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.031 min
Response: 130264
Conc: 0.88 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014603.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 11:23
Sample : P4599-03DL2 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.277	4.250	4.284	BV	401	4674	0.44%	0.008%
2	4.298	4.284	4.308	VV	618	7028	0.67%	0.012%
3	4.323	4.308	4.336	VV	1141	13179	1.25%	0.023%
4	4.352	4.336	4.372	VV	1441	20639	1.96%	0.036%
5	4.390	4.372	4.410	VV	902	14795	1.40%	0.026%
6	4.417	4.410	4.435	VV	399	3508	0.33%	0.006%
7	4.477	4.443	4.502	VV	1246	25313	2.40%	0.044%
8	4.521	4.502	4.547	VV	4128	48633	4.61%	0.084%
9	4.566	4.547	4.607	VV	688	18066	1.71%	0.031%
10	4.613	4.607	4.632	VV	419	4567	0.43%	0.008%
11	4.652	4.632	4.679	VV	843	12200	1.16%	0.021%
12	4.687	4.679	4.695	VV	184	1386	0.13%	0.002%
13	4.710	4.695	4.721	VV	271	3026	0.29%	0.005%
14	4.763	4.721	4.777	VV	1051	20820	1.97%	0.036%
15	4.793	4.777	4.824	VV	1552	30340	2.87%	0.052%
16	4.837	4.824	4.851	VV	1652	18598	1.76%	0.032%
17	4.864	4.851	4.874	VV	1200	11903	1.13%	0.021%
18	4.889	4.874	4.908	VV	2108	27249	2.58%	0.047%
19	4.922	4.908	4.934	VV	1488	19321	1.83%	0.033%
20	4.944	4.934	4.951	VV	1652	14858	1.41%	0.026%
21	4.968	4.951	4.988	VV	9297	99690	9.45%	0.172%
22	4.998	4.988	5.009	VV	1579	17672	1.67%	0.031%
23	5.043	5.009	5.069	VV	5707	104535	9.90%	0.181%
24	5.092	5.069	5.131	VV	6624	81678	7.74%	0.141%
25	5.157	5.131	5.177	VV	890	17782	1.68%	0.031%
26	5.195	5.177	5.216	VV	1372	18893	1.79%	0.033%
27	5.228	5.216	5.246	VV	606	9334	0.88%	0.016%
28	5.283	5.246	5.313	VV	4480	60640	5.75%	0.105%
29	5.338	5.313	5.353	PV	9998	103039	9.76%	0.178%
30	5.366	5.353	5.392	VV	4638	58868	5.58%	0.102%
31	5.402	5.392	5.409	VV	1501	13447	1.27%	0.023%
32	5.424	5.409	5.442	VV	3423	38854	3.68%	0.067%
33	5.458	5.442	5.475	VV	960	14401	1.36%	0.025%
34	5.495	5.475	5.511	VV	2151	31957	3.03%	0.055%
35	5.523	5.511	5.546	VV	1608	25958	2.46%	0.045%
36	5.567	5.546	5.580	VV	4288	53000	5.02%	0.092%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

37	5.595	5.580	5.612	VV	5219	59205	5.61%	0.102%
38	5.638	5.612	5.651	VV	2363	38733	3	
39	5.658	5.651	5.675	VV	1602	16011	1	
40	5.711	5.675	5.754	VV	16233	241082	22	
41	5.791	5.754	5.796	VV	2090	29457	2	
42	5.805	5.796	5.828	VV	2204	26670	2	
43	5.847	5.828	5.862	VV	999	14139	1.34%	0.024%
44	5.906	5.862	5.930	VV	8367	164456	15.58%	0.284%
45	5.942	5.930	5.962	VV	9213	97514	9.24%	0.168%
46	5.976	5.962	5.988	VV	2549	29042	2.75%	0.050%
47	6.008	5.988	6.066	VV	28215	401203	38.01%	0.693%
48	6.087	6.066	6.097	VV	1406	15840	1.50%	0.027%
49	6.109	6.097	6.118	VV	1769	18491	1.75%	0.032%
50	6.132	6.118	6.140	VV	3219	32813	3.11%	0.057%
51	6.150	6.140	6.172	VV	4364	45145	4.28%	0.078%
52	6.284	6.271	6.301	PV	1300	11403	1.08%	0.020%
53	6.325	6.301	6.363	VV	6036	90960	8.62%	0.157%
54	6.384	6.363	6.402	PV	7386	78723	7.46%	0.136%
55	6.433	6.402	6.459	VV	24603	392376	37.18%	0.678%
56	6.476	6.459	6.500	VV	10475	148430	14.06%	0.256%
57	6.518	6.500	6.535	VV	19040	197493	18.71%	0.341%
58	6.560	6.535	6.590	VV	12957	214894	20.36%	0.371%
59	6.605	6.590	6.618	VV	5016	63348	6.00%	0.109%
60	6.674	6.636	6.712	VV	30505	451250	42.76%	0.780%
61	6.759	6.734	6.797	VV	15509	232208	22.00%	0.401%
62	6.837	6.797	6.851	VV	10966	187172	17.73%	0.323%
63	6.871	6.851	6.888	VV	10685	169750	16.08%	0.293%
64	6.949	6.913	6.968	VV	15030	227108	21.52%	0.392%
65	7.002	6.968	7.015	VV	10464	171537	16.25%	0.296%
66	7.032	7.015	7.052	VV	26653	285742	27.07%	0.494%
67	7.111	7.097	7.123	VV	5398	61758	5.85%	0.107%
68	7.154	7.123	7.174	VV	18890	286776	27.17%	0.495%
69	7.192	7.174	7.213	VV	9277	140360	13.30%	0.243%
70	7.240	7.213	7.254	VV	5797	105548	10.00%	0.182%
71	7.281	7.254	7.302	VV	20688	325754	30.87%	0.563%
72	7.321	7.302	7.361	VV	26182	464388	44.00%	0.802%
73	7.390	7.361	7.421	VV	39140	631065	59.79%	1.090%
74	7.436	7.421	7.450	VV	10542	128797	12.20%	0.223%
75	7.472	7.450	7.511	VV	28008	566697	53.70%	0.979%
76	7.535	7.511	7.556	VV	19539	327078	30.99%	0.565%
77	7.575	7.556	7.589	VV	7059	113560	10.76%	0.196%
78	7.673	7.645	7.690	VV	65081	791743	75.02%	1.368%
79	7.701	7.690	7.719	VV	24595	336577	31.89%	0.582%
80	7.735	7.719	7.747	VV	24064	306905	29.08%	0.530%
81	7.765	7.759	7.814	VV	18841	392917	37.23%	0.679%
82	7.841	7.814	7.852	VV	6935	125956	11.93%	0.218%
83	7.872	7.852	7.881	VV	32704	367427	34.81%	0.635%
84	7.888	7.881	7.907	VV	29490	331721	31.43%	0.573%
85	7.925	7.907	7.946	VV	22225	304716	28.87%	0.526%
86	7.969	7.946	7.984	VV	13393	191149	18.11%	0.330%
87	8.011	7.984	8.055	VV	44694	774907	73.42%	1.339%
88	8.093	8.077	8.102	VV	11280	151893	14.39%	0.262%
89	8.137	8.117	8.155	VV	17143	298232	28.26%	0.515%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

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Manual IntegrationsAPPROVED

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90	8.172	8.155	8.189	VV	16486	260967	24.73%	0.451%
91	8.217	8.189	8.241	VV	17942	420948	39	
92	8.269	8.241	8.279	VV	13797	264438	25	
93	8.308	8.279	8.320	VV	40711	629432	59	
94	8.331	8.320	8.366	VV	37660	544062	51	
95	8.401	8.366	8.440	VV	23015	654020	61	
96	8.464	8.440	8.471	VV	12725	194177	18.40%	0.336%
97	8.538	8.519	8.542	VV	15929	206380	19.55%	0.357%
98	8.562	8.542	8.580	VV	25729	444502	42.12%	0.768%
99	8.594	8.580	8.606	VV	24422	298556	28.29%	0.516%
100	8.616	8.606	8.635	VV	21746	306720	29.06%	0.530%
101	8.657	8.635	8.670	VV	33504	545560	51.69%	0.943%
102	8.678	8.670	8.718	VV	32060	539673	51.14%	0.932%
103	8.743	8.718	8.756	VV	30981	434827	41.20%	0.751%
104	8.801	8.785	8.842	VV	40016	766174	72.60%	1.324%
105	8.883	8.842	8.919	VV	28722	704771	66.78%	1.218%
106	8.954	8.919	8.962	VV	17192	352532	33.40%	0.609%
107	8.977	8.962	8.991	VV	20756	312042	29.57%	0.539%
108	9.003	8.991	9.010	VV	18699	199498	18.90%	0.345%
109	9.020	9.010	9.031	VV	19924	225131	21.33%	0.389%
110	9.044	9.031	9.075	VV	26210	523774	49.63%	0.905%
111	9.102	9.075	9.116	VV	30212	508249	48.16%	0.878%
112	9.126	9.116	9.140	VV	23375	296816	28.12%	0.513%
113	9.151	9.140	9.166	VV	18208	242849	23.01%	0.420%
114	9.182	9.166	9.194	VV	16527	249934	23.68%	0.432%
115	9.228	9.194	9.248	VV	39591	778934	73.81%	1.346%
116	9.261	9.248	9.285	VV	24698	457028	43.30%	0.790%
117	9.301	9.285	9.320	VV	23127	379705	35.98%	0.656%
118	9.351	9.320	9.366	VV	24152	512953	48.60%	0.886%
119	9.398	9.366	9.414	VV	47138	762064	72.21%	1.317%
120	9.438	9.414	9.481	VV	53255	1055386	100.00%	1.824%
121	9.505	9.481	9.522	VV	17214	356791	33.81%	0.616%
122	9.555	9.522	9.571	VV	46339	736311	69.77%	1.272%
123	9.586	9.571	9.603	VV	37987	489598	46.39%	0.846%
124	9.612	9.603	9.623	VV	15299	167022	15.83%	0.289%
125	9.638	9.623	9.654	VV	19467	295029	27.95%	0.510%
126	9.670	9.654	9.675	VV	24006	255723	24.23%	0.442%
127	9.692	9.675	9.711	VV	50296	694940	65.85%	1.201%
128	9.718	9.711	9.728	VV	17356	170952	16.20%	0.295%
129	9.741	9.728	9.751	VV	18798	239849	22.73%	0.414%
130	9.772	9.751	9.789	VV	21517	410919	38.94%	0.710%
131	9.802	9.789	9.824	VV	19317	330496	31.32%	0.571%
132	9.855	9.824	9.887	VV	47491	959140	90.88%	1.657%
133	9.897	9.887	9.911	VV	17880	230780	21.87%	0.399%
134	9.927	9.911	9.940	VV	22818	326607	30.95%	0.564%
135	9.956	9.940	9.968	VV	32279	424769	40.25%	0.734%
136	9.981	9.968	10.000	VV	33313	493585	46.77%	0.853%
137	10.015	10.000	10.035	VV	21182	383494	36.34%	0.663%
138	10.059	10.035	10.082	VV	18253	473246	44.84%	0.818%
139	10.101	10.082	10.125	VV	25310	535719	50.76%	0.926%
140	10.150	10.125	10.169	VV	26705	570682	54.07%	0.986%
141	10.198	10.169	10.219	VV	25584	620259	58.77%	1.072%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/04/2024

rteres

142	10.258	10.246	10.276	VV	14763	247454	23.45%	0.428%
143	10.298	10.276	10.334	VV	18270	487615	46	
144	10.363	10.334	10.411	VV	26612	744197	70	
145	10.426	10.411	10.446	VV	11587	227217	21	
146	10.465	10.446	10.481	VV	15274	278238	26	
147	10.522	10.481	10.542	VV	27409	585685	55	
148	10.582	10.560	10.608	VV	24418	515750	48.87%	0.891%
149	10.636	10.608	10.643	VV	27626	434131	41.13%	0.750%
150	10.657	10.643	10.682	VV	33804	567890	53.81%	0.981%
151	10.701	10.682	10.753	VV	39649	888866	84.22%	1.536%
152	10.776	10.753	10.786	VV	27071	405245	38.40%	0.700%
153	10.838	10.816	10.864	VV	27133	576655	54.64%	0.996%
154	10.877	10.864	10.892	VV	18100	279733	26.51%	0.483%
155	10.914	10.892	10.929	VV	19198	370991	35.15%	0.641%
156	10.947	10.929	10.966	VV	24311	412907	39.12%	0.713%
157	11.005	10.966	11.029	VV	36636	844615	80.03%	1.459%
158	11.050	11.029	11.073	VV	18684	429921	40.74%	0.743%
159	11.082	11.073	11.101	VV	14266	210540	19.95%	0.364%
160	11.144	11.101	11.159	VV	15737	454707	43.08%	0.786%
161	11.180	11.159	11.201	VV	25069	447853	42.43%	0.774%
162	11.215	11.201	11.245	VV	16312	355141	33.65%	0.614%
163	11.264	11.245	11.302	VV	15705	438885	41.59%	0.758%
164	11.325	11.302	11.341	VV	12216	261692	24.80%	0.452%
165	11.361	11.341	11.381	VV	14742	294879	27.94%	0.509%
166	11.403	11.381	11.420	VV	16348	316095	29.95%	0.546%
167	11.438	11.420	11.448	VV	11984	194191	18.40%	0.336%
168	11.492	11.448	11.513	VV	21914	573485	54.34%	0.991%
169	11.540	11.513	11.559	VV	19068	426006	40.36%	0.736%
170	11.576	11.559	11.623	VV	18120	546199	51.75%	0.944%
171	11.661	11.640	11.690	VV	17108	430779	40.82%	0.744%
172	11.705	11.690	11.711	VV	15860	182936	17.33%	0.316%
173	11.728	11.711	11.749	VV	20606	372862	35.33%	0.644%
174	11.778	11.762	11.799	VV	14064	258294	24.47%	0.446%
175	11.833	11.799	11.856	VV	16479	434206	41.14%	0.750%
176	11.864	11.856	11.898	VV	11997	271867	25.76%	0.470%
177	11.954	11.933	11.970	VV	20092	325342	30.83%	0.562%
178	12.016	12.001	12.057	VV	23220	432111	40.94%	0.747%
179	12.081	12.057	12.095	VV	12062	234637	22.23%	0.405%
180	12.134	12.095	12.151	VV	18772	429624	40.71%	0.742%
181	12.168	12.151	12.196	VV	16996	347708	32.95%	0.601%
182	12.200	12.196	12.219	VV	9772	120209	11.39%	0.208%
183	12.242	12.219	12.260	VV	9676	212997	20.18%	0.368%
184	12.286	12.260	12.308	VV	13821	314455	29.80%	0.543%
185	12.325	12.308	12.367	VV	12089	332862	31.54%	0.575%
186	12.388	12.367	12.406	VV	10143	198658	18.82%	0.343%
187	12.425	12.406	12.445	VV	8036	169085	16.02%	0.292%
188	12.464	12.445	12.472	VV	7122	114650	10.86%	0.198%
189	12.486	12.472	12.503	VV	8006	133826	12.68%	0.231%
190	12.522	12.503	12.542	VV	8878	175405	16.62%	0.303%
191	12.552	12.542	12.571	VV	7484	115967	10.99%	0.200%
192	12.606	12.571	12.625	VV	8155	213799	20.26%	0.369%
193	12.636	12.625	12.647	VV	5860	72810	6.90%	0.126%
194	12.666	12.647	12.697	VV	7607	198057	18.77%	0.342%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	12.732	12.697	12.756	VV	8400	236387	22.40%	0.408%
196	12.778	12.756	12.815	VV	12240	296801	28	
197	12.829	12.815	12.837	VV	5485	70056	6	
198	12.887	12.864	12.907	VV	17467	282597	26	
199	12.923	12.907	12.938	VV	10455	153834	14	
200	12.951	12.938	12.983	VV	9070	170637	16	
201	13.002	12.983	13.051	VV	8932	236752	22.43%	0.409%
202	13.064	13.051	13.078	VV	3692	57216	5.42%	0.099%
203	13.101	13.078	13.109	VV	3655	63808	6.05%	0.110%
204	13.129	13.109	13.151	VV	5175	99388	9.42%	0.172%
205	13.162	13.151	13.175	VV	2921	38786	3.68%	0.067%
206	13.193	13.175	13.210	VV	3296	61118	5.79%	0.106%
207	13.227	13.210	13.242	VV	3357	56134	5.32%	0.097%
208	13.251	13.242	13.277	VV	2686	49955	4.73%	0.086%
209	13.299	13.277	13.330	VV	6578	115863	10.98%	0.200%
210	13.337	13.330	13.354	VV	2357	28927	2.74%	0.050%
211	13.394	13.354	13.421	VV	4844	114153	10.82%	0.197%
212	13.447	13.421	13.467	VV	3814	78852	7.47%	0.136%
213	13.476	13.467	13.527	VV	2885	65429	6.20%	0.113%
214	13.583	13.527	13.612	VV	3724	101743	9.64%	0.176%
215	13.633	13.612	13.656	VV	4785	71055	6.73%	0.123%
216	13.668	13.656	13.684	VV	827	11353	1.08%	0.020%
217	13.699	13.684	13.715	VV	2105	25764	2.44%	0.045%
218	13.731	13.715	13.757	VV	2268	31403	2.98%	0.054%
219	13.777	13.757	13.790	VV	661	7872	0.75%	0.014%
220	13.806	13.790	13.826	VV	919	11503	1.09%	0.020%
221	13.850	13.826	13.870	VV	1001	15182	1.44%	0.026%
222	13.889	13.870	13.900	PBA	766	6753	0.64%	0.012%
223	14.006	13.980	14.022	PV	886	13669	1.30%	0.024%
224	14.038	14.022	14.055	VV	1719	21705	2.06%	0.038%
225	14.081	14.055	14.113	VV	1270	29625	2.81%	0.051%
226	14.124	14.113	14.139	VV	540	6537	0.62%	0.011%
227	14.167	14.139	14.190	VV	1983	30222	2.86%	0.052%
228	14.209	14.190	14.234	VV	1261	18298	1.73%	0.032%
229	14.252	14.234	14.265	VV	439	6893	0.65%	0.012%
230	14.271	14.265	14.327	VV	443	8730	0.83%	0.015%
231	14.346	14.327	14.351	PV	556	4404	0.42%	0.008%
232	14.356	14.351	14.375	VV	550	5893	0.56%	0.010%
233	14.383	14.375	14.419	VV	408	6607	0.63%	0.011%
234	14.444	14.419	14.480	VV	531	11483	1.09%	0.020%
235	14.511	14.480	14.535	VV	777	12838	1.22%	0.022%
236	14.545	14.535	14.564	VV	235	2742	0.26%	0.005%
237	14.581	14.564	14.594	VV	317	4089	0.39%	0.007%
238	14.600	14.594	14.654	VV	347	7653	0.73%	0.013%
239	14.662	14.654	14.686	VV	261	2761	0.26%	0.005%
240	14.723	14.686	14.743	VV	568	10831	1.03%	0.019%
241	14.751	14.743	14.785	VV	301	3930	0.37%	0.007%
242	14.808	14.785	14.815	VV	347	4580	0.43%	0.008%
243	14.833	14.815	14.852	VV	589	9073	0.86%	0.016%
244	14.869	14.852	14.885	VV	653	8467	0.80%	0.015%
245	14.899	14.885	14.950	VV	338	6357	0.60%	0.011%
246	14.959	14.950	14.970	PV	133	1032	0.10%	0.002%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
247	14.991	14.970	15.017	VV	372	6468	0.61%	0.011%
248	15.035	15.017	15.055	VV	270	3672		
249	15.061	15.055	15.104	VV	132	1909		
250	15.180	15.168	15.201	VV	364	3422		
251	15.217	15.201	15.240	VV	299	3965		
252	15.252	15.240	15.273	VV	247	3297		
253	15.295	15.290	15.319	VV	214	1690	0.16%	0.003%
254	15.337	15.319	15.353	VV	298	3534	0.33%	0.006%
255	15.361	15.353	15.367	VV	179	1234	0.12%	0.002%
256	15.372	15.367	15.385	VV	164	1434	0.14%	0.002%
257	15.390	15.385	15.454	VV	152	3514	0.33%	0.006%
258	15.491	15.454	15.530	VV	274	5371	0.51%	0.009%
259	15.632	15.599	15.656	VV	281	6645	0.63%	0.011%
260	15.676	15.656	15.684	VV	260	3310	0.31%	0.006%
261	15.689	15.684	15.722	VV	241	2909	0.28%	0.005%
262	15.771	15.736	15.794	PV	195	3589	0.34%	0.006%
263	15.810	15.794	15.824	VV	164	1970	0.19%	0.003%
264	15.856	15.842	15.873	VV	205	2422	0.23%	0.004%
265	15.896	15.873	15.924	VV	102	1844	0.17%	0.003%
266	15.976	15.949	15.981	VV	129	1420	0.13%	0.002%
267	15.990	15.981	16.010	VV	131	1739	0.16%	0.003%
268	16.064	16.049	16.090	VV	196	2848	0.27%	0.005%
269	16.099	16.090	16.118	VV	127	1446	0.14%	0.002%
270	16.133	16.118	16.140	VV	126	1042	0.10%	0.002%
271	16.165	16.157	16.180	VV	134	1364	0.13%	0.002%
272	16.223	16.201	16.231	PV	145	1535	0.15%	0.003%
273	16.242	16.239	16.257	VV	132	1004	0.10%	0.002%
274	16.274	16.257	16.303	VV	261	3876	0.37%	0.007%
275	16.324	16.312	16.338	PV	125	1203	0.11%	0.002%
276	16.367	16.352	16.405	VV	145	1815	0.17%	0.003%
277	16.429	16.405	16.443	VV	170	2928	0.28%	0.005%
278	16.455	16.443	16.480	VV	225	3577	0.34%	0.006%
279	16.515	16.510	16.535	VV	117	1173	0.11%	0.002%
280	16.636	16.619	16.644	VV	141	1522	0.14%	0.003%
281	16.658	16.644	16.676	VV	201	2293	0.22%	0.004%
282	16.736	16.715	16.742	VV	205	2441	0.23%	0.004%
283	16.757	16.742	16.765	VV	303	3465	0.33%	0.006%
284	16.769	16.765	16.781	VV	512	1880	0.18%	0.003%
285	16.807	16.781	16.825	VV	215	3622	0.34%	0.006%
286	16.834	16.825	16.865	VV	271	3906	0.37%	0.007%
287	16.871	16.865	16.887	VV	117	1222	0.12%	0.002%
288	16.911	16.887	16.929	VV	143	2320	0.22%	0.004%
289	16.945	16.939	16.960	VV	135	1061	0.10%	0.002%
290	17.016	16.993	17.022	PV	156	1555	0.15%	0.003%
291	17.039	17.032	17.050	VV	127	1319	0.12%	0.002%
292	17.054	17.050	17.092	VV	165	2433	0.23%	0.004%
293	17.121	17.092	17.126	VV	257	3189	0.30%	0.006%
294	17.138	17.134	17.156	VV	188	1575	0.15%	0.003%
295	17.177	17.156	17.183	VV	190	2291	0.22%	0.004%
296	17.190	17.183	17.195	VV	234	1224	0.12%	0.002%
297	17.227	17.195	17.253	VV	445	7975	0.76%	0.014%
298	17.275	17.253	17.309	VV	225	3467	0.33%	0.006%
299	17.334	17.309	17.345	VV	121	1367	0.13%	0.002%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-3DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
300	17.407	17.375	17.423	VV	109	1698	0.16%	0.003%
301	17.457	17.443	17.475	VV	94	1064		
302	17.504	17.484	17.512	VV	198	2038		
303	17.519	17.512	17.527	VV	155	1161		
304	17.552	17.527	17.558	VV	129	1834		
305	17.590	17.558	17.602	VV	158	2522		
306	17.645	17.628	17.651	VV	151	1270	0.12%	0.002%
307	17.677	17.651	17.704	VV	581	8507	0.81%	0.015%
308	17.784	17.775	17.811	VV	215	2678	0.25%	0.005%
309	17.857	17.835	17.870	VV	160	2537	0.24%	0.004%
310	17.884	17.870	17.894	VV	133	1439	0.14%	0.002%
311	18.068	18.040	18.080	VV	104	1451	0.14%	0.003%
312	18.113	18.080	18.142	VV	800	11882	1.13%	0.021%
313	18.206	18.165	18.222	VV	157	3727	0.35%	0.006%
			Sum of corrected areas:			57876768		

Aromatic EPH 102124.M Mon Nov 04 03:19:45 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-4			SDG No.:	P4599
Lab Sample ID:	P4599-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.4
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/30/24 08:20	10/31/24 17:34	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	197		10	4.40	11.6	mg/kg	FE050948.D
Aliphatic C12-C16	Aliphatic C12-C16	711		50	13.9	38.6	mg/kg	FE050949.D
Aliphatic C16-C21	Aliphatic C16-C21	404		50	17.4	57.9	mg/kg	FE050949.D
Aliphatic C21-C28	Aliphatic C21-C28	22.7		1	0.93	1.54	mg/kg	FE050925.D
Aliphatic C28-C40	Aliphatic C28-C40	5.45		1	2.08	2.31	mg/kg	FE050925.D
Aromatic C10-C12	Aromatic C10-C12	97.8		25	8.68	19.3	mg/kg	FG014605.D
Aromatic C12-C16	Aromatic C12-C16	480		25	9.83	28.9	mg/kg	FG014605.D
Aromatic C16-C21	Aromatic C16-C21	807		25	27.8	48.2	mg/kg	FG014605.D
Aromatic C21-C36	Aromatic C21-C36	29.8		1	2.31	3.09	mg/kg	FG014580.D
Total AliphaticEPH	Total AliphaticEPH	1340			38.7	112	mg/kg	
Total AromaticEPH	Total AromaticEPH	1410			48.6	99.5	mg/kg	
Total EPH	Total EPH	2750			87.3	211	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:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-4		SDG No.:	P4599	
Lab Sample ID:	P4599-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.4	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050925.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	165	E	0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	557	E	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	319	E	0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	22.7		0.93	1.54	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.45		2.08	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.3		40 - 140	57%	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:	P4599-04	Acq On:	31 Oct 2024 05:30
Client Sample ID:	EX-1-TPH-4	Operator:	YP\AJ
Data file:	FE050925.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	305942504	2140	300	ug/ml
Aliphatic C12-C16	6.763	10.194	1047967140	7220	200	ug/ml
Aliphatic C16-C21	10.195	13.554	597503021	4140	300	ug/ml
Aliphatic C21-C28	13.555	17.208	41868654	294.528	400	ug/ml
Aliphatic C28-C40	17.209	22.057	9772738	70.662	600	ug/ml
Aliphatic EPH	3.144	22.057	2003054057	13900		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	3350420	28.32		ug/ml
Aliphatic C9-C28	3.144	17.208	1993281319	13800	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050925.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:30
Operator : YP\AJ
Sample : P4599-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4

Integration File: autoint1.e
Quant Time: Oct 31 07:45:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.294	3350420	28.323 ug/ml
Spiked Amount 50.000		Recovery = 56.65%	
Target Compounds			

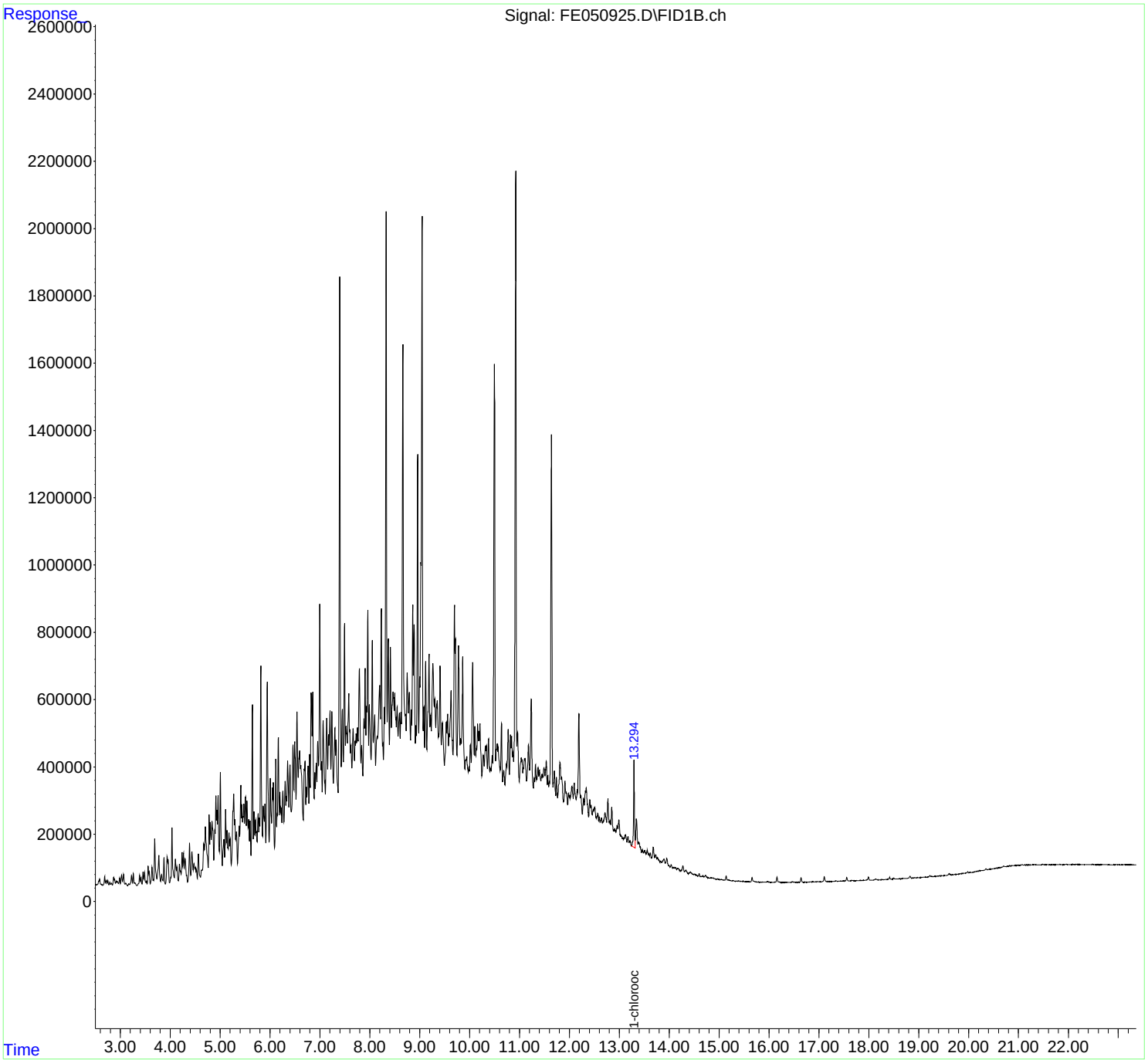
(f)=RT Delta > 1/2 Window (m)=manual int.

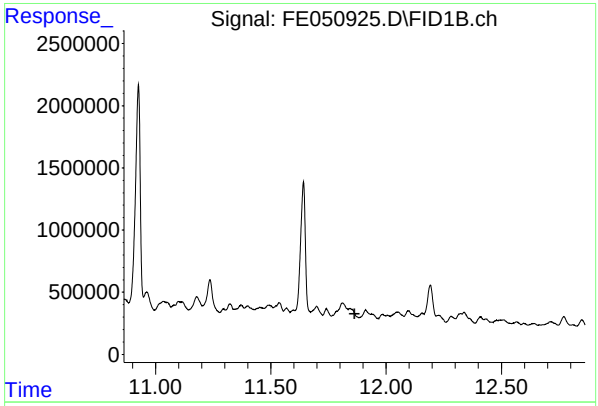
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050925.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:30
Operator : YP\AJ
Sample : P4599-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4

Integration File: autoint1.e
Quant Time: Oct 31 07:45:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

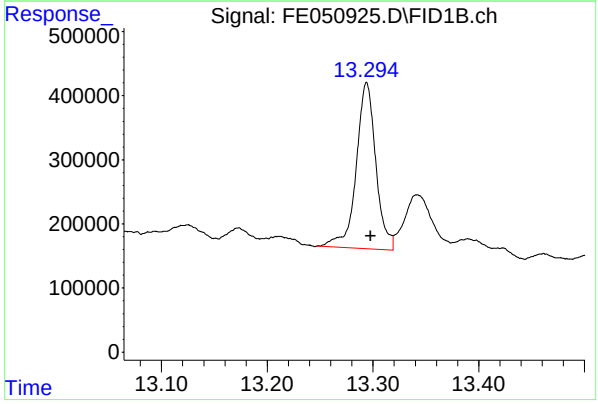




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: -0.004 min
Response: 3350420
Conc: 28.32 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050925.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:30
Sample : P4599-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.584	2.524	2.621	BV	17998	353226	0.71%	0.018%
2	2.630	2.621	2.650	VV	2372	24297	0.05%	0.001%
3	2.686	2.650	2.702	PV	26671	304834	0.61%	0.015%
4	2.719	2.702	2.734	VV	15127	210663	0.42%	0.010%
5	2.748	2.734	2.771	VV	15261	184531	0.37%	0.009%
6	2.789	2.771	2.806	VV	9400	105673	0.21%	0.005%
7	2.824	2.806	2.842	VV	6313	85261	0.17%	0.004%
8	2.865	2.842	2.903	VV	24497	483847	0.97%	0.024%
9	2.918	2.903	2.927	VV	12067	138889	0.28%	0.007%
10	2.938	2.927	2.962	VV	12565	192724	0.39%	0.010%
11	2.985	2.962	3.001	VV	21904	288697	0.58%	0.014%
12	3.026	3.001	3.043	VV	30744	496067	0.99%	0.025%
13	3.066	3.043	3.098	VV	33728	532474	1.07%	0.026%
14	3.111	3.098	3.143	VV	6847	98341	0.20%	0.005%
15	3.169	3.143	3.186	PV	6019	73442	0.15%	0.004%
16	3.224	3.186	3.244	VV	29963	477919	0.96%	0.024%
17	3.261	3.244	3.281	VV	36609	442310	0.89%	0.022%
18	3.293	3.281	3.334	VV	8437	147890	0.30%	0.007%
19	3.386	3.334	3.402	PV	30905	440156	0.88%	0.022%
20	3.414	3.402	3.435	VV	24337	301466	0.60%	0.015%
21	3.455	3.435	3.470	VV	41102	503564	1.01%	0.025%
22	3.486	3.470	3.512	VV	39453	583565	1.17%	0.029%
23	3.524	3.512	3.537	VV	14294	162684	0.33%	0.008%
24	3.558	3.537	3.600	VV	58231	1151481	2.31%	0.057%
25	3.635	3.600	3.667	VV	54860	1027863	2.06%	0.051%
26	3.690	3.667	3.732	VV	138316	2227864	4.47%	0.111%
27	3.772	3.732	3.807	VV	89746	1941648	3.89%	0.096%
28	3.827	3.807	3.858	VV	33001	665564	1.33%	0.033%
29	3.875	3.858	3.903	VV	83382	940170	1.89%	0.047%
30	3.939	3.903	3.949	VV	86187	1237185	2.48%	0.061%
31	3.957	3.949	3.987	VV	78596	1027606	2.06%	0.051%
32	4.036	3.987	4.082	VV	170369	2866021	5.75%	0.142%
33	4.104	4.082	4.124	VV	78653	1336656	2.68%	0.066%
34	4.134	4.124	4.162	VV	55351	815518	1.64%	0.040%
35	4.186	4.162	4.218	VV	64125	1362204	2.73%	0.068%
36	4.237	4.218	4.251	VV	97786	1304285	2.62%	0.065%

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37	4.266	4.251	4.281	VV	96424	1353532	2.71%	0.067%
38	4.299	4.281	4.349	VV	79375	1883819	3.78%	0.094%
39	4.388	4.349	4.414	VV	126439	2103220	4.22%	0.104%
40	4.435	4.414	4.461	VV	100604	1903060	3.82%	0.094%
41	4.477	4.461	4.496	VV	64625	1168454	2.34%	0.058%
42	4.505	4.496	4.543	VV	53476	1218929	2.44%	0.061%
43	4.565	4.543	4.606	VV	93645	1842124	3.69%	0.091%
44	4.672	4.606	4.686	VV	123978	3118286	6.25%	0.155%
45	4.705	4.686	4.761	VV	174911	5128482	10.29%	0.255%
46	4.780	4.761	4.792	VV	208485	2555980	5.13%	0.127%
47	4.805	4.792	4.823	VV	187684	2933316	5.88%	0.146%
48	4.839	4.823	4.874	VV	190693	4613887	9.25%	0.229%
49	4.916	4.874	4.946	VV	265724	7867154	15.78%	0.391%
50	4.959	4.946	4.984	VV	266090	4087238	8.20%	0.203%
51	5.005	4.984	5.043	VV	335360	5964017	11.96%	0.296%
52	5.075	5.043	5.092	VV	137122	3022503	6.06%	0.150%
53	5.111	5.092	5.127	VV	224802	3362826	6.74%	0.167%
54	5.139	5.127	5.164	VV	162685	2884035	5.78%	0.143%
55	5.178	5.164	5.191	VV	156137	2162118	4.34%	0.107%
56	5.202	5.191	5.224	VV	137223	2062489	4.14%	0.102%
57	5.272	5.224	5.311	VV	270311	9128077	18.31%	0.453%
58	5.328	5.311	5.350	VV	158947	2947251	5.91%	0.146%
59	5.382	5.350	5.393	VV	175854	3399232	6.82%	0.169%
60	5.415	5.393	5.428	VV	295914	4732486	9.49%	0.235%
61	5.437	5.428	5.450	VV	239651	2825211	5.67%	0.140%
62	5.476	5.450	5.489	VV	239082	4833933	9.70%	0.240%
63	5.508	5.489	5.524	VV	262643	4727612	9.48%	0.235%
64	5.538	5.524	5.562	VV	251249	4779602	9.59%	0.237%
65	5.573	5.562	5.588	VV	196175	2650018	5.32%	0.132%
66	5.600	5.588	5.619	VV	192017	2769675	5.56%	0.137%
67	5.647	5.619	5.666	VV	535946	7948305	15.94%	0.395%
68	5.680	5.666	5.697	VV	219316	3260965	6.54%	0.162%
69	5.711	5.697	5.741	VV	194666	4240057	8.50%	0.210%
70	5.762	5.741	5.776	VV	212878	3755450	7.53%	0.186%
71	5.816	5.776	5.849	VV	647810	13012458	26.10%	0.646%
72	5.865	5.849	5.886	VV	235166	4350301	8.73%	0.216%
73	5.899	5.886	5.916	VV	240038	3598306	7.22%	0.179%
74	5.945	5.916	5.983	VV	602604	12706628	25.49%	0.631%
75	6.005	5.983	6.032	VV	317035	6533216	13.10%	0.324%
76	6.049	6.032	6.057	VV	288185	3611079	7.24%	0.179%
77	6.067	6.057	6.092	VV	305268	4555542	9.14%	0.226%
78	6.117	6.092	6.133	VV	374430	5637842	11.31%	0.280%
79	6.167	6.133	6.187	VV	437955	9049736	18.15%	0.449%
80	6.199	6.187	6.238	VV	275252	7045677	14.13%	0.350%
81	6.258	6.238	6.280	VV	279501	5750208	11.53%	0.285%
82	6.305	6.280	6.335	VV	308642	8444611	16.94%	0.419%
83	6.354	6.335	6.379	VV	367346	7923645	15.89%	0.393%
84	6.401	6.379	6.427	VV	356032	8070326	16.19%	0.401%
85	6.461	6.427	6.478	VV	414968	9479920	19.01%	0.471%
86	6.495	6.478	6.522	VV	425343	9298931	18.65%	0.462%
87	6.541	6.522	6.565	VV	514691	10122861	20.30%	0.502%
88	6.593	6.565	6.665	VV	399362	19415845	38.94%	0.964%
89	6.701	6.665	6.718	VV	367109	9524118	19.10%	0.473%

90	6.730	6.718	6.740	VV	288673	3540850	7.10%	0.176%
91	6.764	6.740	6.780	VV	354401	7465724	14.97%	0.371%
92	6.795	6.780	6.806	VV	387224	4931231	9.89%	0.245%
93	6.827	6.806	6.844	VV	566549	10878610	21.82%	0.540%
94	6.856	6.844	6.884	VV	566984	9801693	19.66%	0.487%
95	6.898	6.884	6.909	VV	333840	4523659	9.07%	0.225%
96	6.927	6.909	6.940	VV	361800	6230292	12.50%	0.309%
97	6.957	6.940	6.973	VV	426169	7540663	15.12%	0.374%
98	6.998	6.973	7.026	VV	831750	16482367	33.06%	0.818%
99	7.033	7.026	7.047	VV	367730	4208777	8.44%	0.209%
100	7.066	7.047	7.110	VV	488114	13823901	27.73%	0.686%
101	7.137	7.110	7.157	VV	494720	11286886	22.64%	0.560%
102	7.173	7.157	7.182	VV	445948	6270164	12.58%	0.311%
103	7.203	7.182	7.221	VV	515630	10323375	20.71%	0.512%
104	7.241	7.221	7.271	VV	514227	11961931	23.99%	0.594%
105	7.300	7.271	7.314	VV	466989	10221281	20.50%	0.507%
106	7.326	7.314	7.364	VV	430348	10677229	21.42%	0.530%
107	7.398	7.364	7.429	VV	1803054	30343100	60.86%	1.506%
108	7.450	7.429	7.471	VV	521979	11005467	22.07%	0.546%
109	7.494	7.471	7.513	VV	777146	13776625	27.63%	0.684%
110	7.526	7.513	7.550	VV	470567	10106446	20.27%	0.502%
111	7.579	7.550	7.612	VV	566068	17655909	35.41%	0.876%
112	7.622	7.612	7.642	VV	413736	6943883	13.93%	0.345%
113	7.666	7.642	7.693	VV	463924	12485209	25.04%	0.620%
114	7.727	7.693	7.737	VV	448184	11121949	22.31%	0.552%
115	7.752	7.737	7.766	VV	466781	7699321	15.44%	0.382%
116	7.791	7.766	7.823	VV	642352	17237322	34.57%	0.856%
117	7.837	7.823	7.860	VV	414171	8522418	17.09%	0.423%
118	7.907	7.860	7.923	VV	641656	17906839	35.92%	0.889%
119	7.961	7.923	7.978	VV	817078	19111932	38.33%	0.949%
120	7.991	7.978	8.026	VV	533125	13199283	26.47%	0.655%
121	8.051	8.026	8.071	VV	725291	14176502	28.43%	0.704%
122	8.098	8.071	8.118	VV	503217	12489333	25.05%	0.620%
123	8.197	8.118	8.212	VV	592257	26972879	54.10%	1.339%
124	8.232	8.212	8.274	VV	820497	20203087	40.52%	1.003%
125	8.328	8.274	8.350	VV	2002896	38060110	76.34%	1.889%
126	8.371	8.350	8.394	VV	729565	15721855	31.53%	0.780%
127	8.414	8.394	8.434	VV	704308	13223826	26.52%	0.656%
128	8.467	8.434	8.490	VV	571615	17936758	35.98%	0.890%
129	8.501	8.490	8.533	VV	567813	13408058	26.89%	0.666%
130	8.548	8.533	8.568	VV	527807	10321267	20.70%	0.512%
131	8.594	8.568	8.610	VV	509205	11847362	23.76%	0.588%
132	8.625	8.610	8.634	VV	512455	7018909	14.08%	0.348%
133	8.664	8.634	8.730	VV	1609916	42738144	85.72%	2.122%
134	8.750	8.730	8.773	VV	627397	14198419	28.48%	0.705%
135	8.792	8.773	8.817	VV	569985	13973037	28.03%	0.694%
136	8.862	8.817	8.874	VV	829190	19774767	39.66%	0.982%
137	8.889	8.874	8.915	VV	770434	15176701	30.44%	0.753%
138	8.960	8.915	8.982	VV	1280688	27101085	54.36%	1.345%
139	9.048	8.982	9.071	VV	1974985	48349954	96.98%	2.400%
140	9.083	9.071	9.100	VV	525764	8499230	17.05%	0.422%
141	9.120	9.100	9.143	VV	664256	13387794	26.85%	0.665%

142	9.188	9.143	9.207	VV	684019	20361906	40.84%	1.011%
143	9.219	9.207	9.233	VV	502356	7673995	15.39%	0.381%
144	9.266	9.233	9.291	VV	656207	19941306	40.00%	0.990%
145	9.303	9.291	9.323	VV	550722	10044963	20.15%	0.499%
146	9.352	9.323	9.378	VV	546365	16492984	33.08%	0.819%
147	9.411	9.378	9.435	VV	644488	17377319	34.85%	0.863%
148	9.456	9.435	9.497	VV	479926	15725233	31.54%	0.781%
149	9.534	9.497	9.545	VV	482417	12219895	24.51%	0.607%
150	9.561	9.545	9.578	VV	505015	9292022	18.64%	0.461%
151	9.629	9.578	9.668	VV	574818	25076547	50.30%	1.245%
152	9.698	9.668	9.747	VV	825291	27513953	55.19%	1.366%
153	9.779	9.747	9.810	VV	708911	19835439	39.78%	0.985%
154	9.820	9.810	9.832	VV	430738	5443610	10.92%	0.270%
155	9.862	9.832	9.906	VV	674270	20977205	42.07%	1.041%
156	9.941	9.906	9.974	VV	378415	14505059	29.09%	0.720%
157	9.986	9.974	9.998	VV	347236	4923170	9.87%	0.244%
158	10.016	9.998	10.034	VV	414227	8362644	16.77%	0.415%
159	10.062	10.034	10.093	VV	659522	17769259	35.64%	0.882%
160	10.107	10.093	10.125	VV	466874	8050726	16.15%	0.400%
161	10.163	10.125	10.195	VV	472196	18057342	36.22%	0.896%
162	10.208	10.195	10.248	VV	476010	12759205	25.59%	0.633%
163	10.276	10.248	10.295	VV	382598	10180065	20.42%	0.505%
164	10.336	10.295	10.359	VV	410812	14741839	29.57%	0.732%
165	10.380	10.359	10.408	VV	431037	11046068	22.16%	0.548%
166	10.417	10.408	10.431	VV	343266	4802478	9.63%	0.238%
167	10.454	10.431	10.463	VV	382238	6928410	13.90%	0.344%
168	10.499	10.463	10.524	VV	1538961	30671696	61.52%	1.523%
169	10.556	10.524	10.611	VV	417185	20145657	40.41%	1.000%
170	10.640	10.611	10.663	VV	478102	11882016	23.83%	0.590%
171	10.684	10.663	10.708	VV	337182	8493245	17.04%	0.422%
172	10.774	10.708	10.799	VV	458054	20014706	40.14%	0.994%
173	10.822	10.799	10.832	VV	442718	7601479	15.25%	0.377%
174	10.842	10.832	10.858	VV	437724	6544643	13.13%	0.325%
175	10.867	10.858	10.883	VV	391313	5725545	11.48%	0.284%
176	10.926	10.883	10.995	VV	2104005	49857582	100.00%	2.475%
177	11.035	10.995	11.068	VV	374371	15235823	30.56%	0.756%
178	11.101	11.068	11.144	VV	371365	15990352	32.07%	0.794%
179	11.179	11.144	11.204	VV	412976	12939102	25.95%	0.642%
180	11.236	11.204	11.279	VV	548166	17258641	34.62%	0.857%
181	11.295	11.279	11.303	VV	313757	4521515	9.07%	0.224%
182	11.323	11.303	11.341	VV	354005	7415210	14.87%	0.368%
183	11.371	11.341	11.386	VV	344843	8691639	17.43%	0.431%
184	11.400	11.386	11.428	VV	338249	8254571	16.56%	0.410%
185	11.453	11.428	11.474	VV	326006	8817800	17.69%	0.438%
186	11.491	11.474	11.511	VV	342571	7372643	14.79%	0.366%
187	11.537	11.511	11.556	VV	363038	8940988	17.93%	0.444%
188	11.568	11.556	11.585	VV	320856	5325425	10.68%	0.264%
189	11.641	11.585	11.673	VV	1333798	30093679	60.36%	1.494%
190	11.699	11.673	11.725	VV	334924	9397244	18.85%	0.466%
191	11.741	11.725	11.763	VV	313696	6480886	13.00%	0.322%
192	11.811	11.763	11.836	VV	360280	13661814	27.40%	0.678%
193	11.843	11.836	11.884	VV	315456	8155089	16.36%	0.405%
194	11.912	11.884	11.964	VV	304287	12944735	25.96%	0.643%

195	11.984	11.964	12.018	VV	269188	8193746	16.43%	0.407%
196	12.050	12.018	12.077	VV	287826	9667545	19.39%	0.480%
197	12.097	12.077	12.134	VV	297393	9343882	18.74%	0.464%
198	12.192	12.134	12.218	VV	504410	16607144	33.31%	0.824%
199	12.227	12.218	12.259	VV	260881	6040481	12.12%	0.300%
200	12.282	12.259	12.300	VV	252931	5665775	11.36%	0.281%
201	12.338	12.300	12.385	VV	284653	12794303	25.66%	0.635%
202	12.409	12.385	12.464	VV	249093	10564819	21.19%	0.524%
203	12.509	12.464	12.544	VV	225167	10158141	20.37%	0.504%
204	12.567	12.544	12.586	VV	208467	5036692	10.10%	0.250%
205	12.597	12.586	12.618	VV	195503	3612828	7.25%	0.179%
206	12.641	12.618	12.659	VV	194719	4628518	9.28%	0.230%
207	12.714	12.659	12.746	VV	209869	10051371	20.16%	0.499%
208	12.771	12.746	12.804	VV	252711	7367823	14.78%	0.366%
209	12.811	12.804	12.826	VV	185825	2329966	4.67%	0.116%
210	12.849	12.826	12.888	VV	225723	6956859	13.95%	0.345%
211	12.905	12.888	12.932	VV	162403	4096080	8.22%	0.203%
212	12.955	12.932	12.974	VV	171279	4209490	8.44%	0.209%
213	12.992	12.974	13.082	VV	188522	9683491	19.42%	0.481%
214	13.124	13.082	13.154	VV	144682	5863614	11.76%	0.291%
215	13.173	13.154	13.194	VV	139619	3138863	6.30%	0.156%
216	13.211	13.194	13.248	VV	126442	3843709	7.71%	0.191%
217	13.294	13.248	13.319	VV	366877	7962519	15.97%	0.395%
218	13.342	13.319	13.375	VV	191379	5149089	10.33%	0.256%
219	13.390	13.375	13.443	VV	122572	4481932	8.99%	0.222%
220	13.461	13.443	13.486	VV	99461	2446245	4.91%	0.121%
221	13.505	13.486	13.534	VV	97234	2678825	5.37%	0.133%
222	13.558	13.534	13.604	VV	97473	3726785	7.47%	0.185%
223	13.619	13.604	13.647	VV	90803	2138067	4.29%	0.106%
224	13.680	13.647	13.708	VV	107001	3226011	6.47%	0.160%
225	13.729	13.708	13.755	VV	84233	2234370	4.48%	0.111%
226	13.767	13.755	13.817	VV	75738	2591935	5.20%	0.129%
227	13.829	13.817	13.846	VV	65344	1101969	2.21%	0.055%
228	13.893	13.846	13.921	VV	72335	2971505	5.96%	0.148%
229	13.950	13.921	14.016	VV	73519	3370765	6.76%	0.167%
230	14.038	14.016	14.074	VV	54656	1721590	3.45%	0.085%
231	14.090	14.074	14.108	VV	46865	910565	1.83%	0.045%
232	14.124	14.108	14.144	VV	46763	989894	1.99%	0.049%
233	14.163	14.144	14.209	VV	43693	1603319	3.22%	0.080%
234	14.216	14.209	14.233	VV	38335	546507	1.10%	0.027%
235	14.274	14.233	14.306	VV	51301	1814325	3.64%	0.090%
236	14.333	14.306	14.388	VV	37840	1630676	3.27%	0.081%
237	14.422	14.388	14.466	VV	33064	1400565	2.81%	0.070%
238	14.476	14.466	14.493	VV	26937	420693	0.84%	0.021%
239	14.511	14.493	14.534	VV	27047	626873	1.26%	0.031%
240	14.546	14.534	14.578	VV	23654	579967	1.16%	0.029%
241	14.599	14.578	14.628	VV	27595	670615	1.35%	0.033%
242	14.635	14.628	14.647	VV	19335	219798	0.44%	0.011%
243	14.669	14.647	14.700	VV	21533	626631	1.26%	0.031%
244	14.726	14.700	14.808	VV	22587	1145029	2.30%	0.057%
245	14.819	14.808	14.827	VV	14664	170067	0.34%	0.008%
246	14.848	14.827	14.862	VV	15503	310414	0.62%	0.015%

247	14.878	14.862	14.933	VV	14936	564516	1.13%	0.028%
248	14.950	14.933	15.021	VV	11311	559694	1.12%	0.028%
249	15.039	15.021	15.083	VV	10338	354233	0.71%	0.018%
250	15.096	15.083	15.111	VV	8776	135781	0.27%	0.007%
251	15.140	15.111	15.166	VV	20238	420323	0.84%	0.021%
252	15.175	15.166	15.244	VV	8604	356483	0.72%	0.018%
253	15.278	15.244	15.318	VV	7127	263683	0.53%	0.013%
254	15.340	15.318	15.358	VV	5331	116674	0.23%	0.006%
255	15.393	15.358	15.438	VV	5546	235856	0.47%	0.012%
256	15.448	15.438	15.464	VV	4203	64275	0.13%	0.003%
257	15.472	15.464	15.541	VV	4506	163608	0.33%	0.008%
258	15.563	15.541	15.627	VV	3790	163159	0.33%	0.008%
259	15.659	15.627	15.774	VV	15885	427224	0.86%	0.021%
260	15.793	15.774	15.821	VV	1927	46844	0.09%	0.002%
261	15.841	15.821	15.852	VV	1619	27252	0.05%	0.001%
262	15.872	15.852	15.904	VV	1881	49270	0.10%	0.002%
263	15.911	15.904	15.937	VV	1601	28660	0.06%	0.001%
264	15.974	15.937	16.031	VV	3436	119149	0.24%	0.006%
265	16.042	16.031	16.090	VV	1307	32707	0.07%	0.002%
266	16.121	16.090	16.131	VV	1809	31248	0.06%	0.002%
267	16.159	16.131	16.244	VV	16768	281025	0.56%	0.014%
268	16.251	16.244	16.293	VV	345	3925	0.01%	0.000%
269	16.306	16.293	16.314	VV	227	1862	0.00%	0.000%
270	16.354	16.314	16.381	VV	1045	27698	0.06%	0.001%
271	16.388	16.381	16.420	VV	762	11927	0.02%	0.001%
272	16.472	16.420	16.500	VV	1939	49980	0.10%	0.002%
273	16.518	16.500	16.571	VV	1237	28891	0.06%	0.001%
274	16.642	16.571	16.701	PV	14217	218576	0.44%	0.011%
275	16.737	16.701	16.748	VV	354	5700	0.01%	0.000%
276	16.859	16.748	16.901	VV	1015	44982	0.09%	0.002%
277	16.909	16.901	16.915	VV	451	3571	0.01%	0.000%
278	16.946	16.915	16.959	VV	944	17759	0.04%	0.001%
279	16.986	16.959	17.011	VV	795	16583	0.03%	0.001%
280	17.107	17.011	17.148	VV	14889	240580	0.48%	0.012%
281	17.158	17.148	17.178	VV	532	6021	0.01%	0.000%
282	17.234	17.178	17.251	VV	365	10221	0.02%	0.001%
283	17.274	17.251	17.293	PV	385	5947	0.01%	0.000%
284	17.345	17.293	17.371	VV	1450	31061	0.06%	0.002%
285	17.401	17.371	17.421	VV	616	10206	0.02%	0.001%
286	17.440	17.421	17.460	VV	596	8817	0.02%	0.000%
287	17.489	17.460	17.501	VV	688	10764	0.02%	0.001%
288	17.520	17.501	17.530	VV	1041	14507	0.03%	0.001%
289	17.557	17.530	17.611	VV	10596	156452	0.31%	0.008%
290	17.671	17.611	17.738	VV	1404	42569	0.09%	0.002%
291	17.764	17.738	17.778	PV	379	5304	0.01%	0.000%
292	17.840	17.778	17.866	VV	864	16877	0.03%	0.001%
293	17.889	17.866	17.910	PV	830	13819	0.03%	0.001%
294	17.993	17.910	18.024	VV	9939	175904	0.35%	0.009%
295	18.033	18.024	18.051	VV	413	4558	0.01%	0.000%
296	18.134	18.051	18.208	VV	3116	87036	0.17%	0.004%
297	18.277	18.208	18.298	PV	638	14227	0.03%	0.001%
298	18.338	18.298	18.351	VV	505	9949	0.02%	0.000%
299	18.371	18.351	18.388	VV	580	9570	0.02%	0.000%

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300	18.416	18.388	18.445	VV	6009	83722	0.17%	0.004%
301	18.500	18.445	18.524	VV	3390	59634	0.12%	0.003%
302	18.541	18.524	18.552	VV	546	7844	0.02%	0.000%
303	18.559	18.552	18.581	VV	287	2996	0.01%	0.000%
304	18.613	18.581	18.624	PV	335	3601	0.01%	0.000%
305	18.686	18.624	18.702	PV	893	19227	0.04%	0.001%
306	18.727	18.702	18.751	VV	514	11339	0.02%	0.001%
307	18.826	18.751	18.888	VV	6297	121549	0.24%	0.006%
308	18.924	18.888	18.944	PV	1338	17521	0.04%	0.001%
309	18.974	18.944	18.993	VV	1126	16421	0.03%	0.001%
310	19.103	18.993	19.114	VV	603	21735	0.04%	0.001%
311	19.135	19.114	19.158	VV	519	9161	0.02%	0.000%
312	19.223	19.158	19.278	PV	4135	77760	0.16%	0.004%
313	19.431	19.278	19.446	PV	657	29573	0.06%	0.001%
314	19.469	19.446	19.494	VV	478	8420	0.02%	0.000%
315	19.609	19.494	19.661	PV	5169	111203	0.22%	0.006%
316	19.728	19.661	19.739	VV	1096	24658	0.05%	0.001%
317	19.902	19.739	19.913	VV	1962	116221	0.23%	0.006%
318	19.984	19.913	20.007	VV	4859	148275	0.30%	0.007%
319	20.030	20.007	20.054	VV	2813	71546	0.14%	0.004%
320	20.255	20.054	20.271	VV	5566	504878	1.01%	0.025%
321	20.347	20.271	20.380	VV	9391	425342	0.85%	0.021%
322	20.703	20.380	20.739	VV	12674	1852616	3.72%	0.092%
323	20.889	20.739	20.903	VV	11700	1107109	2.22%	0.055%
324	20.995	20.903	21.014	VV	11348	754203	1.51%	0.037%
325	21.072	21.014	21.101	VV	12322	584567	1.17%	0.029%
326	21.166	21.101	21.202	VV	9986	599910	1.20%	0.030%
327	21.304	21.202	21.384	VV	9062	945912	1.90%	0.047%
328	21.392	21.384	21.415	VV	7185	130380	0.26%	0.006%
329	21.436	21.415	21.443	VV	6687	112984	0.23%	0.006%
330	21.487	21.443	21.532	VV	7220	347951	0.70%	0.017%
331	21.592	21.532	21.691	VV	5427	457077	0.92%	0.023%
332	21.719	21.691	21.741	VV	3447	100562	0.20%	0.005%
333	21.779	21.741	21.802	VV	2988	105740	0.21%	0.005%
334	21.812	21.802	21.831	VV	2499	41253	0.08%	0.002%
335	21.841	21.831	21.897	VV	2156	64355	0.13%	0.003%
336	21.958	21.897	21.991	VV	1332	47705	0.10%	0.002%

Sum of corrected areas: 2014516093

Aliphatic EPH 100824.M Thu Oct 31 07:49:35 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-4		SDG No.:	P4599	
Lab Sample ID:	P4599-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.4	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014580.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	71.3	E	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	368	E	0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	596	E	1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.8		2.31	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	88.9		40 - 140	178%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	102		40 - 140	205%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		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:	P4599-04	Acq On:	30 Oct 2024 18:34
Client Sample ID:	EX-1-TPH-4	Operator:	YP\AJ
Data file:	FG014580.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	129015495	924.87	200	ug/ml
Aromatic C12-C16	6.390	9.089	694395989	4770	300	ug/ml
Aromatic C16-C21	9.090	13.408	1120039292	7730	500	ug/ml
Aromatic C21-C36	13.409	18.851	54945831	386.565	800	ug/ml
Aromatic EPH	4.519	18.851	1998396607	13800		ug/ml
ortho-Terphenyl (SURR)	11.977	11.977	4637266	31.32		ug/ml
2-Bromonaphthalene (SURR)	8.026	8.026	11156736	88.87		ug/ml
2-Flurobiphenyl (SURR)	8.909	8.909	8818332	102.38		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014580.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:34
Operator : YP\AJ
Sample : P4599-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.026	11156736	88.873 ug/mlm
Spiked Amount 50.000		Recovery = 177.75%	
6) S 2-Flurobiphenyl (SURR)	8.909	8818332	102.378 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 204.76%#	
11) S ortho-Terphenyl (SURR)	11.977	4637266	31.321 ug/mlm
Spiked Amount 50.000		Recovery = 62.64%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014580.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:34
Operator : YP\AJ
Sample : P4599-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

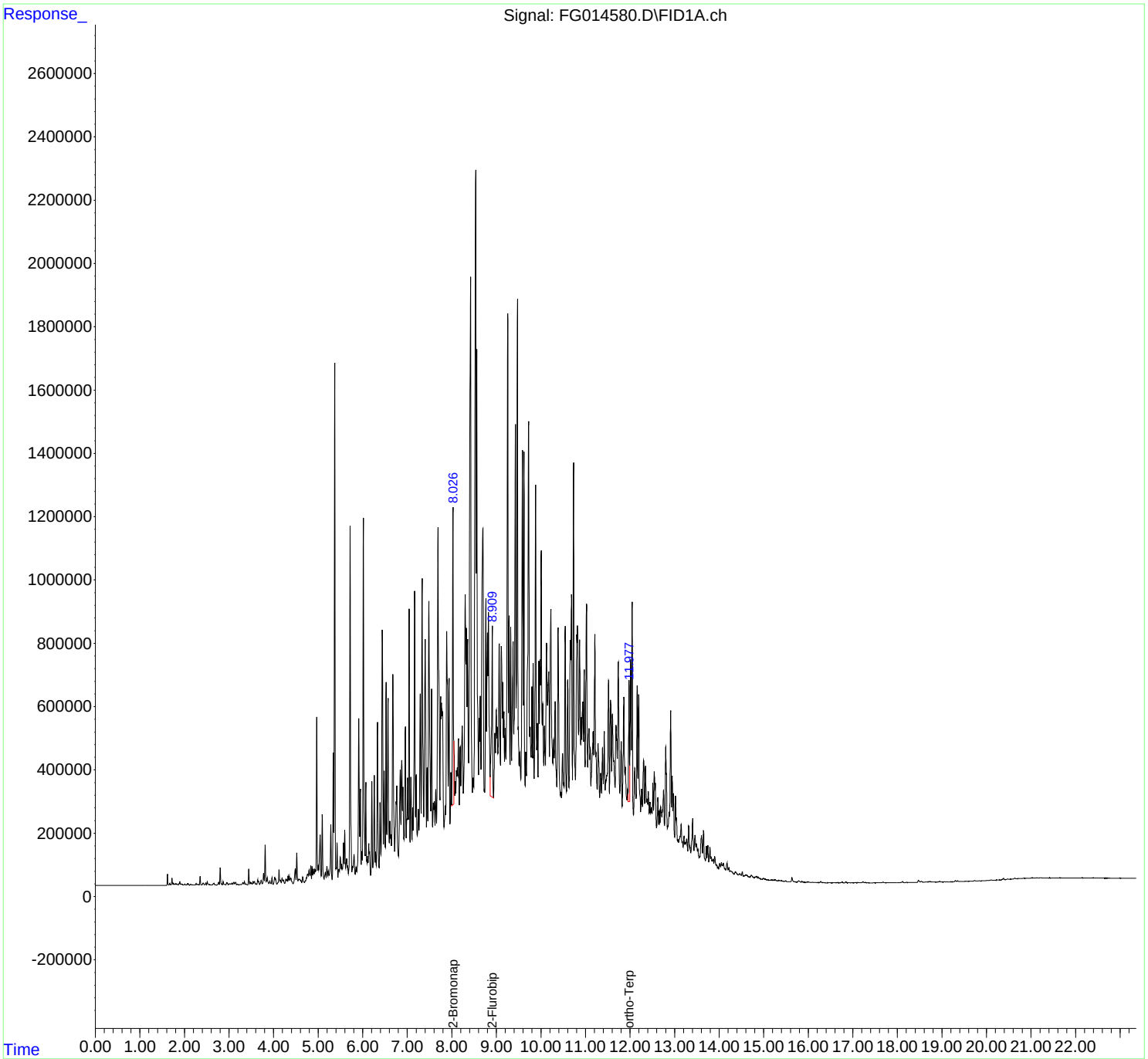
Integration File: autoint1.e
Quant Time: Oct 31 06:44:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

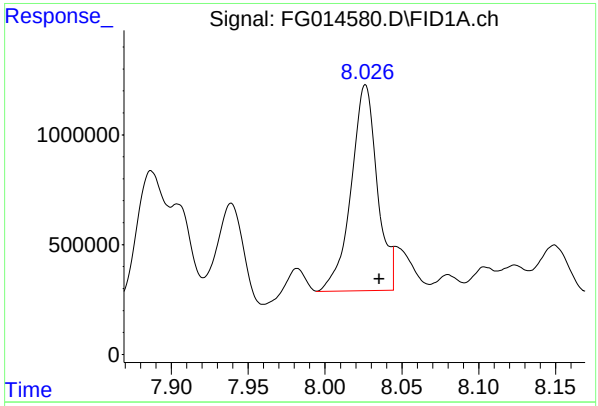
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024





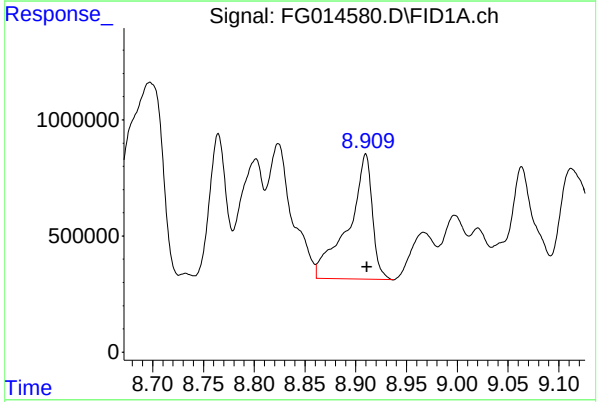
#4 2-Bromonaphthalene (SURR)

R.T.: 8.026 min
Delta R.T.: -0.010 min
Response: 11156736
Conc: 88.87 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4

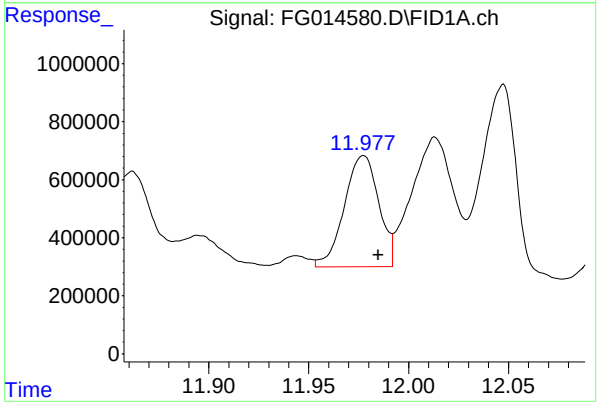
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.909 min
Delta R.T.: -0.002 min
Response: 8818332
Conc: 102.38 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.977 min
Delta R.T.: -0.008 min
Response: 4637266
Conc: 31.32 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014580.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:34
Sample : P4599-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.287	BV	14219	163799	0.35%	0.008%
2	4.296	4.287	4.308	VV	11697	128154	0.27%	0.006%
3	4.325	4.308	4.338	VV	23903	275728	0.59%	0.014%
4	4.353	4.338	4.368	VV	23585	306430	0.65%	0.015%
5	4.389	4.368	4.411	VV	17778	340296	0.72%	0.017%
6	4.416	4.411	4.434	VV	6565	54539	0.12%	0.003%
7	4.488	4.434	4.504	PV	47914	821855	1.75%	0.040%
8	4.521	4.504	4.548	VV	97545	1136065	2.41%	0.056%
9	4.566	4.548	4.574	VV	14067	186356	0.40%	0.009%
10	4.582	4.574	4.606	VV	14261	240603	0.51%	0.012%
11	4.615	4.606	4.633	VV	10888	127743	0.27%	0.006%
12	4.654	4.633	4.680	VV	22544	346915	0.74%	0.017%
13	4.687	4.680	4.696	VV	5156	47121	0.10%	0.002%
14	4.714	4.696	4.719	VV	9462	106997	0.23%	0.005%
15	4.737	4.719	4.743	VV	18591	202507	0.43%	0.010%
16	4.764	4.743	4.779	VV	31042	583935	1.24%	0.029%
17	4.795	4.779	4.817	VV	43093	739062	1.57%	0.036%
18	4.837	4.817	4.852	VV	56841	767302	1.63%	0.038%
19	4.867	4.852	4.879	VV	54864	619093	1.32%	0.030%
20	4.893	4.879	4.912	VV	46833	729495	1.55%	0.036%
21	4.927	4.912	4.938	VV	45614	632474	1.34%	0.031%
22	4.969	4.938	4.991	VV	526869	5909525	12.55%	0.290%
23	5.002	4.991	5.014	VV	56268	696323	1.48%	0.034%
24	5.046	5.014	5.071	VV	154386	2843247	6.04%	0.140%
25	5.093	5.071	5.133	VV	218952	2849413	6.05%	0.140%
26	5.162	5.133	5.180	VV	36125	756218	1.61%	0.037%
27	5.198	5.180	5.217	VV	55609	826183	1.75%	0.041%
28	5.229	5.217	5.245	VV	39880	547989	1.16%	0.027%
29	5.285	5.245	5.314	VV	187040	2745447	5.83%	0.135%
30	5.340	5.314	5.353	VV	413052	4357814	9.26%	0.214%
31	5.374	5.353	5.397	VV	1645157	17847389	37.91%	0.877%
32	5.406	5.397	5.411	VV	51029	388760	0.83%	0.019%
33	5.426	5.411	5.444	VV	129581	1511712	3.21%	0.074%
34	5.466	5.444	5.478	VV	45494	777318	1.65%	0.038%
35	5.498	5.478	5.515	VV	84655	1452803	3.09%	0.071%
36	5.526	5.515	5.539	VV	62359	759779	1.61%	0.037%

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37	5.544	5.539	5.548	VV	47837	273021	0.58%	0.013%
38	5.569	5.548	5.582	VV	129759	1741356	3	
39	5.598	5.582	5.616	VV	168780	2185574	4	
40	5.641	5.616	5.656	VV	79248	1545591	3	
41	5.663	5.656	5.679	VV	56856	675186	1	
42	5.718	5.679	5.758	VV	1130404	14362950	30	
43	5.773	5.758	5.781	VV	54143	665850	1.41%	0.033%
44	5.807	5.781	5.831	VV	93103	1900102	4.04%	0.093%
45	5.852	5.831	5.866	VV	52702	888202	1.89%	0.044%
46	5.912	5.866	5.936	VV	521493	8447577	17.94%	0.415%
47	5.948	5.936	5.966	VV	298489	3414704	7.25%	0.168%
48	5.981	5.966	5.993	VV	101350	1374429	2.92%	0.068%
49	6.016	5.993	6.053	VV	1152692	15185960	32.26%	0.746%
50	6.070	6.053	6.101	VV	320472	4241715	9.01%	0.208%
51	6.112	6.101	6.122	VV	87243	999736	2.12%	0.049%
52	6.136	6.122	6.148	VV	127479	1551654	3.30%	0.076%
53	6.154	6.148	6.179	VV	101227	1246622	2.65%	0.061%
54	6.207	6.179	6.227	VV	323270	3886644	8.26%	0.191%
55	6.261	6.227	6.279	VV	341961	4854157	10.31%	0.239%
56	6.290	6.279	6.305	VV	100707	1247240	2.65%	0.061%
57	6.332	6.305	6.368	VV	510289	7591637	16.13%	0.373%
58	6.391	6.368	6.409	VV	256652	3517077	7.47%	0.173%
59	6.440	6.409	6.467	VV	800871	14059889	29.87%	0.691%
60	6.483	6.467	6.507	VV	354929	5286669	11.23%	0.260%
61	6.526	6.507	6.541	VV	636359	7218289	15.33%	0.355%
62	6.569	6.541	6.597	VV	585782	10156851	21.57%	0.499%
63	6.612	6.597	6.624	VV	197967	2639165	5.61%	0.130%
64	6.631	6.624	6.645	VV	156170	1799415	3.82%	0.088%
65	6.678	6.645	6.718	VV	661640	13621455	28.93%	0.669%
66	6.766	6.718	6.804	VV	308932	9293673	19.74%	0.457%
67	6.844	6.804	6.858	VV	360346	7347533	15.61%	0.361%
68	6.878	6.858	6.893	VV	389938	6439977	13.68%	0.316%
69	6.904	6.893	6.925	VV	305490	4459477	9.47%	0.219%
70	6.958	6.925	6.977	VV	495764	8653048	18.38%	0.425%
71	7.011	6.977	7.025	VV	333385	6729317	14.29%	0.331%
72	7.044	7.025	7.063	VV	867892	10594483	22.50%	0.521%
73	7.083	7.063	7.107	VV	336898	6082769	12.92%	0.299%
74	7.121	7.107	7.132	VV	239963	2913168	6.19%	0.143%
75	7.167	7.132	7.187	VV	924439	14809715	31.46%	0.728%
76	7.202	7.187	7.224	VV	344745	5473882	11.63%	0.269%
77	7.250	7.224	7.265	VV	235513	4595070	9.76%	0.226%
78	7.292	7.265	7.313	VV	599510	10452484	22.20%	0.514%
79	7.334	7.313	7.371	VV	962514	17582374	37.35%	0.864%
80	7.404	7.371	7.433	VV	772055	17645149	37.48%	0.867%
81	7.447	7.433	7.462	VV	365826	4814596	10.23%	0.237%
82	7.486	7.462	7.528	VV	891368	19721496	41.89%	0.969%
83	7.548	7.528	7.569	VV	615682	9375807	19.92%	0.461%
84	7.588	7.569	7.597	VV	255480	3783179	8.04%	0.186%
85	7.609	7.597	7.624	VV	259373	3728393	7.92%	0.183%
86	7.641	7.624	7.659	VV	297846	5050898	10.73%	0.248%
87	7.691	7.659	7.734	VV	1123893	26469194	56.22%	1.301%
88	7.750	7.734	7.759	VV	589204	7051929	14.98%	0.347%
89	7.768	7.759	7.787	VV	569321	9271048	19.69%	0.456%

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90	7.793	7.787	7.826	VV	542337	8229078	17.48%	0.404%
91	7.854	7.826	7.865	VV	245993	5057976	10	
92	7.887	7.865	7.921	VV	796118	18267137	38	
93	7.939	7.921	7.960	VV	648546	9933629	21	
94	7.982	7.960	7.995	VV	351392	5599027	11	
95	8.026	7.995	8.068	VV	1188859	23713406	50	
96	8.080	8.068	8.091	VV	323283	4050792	8.60%	0.199%
97	8.104	8.091	8.112	VV	357553	4292755	9.12%	0.211%
98	8.124	8.112	8.133	VV	366075	4350246	9.24%	0.214%
99	8.149	8.133	8.170	VV	457862	8203345	17.43%	0.403%
100	8.187	8.170	8.204	VV	432770	7355654	15.62%	0.361%
101	8.235	8.204	8.259	VV	498112	13065762	27.75%	0.642%
102	8.302	8.259	8.316	VV	912399	19698338	41.84%	0.968%
103	8.327	8.316	8.341	VV	806009	10606742	22.53%	0.521%
104	8.354	8.341	8.379	VV	771509	13109150	27.85%	0.644%
105	8.423	8.379	8.463	VV	1921617	47077479	100.00%	2.314%
106	8.476	8.463	8.493	VV	334011	5575764	11.84%	0.274%
107	8.537	8.493	8.550	VV	2254609	43564793	92.54%	2.141%
108	8.562	8.550	8.602	VV	1687699	26091172	55.42%	1.282%
109	8.616	8.602	8.625	VV	523174	6309648	13.40%	0.310%
110	8.639	8.625	8.657	VV	592305	9475152	20.13%	0.466%
111	8.697	8.657	8.726	VV	1121181	32000583	67.97%	1.573%
112	8.732	8.726	8.741	VV	298677	2520801	5.35%	0.124%
113	8.765	8.741	8.779	VV	899695	13520276	28.72%	0.664%
114	8.802	8.779	8.811	VV	792716	12915272	27.43%	0.635%
115	8.824	8.811	8.861	VV	857124	17776445	37.76%	0.874%
116	8.910	8.861	8.937	VV	814398	21391243	45.44%	1.051%
117	8.967	8.937	8.981	VV	474497	10327962	21.94%	0.508%
118	8.997	8.981	9.012	VV	548755	9057984	19.24%	0.445%
119	9.020	9.012	9.034	VV	494617	6169076	13.10%	0.303%
120	9.063	9.034	9.092	VV	758140	18165239	38.59%	0.893%
121	9.112	9.092	9.135	VV	749738	15801491	33.56%	0.777%
122	9.146	9.135	9.159	VV	635743	8214449	17.45%	0.404%
123	9.170	9.159	9.185	VV	543369	7520833	15.98%	0.370%
124	9.200	9.185	9.216	VV	490267	7892351	16.76%	0.388%
125	9.255	9.216	9.273	VV	1800332	31988258	67.95%	1.572%
126	9.286	9.273	9.307	VV	845392	12694789	26.97%	0.624%
127	9.324	9.307	9.342	VV	809913	12200868	25.92%	0.600%
128	9.376	9.342	9.390	VV	762373	16616516	35.30%	0.817%
129	9.428	9.390	9.445	VV	1449521	27710259	58.86%	1.362%
130	9.474	9.445	9.512	VV	1840268	34285754	72.83%	1.685%
131	9.526	9.512	9.549	VV	413728	8430837	17.91%	0.414%
132	9.586	9.549	9.602	VV	1367026	24445748	51.93%	1.201%
133	9.619	9.602	9.646	VV	1361045	19834995	42.13%	0.975%
134	9.662	9.646	9.676	VV	416275	6579519	13.98%	0.323%
135	9.724	9.676	9.744	VV	1460080	33065280	70.24%	1.625%
136	9.759	9.744	9.782	VV	494370	10065432	21.38%	0.495%
137	9.800	9.782	9.812	VV	621912	9085479	19.30%	0.447%
138	9.827	9.812	9.848	VV	694756	10673843	22.67%	0.525%
139	9.883	9.848	9.906	VV	1258828	24180403	51.36%	1.188%
140	9.919	9.906	9.934	VV	506141	7621918	16.19%	0.375%
141	9.953	9.934	9.966	VV	702830	10340427	21.96%	0.508%

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142	9.980	9.966	9.990	VV	707718	9342839	19.85%	0.459%
143	10.006	9.990	10.029	VV	1053391	17657541	37	
144	10.042	10.029	10.064	VV	567608	10319101	21	
145	10.080	10.064	10.101	VV	498141	9414462	20	
146	10.125	10.101	10.148	VV	759833	16713425	35	
147	10.175	10.148	10.194	VV	669204	16137677	34	
148	10.225	10.194	10.268	VV	867284	26076765	55.39%	1.282%
149	10.286	10.268	10.299	VV	453694	7922755	16.83%	0.389%
150	10.320	10.299	10.356	VV	575140	14676108	31.17%	0.721%
151	10.386	10.356	10.435	VV	809716	22435247	47.66%	1.103%
152	10.445	10.435	10.461	VV	287584	4413978	9.38%	0.217%
153	10.486	10.461	10.518	VV	411100	11220867	23.83%	0.551%
154	10.545	10.518	10.575	VV	811209	15946917	33.87%	0.784%
155	10.600	10.575	10.627	VV	643493	14213737	30.19%	0.699%
156	10.662	10.627	10.671	VV	768081	15002744	31.87%	0.737%
157	10.686	10.671	10.708	VV	912529	15161695	32.21%	0.745%
158	10.733	10.708	10.777	VV	1325450	24679904	52.42%	1.213%
159	10.805	10.777	10.812	VV	786664	12468636	26.49%	0.613%
160	10.821	10.812	10.845	VV	813987	13026229	27.67%	0.640%
161	10.869	10.845	10.894	VV	769136	17335027	36.82%	0.852%
162	10.907	10.894	10.918	VV	524715	6946658	14.76%	0.341%
163	10.939	10.918	10.955	VV	573678	11582762	24.60%	0.569%
164	10.973	10.955	10.990	VV	676712	11370070	24.15%	0.559%
165	11.024	10.990	11.048	VV	883128	21292557	45.23%	1.046%
166	11.078	11.048	11.100	VV	489110	13854817	29.43%	0.681%
167	11.107	11.100	11.122	VV	425432	4919529	10.45%	0.242%
168	11.171	11.122	11.185	VV	479890	15165171	32.21%	0.745%
169	11.211	11.185	11.230	VV	785749	14869129	31.58%	0.731%
170	11.236	11.230	11.260	VV	414422	6605131	14.03%	0.325%
171	11.284	11.260	11.320	VV	441506	12726849	27.03%	0.625%
172	11.341	11.320	11.362	VV	348654	7990020	16.97%	0.393%
173	11.381	11.362	11.402	VV	427185	8576553	18.22%	0.421%
174	11.422	11.402	11.442	VV	479243	9347793	19.86%	0.459%
175	11.518	11.442	11.538	VV	640255	22977672	48.81%	1.129%
176	11.562	11.538	11.585	VV	579465	13358618	28.38%	0.657%
177	11.604	11.585	11.663	VV	535353	19068964	40.51%	0.937%
178	11.684	11.663	11.715	VV	499013	13234162	28.11%	0.650%
179	11.736	11.715	11.770	VV	698298	16258330	34.54%	0.799%
180	11.802	11.770	11.823	VV	447511	10808377	22.96%	0.531%
181	11.862	11.823	11.883	VV	589003	14779977	31.40%	0.726%
182	11.895	11.883	11.930	VV	365507	9011740	19.14%	0.443%
183	11.944	11.930	11.953	VV	296755	3924817	8.34%	0.193%
184	11.977	11.953	11.992	VV	641874	10601909	22.52%	0.521%
185	12.013	11.992	12.029	VV	705080	12087878	25.68%	0.594%
186	12.047	12.029	12.077	VV	886997	14293973	30.36%	0.702%
187	12.105	12.077	12.136	VV	364967	10477175	22.26%	0.515%
188	12.161	12.136	12.177	VV	623684	10624299	22.57%	0.522%
189	12.194	12.177	12.237	VV	596890	13509801	28.70%	0.664%
190	12.259	12.237	12.278	VV	298119	6427927	13.65%	0.316%
191	12.304	12.278	12.328	VV	388535	9665310	20.53%	0.475%
192	12.348	12.328	12.367	VV	370079	7081649	15.04%	0.348%
193	12.381	12.367	12.397	VV	265709	4675346	9.93%	0.230%
194	12.411	12.397	12.432	VV	290299	5387091	11.44%	0.265%

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195	12.448	12.432	12.464	VV	256622	4518162	9.60%	0.222%
196	12.478	12.464	12.494	VV	239119	4172207	8	
197	12.512	12.494	12.527	VV	317599	5289857	11	
198	12.546	12.527	12.560	VV	353011	6132616	13	
199	12.567	12.560	12.595	VV	316176	5152117	10	
200	12.624	12.595	12.642	VV	271608	6208590	13	
201	12.657	12.642	12.670	VV	229371	3516043	7.47%	0.173%
202	12.687	12.670	12.715	VV	241719	5978152	12.70%	0.294%
203	12.729	12.715	12.735	VV	233886	2614395	5.55%	0.128%
204	12.752	12.735	12.773	VV	293751	5658522	12.02%	0.278%
205	12.801	12.773	12.837	VV	431405	11137466	23.66%	0.547%
206	12.849	12.837	12.854	VV	181372	1813621	3.85%	0.089%
207	12.875	12.854	12.887	VV	225530	4104557	8.72%	0.202%
208	12.912	12.887	12.930	VV	545611	9581234	20.35%	0.471%
209	12.946	12.930	12.962	VV	339425	5385950	11.44%	0.265%
210	12.973	12.962	13.002	VV	282323	5087024	10.81%	0.250%
211	13.021	13.002	13.036	VV	275699	4366654	9.28%	0.215%
212	13.042	13.036	13.067	VV	207210	3238948	6.88%	0.159%
213	13.077	13.067	13.089	VV	138018	1758799	3.74%	0.086%
214	13.146	13.089	13.165	VV	186539	6864971	14.58%	0.337%
215	13.173	13.165	13.191	VV	131818	1896452	4.03%	0.093%
216	13.211	13.191	13.227	VV	150045	2917646	6.20%	0.143%
217	13.238	13.227	13.249	VV	130303	1659904	3.53%	0.082%
218	13.270	13.249	13.293	VV	139731	3333991	7.08%	0.164%
219	13.315	13.293	13.336	VV	181727	3603651	7.65%	0.177%
220	13.341	13.336	13.362	VV	115345	1702677	3.62%	0.084%
221	13.404	13.362	13.435	VV	205261	6029838	12.81%	0.296%
222	13.457	13.435	13.477	VV	152342	3241084	6.88%	0.159%
223	13.488	13.477	13.514	VV	124753	2595215	5.51%	0.128%
224	13.523	13.514	13.547	VV	107478	1874659	3.98%	0.092%
225	13.557	13.547	13.563	VV	83497	808376	1.72%	0.040%
226	13.603	13.563	13.627	VV	151050	4451873	9.46%	0.219%
227	13.648	13.627	13.691	VV	165742	4195452	8.91%	0.206%
228	13.711	13.691	13.726	VV	117693	1957839	4.16%	0.096%
229	13.745	13.726	13.765	VV	120398	2254902	4.79%	0.111%
230	13.792	13.765	13.809	VV	113442	2298955	4.88%	0.113%
231	13.819	13.809	13.845	VV	83137	1684545	3.58%	0.083%
232	13.863	13.845	13.880	VV	76428	1514525	3.22%	0.074%
233	13.899	13.880	13.928	VV	84294	2009447	4.27%	0.099%
234	13.936	13.928	13.941	VV	58018	454474	0.97%	0.022%
235	13.947	13.941	13.988	VV	57564	1429723	3.04%	0.070%
236	14.010	13.988	14.031	VV	62196	1452365	3.09%	0.071%
237	14.048	14.031	14.070	VV	65444	1372367	2.92%	0.067%
238	14.076	14.070	14.080	VV	56918	317193	0.67%	0.016%
239	14.093	14.080	14.122	VV	62977	1403735	2.98%	0.069%
240	14.132	14.122	14.148	VV	45550	688884	1.46%	0.034%
241	14.176	14.148	14.201	VV	63809	1627818	3.46%	0.080%
242	14.218	14.201	14.237	VV	50188	947048	2.01%	0.047%
243	14.249	14.237	14.332	VV	38970	1994039	4.24%	0.098%
244	14.359	14.332	14.365	VV	35852	647447	1.38%	0.032%
245	14.373	14.365	14.425	VV	34994	1086585	2.31%	0.053%
246	14.462	14.425	14.480	VV	30496	918825	1.95%	0.045%

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247	14.485	14.480	14.497	VV	25942	263273	0.56%	0.013%
248	14.517	14.497	14.539	VV	36181	737842	1	
249	14.543	14.539	14.557	VV	23110	252814	0	
250	14.563	14.557	14.567	VV	23039	137502	0	
251	14.591	14.567	14.604	VV	26144	540580	1	
252	14.614	14.604	14.664	VV	26304	826140	1	
253	14.671	14.664	14.689	VV	19773	288334	0.61%	0.014%
254	14.721	14.689	14.752	VV	24834	830710	1.76%	0.041%
255	14.759	14.752	14.790	VV	20233	426540	0.91%	0.021%
256	14.811	14.790	14.824	VV	20444	386086	0.82%	0.019%
257	14.840	14.824	14.861	VV	21659	434266	0.92%	0.021%
258	14.874	14.861	14.894	VV	19827	338835	0.72%	0.017%
259	14.908	14.894	14.953	VV	15848	493880	1.05%	0.024%
260	14.972	14.953	14.977	VV	12961	186961	0.40%	0.009%
261	14.999	14.977	15.023	VV	14960	373605	0.79%	0.018%
262	15.033	15.023	15.061	VV	12786	267429	0.57%	0.013%
263	15.071	15.061	15.102	VV	11409	256404	0.54%	0.013%
264	15.111	15.102	15.135	VV	9584	180870	0.38%	0.009%
265	15.154	15.135	15.169	VV	9687	187787	0.40%	0.009%
266	15.184	15.169	15.204	VV	11270	205389	0.44%	0.010%
267	15.223	15.204	15.239	VV	10802	199427	0.42%	0.010%
268	15.256	15.239	15.285	VV	11580	262711	0.56%	0.013%
269	15.298	15.285	15.314	VV	8011	131359	0.28%	0.006%
270	15.337	15.314	15.359	VV	8665	212147	0.45%	0.010%
271	15.391	15.359	15.419	VV	7926	260435	0.55%	0.013%
272	15.425	15.419	15.457	VV	6758	132874	0.28%	0.007%
273	15.492	15.457	15.538	VV	7409	268596	0.57%	0.013%
274	15.546	15.538	15.553	VV	4362	37715	0.08%	0.002%
275	15.558	15.553	15.565	VV	4329	31833	0.07%	0.002%
276	15.633	15.565	15.719	VV	17231	596925	1.27%	0.029%
277	15.732	15.719	15.747	VV	3331	54864	0.12%	0.003%
278	15.779	15.747	15.835	VV	7064	253004	0.54%	0.012%
279	15.859	15.835	15.881	VV	5542	107626	0.23%	0.005%
280	15.895	15.881	15.927	VV	3759	79699	0.17%	0.004%
281	15.934	15.927	15.945	VV	2448	25428	0.05%	0.001%
282	15.995	15.945	16.052	VV	3923	183633	0.39%	0.009%
283	16.098	16.052	16.115	VV	2700	83576	0.18%	0.004%
284	16.134	16.115	16.163	VV	2271	58539	0.12%	0.003%
285	16.168	16.163	16.205	VV	1893	41642	0.09%	0.002%
286	16.210	16.205	16.217	VV	1400	9503	0.02%	0.000%
287	16.238	16.217	16.253	VV	2009	33611	0.07%	0.002%
288	16.278	16.253	16.309	VV	5104	94081	0.20%	0.005%
289	16.331	16.309	16.355	VV	1633	36547	0.08%	0.002%
290	16.367	16.355	16.399	VV	1198	19697	0.04%	0.001%
291	16.432	16.399	16.436	VV	620	9746	0.02%	0.000%
292	16.458	16.436	16.486	VV	1436	32924	0.07%	0.002%
293	16.496	16.486	16.511	VV	1178	13595	0.03%	0.001%
294	16.516	16.511	16.525	VV	716	5580	0.01%	0.000%
295	16.530	16.525	16.543	VV	759	6657	0.01%	0.000%
296	16.565	16.543	16.582	VV	1082	19973	0.04%	0.001%
297	16.606	16.582	16.625	VV	969	19097	0.04%	0.001%
298	16.657	16.625	16.693	VV	1966	45338	0.10%	0.002%
299	16.760	16.693	16.787	VV	3591	85169	0.18%	0.004%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.792	16.787	16.805	VV	396	3628	0.01%	0.000%
301	16.842	16.805	16.878	VV	4111	68593		
302	16.893	16.878	16.917	VV	1004	17804		
303	16.926	16.917	16.932	VV	794	6075		
304	16.935	16.932	16.950	VV	636	5209		
305	16.975	16.950	17.005	VV	971	23162		
306	17.009	17.005	17.013	VV	558	2477	0.01%	0.000%
307	17.060	17.013	17.089	VV	2075	44101	0.09%	0.002%
308	17.117	17.089	17.142	VV	2102	36887	0.08%	0.002%
309	17.147	17.142	17.156	VV	871	6699	0.01%	0.000%
310	17.194	17.156	17.200	VV	1266	24518	0.05%	0.001%
311	17.227	17.200	17.257	VV	4319	75705	0.16%	0.004%
312	17.280	17.257	17.315	VV	2632	44631	0.09%	0.002%
313	17.334	17.315	17.349	VV	621	9894	0.02%	0.000%
314	17.356	17.349	17.378	VV	589	7284	0.02%	0.000%
315	17.383	17.378	17.403	VV	334	2870	0.01%	0.000%
316	17.425	17.403	17.433	PV	358	3826	0.01%	0.000%
317	17.476	17.433	17.496	VV	911	18090	0.04%	0.001%
318	17.501	17.496	17.514	VV	459	3572	0.01%	0.000%
319	17.522	17.514	17.530	VV	360	3221	0.01%	0.000%
320	17.550	17.530	17.574	VV	754	15335	0.03%	0.001%
321	17.592	17.574	17.610	VV	937	15753	0.03%	0.001%
322	17.614	17.610	17.628	VV	835	7238	0.02%	0.000%
323	17.650	17.628	17.658	VV	959	13319	0.03%	0.001%
324	17.678	17.658	17.705	VV	2760	42145	0.09%	0.002%
325	17.708	17.705	17.721	VV	377	2522	0.01%	0.000%
326	17.728	17.721	17.744	VV	412	2777	0.01%	0.000%
327	17.763	17.744	17.769	PV	450	3949	0.01%	0.000%
328	17.775	17.769	17.776	VV	376	1455	0.00%	0.000%
329	17.783	17.776	17.804	VV	577	7325	0.02%	0.000%
330	17.810	17.804	17.817	VV	296	1759	0.00%	0.000%
331	17.825	17.817	17.831	VV	260	1457	0.00%	0.000%
332	17.853	17.831	17.874	VV	573	7570	0.02%	0.000%
333	17.906	17.887	17.926	VV	516	6178	0.01%	0.000%
334	17.934	17.926	17.937	VV	244	1245	0.00%	0.000%
335	17.949	17.937	17.992	VV	539	8782	0.02%	0.000%
336	18.012	17.992	18.017	PV	209	2597	0.01%	0.000%
337	18.044	18.017	18.059	VV	374	6624	0.01%	0.000%
338	18.115	18.059	18.145	VV	3978	72392	0.15%	0.004%
339	18.159	18.145	18.174	VV	167	1798	0.00%	0.000%
340	18.206	18.174	18.228	PV	1287	19192	0.04%	0.001%

Sum of corrected areas: 2034802722

Aromatic EPH 102124.M Thu Oct 31 07:11:40 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-4DL		SDG No.:	P4599	
Lab Sample ID:	P4599-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.4	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050948.D	10	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	197		4.40	11.6	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	670	E	2.78	7.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	386	E	3.47	11.6	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	21.5		9.26	15.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.8	U	20.8	23.1	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.19		40 - 140	64%	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:	P4599-04DL	Acq On:	31 Oct 2024 17:34
Client Sample ID:	EX-1-TPH-4DL	Operator:	YP\AJ
Data file:	FE050948.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	36656235	256.517	300	ug/ml
Aliphatic C12-C16	6.762	10.193	126179318	869.493	200	ug/ml
Aliphatic C16-C21	10.194	13.552	72273011	500.501	300	ug/ml
Aliphatic C21-C28	13.553	17.208	3966065	27.9	400	ug/ml
Aliphatic C28-C40	17.209	22.054	940847	6.803	600	ug/ml
Aliphatic EPH	3.144	22.054	240015476	1660		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	377319	3.19		ug/ml
Aliphatic C9-C28	3.144	17.208	239074629	1650	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050948.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 17:34
Operator : YP\AJ
Sample : P4599-04DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:43:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.288	377319	3.190 ug/mlm
Spiked Amount 50.000		Recovery =	6.38%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050948.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 17:34
Operator : YP\AJ
Sample : P4599-04DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

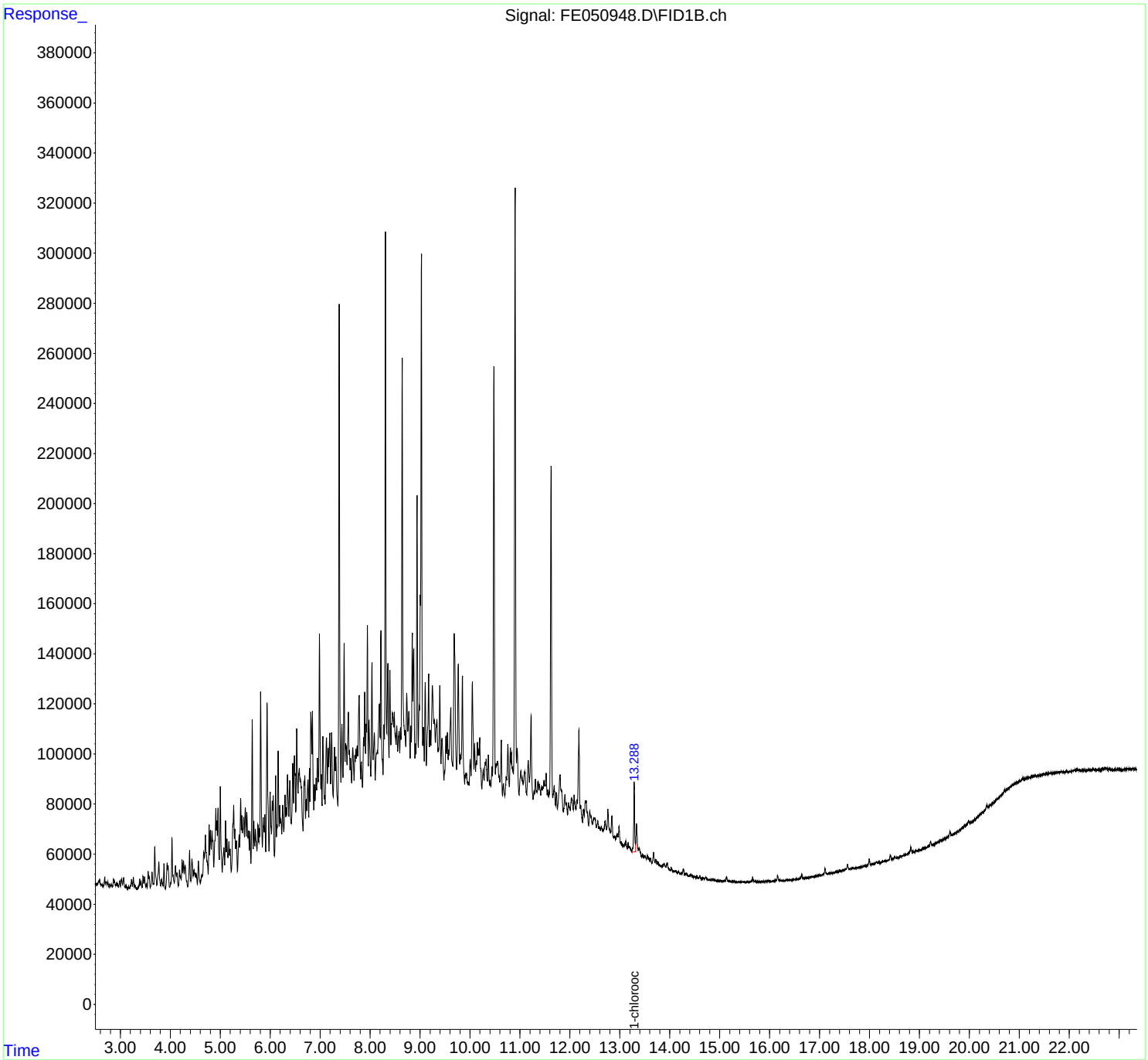
Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL

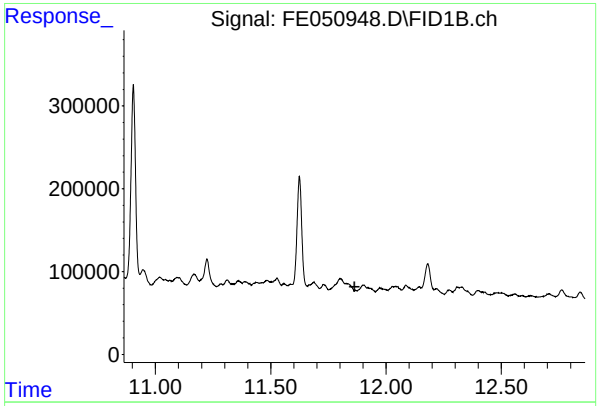
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:43:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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





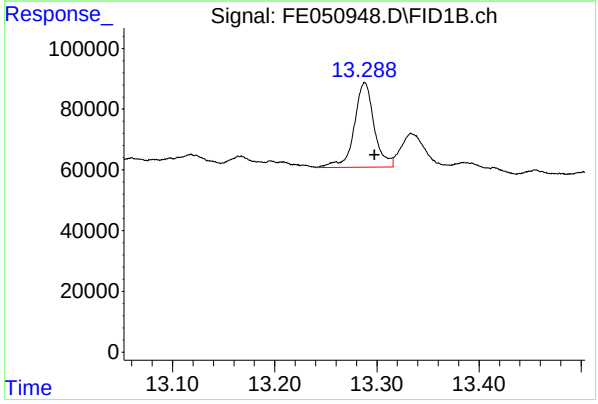
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.010 min
Response: 377319
Conc: 3.19 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050948.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 17:34
Sample : P4599-04DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.385	3.332	3.400	PV	3885	54528	0.92%	0.023%
2	3.413	3.400	3.433	VV	2935	36004	0.60%	0.015%
3	3.454	3.433	3.469	VV	4991	61012	1.02%	0.025%
4	3.484	3.469	3.510	VV	4809	68574	1.15%	0.028%
5	3.523	3.510	3.538	VV	1701	18274	0.31%	0.008%
6	3.556	3.538	3.569	VV	6986	80103	1.35%	0.033%
7	3.576	3.569	3.599	VV	4996	53091	0.89%	0.022%
8	3.634	3.599	3.666	VV	6595	118582	1.99%	0.049%
9	3.688	3.666	3.730	VV	16806	259294	4.35%	0.108%
10	3.770	3.730	3.805	VV	10828	224247	3.77%	0.093%
11	3.825	3.805	3.853	VV	3726	69273	1.16%	0.029%
12	3.873	3.853	3.901	VV	9978	107170	1.80%	0.044%
13	3.937	3.901	3.948	VV	10217	141935	2.38%	0.059%
14	3.956	3.948	3.985	VV	9023	113147	1.90%	0.047%
15	4.033	3.985	4.080	VV	20288	324279	5.45%	0.135%
16	4.102	4.080	4.121	VV	9037	149389	2.51%	0.062%
17	4.132	4.121	4.160	VV	6252	88356	1.48%	0.037%
18	4.184	4.160	4.216	VV	7412	148263	2.49%	0.062%
19	4.235	4.216	4.248	VV	11484	146212	2.46%	0.061%
20	4.263	4.248	4.279	VV	11105	153543	2.58%	0.064%
21	4.297	4.279	4.346	VV	9093	206600	3.47%	0.086%
22	4.385	4.346	4.411	VV	15079	228612	3.84%	0.095%
23	4.433	4.411	4.458	VV	11548	216203	3.63%	0.090%
24	4.474	4.458	4.516	VV	7443	203444	3.42%	0.084%
25	4.523	4.516	4.540	VV	5209	56839	0.95%	0.024%
26	4.562	4.540	4.601	VV	10928	194561	3.27%	0.081%
27	4.669	4.601	4.683	VV	14181	352438	5.92%	0.146%
28	4.702	4.683	4.757	VV	21259	588049	9.87%	0.244%
29	4.776	4.757	4.788	VV	25232	294401	4.94%	0.122%
30	4.802	4.788	4.820	VV	22988	355884	5.98%	0.148%
31	4.835	4.820	4.870	VV	22886	532400	8.94%	0.221%
32	4.911	4.870	4.922	VV	31895	640065	10.75%	0.266%
33	4.931	4.922	4.942	VV	27000	290370	4.88%	0.121%
34	4.954	4.942	4.980	VV	31906	477030	8.01%	0.198%
35	5.001	4.980	5.039	VV	40376	700219	11.76%	0.291%
36	5.071	5.039	5.087	VV	16089	346430	5.82%	0.144%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
37	5.106	5.087	5.122	VV	26548	386702	6.49%	0.161%
38	5.134	5.122	5.157	VV	19729	316748	5	
39	5.173	5.157	5.187	VV	18590	271790	4	
40	5.197	5.187	5.220	VV	15567	233333	3	
41	5.268	5.220	5.307	VV	33089	1061746	17	
42	5.323	5.307	5.345	VV	18962	337691	5	
43	5.376	5.345	5.388	VV	21013	389252	6.54%	0.162%
44	5.409	5.388	5.422	VV	35780	553578	9.30%	0.230%
45	5.432	5.422	5.444	VV	28845	336063	5.64%	0.139%
46	5.470	5.444	5.483	VV	28424	563650	9.46%	0.234%
47	5.502	5.483	5.518	VV	31933	571226	9.59%	0.237%
48	5.532	5.518	5.555	VV	30096	552054	9.27%	0.229%
49	5.567	5.555	5.582	VV	22811	318243	5.34%	0.132%
50	5.595	5.582	5.613	VV	22453	321746	5.40%	0.134%
51	5.641	5.613	5.660	VV	67297	932454	15.66%	0.387%
52	5.673	5.660	5.690	VV	26315	379775	6.38%	0.158%
53	5.705	5.690	5.734	VV	23430	499655	8.39%	0.207%
54	5.756	5.734	5.770	VV	25133	440963	7.40%	0.183%
55	5.781	5.770	5.788	VV	23693	233677	3.92%	0.097%
56	5.809	5.788	5.843	VV	78298	1317681	22.13%	0.547%
57	5.860	5.843	5.880	VV	27711	514010	8.63%	0.213%
58	5.893	5.880	5.910	VV	29260	410303	6.89%	0.170%
59	5.938	5.910	5.976	VV	73763	1513855	25.42%	0.628%
60	5.998	5.976	6.025	VV	38228	767045	12.88%	0.318%
61	6.042	6.025	6.050	VV	34452	430342	7.23%	0.179%
62	6.060	6.050	6.084	VV	36623	530013	8.90%	0.220%
63	6.109	6.084	6.125	VV	44422	661754	11.11%	0.275%
64	6.136	6.125	6.140	VV	25060	200758	3.37%	0.083%
65	6.159	6.140	6.179	VV	54382	871620	14.64%	0.362%
66	6.191	6.179	6.204	VV	32777	441510	7.41%	0.183%
67	6.213	6.204	6.230	VV	26934	394633	6.63%	0.164%
68	6.250	6.230	6.272	VV	32787	675670	11.35%	0.280%
69	6.298	6.272	6.312	VV	36955	713216	11.98%	0.296%
70	6.321	6.312	6.328	VV	31668	303276	5.09%	0.126%
71	6.346	6.328	6.371	VV	44552	930449	15.62%	0.386%
72	6.392	6.371	6.420	VV	42398	981957	16.49%	0.408%
73	6.452	6.420	6.470	VV	49537	1101845	18.50%	0.457%
74	6.485	6.470	6.513	VV	52350	1109539	18.63%	0.461%
75	6.532	6.513	6.556	VV	63306	1220581	20.50%	0.507%
76	6.582	6.556	6.657	VV	47463	2333541	39.18%	0.969%
77	6.693	6.657	6.709	VV	44465	1114926	18.72%	0.463%
78	6.721	6.709	6.731	VV	35067	433293	7.28%	0.180%
79	6.755	6.731	6.771	VV	42721	885251	14.87%	0.367%
80	6.785	6.771	6.796	VV	47256	586487	9.85%	0.243%
81	6.815	6.796	6.834	VV	69868	1297890	21.79%	0.539%
82	6.846	6.834	6.873	VV	69487	1165538	19.57%	0.484%
83	6.887	6.873	6.899	VV	40731	570078	9.57%	0.237%
84	6.920	6.899	6.930	VV	43484	733872	12.32%	0.305%
85	6.946	6.930	6.963	VV	51535	904643	15.19%	0.375%
86	6.987	6.963	7.015	VV	100776	1978738	33.23%	0.821%
87	7.024	7.015	7.037	VV	44956	532967	8.95%	0.221%
88	7.055	7.037	7.099	VV	59928	1644098	27.61%	0.682%
89	7.126	7.099	7.145	VV	59625	1344517	22.58%	0.558%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

90	7.160	7.145	7.171	VV	55273	758055	12.73%	0.315%
91	7.191	7.171	7.210	VV	61434	1252046	21	
92	7.230	7.210	7.260	VV	61393	1445443	24	
93	7.289	7.260	7.303	VV	55774	1218642	20	
94	7.315	7.303	7.353	VV	51848	1270998	21	
95	7.381	7.353	7.416	VV	231890	3712164	62	
96	7.436	7.416	7.457	VV	65013	1296505	21.77%	0.538%
97	7.480	7.457	7.499	VV	97254	1672244	28.08%	0.694%
98	7.512	7.499	7.538	VV	57052	1254713	21.07%	0.521%
99	7.565	7.538	7.600	VV	69495	2138748	35.91%	0.888%
100	7.611	7.600	7.630	VV	51009	832088	13.97%	0.345%
101	7.654	7.630	7.679	VV	55531	1459538	24.51%	0.606%
102	7.715	7.679	7.726	VV	54766	1404279	23.58%	0.583%
103	7.739	7.726	7.753	VV	56019	883950	14.84%	0.367%
104	7.780	7.753	7.810	VV	76490	2107834	35.39%	0.875%
105	7.824	7.810	7.847	VV	49747	1005027	16.88%	0.417%
106	7.893	7.847	7.909	VV	77649	2139794	35.93%	0.888%
107	7.947	7.909	7.964	VV	104571	2333296	39.18%	0.968%
108	7.978	7.964	8.014	VV	66203	1644925	27.62%	0.683%
109	8.037	8.014	8.059	VV	89225	1728748	29.03%	0.718%
110	8.085	8.059	8.104	VV	61277	1458251	24.49%	0.605%
111	8.185	8.104	8.199	VV	72711	3299586	55.41%	1.369%
112	8.217	8.199	8.259	VV	102105	2407715	40.43%	0.999%
113	8.279	8.259	8.286	VV	64513	909068	15.27%	0.377%
114	8.308	8.286	8.334	VV	261132	3732836	62.68%	1.549%
115	8.356	8.334	8.379	VV	88882	1931058	32.43%	0.801%
116	8.397	8.379	8.417	VV	86241	1596250	26.80%	0.663%
117	8.451	8.417	8.473	VV	68977	2193136	36.83%	0.910%
118	8.485	8.473	8.518	VV	69529	1689725	28.37%	0.701%
119	8.535	8.518	8.553	VV	64013	1236714	20.77%	0.513%
120	8.579	8.553	8.594	VV	61551	1443585	24.24%	0.599%
121	8.609	8.594	8.618	VV	63232	845152	14.19%	0.351%
122	8.643	8.618	8.714	VV	210413	5206113	87.42%	2.161%
123	8.735	8.714	8.756	VV	77035	1690473	28.39%	0.702%
124	8.776	8.756	8.803	VV	69548	1773873	29.79%	0.736%
125	8.818	8.803	8.827	VV	63622	845079	14.19%	0.351%
126	8.845	8.827	8.858	VV	100765	1488196	24.99%	0.618%
127	8.873	8.858	8.899	VV	94455	1883971	31.64%	0.782%
128	8.941	8.899	8.965	VV	155654	3273387	54.97%	1.359%
129	9.028	8.965	9.054	VV	252277	5955243	100.00%	2.472%
130	9.068	9.054	9.085	VV	63243	1072637	18.01%	0.445%
131	9.105	9.085	9.127	VV	81115	1612010	27.07%	0.669%
132	9.173	9.127	9.191	VV	84947	2461141	41.33%	1.021%
133	9.205	9.191	9.218	VV	62013	964024	16.19%	0.400%
134	9.249	9.218	9.275	VV	79784	2396985	40.25%	0.995%
135	9.283	9.275	9.308	VV	65446	1236249	20.76%	0.513%
136	9.338	9.308	9.366	VV	66262	2127332	35.72%	0.883%
137	9.397	9.366	9.421	VV	80003	2005882	33.68%	0.833%
138	9.440	9.421	9.480	VV	58514	1843539	30.96%	0.765%
139	9.518	9.480	9.532	VV	59726	1586457	26.64%	0.658%
140	9.548	9.532	9.564	VV	61121	1084711	18.21%	0.450%
141	9.575	9.564	9.582	VV	54095	549246	9.22%	0.228%

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rteres

Manual IntegrationsAPPROVED

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142	9.615	9.582	9.654	VV	70950	2493837	41.88%	1.035%
143	9.686	9.654	9.733	VV	100509	3308477	55	
144	9.766	9.733	9.795	VV	88483	2396712	40	
145	9.807	9.795	9.818	VV	51834	711171	11	
146	9.849	9.818	9.893	VV	83511	2546435	42	
147	9.906	9.893	9.913	VV	44167	516729	8	
148	9.925	9.913	9.961	VV	44694	1220804	20.50%	0.507%
149	9.972	9.961	9.983	VV	41153	534579	8.98%	0.222%
150	10.005	9.983	10.022	VV	50256	1073356	18.02%	0.445%
151	10.048	10.022	10.080	VV	81035	2126065	35.70%	0.882%
152	10.094	10.080	10.112	VV	56490	1007784	16.92%	0.418%
153	10.151	10.112	10.181	VV	56865	2125880	35.70%	0.882%
154	10.195	10.181	10.237	VV	58556	1638083	27.51%	0.680%
155	10.266	10.237	10.283	VV	46053	1194651	20.06%	0.496%
156	10.305	10.283	10.313	VV	49004	826202	13.87%	0.343%
157	10.323	10.313	10.348	VV	50294	977182	16.41%	0.406%
158	10.369	10.348	10.419	VV	51947	1869710	31.40%	0.776%
159	10.441	10.419	10.451	VV	47262	824924	13.85%	0.342%
160	10.480	10.451	10.510	VV	207250	3731693	62.66%	1.549%
161	10.545	10.510	10.601	VV	49252	2529237	42.47%	1.050%
162	10.628	10.601	10.652	VV	57933	1397622	23.47%	0.580%
163	10.669	10.652	10.695	VV	40485	998010	16.76%	0.414%
164	10.760	10.695	10.788	VV	56147	2444618	41.05%	1.015%
165	10.809	10.788	10.870	VV	54445	2343968	39.36%	0.973%
166	10.904	10.870	10.934	VV	277015	4800402	80.61%	1.992%
167	10.946	10.934	10.983	VV	54460	1376071	23.11%	0.571%
168	11.019	10.983	11.071	VV	45409	2198139	36.91%	0.912%
169	11.094	11.071	11.135	VV	44998	1606882	26.98%	0.667%
170	11.168	11.135	11.191	VV	49486	1448795	24.33%	0.601%
171	11.224	11.191	11.265	VV	67318	2097964	35.23%	0.871%
172	11.311	11.265	11.341	VV	42142	1721769	28.91%	0.715%
173	11.360	11.341	11.376	VV	40980	813761	13.66%	0.338%
174	11.388	11.376	11.417	VV	39941	944490	15.86%	0.392%
175	11.439	11.417	11.450	VV	39040	773838	12.99%	0.321%
176	11.484	11.450	11.506	VV	41538	1328066	22.30%	0.551%
177	11.527	11.506	11.572	VV	44348	1549362	26.02%	0.643%
178	11.624	11.572	11.659	VV	167002	3656476	61.40%	1.518%
179	11.687	11.659	11.712	VV	39516	1161609	19.51%	0.482%
180	11.730	11.712	11.752	VV	36521	798953	13.42%	0.332%
181	11.802	11.752	11.872	VV	43470	2591595	43.52%	1.076%
182	11.902	11.872	11.954	VV	35780	1561567	26.22%	0.648%
183	11.974	11.954	12.006	VV	32393	954953	16.04%	0.396%
184	12.043	12.006	12.068	VV	34129	1199108	20.14%	0.498%
185	12.086	12.068	12.120	VV	35378	1001631	16.82%	0.416%
186	12.181	12.120	12.209	VV	61716	2124882	35.68%	0.882%
187	12.218	12.209	12.252	VV	31272	733784	12.32%	0.305%
188	12.274	12.252	12.289	VV	29877	610754	10.26%	0.253%
189	12.327	12.289	12.375	VV	33186	1532010	25.73%	0.636%
190	12.399	12.375	12.454	VV	29217	1245421	20.91%	0.517%
191	12.480	12.454	12.495	VV	26459	641073	10.76%	0.266%
192	12.501	12.495	12.530	VV	26165	517090	8.68%	0.215%
193	12.559	12.530	12.578	VV	25096	670448	11.26%	0.278%
194	12.590	12.578	12.608	VV	22852	405084	6.80%	0.168%

Instrument :
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Manual IntegrationsAPPROVED

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195	12.631	12.608	12.657	VV	22963	653602	10.98%	0.271%
196	12.706	12.657	12.735	VV	25011	1052541	17	
197	12.762	12.735	12.817	VV	29822	1178224	19	
198	12.842	12.817	12.890	VV	27163	938238	15	
199	12.901	12.890	12.923	VV	18857	362324	6	
200	12.950	12.923	12.965	VV	19800	482267	8	
201	12.984	12.965	13.048	VV	22830	897153	15.06%	0.372%
202	13.060	13.048	13.087	VV	15677	359062	6.03%	0.149%
203	13.118	13.087	13.147	VV	16833	565473	9.50%	0.235%
204	13.166	13.147	13.191	VV	16278	393479	6.61%	0.163%
205	13.196	13.191	13.240	VV	14677	408365	6.86%	0.169%
206	13.288	13.240	13.313	VV	40464	919239	15.44%	0.382%
207	13.335	13.313	13.370	VV	23671	618985	10.39%	0.257%
208	13.386	13.370	13.437	VV	14159	507277	8.52%	0.211%
209	13.455	13.437	13.487	VV	11672	324367	5.45%	0.135%
210	13.502	13.487	13.529	VV	10941	265982	4.47%	0.110%
211	13.552	13.529	13.599	VV	10812	423795	7.12%	0.176%
212	13.615	13.599	13.640	VV	9990	223989	3.76%	0.093%
213	13.675	13.640	13.703	VV	12240	369996	6.21%	0.154%
214	13.721	13.703	13.748	VV	9444	235568	3.96%	0.098%
215	13.763	13.748	13.841	VV	8476	413340	6.94%	0.172%
216	13.888	13.841	13.917	VV	7951	324425	5.45%	0.135%
217	13.948	13.917	14.012	VV	8189	359663	6.04%	0.149%
218	14.032	14.012	14.070	VV	6107	182277	3.06%	0.076%
219	14.087	14.070	14.103	VV	4812	95113	1.60%	0.039%
220	14.120	14.103	14.141	VV	4993	104547	1.76%	0.043%
221	14.180	14.141	14.230	VV	4478	216449	3.63%	0.090%
222	14.270	14.230	14.299	VV	5620	175774	2.95%	0.073%
223	14.334	14.299	14.391	VV	3701	176903	2.97%	0.073%
224	14.418	14.391	14.464	VV	3310	124369	2.09%	0.052%
225	14.477	14.464	14.573	VV	2553	149285	2.51%	0.062%
226	14.597	14.573	14.648	VV	2773	88507	1.49%	0.037%
227	14.668	14.648	14.697	VV	1982	51245	0.86%	0.021%
228	14.725	14.697	14.812	VV	2081	99886	1.68%	0.041%
229	14.833	14.812	14.854	VV	1203	28148	0.47%	0.012%
230	14.870	14.854	14.906	VV	1145	33017	0.55%	0.014%
231	14.913	14.906	14.941	VV	912	15742	0.26%	0.007%
232	14.955	14.941	14.971	VV	774	13025	0.22%	0.005%
233	14.980	14.971	15.018	VV	860	19174	0.32%	0.008%
234	15.039	15.018	15.073	VV	643	19697	0.33%	0.008%
235	15.092	15.073	15.106	VV	738	11289	0.19%	0.005%
236	15.137	15.106	15.250	VV	2256	62690	1.05%	0.026%
237	15.277	15.250	15.328	VV	431	12313	0.21%	0.005%
238	15.339	15.328	15.357	VV	252	3208	0.05%	0.001%
239	15.387	15.357	15.452	VV	206	9094	0.15%	0.004%
240	15.477	15.452	15.504	PV	228	3403	0.06%	0.001%
241	15.515	15.504	15.528	VV	124	996	0.02%	0.000%
242	15.565	15.528	15.592	VV	200	4493	0.08%	0.002%
243	15.658	15.592	15.754	VV	1979	39775	0.67%	0.017%
244	15.792	15.754	15.808	VV	129	1954	0.03%	0.001%
245	15.815	15.808	15.824	VV	58	470	0.01%	0.000%
246	15.869	15.824	15.897	VV	135	2906	0.05%	0.001%

Instrument :
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Manual IntegrationsAPPROVED

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247	15.912	15.897	15.928	PV	193	2089	0.04%	0.001%
248	15.974	15.928	16.014	VV	381	11232	0	
249	16.035	16.014	16.068	VV	169	3275	0	
250	16.119	16.068	16.133	PV	410	8732	0	
251	16.158	16.133	16.188	VV	2306	35963	0	
252	16.202	16.188	16.254	VV	308	6208	0	
253	16.288	16.254	16.321	PV	128	1991	0.03%	0.001%
254	16.352	16.321	16.375	PV	164	3963	0.07%	0.002%
255	16.483	16.375	16.497	VV	193	5484	0.09%	0.002%
256	16.518	16.497	16.561	VV	186	3867	0.06%	0.002%
257	16.641	16.561	16.701	PV	2107	38548	0.65%	0.016%
258	16.863	16.701	16.891	VV	467	32081	0.54%	0.013%
259	16.985	16.891	17.015	VV	729	36274	0.61%	0.015%
260	17.108	17.015	17.148	VV	3087	91125	1.53%	0.038%
261	17.159	17.148	17.173	VV	861	12503	0.21%	0.005%
262	17.229	17.173	17.237	VV	937	32885	0.55%	0.014%
263	17.347	17.237	17.365	VV	1245	79644	1.34%	0.033%
264	17.558	17.365	17.601	VV	3623	236375	3.97%	0.098%
265	17.661	17.601	17.694	VV	1905	97917	1.64%	0.041%
266	17.758	17.694	17.770	VV	1856	78702	1.32%	0.033%
267	17.839	17.770	17.864	VV	1965	102726	1.72%	0.043%
268	17.992	17.864	18.022	VV	4750	238144	4.00%	0.099%
269	18.049	18.022	18.073	VV	2500	74454	1.25%	0.031%
			Sum of corrected areas:			240934713		

Aliphatic EPH 100824.M Fri Nov 01 09:07:11 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-4DL		SDG No.:	P4599	
Lab Sample ID:	P4599-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.4	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014604.D	5	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	82.0	E	1.74	3.86	mg/kg
Aromatic C12-C16	Aromatic C12-C16	412	E	1.97	5.79	mg/kg
Aromatic C16-C21	Aromatic C16-C21	678	E	5.55	9.64	mg/kg
Aromatic C21-C36	Aromatic C21-C36	32.6		11.6	15.4	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	19.8		40 - 140	198%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	19.3		40 - 140	193%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.90		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:	P4599-04DL	Acq On:	31 Oct 2024 11:51
Client Sample ID:	EX-1-TPH-4DL	Operator:	YP\AJ
Data file:	FG014604.D	Misc:	
Instrument:	FID_G	ALS Vial:	40
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	29675920	212.737	200	ug/ml
Aromatic C12-C16	6.386	9.086	155742217	1070	300	ug/ml
Aromatic C16-C21	9.087	13.404	254612017	1760	500	ug/ml
Aromatic C21-C36	13.405	18.847	12026038	84.608	800	ug/ml
Aromatic EPH	4.516	18.847	452056192	3130		ug/ml
2-Bromonaphthalene (SURR)	8.012	8.012	2486526	19.81		ug/ml
2-Flurobiphenyl (SURR)	8.888	8.888	1659827	19.27		ug/ml
ortho-Terphenyl (SURR)	11.956	11.956	1022166	6.9		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014604.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 11:51
Operator : YP\AJ
Sample : P4599-04DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:25:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.012	2486526	19.807 ug/mlm
Spiked Amount 50.000		Recovery =	39.61%
6) S 2-Flurobiphenyl (SURR)	8.888	1659827	19.270 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	38.54%
11) S ortho-Terphenyl (SURR)	11.956	1022166	6.904 ug/mlm
Spiked Amount 50.000		Recovery =	13.81%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014604.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 11:51
Operator : YP\AJ
Sample : P4599-04DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

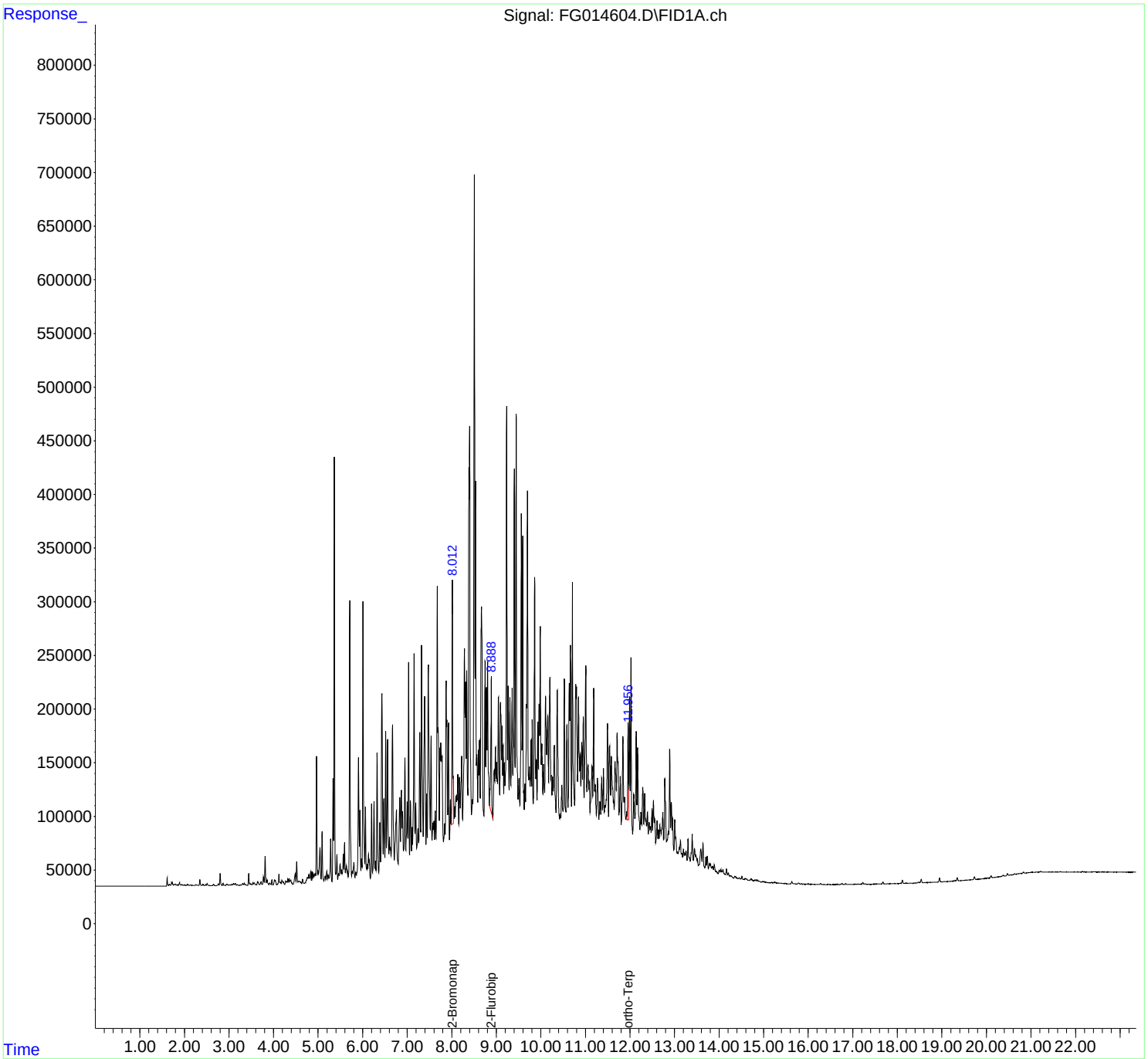
Integration File: autoint1.e
Quant Time: Nov 01 01:25:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

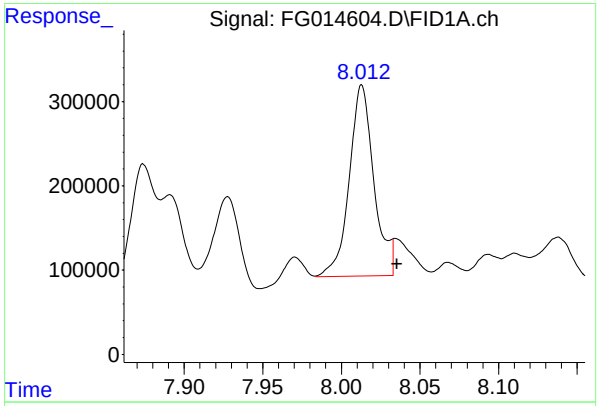
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL

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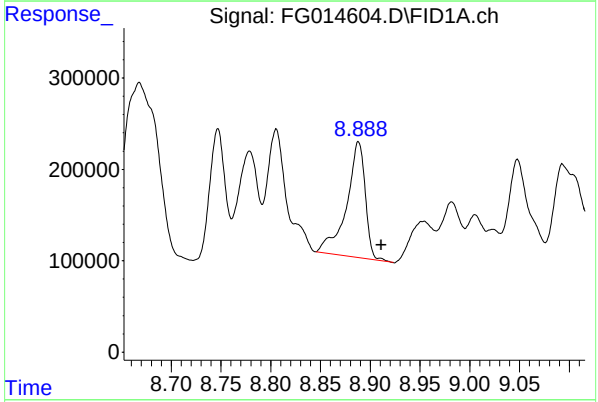
#4 2-Bromonaphthalene (SURR)

R.T.: 8.012 min
Delta R.T.: -0.023 min
Response: 2486526
Conc: 19.81 ug/ml

Instrument :
FID_G
ClientSampleId :
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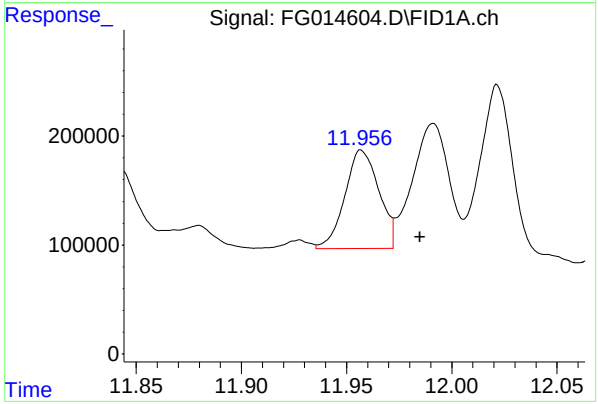
Manual Integrations
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 1659827
Conc: 19.27 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.956 min
Delta R.T.: -0.029 min
Response: 1022166
Conc: 6.90 ug/ml m

Instrument :
FID_G
ClientSampleId :
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Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014604.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 11:51
Sample : P4599-04DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.274	4.251	4.286	BV	3048	36185	0.39%	0.008%
2	4.295	4.286	4.307	VV	2565	28500	0.31%	0.006%
3	4.323	4.307	4.336	VV	5296	61782	0.67%	0.014%
4	4.352	4.336	4.367	VV	5201	69617	0.76%	0.015%
5	4.386	4.367	4.432	VV	4093	87610	0.95%	0.019%
6	4.487	4.432	4.503	PV	10262	184893	2.01%	0.040%
7	4.520	4.503	4.547	VV	21502	255874	2.78%	0.056%
8	4.564	4.547	4.571	VV	3153	40705	0.44%	0.009%
9	4.579	4.571	4.605	VV	3143	54850	0.60%	0.012%
10	4.614	4.605	4.631	VV	2498	27905	0.30%	0.006%
11	4.652	4.631	4.678	VV	4969	77169	0.84%	0.017%
12	4.685	4.678	4.695	VV	1083	9957	0.11%	0.002%
13	4.712	4.695	4.720	VV	1997	24073	0.26%	0.005%
14	4.737	4.720	4.741	VV	4097	40439	0.44%	0.009%
15	4.759	4.741	4.777	VV	6864	126836	1.38%	0.028%
16	4.792	4.777	4.815	VV	9558	167094	1.81%	0.037%
17	4.835	4.815	4.850	VV	12343	168634	1.83%	0.037%
18	4.864	4.850	4.877	VV	12310	136809	1.49%	0.030%
19	4.890	4.877	4.909	VV	10629	164177	1.78%	0.036%
20	4.924	4.909	4.935	VV	9979	136879	1.49%	0.030%
21	4.966	4.935	4.989	VV	119406	1339466	14.54%	0.293%
22	5.000	4.989	5.011	VV	12614	150131	1.63%	0.033%
23	5.043	5.011	5.069	VV	34607	641506	6.96%	0.140%
24	5.091	5.069	5.130	VV	49586	633536	6.88%	0.139%
25	5.159	5.130	5.177	VV	7944	165705	1.80%	0.036%
26	5.195	5.177	5.213	VV	12445	181663	1.97%	0.040%
27	5.226	5.213	5.243	VV	8827	124088	1.35%	0.027%
28	5.283	5.243	5.312	VV	42680	611265	6.64%	0.134%
29	5.337	5.312	5.348	VV	98888	968108	10.51%	0.212%
30	5.365	5.348	5.394	VV	398918	4047265	43.94%	0.885%
31	5.423	5.394	5.441	VV	28253	412268	4.48%	0.090%
32	5.460	5.441	5.475	VV	10122	171824	1.87%	0.038%
33	5.495	5.475	5.512	VV	19088	321631	3.49%	0.070%
34	5.523	5.512	5.545	VV	13766	230045	2.50%	0.050%
35	5.566	5.545	5.579	VV	28349	382949	4.16%	0.084%
36	5.594	5.579	5.612	VV	39452	486731	5.28%	0.106%

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37	5.637	5.612	5.652	VV	17569	344833	3.74%	0.075%
38	5.659	5.652	5.675	VV	13026	147979	1	
39	5.711	5.675	5.752	VV	264278	3224508	35	
40	5.767	5.752	5.777	VV	12308	155433	1	
41	5.804	5.777	5.827	VV	20552	417493	4	
42	5.847	5.827	5.861	VV	11527	189884	2	
43	5.908	5.861	5.930	VV	118549	1881751	20.43%	0.411%
44	5.942	5.930	5.961	VV	69236	778696	8.45%	0.170%
45	5.976	5.961	5.987	VV	24071	307768	3.34%	0.067%
46	6.008	5.987	6.048	VV	264035	3412130	37.04%	0.746%
47	6.064	6.048	6.097	VV	72505	959804	10.42%	0.210%
48	6.109	6.097	6.118	VV	19250	215696	2.34%	0.047%
49	6.132	6.118	6.143	VV	28465	340906	3.70%	0.075%
50	6.150	6.143	6.174	VV	22733	276291	3.00%	0.060%
51	6.202	6.174	6.222	VV	75090	870233	9.45%	0.190%
52	6.256	6.222	6.274	VV	77455	1090024	11.83%	0.238%
53	6.285	6.274	6.301	VV	21957	279874	3.04%	0.061%
54	6.325	6.301	6.362	VV	122731	1693694	18.39%	0.370%
55	6.384	6.362	6.403	VV	57934	789341	8.57%	0.173%
56	6.433	6.403	6.461	VV	177855	3170248	34.42%	0.693%
57	6.476	6.461	6.500	VV	80125	1182107	12.83%	0.258%
58	6.518	6.500	6.535	VV	142883	1627857	17.67%	0.356%
59	6.560	6.535	6.590	VV	135322	2264611	24.59%	0.495%
60	6.605	6.590	6.617	VV	44543	599613	6.51%	0.131%
61	6.625	6.617	6.638	VV	35014	399881	4.34%	0.087%
62	6.671	6.638	6.712	VV	149126	3069198	33.32%	0.671%
63	6.758	6.712	6.798	VV	69656	2078003	22.56%	0.454%
64	6.834	6.798	6.850	VV	81236	1631556	17.71%	0.357%
65	6.871	6.850	6.885	VV	88048	1445050	15.69%	0.316%
66	6.896	6.885	6.917	VV	68148	1009891	10.96%	0.221%
67	6.950	6.917	6.969	VV	118162	1931238	20.97%	0.422%
68	7.001	6.969	7.016	VV	77339	1504795	16.34%	0.329%
69	7.033	7.016	7.054	VV	207152	2385332	25.90%	0.522%
70	7.074	7.054	7.098	VV	78105	1369310	14.87%	0.299%
71	7.112	7.098	7.123	VV	53551	643956	6.99%	0.141%
72	7.156	7.123	7.177	VV	215028	3294800	35.77%	0.720%
73	7.193	7.177	7.213	VV	76178	1210094	13.14%	0.265%
74	7.242	7.213	7.257	VV	52375	1103815	11.98%	0.241%
75	7.283	7.257	7.303	VV	141944	2327470	25.27%	0.509%
76	7.323	7.303	7.361	VV	222886	3950360	42.89%	0.864%
77	7.392	7.361	7.423	VV	175272	3968080	43.08%	0.868%
78	7.438	7.423	7.452	VV	84660	1078159	11.71%	0.236%
79	7.474	7.452	7.517	VV	203969	4430847	48.10%	0.969%
80	7.537	7.517	7.558	VV	138504	2074100	22.52%	0.453%
81	7.577	7.558	7.588	VV	57604	935023	10.15%	0.204%
82	7.600	7.588	7.613	VV	59056	794224	8.62%	0.174%
83	7.629	7.613	7.646	VV	68334	1080160	11.73%	0.236%
84	7.676	7.646	7.721	VV	277909	5967439	64.79%	1.305%
85	7.738	7.721	7.745	VV	127590	1450685	15.75%	0.317%
86	7.755	7.745	7.776	VV	132125	2247058	24.40%	0.491%
87	7.783	7.776	7.815	VV	119401	1859159	20.18%	0.406%
88	7.844	7.815	7.854	VV	56907	1121015	12.17%	0.245%
89	7.874	7.854	7.885	VV	189126	2420190	26.28%	0.529%

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90	7.891	7.885	7.909	VV	153494	1659125	18.01%	0.363%
91	7.928	7.909	7.949	VV	150840	2252069	24	
92	7.971	7.949	7.984	VV	79080	1264043	13	
93	8.013	7.984	8.030	VV	283699	3991719	43	
94	8.034	8.030	8.057	VV	101230	1363135	14	
95	8.068	8.057	8.080	VV	72745	903319	9	
96	8.094	8.080	8.102	VV	82404	998776	10.84%	0.218%
97	8.110	8.102	8.120	VV	83664	870911	9.46%	0.190%
98	8.138	8.120	8.157	VV	102816	1883741	20.45%	0.412%
99	8.174	8.157	8.191	VV	100163	1669465	18.13%	0.365%
100	8.223	8.191	8.245	VV	119731	2914578	31.64%	0.637%
101	8.286	8.245	8.301	VV	220130	4524489	49.12%	0.989%
102	8.312	8.301	8.324	VV	188645	2271873	24.67%	0.497%
103	8.337	8.324	8.363	VV	199451	3093103	33.58%	0.676%
104	8.386	8.363	8.392	VV	387866	4235119	45.98%	0.926%
105	8.401	8.392	8.444	VV	426604	6215610	67.48%	1.359%
106	8.468	8.444	8.475	VV	79635	1351252	14.67%	0.295%
107	8.509	8.475	8.523	VV	661239	9210825	100.00%	2.014%
108	8.535	8.523	8.555	VV	376295	4510700	48.97%	0.986%
109	8.565	8.555	8.585	VV	121351	1887881	20.50%	0.413%
110	8.598	8.585	8.608	VV	124771	1469282	15.95%	0.321%
111	8.621	8.608	8.639	VV	134600	2084837	22.63%	0.456%
112	8.668	8.639	8.722	VV	258946	7692804	83.52%	1.682%
113	8.747	8.722	8.761	VV	208192	3066537	33.29%	0.670%
114	8.779	8.761	8.792	VV	183625	2783544	30.22%	0.609%
115	8.805	8.792	8.845	VV	208186	4203688	45.64%	0.919%
116	8.888	8.845	8.925	VV	194129	4871595	52.89%	1.065%
117	8.954	8.925	8.966	VV	106586	2245480	24.38%	0.491%
118	8.982	8.966	8.995	VV	128103	1967304	21.36%	0.430%
119	9.005	8.995	9.031	VV	114070	2161535	23.47%	0.473%
120	9.048	9.031	9.076	VV	174670	3370149	36.59%	0.737%
121	9.093	9.076	9.118	VV	169617	3511305	38.12%	0.768%
122	9.130	9.118	9.143	VV	147972	1889088	20.51%	0.413%
123	9.154	9.143	9.168	VV	130129	1695043	18.40%	0.371%
124	9.182	9.168	9.197	VV	113715	1702428	18.48%	0.372%
125	9.232	9.197	9.252	VV	446323	7127249	77.38%	1.558%
126	9.266	9.252	9.288	VV	184999	2969987	32.24%	0.649%
127	9.306	9.288	9.325	VV	174309	2863006	31.08%	0.626%
128	9.356	9.325	9.371	VV	183144	3652568	39.66%	0.799%
129	9.405	9.371	9.421	VV	386892	6039714	65.57%	1.320%
130	9.446	9.421	9.489	VV	438455	7720084	83.82%	1.688%
131	9.509	9.489	9.528	VV	99045	2067093	22.44%	0.452%
132	9.563	9.528	9.578	VV	345944	5349255	58.08%	1.170%
133	9.593	9.578	9.628	VV	324694	4734365	51.40%	1.035%
134	9.644	9.628	9.657	VV	94134	1456455	15.81%	0.318%
135	9.678	9.657	9.682	VV	168247	1922297	20.87%	0.420%
136	9.699	9.682	9.729	VV	366918	5734794	62.26%	1.254%
137	9.743	9.729	9.761	VV	109869	1910275	20.74%	0.418%
138	9.779	9.761	9.793	VV	134800	2102210	22.82%	0.460%
139	9.807	9.793	9.829	VV	153890	2421495	26.29%	0.529%
140	9.861	9.829	9.887	VV	286371	5451288	59.18%	1.192%
141	9.901	9.887	9.915	VV	116151	1695173	18.40%	0.371%

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142	9.933	9.915	9.946	VV	151619	2279929	24.75%	0.498%
143	9.960	9.946	9.971	VV	168480	2157781	23	
144	9.987	9.971	10.009	VV	240392	3905803	42	
145	10.023	10.009	10.046	VV	131042	2451691	26	
146	10.061	10.046	10.084	VV	112176	2204240	23	
147	10.106	10.084	10.129	VV	175364	3711701	40	
148	10.155	10.129	10.174	VV	156983	3555446	38.60%	0.777%
149	10.203	10.174	10.225	VV	193231	4488563	48.73%	0.981%
150	10.232	10.225	10.249	VV	102013	1415515	15.37%	0.309%
151	10.264	10.249	10.279	VV	100431	1626500	17.66%	0.356%
152	10.302	10.279	10.339	VV	129991	3493772	37.93%	0.764%
153	10.368	10.339	10.418	VV	180874	5010594	54.40%	1.095%
154	10.431	10.418	10.444	VV	65372	974178	10.58%	0.213%
155	10.469	10.444	10.499	VV	92823	2496317	27.10%	0.546%
156	10.527	10.499	10.561	VV	191859	3813203	41.40%	0.834%
157	10.584	10.561	10.610	VV	148522	3119622	33.87%	0.682%
158	10.638	10.610	10.648	VV	187727	3076867	33.40%	0.673%
159	10.663	10.648	10.687	VV	223157	3605652	39.15%	0.788%
160	10.708	10.687	10.756	VV	281906	5600625	60.80%	1.224%
161	10.782	10.756	10.793	VV	186973	3025546	32.85%	0.661%
162	10.800	10.793	10.823	VV	184091	2656386	28.84%	0.581%
163	10.845	10.823	10.871	VV	175185	3789067	41.14%	0.828%
164	10.882	10.871	10.897	VV	121348	1682309	18.26%	0.368%
165	10.918	10.897	10.934	VV	132419	2598774	28.21%	0.568%
166	10.952	10.934	10.970	VV	156362	2603895	28.27%	0.569%
167	11.009	10.970	11.032	VV	204373	4951264	53.75%	1.082%
168	11.059	11.032	11.077	VV	111599	2797110	30.37%	0.612%
169	11.087	11.077	11.103	VV	96139	1314923	14.28%	0.287%
170	11.148	11.103	11.164	VV	109953	3269689	35.50%	0.715%
171	11.185	11.164	11.206	VV	183200	3165059	34.36%	0.692%
172	11.220	11.206	11.245	VV	93148	1912583	20.76%	0.418%
173	11.268	11.245	11.303	VV	99292	2790551	30.30%	0.610%
174	11.327	11.303	11.344	VV	77629	1737581	18.86%	0.380%
175	11.365	11.344	11.384	VV	99663	1986385	21.57%	0.434%
176	11.405	11.384	11.425	VV	108122	2101118	22.81%	0.459%
177	11.437	11.425	11.446	VV	74050	931702	10.12%	0.204%
178	11.497	11.446	11.518	VV	150185	4204055	45.64%	0.919%
179	11.543	11.518	11.565	VV	129139	2963108	32.17%	0.648%
180	11.582	11.565	11.630	VV	119383	3697965	40.15%	0.808%
181	11.635	11.630	11.645	VV	77495	714105	7.75%	0.156%
182	11.665	11.645	11.694	VV	114521	2822030	30.64%	0.617%
183	11.711	11.694	11.754	VV	141282	3854044	41.84%	0.843%
184	11.782	11.754	11.804	VV	100974	2379473	25.83%	0.520%
185	11.840	11.804	11.864	VV	138175	3320582	36.05%	0.726%
186	11.879	11.864	11.908	VV	81672	1893108	20.55%	0.414%
187	11.927	11.908	11.936	VV	68441	1082331	11.75%	0.237%
188	11.957	11.936	11.973	VV	151274	2377245	25.81%	0.520%
189	11.991	11.973	12.006	VV	175504	2557173	27.76%	0.559%
190	12.022	12.006	12.060	VV	211291	3392340	36.83%	0.742%
191	12.085	12.060	12.113	VV	84388	2124054	23.06%	0.464%
192	12.139	12.113	12.155	VV	142911	2474466	26.86%	0.541%
193	12.172	12.155	12.222	VV	127734	3248064	35.26%	0.710%
194	12.244	12.222	12.263	VV	67646	1456545	15.81%	0.318%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

195	12.287	12.263	12.310	VV	90704	2067668	22.45%	0.452%
196	12.329	12.310	12.353	VV	85003	1764294	19	
197	12.358	12.353	12.372	VV	60590	649767	7	
198	12.392	12.372	12.410	VV	67460	1328376	14	
199	12.430	12.410	12.447	VV	57939	1200060	13	
200	12.462	12.447	12.474	VV	54072	834106	9	
201	12.493	12.474	12.506	VV	70745	1162294	12.62%	0.254%
202	12.525	12.506	12.543	VV	78726	1449909	15.74%	0.317%
203	12.552	12.543	12.578	VV	61543	1090483	11.84%	0.238%
204	12.607	12.578	12.626	VV	59719	1417477	15.39%	0.310%
205	12.640	12.626	12.653	VV	50985	782051	8.49%	0.171%
206	12.670	12.653	12.681	VV	55949	845676	9.18%	0.185%
207	12.686	12.681	12.701	VV	50844	591080	6.42%	0.129%
208	12.736	12.701	12.757	VV	67686	1796432	19.50%	0.393%
209	12.781	12.757	12.820	VV	98807	2463520	26.75%	0.539%
210	12.860	12.820	12.868	VV	50067	1279153	13.89%	0.280%
211	12.891	12.868	12.911	VV	126147	2136671	23.20%	0.467%
212	12.927	12.911	12.943	VV	76957	1246970	13.54%	0.273%
213	12.954	12.943	12.985	VV	61976	1177726	12.79%	0.257%
214	13.005	12.985	13.021	VV	60648	1044267	11.34%	0.228%
215	13.026	13.021	13.055	VV	44403	755094	8.20%	0.165%
216	13.062	13.055	13.079	VV	30395	431518	4.68%	0.094%
217	13.132	13.079	13.153	VV	41240	1484330	16.12%	0.325%
218	13.164	13.153	13.179	VV	29383	437955	4.75%	0.096%
219	13.198	13.179	13.215	VV	32843	642047	6.97%	0.140%
220	13.227	13.215	13.239	VV	28950	405379	4.40%	0.089%
221	13.254	13.239	13.280	VV	31306	690545	7.50%	0.151%
222	13.301	13.280	13.351	VV	42555	1226008	13.31%	0.268%
223	13.395	13.351	13.424	VV	47216	1333360	14.48%	0.292%
224	13.447	13.424	13.467	VV	34030	756072	8.21%	0.165%
225	13.478	13.467	13.502	VV	27806	544205	5.91%	0.119%
226	13.511	13.502	13.532	VV	24260	388597	4.22%	0.085%
227	13.587	13.532	13.616	VV	33229	1224507	13.29%	0.268%
228	13.637	13.616	13.682	VV	38380	943773	10.25%	0.206%
229	13.701	13.682	13.716	VV	25956	427915	4.65%	0.094%
230	13.733	13.716	13.758	VV	26401	524795	5.70%	0.115%
231	13.782	13.758	13.796	VV	19697	405400	4.40%	0.089%
232	13.808	13.796	13.836	VV	19080	405845	4.41%	0.089%
233	13.852	13.836	13.871	VV	17218	334253	3.63%	0.073%
234	13.890	13.871	13.929	VV	18593	528695	5.74%	0.116%
235	13.939	13.929	13.958	VV	12681	206692	2.24%	0.045%
236	13.966	13.958	13.981	VV	10952	147331	1.60%	0.032%
237	14.002	13.981	14.022	VV	13464	301358	3.27%	0.066%
238	14.039	14.022	14.054	VV	14273	251246	2.73%	0.055%
239	14.060	14.054	14.063	VV	12477	60939	0.66%	0.013%
240	14.085	14.063	14.114	VV	14006	375250	4.07%	0.082%
241	14.121	14.114	14.140	VV	10072	152295	1.65%	0.033%
242	14.165	14.140	14.191	VV	14588	351243	3.81%	0.077%
243	14.207	14.191	14.234	VV	10950	239834	2.60%	0.052%
244	14.250	14.234	14.262	VV	8521	141229	1.53%	0.031%
245	14.268	14.262	14.325	VV	8212	268374	2.91%	0.059%
246	14.351	14.325	14.361	VV	7851	152841	1.66%	0.033%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL

rteres

Manual IntegrationsAPPROVED

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247	14.367	14.361	14.421	VV	7628	235069	2.55%	0.051%
248	14.456	14.421	14.472	VV	6457	182608	1	
249	14.482	14.472	14.490	VV	5549	56753	0	
250	14.511	14.490	14.534	VV	7852	167539	1	
251	14.545	14.534	14.550	VV	4942	45517	0	
252	14.559	14.550	14.565	VV	4991	44685	0	
253	14.585	14.565	14.595	VV	5698	95747	1.04%	0.021%
254	14.611	14.595	14.650	VV	5499	161762	1.76%	0.035%
255	14.656	14.650	14.661	VV	4221	29154	0.32%	0.006%
256	14.666	14.661	14.675	VV	4240	32556	0.35%	0.007%
257	14.718	14.675	14.743	VV	5445	187979	2.04%	0.041%
258	14.752	14.743	14.784	VV	4279	95816	1.04%	0.021%
259	14.802	14.784	14.816	VV	4287	75246	0.82%	0.016%
260	14.831	14.816	14.852	VV	4506	87748	0.95%	0.019%
261	14.868	14.852	14.888	VV	4263	80138	0.87%	0.018%
262	14.899	14.888	14.949	VV	3235	104639	1.14%	0.023%
263	14.965	14.949	14.970	VV	2676	31312	0.34%	0.007%
264	14.990	14.970	15.017	VV	3109	79947	0.87%	0.017%
265	15.030	15.017	15.055	VV	2657	53821	0.58%	0.012%
266	15.062	15.055	15.080	VV	2341	32582	0.35%	0.007%
267	15.093	15.080	15.126	VV	2060	51695	0.56%	0.011%
268	15.149	15.126	15.165	VV	1990	42782	0.46%	0.009%
269	15.180	15.165	15.198	VV	2392	39734	0.43%	0.009%
270	15.218	15.198	15.233	VV	2261	40251	0.44%	0.009%
271	15.252	15.233	15.285	VV	2438	58787	0.64%	0.013%
272	15.296	15.285	15.318	VV	1738	30311	0.33%	0.007%
273	15.335	15.318	15.359	VV	1696	37142	0.40%	0.008%
274	15.366	15.359	15.380	VV	1489	18049	0.20%	0.004%
275	15.386	15.380	15.451	VV	1500	52062	0.57%	0.011%
276	15.488	15.451	15.519	VV	1383	42715	0.46%	0.009%
277	15.525	15.519	15.533	VV	836	6241	0.07%	0.001%
278	15.538	15.533	15.565	VV	763	13842	0.15%	0.003%
279	15.574	15.565	15.585	VV	764	8642	0.09%	0.002%
280	15.590	15.585	15.601	VV	780	7227	0.08%	0.002%
281	15.630	15.601	15.670	VV	3012	64865	0.70%	0.014%
282	15.674	15.670	15.718	VV	1006	24552	0.27%	0.005%
283	15.725	15.718	15.736	VV	604	6086	0.07%	0.001%
284	15.776	15.736	15.826	VV	1503	50165	0.54%	0.011%
285	15.854	15.826	15.873	VV	1166	20195	0.22%	0.004%
286	15.888	15.873	15.930	VV	667	16650	0.18%	0.004%
287	15.935	15.930	15.943	VV	398	2888	0.03%	0.001%
288	15.984	15.943	15.991	VV	727	15592	0.17%	0.003%
289	15.996	15.991	16.036	VV	668	14311	0.16%	0.003%
290	16.055	16.036	16.065	VV	373	6063	0.07%	0.001%
291	16.093	16.065	16.116	VV	524	12775	0.14%	0.003%
292	16.118	16.116	16.128	VV	363	2332	0.03%	0.001%
293	16.134	16.128	16.151	VV	428	5311	0.06%	0.001%
294	16.156	16.151	16.160	VV	344	1738	0.02%	0.000%
295	16.165	16.160	16.202	VV	331	6717	0.07%	0.001%
296	16.238	16.202	16.251	VV	328	7084	0.08%	0.002%
297	16.275	16.251	16.308	VV	1274	20023	0.22%	0.004%
298	16.329	16.308	16.349	VV	366	5953	0.06%	0.001%
299	16.365	16.349	16.396	VV	262	3060	0.03%	0.001%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL

Manual IntegrationsAPPROVED

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rteres

300	16.415	16.396	16.420	PV	129	1110	0.01%	0.000%
301	16.460	16.420	16.474	VV	342	6553	0	
302	16.491	16.474	16.518	VV	216	3712	0	
303	16.564	16.531	16.581	VV	209	4221	0	
304	16.599	16.581	16.616	VV	191	2926	0	
305	16.661	16.628	16.689	VV	355	7368	0	
306	16.758	16.700	16.785	VV	1219	23973	0.26%	0.005%
307	16.802	16.785	16.812	VV	220	2338	0.03%	0.001%
308	16.840	16.812	16.876	VV	1007	16056	0.17%	0.004%
309	16.892	16.876	16.911	VV	221	3456	0.04%	0.001%
310	16.915	16.911	16.949	VV	195	3010	0.03%	0.001%
311	16.973	16.949	16.982	VV	207	2915	0.03%	0.001%
312	16.992	16.982	17.016	VV	192	2714	0.03%	0.001%
313	17.023	17.016	17.030	VV	196	1057	0.01%	0.000%
314	17.056	17.030	17.093	VV	485	8706	0.09%	0.002%
315	17.116	17.093	17.145	VV	484	8817	0.10%	0.002%
316	17.157	17.145	17.167	VV	202	2033	0.02%	0.000%
317	17.226	17.167	17.250	VV	1838	33998	0.37%	0.007%
318	17.276	17.250	17.313	VV	698	12683	0.14%	0.003%
319	17.337	17.313	17.347	VV	186	2333	0.03%	0.001%
320	17.363	17.347	17.376	VV	173	1980	0.02%	0.000%
321	17.484	17.402	17.490	VV	192	4631	0.05%	0.001%
322	17.500	17.490	17.511	VV	160	1649	0.02%	0.000%
323	17.522	17.511	17.529	VV	168	1527	0.02%	0.000%
324	17.558	17.529	17.576	VV	206	4307	0.05%	0.001%
325	17.585	17.576	17.625	VV	194	4170	0.05%	0.001%
326	17.676	17.625	17.718	VV	2033	32885	0.36%	0.007%
327	17.782	17.718	17.828	VV	242	6526	0.07%	0.001%
328	17.851	17.828	17.876	PV	199	3704	0.04%	0.001%
329	17.901	17.891	17.933	VV	137	2230	0.02%	0.000%
330	17.945	17.933	17.978	VV	191	2534	0.03%	0.001%
331	18.017	17.999	18.033	PV	91	1148	0.01%	0.000%
332	18.050	18.033	18.059	VV	124	1298	0.01%	0.000%
333	18.113	18.059	18.147	VV	3162	49311	0.54%	0.011%
334	18.203	18.147	18.226	VV	484	9012	0.10%	0.002%

Sum of corrected areas: 457396369

Aromatic EPH 102124.M Mon Nov 04 01:21:07 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-4DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-04DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.4	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050949.D	50	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	200		22.0	57.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	711		13.9	38.6	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	404		17.4	57.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	22.6	J	46.3	77.1	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	104	U	104	115	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:	P4599-04DL2	Acq On:	31 Oct 2024 18:04
Client Sample ID:	EX-1-TPH-4DL2	Operator:	YP\AJ
Data file:	FE050949.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	7417379	51.906	300	ug/ml
Aliphatic C12-C16	6.762	10.193	26779862	184.538	200	ug/ml
Aliphatic C16-C21	10.194	13.552	15161024	104.992	300	ug/ml
Aliphatic C21-C28	13.553	17.208	831923	5.852	400	ug/ml
Aliphatic C28-C40	17.209	22.054	0	0	600	ug/ml
Aliphatic EPH	3.144	22.054	50190188	347.289		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	3.144	17.208	50190188	347.288	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050949.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 18:04
Operator : YP\AJ
Sample : P4599-04DL2 50X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:43:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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.

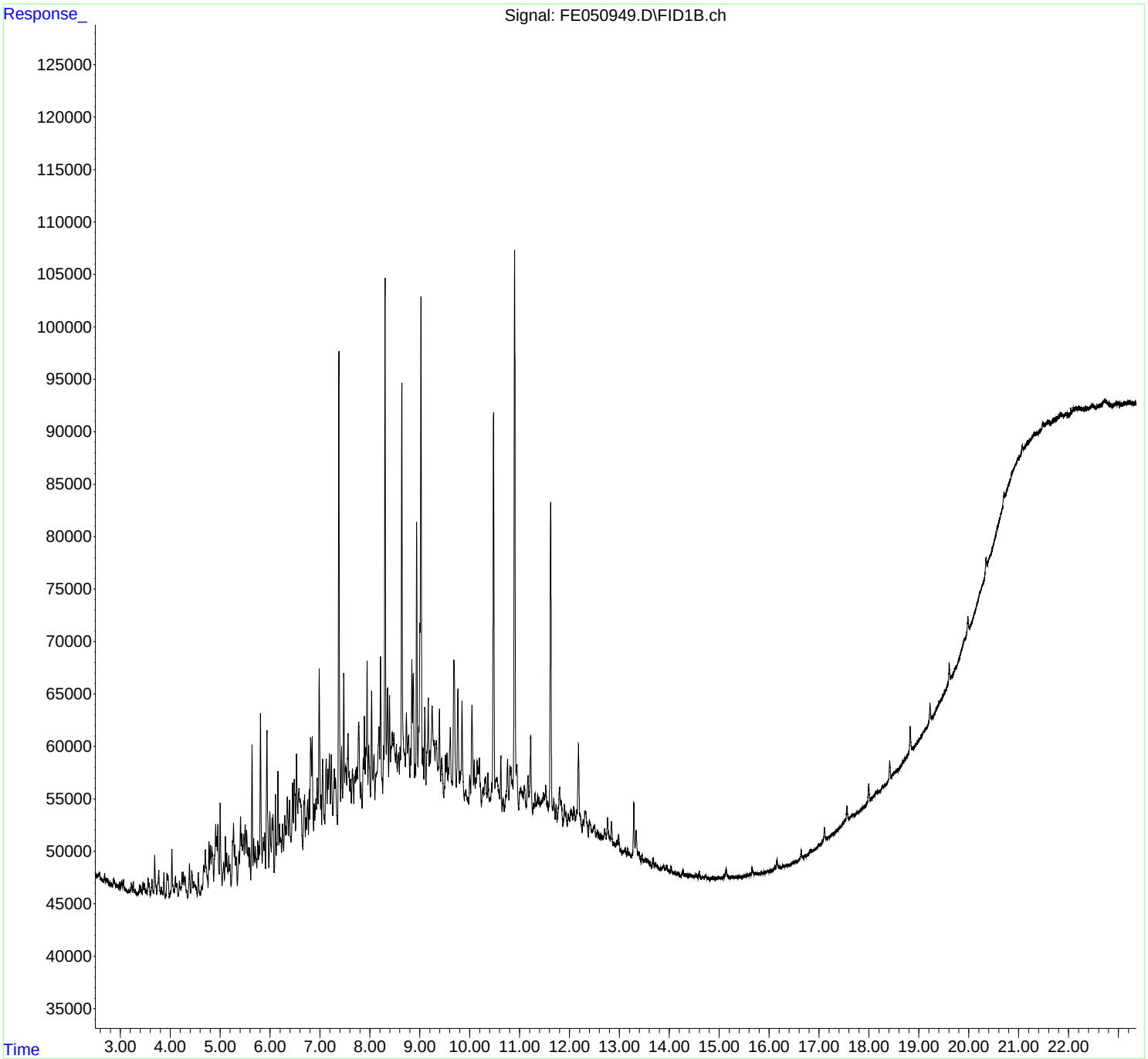
Quantitation Report (QT Reviewed)

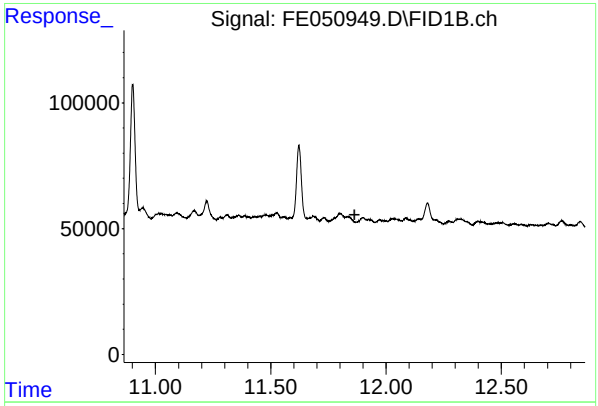
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050949.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 18:04
Operator : YP\AJ
Sample : P4599-04DL2 50X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:43:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

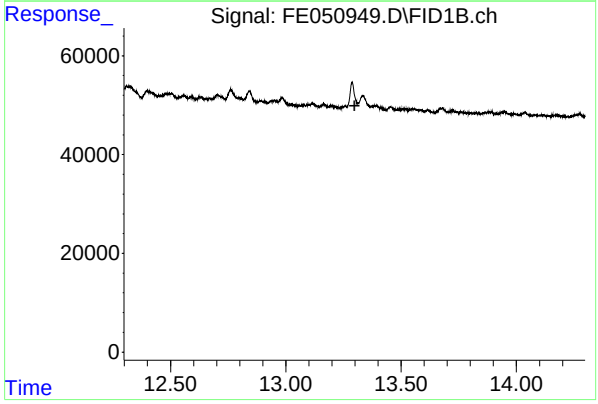




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-4DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.298 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050949.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 18:04
Sample : P4599-04DL2 50X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.294	3.279	3.337	PV	273	2679	0.20%	0.005%
2	3.386	3.337	3.401	PV	876	12948	0.99%	0.026%
3	3.413	3.401	3.435	VV	769	8613	0.66%	0.017%
4	3.455	3.435	3.469	VV	1205	14413	1.10%	0.029%
5	3.485	3.469	3.514	VV	1105	16875	1.29%	0.034%
6	3.522	3.514	3.536	VV	404	3960	0.30%	0.008%
7	3.557	3.536	3.600	VV	1565	31638	2.41%	0.063%
8	3.634	3.600	3.667	VV	1544	28049	2.14%	0.056%
9	3.689	3.667	3.731	VV	3845	59927	4.57%	0.119%
10	3.770	3.731	3.805	VV	2529	51528	3.93%	0.103%
11	3.826	3.805	3.854	VV	940	16392	1.25%	0.033%
12	3.874	3.854	3.900	VV	2336	25316	1.93%	0.050%
13	3.937	3.900	3.948	PV	2286	31827	2.43%	0.063%
14	3.956	3.948	3.986	VV	2094	26360	2.01%	0.053%
15	4.034	3.986	4.079	VV	4596	71200	5.43%	0.142%
16	4.103	4.079	4.121	VV	1880	31003	2.36%	0.062%
17	4.132	4.121	4.160	VV	1269	18104	1.38%	0.036%
18	4.184	4.160	4.216	VV	1558	29534	2.25%	0.059%
19	4.236	4.216	4.249	VV	2387	29982	2.29%	0.060%
20	4.264	4.249	4.280	VV	2383	33078	2.52%	0.066%
21	4.297	4.280	4.347	VV	1906	40652	3.10%	0.081%
22	4.386	4.347	4.411	PV	3155	44546	3.40%	0.089%
23	4.433	4.411	4.459	VV	2385	43675	3.33%	0.087%
24	4.475	4.459	4.493	VV	1417	24216	1.85%	0.048%
25	4.503	4.493	4.541	VV	1156	22723	1.73%	0.045%
26	4.563	4.541	4.604	VV	2175	34403	2.62%	0.069%
27	4.626	4.604	4.648	VV	851	16642	1.27%	0.033%
28	4.670	4.648	4.684	VV	2934	47334	3.61%	0.094%
29	4.702	4.684	4.758	VV	4434	116160	8.85%	0.231%
30	4.776	4.758	4.789	VV	5212	59424	4.53%	0.118%
31	4.802	4.789	4.820	VV	4826	73044	5.57%	0.146%
32	4.835	4.820	4.870	VV	4739	108980	8.31%	0.217%
33	4.911	4.870	4.922	VV	6853	132264	10.08%	0.264%
34	4.931	4.922	4.942	VV	5702	61014	4.65%	0.122%
35	4.954	4.942	4.980	VV	6793	98177	7.48%	0.196%
36	5.001	4.980	5.039	VV	8778	143260	10.92%	0.285%

37	5.071	5.039	5.087	VV	3207	65154	4.97%	0.130%
38	5.106	5.087	5.122	VV	5534	76191	5.81%	0.152%
39	5.133	5.122	5.157	VV	3971	62845	4.79%	0.125%
40	5.173	5.157	5.187	VV	3688	51930	3.96%	0.103%
41	5.197	5.187	5.220	VV	2955	42002	3.20%	0.084%
42	5.268	5.220	5.308	VV	6913	212479	16.19%	0.423%
43	5.323	5.308	5.345	VV	3676	62075	4.73%	0.124%
44	5.376	5.345	5.388	VV	4212	73848	5.63%	0.147%
45	5.409	5.388	5.422	VV	7466	112628	8.58%	0.224%
46	5.432	5.422	5.444	VV	5828	66959	5.10%	0.133%
47	5.470	5.444	5.483	VV	5823	112203	8.55%	0.224%
48	5.502	5.483	5.518	VV	6642	117288	8.94%	0.234%
49	5.532	5.518	5.555	VV	6128	109587	8.35%	0.218%
50	5.568	5.555	5.582	VV	4525	61622	4.70%	0.123%
51	5.595	5.582	5.613	VV	4505	60532	4.61%	0.121%
52	5.640	5.613	5.659	VV	14275	190907	14.55%	0.380%
53	5.673	5.659	5.690	VV	5269	74835	5.70%	0.149%
54	5.705	5.690	5.734	VV	4563	95155	7.25%	0.190%
55	5.756	5.734	5.770	VV	5110	84652	6.45%	0.169%
56	5.781	5.770	5.788	VV	4618	45075	3.44%	0.090%
57	5.809	5.788	5.843	VV	17247	273566	20.85%	0.545%
58	5.860	5.843	5.880	VV	5375	101537	7.74%	0.202%
59	5.893	5.880	5.910	VV	5905	78563	5.99%	0.157%
60	5.938	5.910	5.976	VV	15605	311432	23.74%	0.621%
61	5.998	5.976	6.024	VV	7877	150972	11.51%	0.301%
62	6.041	6.024	6.050	VV	7153	89888	6.85%	0.179%
63	6.060	6.050	6.088	VV	7638	106958	8.15%	0.213%
64	6.109	6.088	6.125	VV	9428	126204	9.62%	0.251%
65	6.159	6.125	6.178	VV	11685	217359	16.57%	0.433%
66	6.191	6.178	6.231	VV	6651	166407	12.68%	0.332%
67	6.250	6.231	6.272	VV	6661	131653	10.03%	0.262%
68	6.297	6.272	6.311	VV	7423	141959	10.82%	0.283%
69	6.346	6.311	6.371	VV	9152	250278	19.08%	0.499%
70	6.391	6.371	6.420	VV	8851	198122	15.10%	0.395%
71	6.452	6.420	6.469	VV	10471	224989	17.15%	0.448%
72	6.485	6.469	6.512	VV	10858	227881	17.37%	0.454%
73	6.531	6.512	6.556	VV	13243	256421	19.54%	0.511%
74	6.580	6.556	6.657	VV	10017	481543	36.70%	0.959%
75	6.692	6.657	6.708	VV	9305	227328	17.33%	0.453%
76	6.720	6.708	6.731	VV	7058	87038	6.63%	0.173%
77	6.754	6.731	6.771	VV	8773	179374	13.67%	0.357%
78	6.785	6.771	6.796	VV	9796	118307	9.02%	0.236%
79	6.815	6.796	6.833	VV	14711	273998	20.88%	0.546%
80	6.845	6.833	6.872	VV	14800	241663	18.42%	0.481%
81	6.886	6.872	6.898	VV	8382	116799	8.90%	0.233%
82	6.919	6.898	6.929	VV	8938	152277	11.61%	0.303%
83	6.945	6.929	6.961	VV	10846	181227	13.81%	0.361%
84	6.986	6.961	7.014	VV	21249	421288	32.11%	0.839%
85	7.023	7.014	7.036	VV	9293	108564	8.27%	0.216%
86	7.054	7.036	7.098	VV	12602	335485	25.57%	0.668%
87	7.125	7.098	7.144	VV	12611	279641	21.31%	0.557%
88	7.159	7.144	7.170	VV	11732	160574	12.24%	0.320%
89	7.190	7.170	7.210	VV	13220	263333	20.07%	0.525%

90	7.229	7.210	7.259	VV	12991	298529	22.75%	0.595%
91	7.289	7.259	7.302	VV	11687	256629	19.56%	0.511%
92	7.314	7.302	7.351	VV	10821	255588	19.48%	0.509%
93	7.380	7.351	7.415	VV	51396	811563	61.86%	1.617%
94	7.434	7.415	7.455	VV	13774	267672	20.40%	0.533%
95	7.478	7.455	7.498	VV	20833	359679	27.41%	0.717%
96	7.511	7.498	7.537	VV	11857	264745	20.18%	0.527%
97	7.564	7.537	7.599	VV	15029	452973	34.52%	0.903%
98	7.611	7.599	7.629	VV	10688	176561	13.46%	0.352%
99	7.653	7.629	7.678	VV	11662	298551	22.75%	0.595%
100	7.713	7.678	7.724	VV	11492	289189	22.04%	0.576%
101	7.737	7.724	7.751	VV	11793	183318	13.97%	0.365%
102	7.779	7.751	7.809	VV	16056	443652	33.81%	0.884%
103	7.822	7.809	7.848	VV	10303	216523	16.50%	0.431%
104	7.891	7.848	7.907	VV	16609	442182	33.70%	0.881%
105	7.945	7.907	7.963	VV	21882	495161	37.74%	0.987%
106	7.978	7.963	8.012	VV	13670	345064	26.30%	0.688%
107	8.036	8.012	8.058	VV	18966	365557	27.86%	0.728%
108	8.083	8.058	8.103	VV	12988	307121	23.41%	0.612%
109	8.183	8.103	8.198	VV	15513	694267	52.92%	1.383%
110	8.215	8.198	8.258	VV	22180	515989	39.33%	1.028%
111	8.305	8.258	8.331	VV	58043	1004821	76.59%	2.002%
112	8.355	8.331	8.377	VV	19240	420620	32.06%	0.838%
113	8.395	8.377	8.416	VV	18477	340308	25.94%	0.678%
114	8.449	8.416	8.470	VV	15022	451587	34.42%	0.900%
115	8.484	8.470	8.517	VV	14884	387587	29.54%	0.772%
116	8.533	8.517	8.551	VV	13638	259349	19.77%	0.517%
117	8.577	8.551	8.592	VV	13098	298659	22.76%	0.595%
118	8.607	8.592	8.616	VV	13565	183769	14.01%	0.366%
119	8.641	8.616	8.712	VV	48230	1124983	85.74%	2.241%
120	8.733	8.712	8.754	VV	16796	366644	27.94%	0.731%
121	8.774	8.754	8.801	VV	14636	375322	28.61%	0.748%
122	8.843	8.801	8.856	VV	21731	490830	37.41%	0.978%
123	8.871	8.856	8.897	VV	20540	409370	31.20%	0.816%
124	8.909	8.897	8.917	VV	11822	132672	10.11%	0.264%
125	8.939	8.917	8.963	VV	34956	569291	43.39%	1.134%
126	9.025	8.963	9.053	VV	56254	1312029	100.00%	2.614%
127	9.065	9.053	9.083	VV	13445	219808	16.75%	0.438%
128	9.103	9.083	9.126	VV	17273	349887	26.67%	0.697%
129	9.171	9.126	9.190	VV	18123	527012	40.17%	1.050%
130	9.204	9.190	9.216	VV	13149	193095	14.72%	0.385%
131	9.248	9.216	9.275	VV	17308	531548	40.51%	1.059%
132	9.284	9.275	9.306	VV	13990	257131	19.60%	0.512%
133	9.335	9.306	9.363	VV	14062	442117	33.70%	0.881%
134	9.395	9.363	9.419	VV	17052	438702	33.44%	0.874%
135	9.438	9.419	9.479	VV	12352	389508	29.69%	0.776%
136	9.517	9.479	9.531	VV	12609	329784	25.14%	0.657%
137	9.547	9.531	9.563	VV	12845	224363	17.10%	0.447%
138	9.613	9.563	9.650	VV	15249	628582	47.91%	1.252%
139	9.687	9.650	9.731	VV	21505	717613	54.69%	1.430%
140	9.764	9.731	9.794	VV	18852	514105	39.18%	1.024%
141	9.805	9.794	9.817	VV	10985	145412	11.08%	0.290%

142	9.848	9.817	9.893	VV	17765	543058	41.39%	1.082%
143	9.926	9.893	9.960	VV	9193	352565	26.87%	0.702%
144	9.970	9.960	9.980	VV	8547	103535	7.89%	0.206%
145	10.003	9.980	10.020	VV	10577	228671	17.43%	0.456%
146	10.047	10.020	10.078	VV	17281	450295	34.32%	0.897%
147	10.093	10.078	10.112	VV	12135	218043	16.62%	0.434%
148	10.149	10.112	10.162	VV	11993	324229	24.71%	0.646%
149	10.172	10.162	10.182	VV	11356	129289	9.85%	0.258%
150	10.195	10.182	10.235	VV	12296	325003	24.77%	0.648%
151	10.269	10.235	10.283	VV	9410	254277	19.38%	0.507%
152	10.323	10.283	10.346	VV	10460	363374	27.70%	0.724%
153	10.366	10.346	10.394	VV	10880	271289	20.68%	0.541%
154	10.440	10.394	10.450	VV	9791	289561	22.07%	0.577%
155	10.479	10.450	10.508	VV	45197	809686	61.71%	1.613%
156	10.535	10.508	10.604	VV	10283	555032	42.30%	1.106%
157	10.626	10.604	10.650	VV	12422	264392	20.15%	0.527%
158	10.667	10.650	10.696	VV	8375	215921	16.46%	0.430%
159	10.760	10.696	10.786	VV	12096	497547	37.92%	0.991%
160	10.809	10.786	10.819	VV	11315	193150	14.72%	0.385%
161	10.829	10.819	10.867	VV	11303	300643	22.91%	0.599%
162	10.902	10.867	10.932	VV	60743	1062647	80.99%	2.117%
163	10.945	10.932	10.981	VV	11418	286495	21.84%	0.571%
164	11.016	10.981	11.072	VV	9280	476049	36.28%	0.948%
165	11.092	11.072	11.131	VV	9473	303250	23.11%	0.604%
166	11.167	11.131	11.189	VV	10361	312031	23.78%	0.622%
167	11.222	11.189	11.264	VV	14270	441481	33.65%	0.880%
168	11.282	11.264	11.291	VV	7752	120797	9.21%	0.241%
169	11.310	11.291	11.331	VV	8733	192753	14.69%	0.384%
170	11.361	11.331	11.374	VV	8576	210458	16.04%	0.419%
171	11.386	11.374	11.414	VV	8356	188012	14.33%	0.375%
172	11.478	11.414	11.501	VV	8692	422911	32.23%	0.843%
173	11.525	11.501	11.546	VV	9438	233148	17.77%	0.465%
174	11.557	11.546	11.572	VV	7895	118840	9.06%	0.237%
175	11.622	11.572	11.659	VV	36332	789926	60.21%	1.574%
176	11.686	11.659	11.711	VV	8043	232977	17.76%	0.464%
177	11.731	11.711	11.751	VV	7559	164797	12.56%	0.328%
178	11.800	11.751	11.824	VV	9197	334744	25.51%	0.667%
179	11.834	11.824	11.870	VV	7823	193451	14.74%	0.385%
180	11.900	11.870	11.916	VV	7502	182538	13.91%	0.364%
181	11.925	11.916	11.952	VV	6705	139563	10.64%	0.278%
182	11.973	11.952	12.006	VV	6623	200824	15.31%	0.400%
183	12.029	12.006	12.068	VV	6926	243343	18.55%	0.485%
184	12.086	12.068	12.124	VV	7319	224171	17.09%	0.447%
185	12.142	12.124	12.154	VV	6986	120571	9.19%	0.240%
186	12.180	12.154	12.250	VV	13303	454633	34.65%	0.906%
187	12.274	12.250	12.291	VV	6043	137067	10.45%	0.273%
188	12.311	12.291	12.375	VV	6833	304014	23.17%	0.606%
189	12.399	12.375	12.461	VV	5924	272685	20.78%	0.543%
190	12.505	12.461	12.528	VV	5413	206841	15.76%	0.412%
191	12.557	12.528	12.576	VV	5004	133881	10.20%	0.267%
192	12.588	12.576	12.610	VV	4775	91256	6.96%	0.182%
193	12.628	12.610	12.661	VV	4674	134623	10.26%	0.268%
194	12.704	12.661	12.736	VV	5074	205957	15.70%	0.410%

195	12.762	12.736	12.815	VV	6138	230569	17.57%	0.459%
196	12.842	12.815	12.873	VV	5777	160144	12.21%	0.319%
197	12.891	12.873	12.923	VV	3827	108981	8.31%	0.217%
198	12.950	12.923	12.964	VV	3927	93006	7.09%	0.185%
199	12.984	12.964	13.078	VV	4498	224552	17.11%	0.447%
200	13.115	13.078	13.145	VV	3243	118019	9.00%	0.235%
201	13.165	13.145	13.185	VV	3168	67900	5.18%	0.135%
202	13.194	13.185	13.244	VV	2751	91423	6.97%	0.182%
203	13.287	13.244	13.313	VV	7520	171145	13.04%	0.341%
204	13.335	13.313	13.370	VV	4811	124604	9.50%	0.248%
205	13.389	13.370	13.434	VV	2795	94366	7.19%	0.188%
206	13.454	13.434	13.483	VV	2551	62792	4.79%	0.125%
207	13.512	13.483	13.532	VV	2057	59412	4.53%	0.118%
208	13.548	13.532	13.601	VV	2064	77502	5.91%	0.154%
209	13.616	13.601	13.644	VV	1814	40480	3.09%	0.081%
210	13.677	13.644	13.702	VV	2183	61805	4.71%	0.123%
211	13.722	13.702	13.794	VV	1667	77793	5.93%	0.155%
212	13.804	13.794	13.814	VV	1172	13581	1.04%	0.027%
213	13.828	13.814	13.845	VV	1206	21050	1.60%	0.042%
214	13.887	13.845	13.924	VV	1422	58162	4.43%	0.116%
215	13.947	13.924	13.981	VV	1442	40260	3.07%	0.080%
216	13.985	13.981	14.013	VV	1001	17112	1.30%	0.034%
217	14.035	14.013	14.068	VV	1326	31274	2.38%	0.062%
218	14.082	14.068	14.101	VV	736	13920	1.06%	0.028%
219	14.117	14.101	14.151	VV	741	19081	1.45%	0.038%
220	14.167	14.151	14.230	VV	701	26117	1.99%	0.052%
221	14.273	14.230	14.308	VV	884	28111	2.14%	0.056%
222	14.322	14.308	14.371	VV	518	16263	1.24%	0.032%
223	14.411	14.371	14.431	VV	458	13353	1.02%	0.027%
224	14.443	14.431	14.506	VV	401	15017	1.14%	0.030%
225	14.518	14.506	14.531	VV	367	4950	0.38%	0.010%
226	14.547	14.531	14.577	VV	437	8227	0.63%	0.016%
227	14.600	14.577	14.637	VV	722	11878	0.91%	0.024%
228	14.668	14.637	14.698	VV	224	6691	0.51%	0.013%
229	14.730	14.698	14.788	VV	316	9588	0.73%	0.019%
230	14.794	14.788	14.841	VV	95	1223	0.09%	0.002%
231	14.886	14.841	14.938	VV	161	3934	0.30%	0.008%
232	14.987	14.938	15.024	PV	177	3930	0.30%	0.008%
233	15.041	15.024	15.073	VV	122	1922	0.15%	0.004%
234	15.137	15.073	15.211	VV	895	23769	1.81%	0.047%
235	15.262	15.211	15.318	VV	172	6190	0.47%	0.012%
236	15.327	15.318	15.359	VV	97	1421	0.11%	0.003%
237	15.388	15.359	15.440	PV	163	2484	0.19%	0.005%
238	15.473	15.440	15.498	PV	96	1723	0.13%	0.003%
239	15.546	15.498	15.579	VV	119	4091	0.31%	0.008%
240	15.621	15.579	15.635	VV	201	3971	0.30%	0.008%
241	15.658	15.635	15.716	VV	699	14083	1.07%	0.028%
242	15.726	15.716	15.758	VV	190	2723	0.21%	0.005%
243	15.800	15.758	15.818	VV	104	1431	0.11%	0.003%
244	15.848	15.818	15.864	PV	104	1376	0.10%	0.003%
245	15.878	15.864	15.888	VV	72	952	0.07%	0.002%
246	15.978	15.888	15.991	VV	143	4806	0.37%	0.010%

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247	16.043	15.991	16.059	VV	90	3054	0.23%	0.006%
248	16.120	16.059	16.133	PV	366	7863	0.60%	0.016%
249	16.159	16.133	16.244	VV	951	20375	1.55%	0.041%
250	16.291	16.244	16.317	VV	225	5372	0.41%	0.011%
251	16.349	16.317	16.401	PV	164	4445	0.34%	0.009%
252	16.531	16.401	16.544	VV	119	6738	0.51%	0.013%
253	16.642	16.544	16.697	PV	876	22844	1.74%	0.046%
254	16.995	16.697	17.021	VV	638	63675	4.85%	0.127%
255	17.108	17.021	17.171	VV	1867	82815	6.31%	0.165%

Sum of corrected areas: 50190184

Aliphatic EPH 100824.M Fri Nov 01 09:07:38 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-4DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-04DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.4	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014605.D	25	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	97.8		8.68	19.3	mg/kg
Aromatic C12-C16	Aromatic C12-C16	480		9.83	28.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	807		27.8	48.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	36.6	J	57.9	77.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	4.70		40 - 140	235%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	4.53		40 - 140	226%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.68		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:	P4599-04DL2	Acq On:	31 Oct 2024 12:20
Client Sample ID:	EX-1-TPH-4DL2	Operator:	YP\AJ
Data file:	FG014605.D	Misc:	
Instrument:	FID_G	ALS Vial:	41
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	7076645	50.73	200	ug/ml
Aromatic C12-C16	6.386	9.086	36241808	249.165	300	ug/ml
Aromatic C16-C21	9.087	13.404	60629527	418.633	500	ug/ml
Aromatic C21-C36	13.405	18.847	2700340	18.998	800	ug/ml
Aromatic EPH	4.516	18.847	106648320	737.527		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	590600	4.7		ug/ml
2-Flurobiphenyl (SURR)	8.884	8.884	390142	4.53		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	248172	1.68		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014605.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 12:20
Operator : YP\AJ
Sample : P4599-04DL2 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:26:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.011	590600	4.705 ug/mlm
Spiked Amount 50.000		Recovery =	9.41%
6) S 2-Flurobiphenyl (SURR)	8.884	390142	4.529 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.06%
11) S ortho-Terphenyl (SURR)	11.954	248172	1.676 ug/mlm
Spiked Amount 50.000		Recovery =	3.35%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014605.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 12:20
Operator : YP\AJ
Sample : P4599-04DL2 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

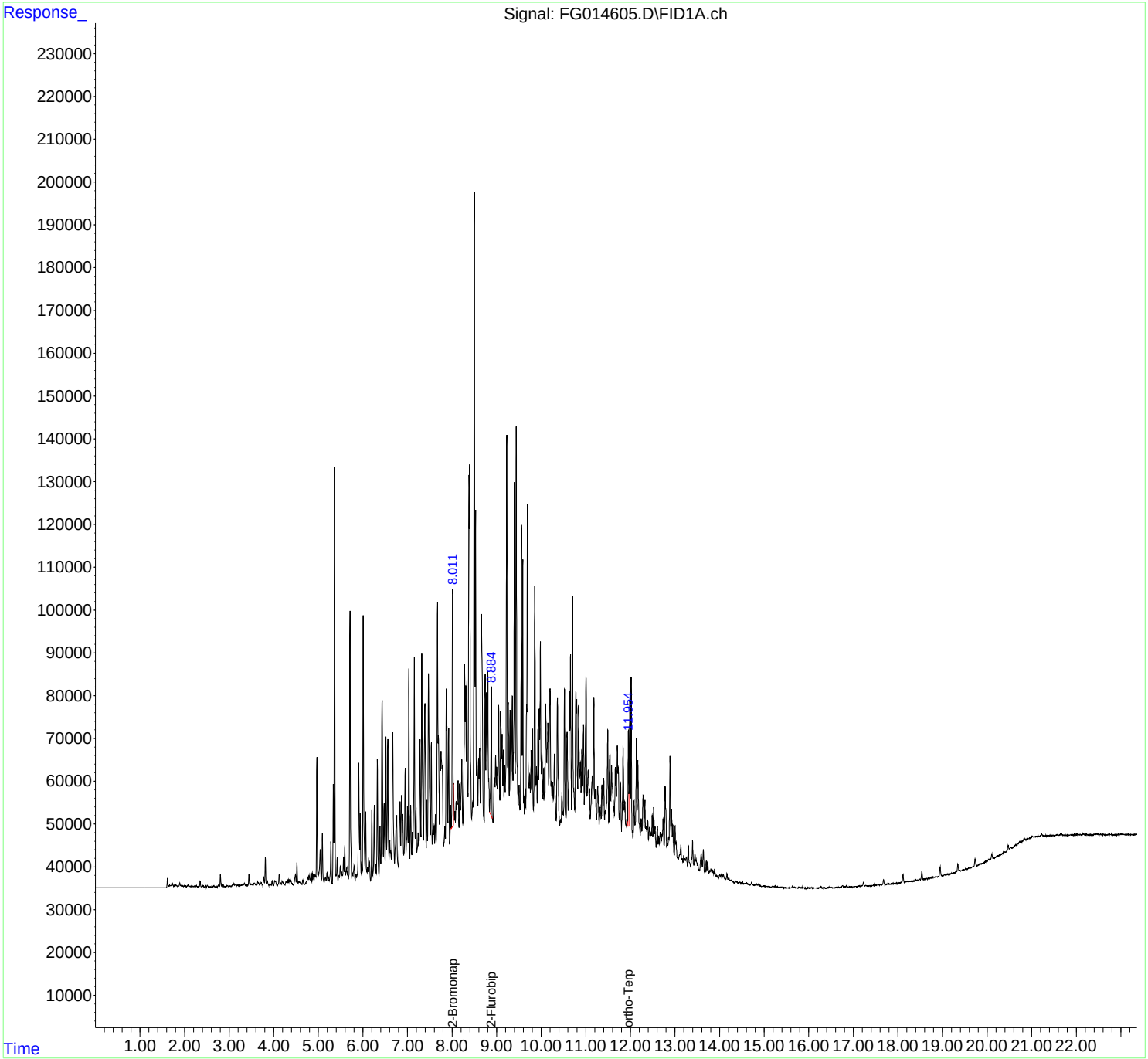
Integration File: autoint1.e
Quant Time: Nov 01 01:26:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

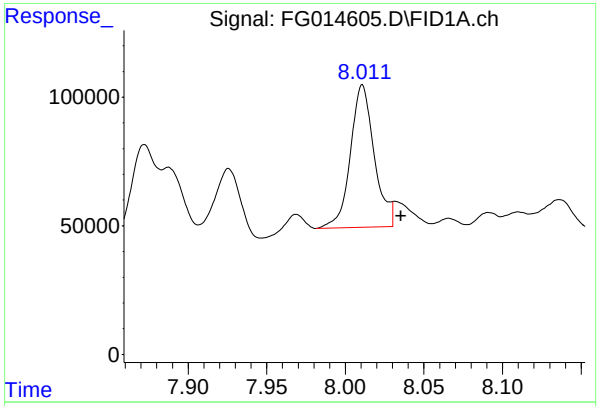
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024





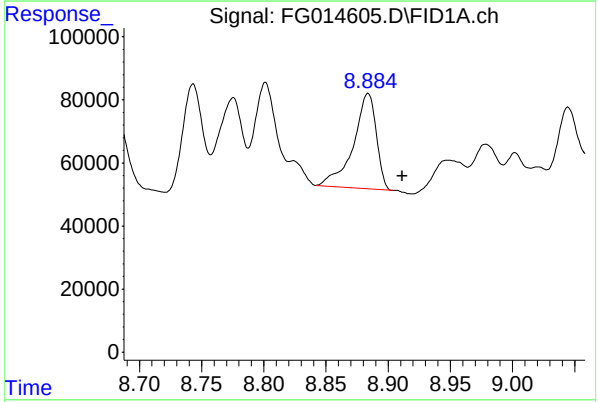
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.025 min
Response: 590600
Conc: 4.70 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

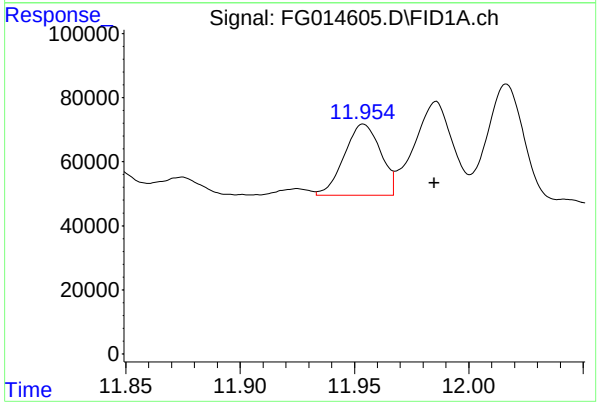
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.884 min
Delta R.T.: -0.028 min
Response: 390142
Conc: 4.53 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.031 min
Response: 248172
Conc: 1.68 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014605.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 12:20
Sample : P4599-04DL2 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.251	4.286	BV	769	8746	0.40%	0.008%
2	4.295	4.286	4.307	VV	640	7194	0.33%	0.007%
3	4.324	4.307	4.337	VV	1317	15554	0.71%	0.014%
4	4.352	4.337	4.367	VV	1234	17132	0.78%	0.016%
5	4.386	4.367	4.438	VV	1018	22202	1.01%	0.020%
6	4.488	4.438	4.504	PV	2482	45882	2.08%	0.042%
7	4.521	4.504	4.547	VV	5312	62629	2.84%	0.057%
8	4.565	4.547	4.570	VV	833	9784	0.44%	0.009%
9	4.582	4.570	4.603	VV	830	13947	0.63%	0.013%
10	4.615	4.603	4.630	VV	592	7450	0.34%	0.007%
11	4.654	4.630	4.681	VV	1274	19917	0.90%	0.018%
12	4.685	4.681	4.696	VV	276	2036	0.09%	0.002%
13	4.717	4.696	4.721	VV	455	5530	0.25%	0.005%
14	4.764	4.721	4.777	VV	1677	39722	1.80%	0.036%
15	4.793	4.777	4.813	VV	2309	38249	1.74%	0.035%
16	4.836	4.813	4.850	VV	3054	42464	1.93%	0.039%
17	4.864	4.850	4.877	VV	2928	32753	1.49%	0.030%
18	4.893	4.877	4.909	VV	2585	39491	1.79%	0.036%
19	4.924	4.909	4.935	VV	2415	33379	1.52%	0.030%
20	4.943	4.935	4.947	VV	2223	15950	0.72%	0.015%
21	4.968	4.947	4.989	VV	29888	311142	14.13%	0.284%
22	5.000	4.989	5.011	VV	3106	36736	1.67%	0.033%
23	5.044	5.011	5.070	VV	8426	156317	7.10%	0.142%
24	5.092	5.070	5.131	VV	12179	152845	6.94%	0.139%
25	5.159	5.131	5.175	VV	1854	36694	1.67%	0.033%
26	5.194	5.175	5.214	VV	2976	43945	2.00%	0.040%
27	5.226	5.214	5.248	VV	2027	32237	1.46%	0.029%
28	5.283	5.248	5.313	VV	10280	138703	6.30%	0.126%
29	5.338	5.313	5.349	VV	23662	233624	10.61%	0.213%
30	5.365	5.349	5.396	VV	97497	982318	44.60%	0.895%
31	5.424	5.396	5.442	VV	6687	94799	4.30%	0.086%
32	5.463	5.442	5.476	VV	2321	39740	1.80%	0.036%
33	5.495	5.476	5.512	VV	4573	72458	3.29%	0.066%
34	5.523	5.512	5.546	VV	3131	53507	2.43%	0.049%
35	5.567	5.546	5.579	VV	6763	88246	4.01%	0.080%
36	5.595	5.579	5.612	VV	9394	113896	5.17%	0.104%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

37	5.638	5.612	5.652	VV	4150	79085	3.59%	0.072%
38	5.658	5.652	5.674	VV	2978	32918	1	
39	5.711	5.674	5.752	VV	64158	775698	35	
40	5.767	5.752	5.777	VV	2830	35424	1	
41	5.804	5.777	5.827	VV	4635	94923	4	
42	5.848	5.827	5.860	VV	2632	41422	1	
43	5.907	5.860	5.930	VV	28683	448565	20.37%	0.409%
44	5.942	5.930	5.961	VV	16908	186546	8.47%	0.170%
45	5.976	5.961	5.987	VV	5748	71911	3.27%	0.066%
46	6.008	5.987	6.048	VV	63104	820906	37.27%	0.748%
47	6.065	6.048	6.083	VV	17288	196801	8.94%	0.179%
48	6.087	6.083	6.097	VV	3788	29079	1.32%	0.026%
49	6.108	6.097	6.118	VV	4402	49448	2.25%	0.045%
50	6.132	6.118	6.144	VV	6693	80532	3.66%	0.073%
51	6.150	6.144	6.175	VV	5375	61577	2.80%	0.056%
52	6.202	6.175	6.222	VV	17795	204730	9.30%	0.187%
53	6.256	6.222	6.274	VV	18848	257902	11.71%	0.235%
54	6.285	6.274	6.301	VV	5118	64842	2.94%	0.059%
55	6.325	6.301	6.360	VV	29663	401132	18.21%	0.365%
56	6.384	6.360	6.403	VV	13864	192696	8.75%	0.176%
57	6.432	6.403	6.460	VV	43332	764055	34.69%	0.696%
58	6.476	6.460	6.499	VV	19231	282745	12.84%	0.258%
59	6.518	6.499	6.535	VV	34811	394733	17.92%	0.360%
60	6.560	6.535	6.589	VV	34234	544103	24.70%	0.496%
61	6.604	6.589	6.616	VV	10589	140461	6.38%	0.128%
62	6.623	6.616	6.637	VV	8252	93362	4.24%	0.085%
63	6.670	6.637	6.711	VV	35898	738440	33.53%	0.673%
64	6.758	6.711	6.798	VV	16466	494499	22.45%	0.451%
65	6.835	6.798	6.850	VV	19703	386479	17.55%	0.352%
66	6.870	6.850	6.885	VV	21194	348368	15.82%	0.317%
67	6.896	6.885	6.917	VV	16767	238951	10.85%	0.218%
68	6.949	6.917	6.968	VV	27561	459678	20.87%	0.419%
69	7.001	6.968	7.015	VV	18629	356327	16.18%	0.325%
70	7.032	7.015	7.053	VV	50828	574280	26.07%	0.523%
71	7.073	7.053	7.098	VV	18945	327895	14.89%	0.299%
72	7.112	7.098	7.122	VV	12576	151285	6.87%	0.138%
73	7.155	7.122	7.176	VV	53491	788814	35.82%	0.719%
74	7.192	7.176	7.212	VV	18315	289163	13.13%	0.263%
75	7.241	7.212	7.256	VV	12458	263435	11.96%	0.240%
76	7.281	7.256	7.302	VV	34247	561903	25.51%	0.512%
77	7.322	7.302	7.360	VV	54279	957252	43.46%	0.872%
78	7.391	7.360	7.421	VV	42667	955313	43.37%	0.870%
79	7.436	7.421	7.451	VV	20031	258367	11.73%	0.235%
80	7.473	7.451	7.516	VV	49652	1070757	48.62%	0.976%
81	7.536	7.516	7.556	VV	33528	499248	22.67%	0.455%
82	7.576	7.556	7.587	VV	13756	224363	10.19%	0.204%
83	7.598	7.587	7.612	VV	14197	184394	8.37%	0.168%
84	7.628	7.612	7.644	VV	16695	256126	11.63%	0.233%
85	7.674	7.644	7.689	VV	66357	934194	42.42%	0.851%
86	7.695	7.689	7.720	VV	35167	509068	23.11%	0.464%
87	7.735	7.720	7.743	VV	30121	336778	15.29%	0.307%
88	7.754	7.743	7.776	VV	31555	584221	26.53%	0.532%
89	7.782	7.776	7.813	VV	28296	411696	18.69%	0.375%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

rteres

90	7.841	7.813	7.852	VV	14018	273231	12.41%	0.249%
91	7.872	7.852	7.883	VV	46136	588488	26	
92	7.887	7.883	7.907	VV	37377	389724	17	
93	7.926	7.907	7.947	VV	36790	547357	24	
94	7.969	7.947	7.982	VV	18978	298329	13	
95	8.011	7.982	8.055	VV	69518	1287175	58	
96	8.066	8.055	8.077	VV	17507	216790	9.84%	0.198%
97	8.091	8.077	8.099	VV	19754	237265	10.77%	0.216%
98	8.110	8.099	8.117	VV	19992	209271	9.50%	0.191%
99	8.136	8.117	8.155	VV	24698	461377	20.95%	0.420%
100	8.171	8.155	8.188	VV	23938	392824	17.84%	0.358%
101	8.220	8.188	8.241	VV	29636	700366	31.80%	0.638%
102	8.282	8.241	8.299	VV	51908	1116129	50.68%	1.017%
103	8.308	8.299	8.321	VV	46889	527201	23.94%	0.480%
104	8.333	8.321	8.359	VV	48334	747731	33.95%	0.681%
105	8.380	8.359	8.387	VV	95925	1050561	47.70%	0.957%
106	8.395	8.387	8.439	VV	98567	1473222	66.89%	1.342%
107	8.463	8.439	8.470	VV	19629	332156	15.08%	0.303%
108	8.501	8.470	8.517	VV	162355	2202454	100.00%	2.007%
109	8.529	8.517	8.549	VV	88025	1098180	49.86%	1.001%
110	8.560	8.549	8.581	VV	28758	475740	21.60%	0.433%
111	8.595	8.581	8.604	VV	29934	360519	16.37%	0.328%
112	8.616	8.604	8.635	VV	32304	496141	22.53%	0.452%
113	8.659	8.635	8.721	VV	63612	1885253	85.60%	1.718%
114	8.743	8.721	8.757	VV	49679	722234	32.79%	0.658%
115	8.775	8.757	8.788	VV	45263	667648	30.31%	0.608%
116	8.801	8.788	8.842	VV	50209	1026853	46.62%	0.936%
117	8.884	8.842	8.919	VV	46754	1146753	52.07%	1.045%
118	8.948	8.919	8.964	VV	25474	577649	26.23%	0.526%
119	8.979	8.964	8.993	VV	30543	465501	21.14%	0.424%
120	9.002	8.993	9.015	VV	27908	336149	15.26%	0.306%
121	9.020	9.015	9.027	VV	23372	174993	7.95%	0.159%
122	9.045	9.027	9.072	VV	42320	809719	36.76%	0.738%
123	9.090	9.072	9.114	VV	40956	854320	38.79%	0.778%
124	9.124	9.114	9.139	VV	35662	451627	20.51%	0.412%
125	9.150	9.139	9.165	VV	31952	416477	18.91%	0.379%
126	9.178	9.165	9.192	VV	28393	402034	18.25%	0.366%
127	9.226	9.192	9.248	VV	105498	1719695	78.08%	1.567%
128	9.261	9.248	9.284	VV	42965	728060	33.06%	0.663%
129	9.301	9.284	9.321	VV	41242	679495	30.85%	0.619%
130	9.352	9.321	9.366	VV	44438	885645	40.21%	0.807%
131	9.398	9.366	9.416	VV	94512	1448825	65.78%	1.320%
132	9.438	9.416	9.485	VV	107535	1893796	85.99%	1.726%
133	9.504	9.485	9.523	VV	23715	476031	21.61%	0.434%
134	9.556	9.523	9.572	VV	84487	1279170	58.08%	1.166%
135	9.586	9.572	9.605	VV	76350	942503	42.79%	0.859%
136	9.612	9.605	9.624	VV	21267	227308	10.32%	0.207%
137	9.639	9.624	9.652	VV	22969	343308	15.59%	0.313%
138	9.692	9.652	9.728	VV	89404	1889397	85.79%	1.722%
139	9.740	9.728	9.757	VV	26287	421270	19.13%	0.384%
140	9.774	9.757	9.788	VV	31873	492921	22.38%	0.449%
141	9.803	9.788	9.825	VV	36884	599809	27.23%	0.547%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

142	9.856	9.825	9.883	VV	70262	1309833	59.47%	1.193%
143	9.896	9.883	9.910	VV	28047	411397	18	
144	9.928	9.910	9.942	VV	36831	546773	24	
145	9.957	9.942	9.967	VV	41628	533319	24	
146	9.982	9.967	10.001	VV	57286	872495	39	
147	10.018	10.001	10.041	VV	31380	640207	29	
148	10.057	10.041	10.078	VV	27788	516264	23.44%	0.470%
149	10.101	10.078	10.124	VV	42746	899975	40.86%	0.820%
150	10.151	10.124	10.169	VV	38317	872121	39.60%	0.795%
151	10.198	10.169	10.220	VV	46305	1080725	49.07%	0.985%
152	10.228	10.220	10.245	VV	24717	349085	15.85%	0.318%
153	10.259	10.245	10.275	VV	24416	400654	18.19%	0.365%
154	10.299	10.275	10.335	VV	31053	824441	37.43%	0.751%
155	10.364	10.335	10.414	VV	44239	1204250	54.68%	1.097%
156	10.429	10.414	10.441	VV	15701	244411	11.10%	0.223%
157	10.466	10.441	10.481	VV	22143	447445	20.32%	0.408%
158	10.487	10.481	10.499	VV	17368	183841	8.35%	0.168%
159	10.522	10.499	10.556	VV	46268	865522	39.30%	0.789%
160	10.580	10.556	10.606	VV	36174	767494	34.85%	0.699%
161	10.631	10.606	10.642	VV	45807	698910	31.73%	0.637%
162	10.657	10.642	10.681	VV	54306	892031	40.50%	0.813%
163	10.701	10.681	10.752	VV	67927	1367003	62.07%	1.246%
164	10.777	10.752	10.786	VV	45464	674495	30.62%	0.615%
165	10.795	10.786	10.817	VV	43851	675519	30.67%	0.616%
166	10.840	10.817	10.863	VV	42372	869986	39.50%	0.793%
167	10.878	10.863	10.892	VV	29127	464751	21.10%	0.423%
168	10.912	10.892	10.930	VV	32248	624468	28.35%	0.569%
169	10.948	10.930	10.966	VV	37983	631132	28.66%	0.575%
170	11.004	10.966	11.027	VV	48927	1196714	54.34%	1.090%
171	11.052	11.027	11.074	VV	27205	687312	31.21%	0.626%
172	11.083	11.074	11.099	VV	23023	307905	13.98%	0.281%
173	11.145	11.099	11.160	VV	25807	778658	35.35%	0.709%
174	11.180	11.160	11.202	VV	44425	758604	34.44%	0.691%
175	11.215	11.202	11.242	VV	22760	468719	21.28%	0.427%
176	11.265	11.242	11.300	VV	23642	674082	30.61%	0.614%
177	11.323	11.300	11.342	VV	18657	430027	19.52%	0.392%
178	11.362	11.342	11.380	VV	23940	452282	20.54%	0.412%
179	11.401	11.380	11.421	VV	25442	505733	22.96%	0.461%
180	11.433	11.421	11.446	VV	17828	258629	11.74%	0.236%
181	11.493	11.446	11.514	VV	36743	974755	44.26%	0.888%
182	11.541	11.514	11.560	VV	31205	702120	31.88%	0.640%
183	11.577	11.560	11.623	VV	28349	871544	39.57%	0.794%
184	11.631	11.623	11.641	VV	18882	195991	8.90%	0.179%
185	11.662	11.641	11.688	VV	28040	669443	30.40%	0.610%
186	11.706	11.688	11.719	VV	33097	511400	23.22%	0.466%
187	11.727	11.719	11.751	VV	27984	442343	20.08%	0.403%
188	11.778	11.751	11.800	VV	24228	553357	25.12%	0.504%
189	11.836	11.800	11.860	VV	32654	799575	36.30%	0.729%
190	11.874	11.860	11.905	VV	20042	461324	20.95%	0.420%
191	11.925	11.905	11.933	VV	16402	259963	11.80%	0.237%
192	11.954	11.933	11.968	VV	36572	551010	25.02%	0.502%
193	11.986	11.968	12.001	VV	43725	615286	27.94%	0.561%
194	12.016	12.001	12.057	VV	49115	826551	37.53%	0.753%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	12.082	12.057	12.102	VV	20202	443334	20.13%	0.404%
196	12.135	12.102	12.151	VV	34925	653362	29	
197	12.167	12.151	12.219	VV	29679	785977	35	
198	12.239	12.219	12.258	VV	16044	331225	15	
199	12.285	12.258	12.307	VV	21582	510372	23	
200	12.325	12.307	12.349	VV	20403	419543	19	
201	12.355	12.349	12.369	VV	14299	162143	7.36%	0.148%
202	12.388	12.369	12.405	VV	15832	299766	13.61%	0.273%
203	12.426	12.405	12.448	VV	13913	324860	14.75%	0.296%
204	12.461	12.448	12.471	VV	12795	169924	7.72%	0.155%
205	12.488	12.471	12.502	VV	16862	270618	12.29%	0.247%
206	12.521	12.502	12.541	VV	18756	357740	16.24%	0.326%
207	12.552	12.541	12.575	VV	14166	243687	11.06%	0.222%
208	12.604	12.575	12.622	VV	14256	333311	15.13%	0.304%
209	12.635	12.622	12.650	VV	12022	189396	8.60%	0.173%
210	12.668	12.650	12.695	VV	12835	317930	14.44%	0.290%
211	12.709	12.695	12.717	VV	12492	156902	7.12%	0.143%
212	12.732	12.717	12.757	VV	16060	312218	14.18%	0.284%
213	12.778	12.757	12.816	VV	23747	563287	25.58%	0.513%
214	12.859	12.816	12.865	VV	11708	309338	14.05%	0.282%
215	12.887	12.865	12.907	VV	30674	502031	22.79%	0.457%
216	12.922	12.907	12.939	VV	18338	293299	13.32%	0.267%
217	12.951	12.939	12.983	VV	14688	291454	13.23%	0.266%
218	13.002	12.983	13.017	VV	14429	232273	10.55%	0.212%
219	13.023	13.017	13.052	VV	10512	184772	8.39%	0.168%
220	13.059	13.052	13.075	VV	7100	92145	4.18%	0.084%
221	13.102	13.075	13.109	VV	7747	151777	6.89%	0.138%
222	13.130	13.109	13.150	VV	9964	204198	9.27%	0.186%
223	13.160	13.150	13.178	VV	6789	106616	4.84%	0.097%
224	13.195	13.178	13.216	VV	7497	158115	7.18%	0.144%
225	13.222	13.216	13.235	VV	6730	75588	3.43%	0.069%
226	13.252	13.235	13.277	VV	7247	160681	7.30%	0.146%
227	13.299	13.277	13.348	VV	9855	285864	12.98%	0.260%
228	13.372	13.348	13.376	VV	6765	96980	4.40%	0.088%
229	13.393	13.376	13.422	VV	11184	216246	9.82%	0.197%
230	13.446	13.422	13.465	VV	8037	173841	7.89%	0.158%
231	13.475	13.465	13.500	VV	6488	127001	5.77%	0.116%
232	13.509	13.500	13.532	VV	5617	95320	4.33%	0.087%
233	13.545	13.532	13.552	VV	4185	50016	2.27%	0.046%
234	13.585	13.552	13.612	VV	7852	221598	10.06%	0.202%
235	13.634	13.612	13.677	VV	8932	219314	9.96%	0.200%
236	13.699	13.677	13.714	VV	6308	106086	4.82%	0.097%
237	13.732	13.714	13.756	VV	6080	120947	5.49%	0.110%
238	13.776	13.756	13.786	VV	3993	68038	3.09%	0.062%
239	13.805	13.786	13.833	VV	4378	112057	5.09%	0.102%
240	13.849	13.833	13.870	VV	4099	80947	3.68%	0.074%
241	13.889	13.870	13.932	VV	4343	125389	5.69%	0.114%
242	13.937	13.932	13.961	VV	2880	47479	2.16%	0.043%
243	13.967	13.961	13.981	VV	2556	29066	1.32%	0.026%
244	14.002	13.981	14.023	VV	3095	70251	3.19%	0.064%
245	14.039	14.023	14.055	VV	3223	55297	2.51%	0.050%
246	14.083	14.055	14.113	VV	3103	94863	4.31%	0.086%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
247	14.122	14.113	14.140	VV	2188	33662	1.53%	0.031%
248	14.165	14.140	14.190	VV	3355	76551		
249	14.207	14.190	14.229	VV	2348	47522		
250	14.237	14.229	14.245	VV	1780	16622		
251	14.250	14.245	14.253	VV	1769	8936		
252	14.257	14.253	14.260	VV	1783	7511		
253	14.270	14.260	14.299	VV	1789	38208	1.73%	0.035%
254	14.304	14.299	14.325	VV	1499	20002	0.91%	0.018%
255	14.352	14.325	14.420	VV	1622	79408	3.61%	0.072%
256	14.425	14.420	14.428	VV	1163	5555	0.25%	0.005%
257	14.455	14.428	14.474	VV	1357	34459	1.56%	0.031%
258	14.480	14.474	14.489	VV	1166	9920	0.45%	0.009%
259	14.511	14.489	14.537	VV	1664	36221	1.64%	0.033%
260	14.543	14.537	14.568	VV	1027	17847	0.81%	0.016%
261	14.589	14.568	14.595	VV	1140	17149	0.78%	0.016%
262	14.608	14.595	14.646	VV	1176	30833	1.40%	0.028%
263	14.652	14.646	14.676	VV	855	13828	0.63%	0.013%
264	14.681	14.676	14.691	VV	785	6896	0.31%	0.006%
265	14.719	14.691	14.741	VV	1139	28592	1.30%	0.026%
266	14.749	14.741	14.781	VV	853	16869	0.77%	0.015%
267	14.807	14.781	14.819	VV	800	16664	0.76%	0.015%
268	14.833	14.819	14.856	VV	885	17510	0.80%	0.016%
269	14.870	14.856	14.895	VV	889	17246	0.78%	0.016%
270	14.900	14.895	14.946	VV	612	14415	0.65%	0.013%
271	14.950	14.946	14.955	VV	427	2029	0.09%	0.002%
272	14.968	14.955	14.974	VV	425	4457	0.20%	0.004%
273	14.991	14.974	15.021	VV	566	13226	0.60%	0.012%
274	15.029	15.021	15.041	VV	453	4975	0.23%	0.005%
275	15.045	15.041	15.062	VV	414	4819	0.22%	0.004%
276	15.067	15.062	15.074	VV	406	2559	0.12%	0.002%
277	15.093	15.074	15.143	VV	458	12700	0.58%	0.012%
278	15.147	15.143	15.160	VV	296	2618	0.12%	0.002%
279	15.182	15.160	15.198	VV	447	7545	0.34%	0.007%
280	15.219	15.198	15.234	VV	455	7495	0.34%	0.007%
281	15.253	15.234	15.277	VV	601	10079	0.46%	0.009%
282	15.297	15.277	15.314	VV	345	5748	0.26%	0.005%
283	15.335	15.314	15.371	VV	295	7513	0.34%	0.007%
284	15.390	15.371	15.405	VV	250	4035	0.18%	0.004%
285	15.409	15.405	15.415	VV	202	1007	0.05%	0.001%
286	15.426	15.415	15.452	VV	184	2314	0.11%	0.002%
287	15.489	15.452	15.510	VV	220	4425	0.20%	0.004%
288	15.525	15.510	15.542	VV	83	1242	0.06%	0.001%
289	15.633	15.602	15.661	VV	516	9290	0.42%	0.008%
290	15.676	15.661	15.742	VV	322	7605	0.35%	0.007%
291	15.771	15.757	15.823	VV	349	7881	0.36%	0.007%
292	15.847	15.837	15.853	VV	277	1454	0.07%	0.001%
293	15.857	15.853	15.878	VV	217	1613	0.07%	0.001%
294	15.895	15.878	15.910	VV	144	1589	0.07%	0.001%
295	15.992	15.956	16.007	VV	134	3018	0.14%	0.003%
296	16.053	16.007	16.069	VV	176	3475	0.16%	0.003%
297	16.085	16.069	16.108	VV	140	1839	0.08%	0.002%
298	16.122	16.108	16.140	VV	113	1400	0.06%	0.001%
299	16.194	16.163	16.210	VV	115	1270	0.06%	0.001%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.275	16.248	16.313	VV	467	7113	0.32%	0.006%
301	16.325	16.313	16.338	VV	143	1211		
302	16.411	16.394	16.437	VV	137	2587		
303	16.452	16.437	16.481	VV	225	3456		
304	16.567	16.541	16.584	PV	102	1305		
305	16.603	16.584	16.613	VV	109	1032		
306	16.758	16.699	16.790	VV	516	10881	0.49%	0.010%
307	16.841	16.790	16.858	VV	355	6760	0.31%	0.006%
308	16.872	16.858	16.883	VV	97	1056	0.05%	0.001%
309	16.910	16.883	16.918	VV	192	1777	0.08%	0.002%
310	16.932	16.918	16.942	VV	127	1382	0.06%	0.001%
311	16.956	16.942	16.966	VV	108	1006	0.05%	0.001%
312	17.057	17.019	17.076	VV	119	2548	0.12%	0.002%
313	17.122	17.076	17.157	VV	238	5365	0.24%	0.005%
314	17.225	17.157	17.256	VV	962	17821	0.81%	0.016%
315	17.273	17.256	17.320	VV	248	3858	0.18%	0.004%
316	17.418	17.320	17.433	VV	44	2438	0.11%	0.002%
317	17.475	17.433	17.485	PV	197	1615	0.07%	0.001%
318	17.506	17.485	17.551	VV	137	3726	0.17%	0.003%
319	17.558	17.551	17.581	VV	88	1345	0.06%	0.001%
320	17.608	17.581	17.630	PV	113	2584	0.12%	0.002%
321	17.677	17.630	17.721	VV	1235	19407	0.88%	0.018%
322	17.786	17.737	17.822	VV	179	5215	0.24%	0.005%
323	17.861	17.822	17.883	VV	174	3970	0.18%	0.004%
324	17.908	17.883	17.923	VV	112	2173	0.10%	0.002%
325	17.952	17.923	17.969	VV	138	2514	0.11%	0.002%
326	18.114	17.985	18.150	PV	1889	32360	1.47%	0.029%
327	18.203	18.150	18.230	VV	169	4679	0.21%	0.004%

Sum of corrected areas: 109749967

Aromatic EPH 102124.M Mon Nov 04 01:21:27 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-5			SDG No.:	P4599
Lab Sample ID:	P4599-05			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.1
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
10/30/24 08:20	10/31/24 18:34	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	234		10	4.51	11.9	mg/kg	FE050950.D
Aliphatic C12-C16	Aliphatic C12-C16	843		100	28.5	79.1	mg/kg	FE050962.D
Aliphatic C16-C21	Aliphatic C16-C21	504		100	35.6	118	mg/kg	FE050962.D
Aliphatic C21-C28	Aliphatic C21-C28	29.5		1	0.95	1.58	mg/kg	FE050926.D
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1	2.14	2.37	mg/kg	FE050926.D
Aromatic C10-C12	Aromatic C10-C12	85.4		25	8.90	19.8	mg/kg	FG014609.D
Aromatic C12-C16	Aromatic C12-C16	563		25	10.1	29.7	mg/kg	FG014609.D
Aromatic C16-C21	Aromatic C16-C21	903		25	28.5	49.4	mg/kg	FG014609.D
Aromatic C21-C36	Aromatic C21-C36	39.4		1	2.37	3.16	mg/kg	FG014581.D
Total AliphaticEPH	Total AliphaticEPH	1620			71.7	213	mg/kg	
Total AromaticEPH	Total AromaticEPH	1590			49.9	102	mg/kg	
Total EPH	Total EPH	3210			122	315	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:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-5			SDG No.:	P4599
Lab Sample ID:	P4599-05			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.1
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
FE050926.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	192	E	0.45	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	706	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	427	E	0.36	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	29.5		0.95	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.92		2.14	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		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:	P4599-05	Acq On:	31 Oct 2024 05:59
Client Sample ID:	EX-1-TPH-5	Operator:	YP\AJ
Data file:	FE050926.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	348447980	2440	300	ug/ml
Aliphatic C12-C16	6.763	10.194	1295994150	8930	200	ug/ml
Aliphatic C16-C21	10.195	13.554	780170575	5400	300	ug/ml
Aliphatic C21-C28	13.555	17.208	53095423	373.504	400	ug/ml
Aliphatic C28-C40	17.209	22.057	10354205	74.866	600	ug/ml
Aliphatic EPH	3.144	22.057	2488062333	17200		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.295	13.295	3487090	29.48		ug/ml
Aliphatic C9-C28	3.144	17.208	2477708128	17100	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050926.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:59
Operator : YP\AJ
Sample : P4599-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5

Integration File: autoint1.e
Quant Time: Oct 31 07:46:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.295	3487090	29.478 ug/ml
Spiked Amount 50.000		Recovery = 58.96%	
Target Compounds			

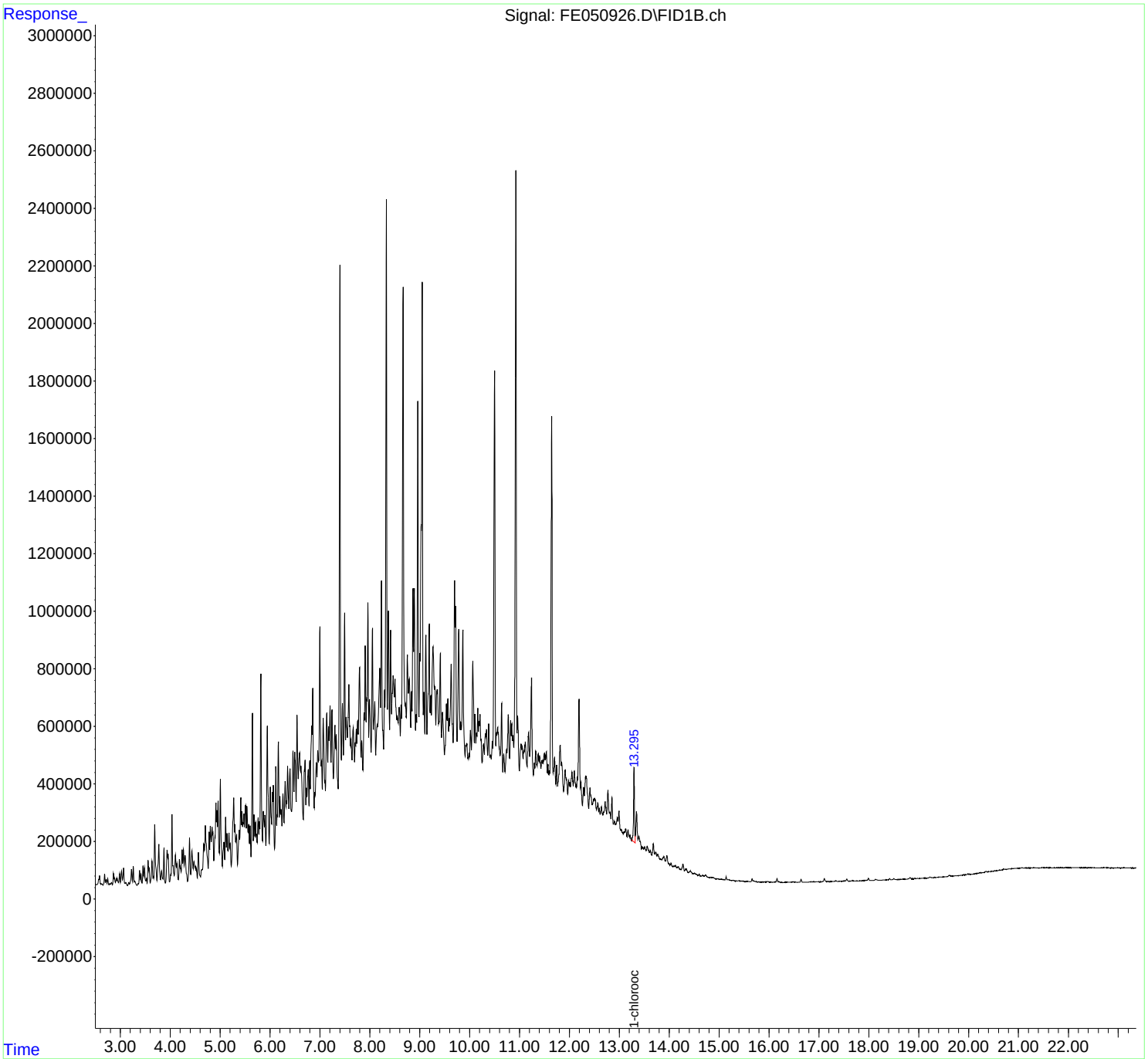
(f)=RT Delta > 1/2 Window (m)=manual int.

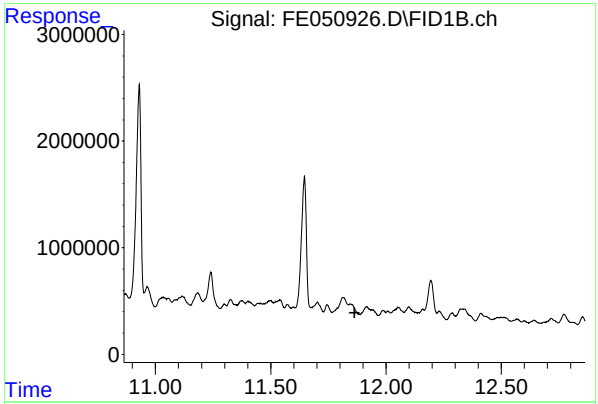
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050926.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:59
Operator : YP\AJ
Sample : P4599-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5

Integration File: autoint1.e
Quant Time: Oct 31 07:46:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

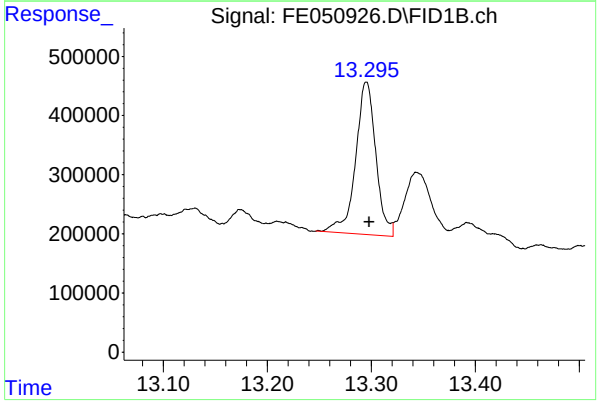




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min
Delta R.T.: -0.003 min
Response: 3487090
Conc: 29.48 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050926.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 05:59
Sample : P4599-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.584	2.524	2.617	PV	30388	518503	0.90%	0.021%
2	2.630	2.617	2.650	PV	2689	21567	0.04%	0.001%
3	2.685	2.650	2.701	PV	38780	433393	0.75%	0.017%
4	2.716	2.701	2.732	VV	19427	266884	0.46%	0.011%
5	2.747	2.732	2.772	VV	22801	269728	0.47%	0.011%
6	2.789	2.772	2.802	VV	6118	66302	0.12%	0.003%
7	2.824	2.802	2.841	VV	9697	132294	0.23%	0.005%
8	2.864	2.841	2.900	VV	40524	711812	1.24%	0.028%
9	2.917	2.900	2.926	VV	22230	257637	0.45%	0.010%
10	2.937	2.926	2.961	VV	23760	352453	0.61%	0.014%
11	2.985	2.961	3.000	VV	40756	527145	0.92%	0.021%
12	3.024	3.000	3.042	VV	49318	784005	1.36%	0.031%
13	3.066	3.042	3.096	VV	59512	916188	1.59%	0.037%
14	3.111	3.096	3.142	VV	9876	148898	0.26%	0.006%
15	3.169	3.142	3.185	PV	10391	129321	0.22%	0.005%
16	3.224	3.185	3.243	VV	55607	868650	1.51%	0.035%
17	3.260	3.243	3.279	VV	66425	781677	1.36%	0.031%
18	3.288	3.279	3.333	VV	15189	255950	0.44%	0.010%
19	3.386	3.333	3.401	PV	51916	679969	1.18%	0.027%
20	3.414	3.401	3.434	VV	40612	502013	0.87%	0.020%
21	3.455	3.434	3.470	VV	68733	841497	1.46%	0.034%
22	3.485	3.470	3.510	VV	61215	904248	1.57%	0.036%
23	3.524	3.510	3.537	VV	25059	283888	0.49%	0.011%
24	3.557	3.537	3.600	VV	86732	1719410	2.99%	0.069%
25	3.635	3.600	3.667	VV	85018	1637869	2.84%	0.065%
26	3.689	3.667	3.733	VV	209595	3383194	5.88%	0.135%
27	3.771	3.733	3.805	VV	142302	2854676	4.96%	0.114%
28	3.827	3.805	3.854	VV	50222	992507	1.72%	0.040%
29	3.874	3.854	3.903	VV	129965	1509988	2.62%	0.060%
30	3.938	3.903	3.949	VV	122950	1780775	3.09%	0.071%
31	3.957	3.949	3.986	VV	109205	1441485	2.50%	0.058%
32	4.035	3.986	4.081	VV	246207	4172931	7.25%	0.167%
33	4.104	4.081	4.123	VV	105814	1841808	3.20%	0.074%
34	4.134	4.123	4.162	VV	75990	1146606	1.99%	0.046%
35	4.185	4.162	4.218	VV	90536	1936731	3.36%	0.077%
36	4.237	4.218	4.250	VV	123198	1641026	2.85%	0.066%

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37	4.265	4.250	4.281	VV	125134	1769924	3.07%	0.071%
38	4.298	4.281	4.348	VV	103469	2476088	4.30%	0.099%
39	4.387	4.348	4.411	VV	164650	2612208	4.54%	0.104%
40	4.435	4.411	4.460	VV	119885	2371619	4.12%	0.095%
41	4.477	4.460	4.543	VV	82298	2998554	5.21%	0.120%
42	4.565	4.543	4.606	VV	113494	2255916	3.92%	0.090%
43	4.672	4.606	4.686	VV	143798	3619853	6.29%	0.145%
44	4.705	4.686	4.761	VV	207487	5907815	10.26%	0.236%
45	4.780	4.761	4.790	VV	182736	2266969	3.94%	0.091%
46	4.804	4.790	4.823	VV	204638	3349006	5.82%	0.134%
47	4.839	4.823	4.875	VV	202319	5022973	8.72%	0.201%
48	4.916	4.875	4.927	VV	283155	5764676	10.01%	0.230%
49	4.936	4.927	4.947	VV	259174	2865502	4.98%	0.114%
50	4.959	4.947	4.984	VV	291306	4313197	7.49%	0.172%
51	5.005	4.984	5.043	VV	368410	6691990	11.62%	0.267%
52	5.076	5.043	5.092	VV	149770	3338285	5.80%	0.133%
53	5.111	5.092	5.127	VV	234771	3461471	6.01%	0.138%
54	5.139	5.127	5.161	VV	179101	2913586	5.06%	0.116%
55	5.178	5.161	5.192	VV	181128	2787937	4.84%	0.111%
56	5.201	5.192	5.224	VV	144516	2108377	3.66%	0.084%
57	5.273	5.224	5.312	VV	302876	9871878	17.14%	0.394%
58	5.328	5.312	5.350	VV	173477	3158008	5.48%	0.126%
59	5.382	5.350	5.393	VV	191155	3742618	6.50%	0.149%
60	5.414	5.393	5.428	VV	303365	4831171	8.39%	0.193%
61	5.438	5.428	5.451	VV	255733	3180861	5.52%	0.127%
62	5.476	5.451	5.488	VV	246649	4871652	8.46%	0.195%
63	5.509	5.488	5.524	VV	277422	5265295	9.14%	0.210%
64	5.538	5.524	5.560	VV	272520	4987668	8.66%	0.199%
65	5.573	5.560	5.587	VV	211523	2999973	5.21%	0.120%
66	5.601	5.587	5.619	VV	206161	3078520	5.35%	0.123%
67	5.648	5.619	5.667	VV	596749	8739725	15.18%	0.349%
68	5.680	5.667	5.697	VV	243449	3607128	6.26%	0.144%
69	5.711	5.697	5.741	VV	218488	4809522	8.35%	0.192%
70	5.762	5.741	5.776	VV	233802	4156014	7.22%	0.166%
71	5.788	5.776	5.794	VV	219597	2181693	3.79%	0.087%
72	5.817	5.794	5.849	VV	731227	12129034	21.06%	0.484%
73	5.867	5.849	5.888	VV	254322	5018716	8.72%	0.200%
74	5.900	5.888	5.917	VV	242418	3574616	6.21%	0.143%
75	5.946	5.917	5.984	VV	548198	12332483	21.42%	0.493%
76	6.006	5.984	6.033	VV	340885	7249098	12.59%	0.290%
77	6.049	6.033	6.057	VV	322363	4079565	7.08%	0.163%
78	6.067	6.057	6.092	VV	346184	5130050	8.91%	0.205%
79	6.117	6.092	6.133	VV	410535	6342354	11.01%	0.253%
80	6.167	6.133	6.187	VV	496903	10397521	18.06%	0.415%
81	6.200	6.187	6.240	VV	307106	8092408	14.05%	0.323%
82	6.260	6.240	6.280	VV	317250	6329344	10.99%	0.253%
83	6.304	6.280	6.335	VV	358999	9594834	16.66%	0.383%
84	6.354	6.335	6.378	VV	409878	8611171	14.95%	0.344%
85	6.401	6.378	6.434	VV	402703	10611662	18.43%	0.424%
86	6.461	6.434	6.480	VV	463585	9874637	17.15%	0.394%
87	6.496	6.480	6.523	VV	454220	10322818	17.93%	0.412%
88	6.542	6.523	6.566	VV	590812	11523296	20.01%	0.460%
89	6.593	6.566	6.613	VV	458304	11709649	20.33%	0.468%

90	6.621	6.613	6.666	VV	412486	10778593	18.72%	0.431%
91	6.702	6.666	6.719	VV	430043	11045553	19.18%	0.441%
92	6.731	6.719	6.741	VV	335541	4016687	6.98%	0.160%
93	6.766	6.741	6.782	VV	399076	8726715	15.15%	0.349%
94	6.796	6.782	6.807	VV	430644	5557436	9.65%	0.222%
95	6.857	6.807	6.885	VV	683553	22197338	38.55%	0.887%
96	6.929	6.885	6.942	VV	423971	11913287	20.69%	0.476%
97	6.958	6.942	6.971	VV	466759	7609791	13.22%	0.304%
98	6.999	6.971	7.048	VV	893185	24487393	42.52%	0.978%
99	7.067	7.048	7.111	VV	578790	16546760	28.73%	0.661%
100	7.137	7.111	7.158	VV	594902	13609234	23.63%	0.544%
101	7.173	7.158	7.184	VV	544658	8038292	13.96%	0.321%
102	7.204	7.184	7.223	VV	621871	12353579	21.45%	0.493%
103	7.242	7.223	7.272	VV	607715	14307469	24.85%	0.571%
104	7.301	7.272	7.316	VV	553619	12446896	21.62%	0.497%
105	7.327	7.316	7.366	VV	519980	13035532	22.64%	0.521%
106	7.401	7.366	7.430	VV	2154432	36176812	62.82%	1.445%
107	7.452	7.430	7.472	VV	627307	13342094	23.17%	0.533%
108	7.496	7.472	7.514	VV	943466	16997321	29.52%	0.679%
109	7.526	7.514	7.552	VV	577035	12161685	21.12%	0.486%
110	7.581	7.552	7.614	VV	694263	21486746	37.31%	0.858%
111	7.623	7.614	7.644	VV	502739	8620683	14.97%	0.344%
112	7.668	7.644	7.695	VV	544557	15032796	26.11%	0.600%
113	7.729	7.695	7.740	VV	537881	13180975	22.89%	0.526%
114	7.756	7.740	7.768	VV	567943	9024266	15.67%	0.360%
115	7.795	7.768	7.825	VV	753853	21064407	36.58%	0.841%
116	7.839	7.825	7.861	VV	499883	9797299	17.01%	0.391%
117	7.909	7.861	7.926	VV	827492	23334892	40.52%	0.932%
118	7.963	7.926	7.980	VV	978633	22989345	39.92%	0.918%
119	7.994	7.980	8.027	VV	641057	15945807	27.69%	0.637%
120	8.053	8.027	8.074	VV	893067	18606203	32.31%	0.743%
121	8.100	8.074	8.119	VV	635329	15181657	26.36%	0.606%
122	8.200	8.119	8.215	VV	750882	34214470	59.42%	1.367%
123	8.234	8.215	8.277	VV	1055540	26140549	45.40%	1.044%
124	8.333	8.277	8.353	VV	2345951	47271856	82.09%	1.888%
125	8.373	8.353	8.397	VV	951082	20215964	35.11%	0.808%
126	8.417	8.397	8.437	VV	881801	16787606	29.15%	0.671%
127	8.469	8.437	8.492	VV	723549	22340448	38.80%	0.892%
128	8.506	8.492	8.541	VV	708692	18670552	32.42%	0.746%
129	8.550	8.541	8.568	VV	583170	9458821	16.43%	0.378%
130	8.586	8.568	8.612	VV	613349	15299119	26.57%	0.611%
131	8.628	8.612	8.637	VV	623439	8544013	14.84%	0.341%
132	8.668	8.637	8.732	VV	2064405	55148898	95.77%	2.203%
133	8.753	8.732	8.776	VV	785894	18456395	32.05%	0.737%
134	8.792	8.776	8.820	VV	712585	17301871	30.05%	0.691%
135	8.836	8.820	8.846	VV	669797	9655604	16.77%	0.386%
136	8.865	8.846	8.877	VV	1028130	15646799	27.17%	0.625%
137	8.893	8.877	8.917	VV	1032360	19516006	33.89%	0.780%
138	8.963	8.917	8.986	VV	1668585	35761844	62.10%	1.428%
139	9.051	8.986	9.074	VV	2090005	57584167	100.00%	2.300%
140	9.086	9.074	9.103	VV	667719	10943031	19.00%	0.437%
141	9.124	9.103	9.146	VV	863925	17355658	30.14%	0.693%

142	9.191	9.146	9.209	VV	902512	26072290	45.28%	1.041%
143	9.222	9.209	9.236	VV	652873	9972242	17.32%	0.398%
144	9.267	9.236	9.324	VV	824945	37614688	65.32%	1.502%
145	9.356	9.324	9.381	VV	673128	21264319	36.93%	0.849%
146	9.413	9.381	9.439	VV	803896	21748409	37.77%	0.869%
147	9.457	9.439	9.498	VV	595595	18974035	32.95%	0.758%
148	9.536	9.498	9.550	VV	625564	16739464	29.07%	0.669%
149	9.565	9.550	9.581	VV	643896	11138466	19.34%	0.445%
150	9.592	9.581	9.601	VV	575781	6534209	11.35%	0.261%
151	9.632	9.601	9.671	VV	762448	25862883	44.91%	1.033%
152	9.701	9.671	9.750	VV	1051406	35839247	62.24%	1.432%
153	9.783	9.750	9.812	VV	884690	24787880	43.05%	0.990%
154	9.821	9.812	9.835	VV	560697	7681872	13.34%	0.307%
155	9.865	9.835	9.910	VV	878226	27119893	47.10%	1.083%
156	9.943	9.910	9.972	VV	487696	17473701	30.34%	0.698%
157	9.988	9.972	9.997	VV	454156	6778501	11.77%	0.271%
158	10.018	9.997	10.038	VV	533557	11857046	20.59%	0.474%
159	10.065	10.038	10.095	VV	772138	21398846	37.16%	0.855%
160	10.109	10.095	10.126	VV	590899	10059226	17.47%	0.402%
161	10.165	10.126	10.179	VV	608680	16990552	29.51%	0.679%
162	10.210	10.179	10.251	VV	589158	22652366	39.34%	0.905%
163	10.280	10.251	10.296	VV	486485	12516468	21.74%	0.500%
164	10.338	10.296	10.363	VV	535250	19995098	34.72%	0.799%
165	10.384	10.363	10.410	VV	554695	13674125	23.75%	0.546%
166	10.421	10.410	10.433	VV	446771	6162930	10.70%	0.246%
167	10.457	10.433	10.467	VV	496645	9387457	16.30%	0.375%
168	10.502	10.467	10.527	VV	1765745	36557414	63.49%	1.460%
169	10.562	10.527	10.614	VV	543585	26350323	45.76%	1.053%
170	10.643	10.614	10.666	VV	625764	15618154	27.12%	0.624%
171	10.686	10.666	10.710	VV	449734	10938635	19.00%	0.437%
172	10.743	10.710	10.750	VV	466703	10491494	18.22%	0.419%
173	10.777	10.750	10.802	VV	584961	15871594	27.56%	0.634%
174	10.825	10.802	10.835	VV	566351	10011050	17.39%	0.400%
175	10.846	10.835	10.861	VV	555033	8082168	14.04%	0.323%
176	10.870	10.861	10.886	VV	515449	7632203	13.25%	0.305%
177	10.929	10.886	10.952	VV	2499552	47066776	81.74%	1.880%
178	10.965	10.952	10.998	VV	581984	13766422	23.91%	0.550%
179	11.033	10.998	11.072	VV	484475	20081853	34.87%	0.802%
180	11.116	11.072	11.154	VV	491022	22573806	39.20%	0.902%
181	11.183	11.154	11.206	VV	525150	14745433	25.61%	0.589%
182	11.240	11.206	11.281	VV	717594	22825759	39.64%	0.912%
183	11.299	11.281	11.308	VV	419438	6597542	11.46%	0.264%
184	11.326	11.308	11.353	VV	461094	11489010	19.95%	0.459%
185	11.374	11.353	11.390	VV	450762	9608771	16.69%	0.384%
186	11.402	11.390	11.430	VV	442733	10270677	17.84%	0.410%
187	11.498	11.430	11.513	VV	451483	21309259	37.01%	0.851%
188	11.540	11.513	11.560	VV	458121	12246000	21.27%	0.489%
189	11.572	11.560	11.589	VV	413807	6889568	11.96%	0.275%
190	11.598	11.589	11.605	VV	390848	3789636	6.58%	0.151%
191	11.646	11.605	11.674	VV	1597411	33977376	59.00%	1.357%
192	11.702	11.674	11.728	VV	434614	12862471	22.34%	0.514%
193	11.745	11.728	11.766	VV	412033	8515890	14.79%	0.340%
194	11.814	11.766	11.888	VV	479644	28923953	50.23%	1.155%

195	11.916	11.888	11.966	VV	393493	16820622	29.21%	0.672%
196	11.987	11.966	11.999	VV	357784	6540850	11.36%	0.261%
197	12.008	11.999	12.020	VV	350745	4414880	7.67%	0.176%
198	12.053	12.020	12.078	VV	383923	12513429	21.73%	0.500%
199	12.099	12.078	12.136	VV	391492	12488602	21.69%	0.499%
200	12.194	12.136	12.221	VV	639825	22087590	38.36%	0.882%
201	12.231	12.221	12.262	VV	351118	7821381	13.58%	0.312%
202	12.286	12.262	12.301	VV	333028	7161700	12.44%	0.286%
203	12.326	12.301	12.388	VV	370897	17157747	29.80%	0.685%
204	12.412	12.388	12.458	VV	331483	12430804	21.59%	0.497%
205	12.500	12.458	12.543	VV	293240	14474585	25.14%	0.578%
206	12.568	12.543	12.588	VV	279282	7147761	12.41%	0.286%
207	12.600	12.588	12.618	VV	260359	4565637	7.93%	0.182%
208	12.642	12.618	12.670	VV	264784	7833099	13.60%	0.313%
209	12.717	12.670	12.747	VV	283855	11707989	20.33%	0.468%
210	12.772	12.747	12.830	VV	322943	13309531	23.11%	0.532%
211	12.853	12.830	12.884	VV	298021	8009986	13.91%	0.320%
212	12.904	12.884	12.929	VV	214420	5609962	9.74%	0.224%
213	12.961	12.929	12.978	VV	228215	6320866	10.98%	0.252%
214	12.994	12.978	13.075	VV	251047	11556773	20.07%	0.462%
215	13.099	13.075	13.106	VV	178841	3336875	5.79%	0.133%
216	13.128	13.106	13.156	VV	187566	5291702	9.19%	0.211%
217	13.175	13.156	13.200	VV	185840	4530103	7.87%	0.181%
218	13.210	13.200	13.244	VV	165456	4269692	7.41%	0.171%
219	13.295	13.244	13.320	VV	402818	10050437	17.45%	0.401%
220	13.344	13.320	13.376	VV	248229	6639655	11.53%	0.265%
221	13.393	13.376	13.446	VV	163060	6165861	10.71%	0.246%
222	13.461	13.446	13.487	VV	125519	2951311	5.13%	0.118%
223	13.507	13.487	13.536	VV	126230	3529901	6.13%	0.141%
224	13.558	13.536	13.608	VV	125689	5068330	8.80%	0.202%
225	13.623	13.608	13.649	VV	113748	2645888	4.59%	0.106%
226	13.680	13.649	13.711	VV	136179	4229172	7.34%	0.169%
227	13.729	13.711	13.752	VV	107775	2532522	4.40%	0.101%
228	13.769	13.752	13.814	VV	100617	3426152	5.95%	0.137%
229	13.825	13.814	13.850	VV	83877	1788689	3.11%	0.071%
230	13.893	13.850	13.923	VV	93281	3721288	6.46%	0.149%
231	13.952	13.923	14.017	VV	95129	4311168	7.49%	0.172%
232	14.037	14.017	14.074	VV	69319	2134691	3.71%	0.085%
233	14.089	14.074	14.104	VV	59563	1040906	1.81%	0.042%
234	14.124	14.104	14.155	VV	61754	1720809	2.99%	0.069%
235	14.177	14.155	14.213	VV	55981	1837624	3.19%	0.073%
236	14.222	14.213	14.236	VV	47806	674403	1.17%	0.027%
237	14.275	14.236	14.304	VV	65147	2152658	3.74%	0.086%
238	14.332	14.304	14.386	VV	47693	2108571	3.66%	0.084%
239	14.422	14.386	14.464	VV	41668	1754427	3.05%	0.070%
240	14.479	14.464	14.491	VV	33273	535288	0.93%	0.021%
241	14.505	14.491	14.538	VV	33735	892879	1.55%	0.036%
242	14.547	14.538	14.580	VV	30449	714242	1.24%	0.029%
243	14.599	14.580	14.647	VV	30503	1037394	1.80%	0.041%
244	14.670	14.647	14.703	VV	26809	824793	1.43%	0.033%
245	14.728	14.703	14.804	VV	27868	1342750	2.33%	0.054%
246	14.850	14.804	14.861	VV	19175	620573	1.08%	0.025%

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247	14.881	14.861	14.954	VV	18735	893947	1.55%	0.036%
248	14.973	14.954	15.021	VV	13839	514356	0.89%	0.021%
249	15.044	15.021	15.079	VV	12882	416552	0.72%	0.017%
250	15.095	15.079	15.113	VV	11307	213198	0.37%	0.009%
251	15.139	15.113	15.172	VV	20072	477145	0.83%	0.019%
252	15.181	15.172	15.248	VV	10451	415747	0.72%	0.017%
253	15.284	15.248	15.318	VV	8851	314834	0.55%	0.013%
254	15.339	15.318	15.357	VV	6480	141395	0.25%	0.006%
255	15.394	15.357	15.444	VV	7075	323374	0.56%	0.013%
256	15.450	15.444	15.541	VV	5437	266920	0.46%	0.011%
257	15.568	15.541	15.629	VV	4996	209196	0.36%	0.008%
258	15.659	15.629	15.775	VV	13076	444958	0.77%	0.018%
259	15.792	15.775	15.818	VV	2505	56377	0.10%	0.002%
260	15.833	15.818	15.848	VV	1913	32085	0.06%	0.001%
261	15.879	15.848	15.900	VV	2406	62203	0.11%	0.002%
262	15.920	15.900	15.934	VV	2314	40810	0.07%	0.002%
263	15.971	15.934	16.027	VV	3906	142169	0.25%	0.006%
264	16.038	16.027	16.087	VV	1764	43761	0.08%	0.002%
265	16.121	16.087	16.134	VV	2431	47470	0.08%	0.002%
266	16.159	16.134	16.241	VV	13656	244186	0.42%	0.010%
267	16.258	16.241	16.278	VV	546	7046	0.01%	0.000%
268	16.295	16.278	16.307	VV	428	5381	0.01%	0.000%
269	16.354	16.307	16.390	VV	1508	45398	0.08%	0.002%
270	16.403	16.390	16.431	VV	956	17647	0.03%	0.001%
271	16.473	16.431	16.507	VV	2260	66442	0.12%	0.003%
272	16.520	16.507	16.561	VV	1298	27240	0.05%	0.001%
273	16.641	16.561	16.707	PV	10878	177100	0.31%	0.007%
274	16.755	16.707	16.770	PV	357	8329	0.01%	0.000%
275	16.856	16.770	16.924	VV	1208	60510	0.11%	0.002%
276	16.943	16.924	16.958	VV	1211	15535	0.03%	0.001%
277	16.973	16.958	17.014	VV	958	20968	0.04%	0.001%
278	17.025	17.014	17.041	VV	200	2164	0.00%	0.000%
279	17.108	17.041	17.151	PV	11777	211531	0.37%	0.008%
280	17.163	17.151	17.181	VV	594	6901	0.01%	0.000%
281	17.207	17.181	17.218	VV	559	7331	0.01%	0.000%
282	17.232	17.218	17.248	VV	439	6152	0.01%	0.000%
283	17.288	17.248	17.298	VV	620	11102	0.02%	0.000%
284	17.345	17.298	17.377	VV	2425	53484	0.09%	0.002%
285	17.442	17.377	17.458	VV	716	25575	0.04%	0.001%
286	17.519	17.458	17.531	VV	1571	39753	0.07%	0.002%
287	17.558	17.531	17.606	VV	7877	128750	0.22%	0.005%
288	17.626	17.606	17.640	VV	553	8906	0.02%	0.000%
289	17.671	17.640	17.711	VV	2227	46180	0.08%	0.002%
290	17.720	17.711	17.737	VV	537	6934	0.01%	0.000%
291	17.760	17.737	17.776	VV	554	9164	0.02%	0.000%
292	17.799	17.776	17.809	PV	299	4088	0.01%	0.000%
293	17.842	17.809	17.864	VV	840	14516	0.03%	0.001%
294	17.891	17.864	17.904	VV	961	14387	0.02%	0.001%
295	17.993	17.904	18.023	VV	8190	169212	0.29%	0.007%
296	18.039	18.023	18.055	VV	418	6668	0.01%	0.000%
297	18.134	18.055	18.188	VV	4331	104259	0.18%	0.004%
298	18.200	18.188	18.217	VV	463	4209	0.01%	0.000%
299	18.285	18.217	18.294	PV	509	10776	0.02%	0.000%

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300	18.309	18.294	18.313	VV	448	4382	0.01%	0.000%
301	18.343	18.313	18.354	VV	978	16712	0.03%	0.001%
302	18.369	18.354	18.386	VV	786	12740	0.02%	0.001%
303	18.416	18.386	18.441	VV	4621	67916	0.12%	0.003%
304	18.501	18.441	18.561	VV	4476	91929	0.16%	0.004%
305	18.581	18.561	18.591	VV	270	3873	0.01%	0.000%
306	18.614	18.591	18.638	PV	864	12261	0.02%	0.000%
307	18.686	18.638	18.741	VV	1046	38215	0.07%	0.002%
308	18.825	18.741	18.861	VV	5599	113133	0.20%	0.005%
309	18.873	18.861	18.890	VV	416	5647	0.01%	0.000%
310	18.922	18.890	18.945	VV	1802	23972	0.04%	0.001%
311	18.972	18.945	18.998	PV	1455	23658	0.04%	0.001%
312	19.017	18.998	19.040	VV	549	11164	0.02%	0.000%
313	19.143	19.040	19.163	VV	521	33593	0.06%	0.001%
314	19.224	19.163	19.244	PV	3525	60800	0.11%	0.002%
315	19.256	19.244	19.285	VV	1260	17499	0.03%	0.001%
316	19.325	19.285	19.340	PV	940	12636	0.02%	0.001%
317	19.427	19.340	19.439	VV	833	30513	0.05%	0.001%
318	19.609	19.439	19.685	VV	4636	147174	0.26%	0.006%
319	19.734	19.685	19.744	VV	1138	29396	0.05%	0.001%
320	19.752	19.744	19.759	VV	958	7795	0.01%	0.000%
321	19.902	19.759	19.922	VV	2249	131942	0.23%	0.005%
322	19.985	19.922	20.010	VV	4781	156340	0.27%	0.006%
323	20.030	20.010	20.065	VV	3326	93303	0.16%	0.004%
324	20.251	20.065	20.261	VV	5324	462470	0.80%	0.018%
325	20.349	20.261	20.375	VV	9031	435397	0.76%	0.017%
326	20.705	20.375	20.730	VV	12536	1845636	3.21%	0.074%
327	20.888	20.730	20.899	VV	11909	1160376	2.02%	0.046%
328	20.944	20.899	20.961	VV	11823	433707	0.75%	0.017%
329	21.070	20.961	21.106	VV	12808	1001200	1.74%	0.040%
330	21.149	21.106	21.171	VV	10539	411730	0.72%	0.016%
331	21.180	21.171	21.210	VV	10165	232589	0.40%	0.009%
332	21.222	21.210	21.241	VV	9530	173902	0.30%	0.007%
333	21.296	21.241	21.364	VV	9325	665547	1.16%	0.027%
334	21.389	21.364	21.424	VV	7816	274484	0.48%	0.011%
335	21.440	21.424	21.451	VV	7203	114651	0.20%	0.005%
336	21.490	21.451	21.544	VV	7657	388755	0.68%	0.016%
337	21.585	21.544	21.691	VV	6141	466471	0.81%	0.019%
338	21.722	21.691	21.734	VV	3920	101679	0.18%	0.004%
339	21.768	21.734	21.790	VV	3437	113343	0.20%	0.005%
340	21.835	21.790	21.871	VV	2830	131281	0.23%	0.005%
341	21.881	21.871	21.896	VV	1977	27217	0.05%	0.001%
342	21.954	21.896	21.999	VV	2090	92466	0.16%	0.004%
343	22.032	21.999	22.051	VV	379	10596	0.02%	0.000%

Sum of corrected areas: 2503519581

Aliphatic EPH 100824.M Thu Oct 31 07:50:07 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-5		SDG No.:	P4599	
Lab Sample ID:	P4599-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FG014581.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	72.7	E	0.36	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	429	E	0.40	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	777	E	1.14	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	39.4		2.37	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	87.8		40 - 140	176%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	74.9		40 - 140	150%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	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:	P4599-05	Acq On:	30 Oct 2024 19:02
Client Sample ID:	EX-1-TPH-5	Operator:	YP\AJ
Data file:	FG014581.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	128108408	918.367	200	ug/ml
Aromatic C12-C16	6.390	9.089	790304490	5430	300	ug/ml
Aromatic C16-C21	9.090	13.408	1423734260	9830	500	ug/ml
Aromatic C21-C36	13.409	18.851	70792138	498.049	800	ug/ml
Aromatic EPH	4.519	18.851	2412939296	16700		ug/ml
ortho-Terphenyl (SURR)	11.983	11.983	4467121	30.17		ug/ml
2-Bromonaphthalene (SURR)	8.028	8.028	11019592	87.78		ug/ml
2-Flurobiphenyl (SURR)	8.913	8.913	6450862	74.89		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014581.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:02
Operator : YP\AJ
Sample : P4599-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.028	11019592	87.781 ug/mlm
Spiked Amount 50.000		Recovery =	175.56%
6) S 2-Flurobiphenyl (SURR)	8.913	6450862	74.892 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	149.78%#
11) S ortho-Terphenyl (SURR)	11.983	4467121	30.171 ug/mlm
Spiked Amount 50.000		Recovery =	60.34%
Target Compounds			

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

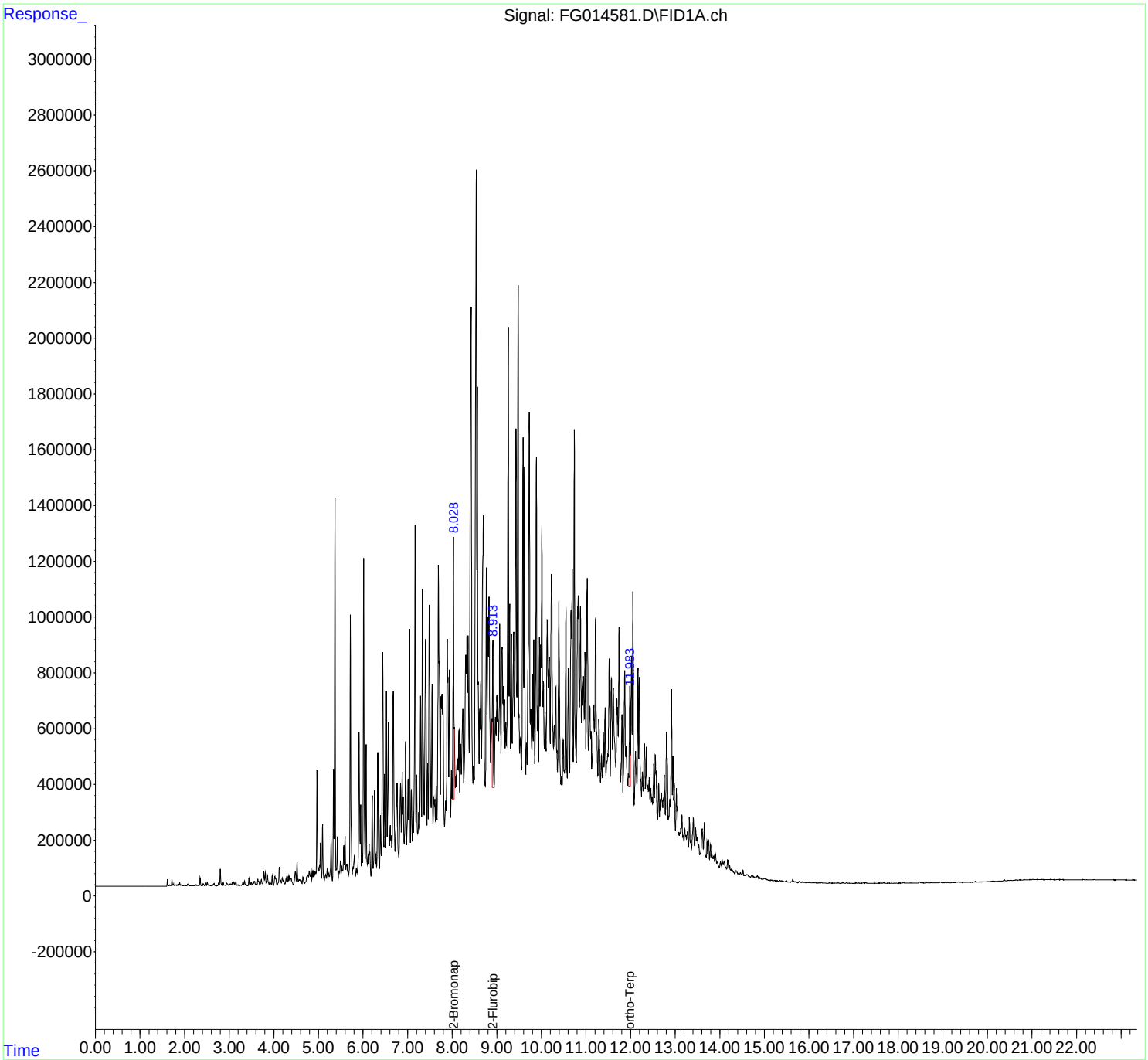
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014581.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:02
Operator : YP\AJ
Sample : P4599-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

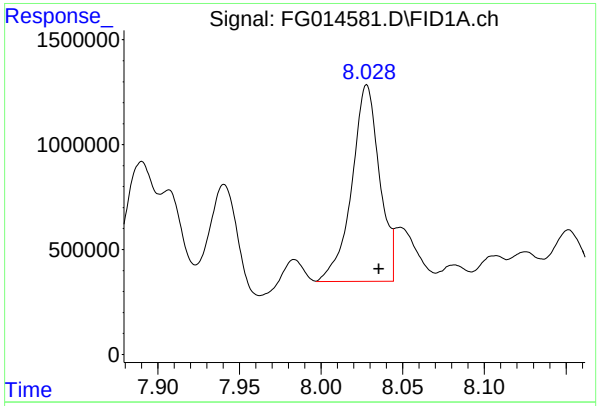
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





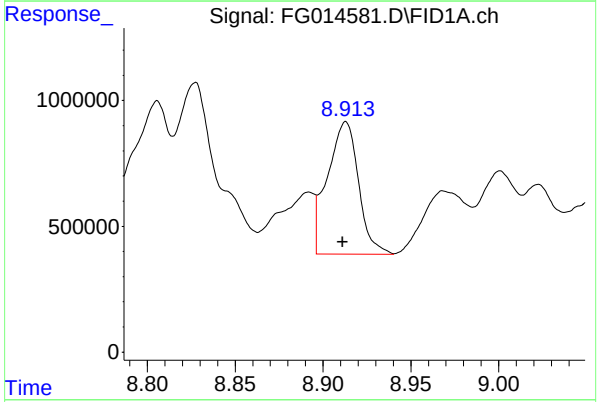
#4 2-Bromonaphthalene (SURR)

R.T.: 8.028 min
Delta R.T.: -0.008 min
Response: 11019592
Conc: 87.78 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5

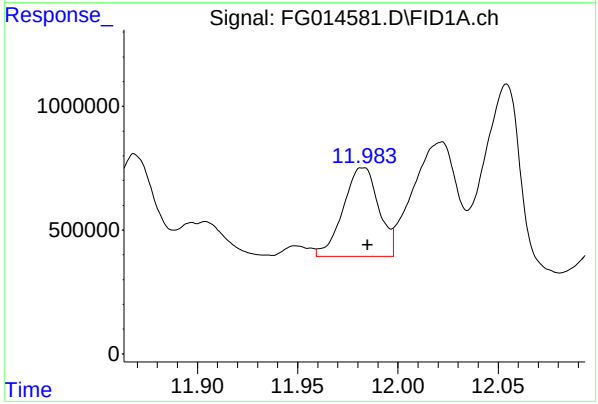
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.913 min
Delta R.T.: 0.001 min
Response: 6450862
Conc: 74.89 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.983 min
Delta R.T.: -0.002 min
Response: 4467121
Conc: 30.17 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014581.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:02
Sample : P4599-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.287	BV	19318	222870	0.42%	0.009%
2	4.296	4.287	4.309	VV	14890	167445	0.32%	0.007%
3	4.325	4.309	4.337	VV	27959	330890	0.62%	0.013%
4	4.352	4.337	4.368	VV	29673	391871	0.74%	0.016%
5	4.389	4.368	4.436	VV	22914	514104	0.97%	0.021%
6	4.484	4.436	4.504	PV	46060	895293	1.69%	0.036%
7	4.521	4.504	4.549	VV	79990	1026128	1.94%	0.042%
8	4.566	4.549	4.574	VV	17896	234109	0.44%	0.009%
9	4.582	4.574	4.606	VV	17848	294397	0.56%	0.012%
10	4.616	4.606	4.633	VV	13783	165513	0.31%	0.007%
11	4.654	4.633	4.681	VV	27083	419383	0.79%	0.017%
12	4.686	4.681	4.695	VV	5700	44459	0.08%	0.002%
13	4.736	4.695	4.744	VV	25949	409969	0.77%	0.017%
14	4.762	4.744	4.778	VV	35281	625841	1.18%	0.025%
15	4.795	4.778	4.815	VV	49440	833832	1.57%	0.034%
16	4.837	4.815	4.852	VV	58839	849172	1.60%	0.034%
17	4.867	4.852	4.879	VV	47505	544487	1.03%	0.022%
18	4.893	4.879	4.912	VV	50390	797544	1.50%	0.032%
19	4.926	4.912	4.936	VV	46473	622008	1.17%	0.025%
20	4.969	4.936	4.991	VV	409146	4956751	9.35%	0.201%
21	5.003	4.991	5.014	VV	58548	731908	1.38%	0.030%
22	5.026	5.014	5.032	VV	69165	676160	1.28%	0.027%
23	5.048	5.032	5.072	VV	149995	1934197	3.65%	0.078%
24	5.093	5.072	5.133	VV	216709	2902761	5.48%	0.117%
25	5.162	5.133	5.181	VV	36955	795166	1.50%	0.032%
26	5.198	5.181	5.216	VV	55809	810832	1.53%	0.033%
27	5.230	5.216	5.246	VV	41005	603209	1.14%	0.024%
28	5.286	5.246	5.314	VV	162832	2613823	4.93%	0.106%
29	5.340	5.314	5.353	VV	413135	4400292	8.30%	0.178%
30	5.372	5.353	5.397	VV	1384830	14896974	28.10%	0.603%
31	5.427	5.397	5.445	VV	171700	2388660	4.51%	0.097%
32	5.465	5.445	5.478	VV	49193	821054	1.55%	0.033%
33	5.498	5.478	5.515	VV	85365	1486150	2.80%	0.060%
34	5.526	5.515	5.539	VV	65727	829517	1.56%	0.034%
35	5.544	5.539	5.548	VV	49449	237189	0.45%	0.010%
36	5.570	5.548	5.582	VV	139873	1891564	3.57%	0.077%

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37	5.598	5.582	5.616	VV	172819	2257378	4.26%	0.091%
38	5.640	5.616	5.657	VV	74010	1584520	2	
39	5.663	5.657	5.679	VV	50974	571516	1	
40	5.718	5.679	5.758	VV	964555	12909596	24	
41	5.773	5.758	5.780	VV	59105	677752	1	
42	5.808	5.780	5.832	VV	103738	2191138	4	
43	5.851	5.832	5.866	VV	56597	958461	1.81%	0.039%
44	5.912	5.866	5.936	VV	545148	9092434	17.15%	0.368%
45	5.949	5.936	5.967	VV	285800	3310647	6.25%	0.134%
46	5.981	5.967	5.993	VV	110380	1444809	2.73%	0.058%
47	6.016	5.993	6.051	VV	1169515	14910888	28.13%	0.604%
48	6.071	6.051	6.100	VV	501582	6266216	11.82%	0.254%
49	6.113	6.100	6.123	VV	102443	1216947	2.30%	0.049%
50	6.136	6.123	6.148	VV	143002	1709607	3.22%	0.069%
51	6.155	6.148	6.180	VV	117001	1438881	2.71%	0.058%
52	6.207	6.180	6.226	VV	318297	3898198	7.35%	0.158%
53	6.261	6.226	6.280	VV	336301	5080912	9.58%	0.206%
54	6.290	6.280	6.306	VV	108272	1376915	2.60%	0.056%
55	6.333	6.306	6.368	VV	473613	7368544	13.90%	0.298%
56	6.391	6.368	6.409	VV	247656	3559222	6.71%	0.144%
57	6.442	6.409	6.468	VV	832136	14850526	28.01%	0.601%
58	6.484	6.468	6.507	VV	395220	5755380	10.86%	0.233%
59	6.527	6.507	6.542	VV	696002	8075910	15.23%	0.327%
60	6.569	6.542	6.597	VV	582340	10081084	19.02%	0.408%
61	6.612	6.597	6.624	VV	212258	2875511	5.42%	0.116%
62	6.632	6.624	6.647	VV	175381	2116352	3.99%	0.086%
63	6.679	6.647	6.719	VV	691243	14617465	27.57%	0.592%
64	6.766	6.719	6.805	VV	363784	10476533	19.76%	0.424%
65	6.843	6.805	6.859	VV	362980	7755922	14.63%	0.314%
66	6.880	6.859	6.894	VV	401734	6391058	12.06%	0.259%
67	6.903	6.894	6.923	VV	314362	4184968	7.89%	0.169%
68	6.957	6.923	6.978	VV	512967	9500415	17.92%	0.385%
69	7.012	6.978	7.025	VV	378700	7377902	13.92%	0.299%
70	7.045	7.025	7.064	VV	914107	11548191	21.78%	0.467%
71	7.085	7.064	7.108	VV	340581	6472751	12.21%	0.262%
72	7.122	7.108	7.133	VV	260104	3146576	5.94%	0.127%
73	7.170	7.133	7.188	VV	1288040	19330187	36.46%	0.782%
74	7.203	7.188	7.229	VV	392744	6584591	12.42%	0.267%
75	7.252	7.229	7.267	VV	258735	4951339	9.34%	0.200%
76	7.293	7.267	7.314	VV	674934	11648751	21.97%	0.472%
77	7.335	7.314	7.372	VV	1059281	19612869	37.00%	0.794%
78	7.406	7.372	7.434	VV	878623	20168335	38.04%	0.816%
79	7.449	7.434	7.463	VV	432326	5565213	10.50%	0.225%
80	7.487	7.463	7.529	VV	1001962	22780476	42.97%	0.922%
81	7.550	7.529	7.571	VV	718401	11091027	20.92%	0.449%
82	7.589	7.571	7.599	VV	309750	4763171	8.99%	0.193%
83	7.610	7.599	7.625	VV	305146	4302784	8.12%	0.174%
84	7.642	7.625	7.660	VV	351760	6008687	11.33%	0.243%
85	7.692	7.660	7.735	VV	1144714	29892039	56.39%	1.210%
86	7.752	7.735	7.760	VV	673537	7923403	14.95%	0.321%
87	7.770	7.760	7.787	VV	682138	10578990	19.96%	0.428%
88	7.795	7.787	7.829	VV	641878	10564653	19.93%	0.428%
89	7.854	7.829	7.866	VV	299457	5821134	10.98%	0.236%

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90	7.890	7.866	7.902	VV	879357	13194555	24.89%	0.534%
91	7.906	7.902	7.923	VV	743622	7760622	14	
92	7.941	7.923	7.963	VV	769324	12020936	22	
93	7.984	7.963	7.997	VV	410798	6701366	12	
94	8.028	7.997	8.070	VV	1244877	27160463	51	
95	8.082	8.070	8.092	VV	385161	4738813	8	
96	8.107	8.092	8.114	VV	428817	5347690	10.09%	0.216%
97	8.125	8.114	8.136	VV	447741	5558698	10.49%	0.225%
98	8.152	8.136	8.171	VV	553316	9664954	18.23%	0.391%
99	8.188	8.171	8.206	VV	502081	8928210	16.84%	0.361%
100	8.238	8.206	8.260	VV	628366	16365892	30.87%	0.662%
101	8.304	8.260	8.316	VV	822337	19544726	36.87%	0.791%
102	8.330	8.316	8.343	VV	896340	13451936	25.38%	0.545%
103	8.357	8.343	8.382	VV	890301	16157930	30.48%	0.654%
104	8.425	8.382	8.465	VV	2070204	53012344	100.00%	2.146%
105	8.479	8.465	8.495	VV	422514	7099847	13.39%	0.287%
106	8.541	8.495	8.554	VV	2557454	51281115	96.73%	2.076%
107	8.565	8.554	8.605	VV	1783617	29016363	54.74%	1.175%
108	8.619	8.605	8.628	VV	629050	7882058	14.87%	0.319%
109	8.642	8.628	8.660	VV	727416	11716209	22.10%	0.474%
110	8.702	8.660	8.744	VV	1319394	41353254	78.01%	1.674%
111	8.768	8.744	8.783	VV	1131276	17428057	32.88%	0.705%
112	8.806	8.783	8.815	VV	957425	15336035	28.93%	0.621%
113	8.827	8.815	8.863	VV	1029642	21019279	39.65%	0.851%
114	8.892	8.863	8.896	VV	594068	10576921	19.95%	0.428%
115	8.913	8.896	8.941	VV	875495	15719666	29.65%	0.636%
116	8.969	8.941	8.985	VV	598708	13496509	25.46%	0.546%
117	9.001	8.985	9.014	VV	678812	10450777	19.71%	0.423%
118	9.022	9.014	9.038	VV	624666	8426313	15.90%	0.341%
119	9.066	9.038	9.095	VV	931710	22399666	42.25%	0.907%
120	9.119	9.095	9.139	VV	851467	19243056	36.30%	0.779%
121	9.148	9.139	9.162	VV	709836	8790354	16.58%	0.356%
122	9.173	9.162	9.189	VV	660405	9432230	17.79%	0.382%
123	9.202	9.189	9.217	VV	582876	9029974	17.03%	0.366%
124	9.259	9.217	9.276	VV	1996733	38296881	72.24%	1.550%
125	9.290	9.276	9.310	VV	1005198	15581310	29.39%	0.631%
126	9.328	9.310	9.346	VV	896348	14482787	27.32%	0.586%
127	9.379	9.346	9.394	VV	904169	20416852	38.51%	0.826%
128	9.433	9.394	9.450	VV	1628049	33466291	63.13%	1.355%
129	9.479	9.450	9.514	VV	2146844	39874237	75.22%	1.614%
130	9.529	9.514	9.554	VV	522018	11571939	21.83%	0.468%
131	9.591	9.554	9.606	VV	1602614	29652568	55.94%	1.200%
132	9.624	9.606	9.650	VV	1494691	23082749	43.54%	0.934%
133	9.665	9.650	9.679	VV	505070	7928640	14.96%	0.321%
134	9.729	9.679	9.749	VV	1691578	39941507	75.34%	1.617%
135	9.763	9.749	9.787	VV	627090	12687213	23.93%	0.514%
136	9.804	9.787	9.816	VV	754132	10877547	20.52%	0.440%
137	9.831	9.816	9.852	VV	874666	13838092	26.10%	0.560%
138	9.888	9.852	9.910	VV	1532429	30442088	57.42%	1.232%
139	9.924	9.910	9.939	VV	639266	9654012	18.21%	0.391%
140	9.958	9.939	9.971	VV	885355	13250068	24.99%	0.536%
141	9.985	9.971	9.995	VV	856569	11305912	21.33%	0.458%

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142	10.011	9.995	10.034	VV	1285335	21898024	41.31%	0.886%
143	10.046	10.034	10.068	VV	725482	12605604	23	
144	10.084	10.068	10.106	VV	615683	12149244	22	
145	10.131	10.106	10.153	VV	947862	21537139	40	
146	10.179	10.153	10.198	VV	810908	19707792	37	
147	10.230	10.198	10.272	VV	1111817	33211418	62	
148	10.291	10.272	10.304	VV	570973	10244812	19.33%	0.415%
149	10.325	10.304	10.361	VV	706997	18617366	35.12%	0.754%
150	10.392	10.361	10.437	VV	1018604	28102287	53.01%	1.138%
151	10.447	10.437	10.460	VV	384946	5332361	10.06%	0.216%
152	10.489	10.460	10.518	VV	515867	14640453	27.62%	0.593%
153	10.550	10.518	10.582	VV	995977	22404935	42.26%	0.907%
154	10.605	10.582	10.632	VV	773804	16826432	31.74%	0.681%
155	10.665	10.632	10.676	VV	981965	19526800	36.83%	0.790%
156	10.691	10.676	10.714	VV	1127440	19006303	35.85%	0.769%
157	10.739	10.714	10.783	VV	1628553	31707054	59.81%	1.283%
158	10.811	10.783	10.818	VV	993201	15999128	30.18%	0.648%
159	10.828	10.818	10.852	VV	1034518	17532126	33.07%	0.710%
160	10.875	10.852	10.901	VV	996341	22558831	42.55%	0.913%
161	10.915	10.901	10.925	VV	707078	9502496	17.93%	0.385%
162	10.944	10.925	10.962	VV	743644	14997942	28.29%	0.607%
163	10.979	10.962	10.996	VV	830768	14173036	26.74%	0.574%
164	11.028	10.996	11.055	VV	1094207	27436036	51.75%	1.111%
165	11.085	11.055	11.104	VV	637366	16974268	32.02%	0.687%
166	11.113	11.104	11.128	VV	547219	7262901	13.70%	0.294%
167	11.176	11.128	11.192	VV	643728	20280297	38.26%	0.821%
168	11.217	11.192	11.267	VV	949167	27829305	52.50%	1.126%
169	11.289	11.267	11.325	VV	590945	16656531	31.42%	0.674%
170	11.346	11.325	11.366	VV	462009	10249847	19.33%	0.415%
171	11.387	11.366	11.406	VV	542157	11147429	21.03%	0.451%
172	11.428	11.406	11.448	VV	632039	12668288	23.90%	0.513%
173	11.486	11.448	11.494	VV	464295	12199189	23.01%	0.494%
174	11.522	11.494	11.544	VV	805676	18180899	34.30%	0.736%
175	11.570	11.544	11.593	VV	735110	17694439	33.38%	0.716%
176	11.613	11.593	11.669	VV	703263	25008891	47.18%	1.012%
177	11.693	11.669	11.704	VV	663631	11744835	22.15%	0.475%
178	11.709	11.704	11.722	VV	633281	6526874	12.31%	0.264%
179	11.742	11.722	11.776	VV	920786	20591805	38.84%	0.834%
180	11.808	11.776	11.829	VV	607754	14598866	27.54%	0.591%
181	11.869	11.829	11.889	VV	764687	19425552	36.64%	0.786%
182	11.904	11.889	11.937	VV	491956	12295808	23.19%	0.498%
183	11.949	11.937	11.960	VV	393657	5297719	9.99%	0.214%
184	11.983	11.960	11.997	VV	708544	12160593	22.94%	0.492%
185	12.021	11.997	12.035	VV	814411	14961748	28.22%	0.606%
186	12.054	12.035	12.081	VV	1047694	17474935	32.96%	0.707%
187	12.112	12.081	12.142	VV	475951	14261631	26.90%	0.577%
188	12.167	12.142	12.183	VV	773034	13715263	25.87%	0.555%
189	12.200	12.183	12.245	VV	741826	17985952	33.93%	0.728%
190	12.265	12.245	12.284	VV	400826	8406854	15.86%	0.340%
191	12.311	12.284	12.333	VV	502250	12409453	23.41%	0.502%
192	12.354	12.333	12.373	VV	491412	9676999	18.25%	0.392%
193	12.388	12.373	12.404	VV	353835	6575398	12.40%	0.266%
194	12.418	12.404	12.437	VV	381652	6652633	12.55%	0.269%

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195	12.453	12.437	12.468	VV	342804	5918595	11.16%	0.240%
196	12.481	12.468	12.497	VV	310652	5159784	9	
197	12.518	12.497	12.533	VV	430294	7819339	14	
198	12.553	12.533	12.605	VV	462734	15261393	28	
199	12.629	12.605	12.647	VV	360022	7386429	13	
200	12.663	12.647	12.675	VV	302486	4759443	8	
201	12.691	12.675	12.721	VV	324898	8108916	15.30%	0.328%
202	12.734	12.721	12.739	VV	301855	3155968	5.95%	0.128%
203	12.756	12.739	12.780	VV	391658	7947165	14.99%	0.322%
204	12.806	12.780	12.844	VV	544592	14484487	27.32%	0.586%
205	12.852	12.844	12.857	VV	240766	1856967	3.50%	0.075%
206	12.880	12.857	12.891	VV	301835	5667798	10.69%	0.229%
207	12.918	12.891	12.936	VV	698287	12658798	23.88%	0.512%
208	12.952	12.936	12.967	VV	457262	7021808	13.25%	0.284%
209	12.978	12.967	13.005	VV	360375	6400112	12.07%	0.259%
210	13.026	13.005	13.040	VV	341885	5836169	11.01%	0.236%
211	13.048	13.040	13.069	VV	276325	4045048	7.63%	0.164%
212	13.080	13.069	13.092	VV	184175	2494334	4.71%	0.101%
213	13.150	13.092	13.172	VV	247152	9450401	17.83%	0.383%
214	13.179	13.172	13.196	VV	171647	2395705	4.52%	0.097%
215	13.216	13.196	13.234	VV	196275	3944279	7.44%	0.160%
216	13.242	13.234	13.254	VV	171703	2005533	3.78%	0.081%
217	13.273	13.254	13.297	VV	185875	4325131	8.16%	0.175%
218	13.319	13.297	13.368	VV	238950	7154730	13.50%	0.290%
219	13.407	13.368	13.436	VV	235503	7157393	13.50%	0.290%
220	13.459	13.436	13.480	VV	199100	4478965	8.45%	0.181%
221	13.493	13.480	13.516	VV	166011	3254322	6.14%	0.132%
222	13.526	13.516	13.549	VV	142240	2523261	4.76%	0.102%
223	13.561	13.549	13.572	VV	109512	1493461	2.82%	0.060%
224	13.606	13.572	13.632	VV	196785	5631206	10.62%	0.228%
225	13.653	13.632	13.697	VV	220226	5512996	10.40%	0.223%
226	13.715	13.697	13.730	VV	153302	2477740	4.67%	0.100%
227	13.748	13.730	13.769	VV	155616	2952708	5.57%	0.120%
228	13.794	13.769	13.810	VV	140325	2770959	5.23%	0.112%
229	13.822	13.810	13.847	VV	105021	2153875	4.06%	0.087%
230	13.866	13.847	13.883	VV	99470	2006415	3.78%	0.081%
231	13.902	13.883	13.927	VV	107466	2424901	4.57%	0.098%
232	13.946	13.927	13.989	VV	77420	2541019	4.79%	0.103%
233	14.014	13.989	14.034	VV	78130	1895647	3.58%	0.077%
234	14.052	14.034	14.075	VV	85504	1854919	3.50%	0.075%
235	14.097	14.075	14.128	VV	81368	2238513	4.22%	0.091%
236	14.136	14.128	14.151	VV	59147	792854	1.50%	0.032%
237	14.178	14.151	14.205	VV	85291	2175338	4.10%	0.088%
238	14.220	14.205	14.245	VV	64459	1345678	2.54%	0.054%
239	14.255	14.245	14.263	VV	50800	525410	0.99%	0.021%
240	14.270	14.263	14.276	VV	50151	387767	0.73%	0.016%
241	14.279	14.276	14.302	VV	49540	716625	1.35%	0.029%
242	14.309	14.302	14.334	VV	42064	743977	1.40%	0.030%
243	14.359	14.334	14.367	VV	46603	815342	1.54%	0.033%
244	14.374	14.367	14.433	VV	45779	1546998	2.92%	0.063%
245	14.461	14.433	14.498	VV	39424	1362285	2.57%	0.055%
246	14.519	14.498	14.556	VV	48607	1230852	2.32%	0.050%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

247	14.564	14.556	14.576	VV	29068	361030	0.68%	0.015%
248	14.592	14.576	14.606	VV	32348	546795		
249	14.618	14.606	14.660	VV	32525	947168		
250	14.667	14.660	14.687	VV	25631	397255		
251	14.731	14.687	14.750	VV	31772	1049872		
252	14.760	14.750	14.791	VV	25991	568224		
253	14.813	14.791	14.824	VV	25382	455410	0.86%	0.018%
254	14.842	14.824	14.862	VV	28773	574909	1.08%	0.023%
255	14.878	14.862	14.895	VV	25074	436368	0.82%	0.018%
256	14.907	14.895	14.955	VV	20501	634023	1.20%	0.026%
257	14.972	14.955	14.977	VV	16465	216396	0.41%	0.009%
258	15.000	14.977	15.023	VV	20020	491299	0.93%	0.020%
259	15.038	15.023	15.059	VV	16865	329131	0.62%	0.013%
260	15.068	15.059	15.087	VV	14520	229510	0.43%	0.009%
261	15.096	15.087	15.113	VV	11992	177966	0.34%	0.007%
262	15.118	15.113	15.127	VV	11462	98499	0.19%	0.004%
263	15.153	15.127	15.173	VV	12257	315109	0.59%	0.013%
264	15.189	15.173	15.204	VV	13112	220522	0.42%	0.009%
265	15.224	15.204	15.240	VV	12015	232878	0.44%	0.009%
266	15.257	15.240	15.287	VV	12493	310058	0.58%	0.013%
267	15.295	15.287	15.314	VV	9595	146301	0.28%	0.006%
268	15.342	15.314	15.362	VV	12009	287432	0.54%	0.012%
269	15.374	15.362	15.379	VV	9799	95793	0.18%	0.004%
270	15.389	15.379	15.460	VV	9856	401187	0.76%	0.016%
271	15.494	15.460	15.519	VV	10579	282527	0.53%	0.011%
272	15.529	15.519	15.547	VV	6093	95062	0.18%	0.004%
273	15.559	15.547	15.578	VV	5482	96977	0.18%	0.004%
274	15.591	15.578	15.595	VV	6082	58438	0.11%	0.002%
275	15.633	15.595	15.673	VV	14123	414446	0.78%	0.017%
276	15.678	15.673	15.685	VV	6187	43866	0.08%	0.002%
277	15.698	15.685	15.724	VV	6822	128519	0.24%	0.005%
278	15.728	15.724	15.741	VV	3973	41351	0.08%	0.002%
279	15.780	15.741	15.837	VV	7841	302522	0.57%	0.012%
280	15.858	15.837	15.880	VV	7015	131432	0.25%	0.005%
281	15.900	15.880	15.934	VV	4653	116626	0.22%	0.005%
282	15.977	15.934	15.990	VV	4286	117828	0.22%	0.005%
283	15.997	15.990	16.018	VV	4228	66946	0.13%	0.003%
284	16.024	16.018	16.045	VV	4140	53238	0.10%	0.002%
285	16.058	16.045	16.069	VV	2521	34712	0.07%	0.001%
286	16.095	16.069	16.112	VV	3254	72793	0.14%	0.003%
287	16.132	16.112	16.171	VV	2740	84759	0.16%	0.003%
288	16.186	16.171	16.207	VV	2145	43987	0.08%	0.002%
289	16.229	16.207	16.255	VV	2637	64341	0.12%	0.003%
290	16.280	16.255	16.319	VV	4856	102572	0.19%	0.004%
291	16.331	16.319	16.355	VV	2041	36257	0.07%	0.001%
292	16.367	16.355	16.403	VV	1938	34539	0.07%	0.001%
293	16.467	16.403	16.480	VV	2437	60772	0.11%	0.002%
294	16.495	16.480	16.513	VV	1641	26903	0.05%	0.001%
295	16.527	16.513	16.540	VV	1241	18168	0.03%	0.001%
296	16.565	16.540	16.581	VV	1772	34347	0.06%	0.001%
297	16.604	16.581	16.625	VV	1561	34167	0.06%	0.001%
298	16.662	16.625	16.697	VV	2406	55526	0.10%	0.002%
299	16.760	16.697	16.804	VV	3005	82184	0.16%	0.003%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.813	16.804	16.818	VV	691	4785	0.01%	0.000%
301	16.844	16.818	16.875	VV	3867	60988		
302	16.895	16.875	16.915	VV	1153	21965		
303	16.925	16.915	16.950	VV	842	13880		
304	16.958	16.950	16.964	VV	722	4862		
305	16.986	16.964	17.004	VV	976	19339		
306	17.034	17.004	17.041	VV	1161	18227	0.03%	0.001%
307	17.059	17.041	17.087	VV	1974	34490	0.07%	0.001%
308	17.118	17.087	17.144	VV	2081	38329	0.07%	0.002%
309	17.149	17.144	17.155	VV	830	4778	0.01%	0.000%
310	17.178	17.155	17.182	VV	963	11886	0.02%	0.000%
311	17.191	17.182	17.201	VV	1358	13725	0.03%	0.001%
312	17.228	17.201	17.252	VV	4062	66880	0.13%	0.003%
313	17.279	17.252	17.317	VV	2888	54413	0.10%	0.002%
314	17.324	17.317	17.330	VV	612	3479	0.01%	0.000%
315	17.338	17.330	17.360	VV	755	9711	0.02%	0.000%
316	17.366	17.360	17.404	VV	563	6969	0.01%	0.000%
317	17.433	17.415	17.445	PV	389	4634	0.01%	0.000%
318	17.475	17.445	17.514	VV	1220	24394	0.05%	0.001%
319	17.527	17.514	17.534	VV	494	4216	0.01%	0.000%
320	17.555	17.534	17.582	VV	1044	20790	0.04%	0.001%
321	17.617	17.582	17.635	VV	1126	24437	0.05%	0.001%
322	17.647	17.635	17.662	VV	1171	14888	0.03%	0.001%
323	17.679	17.662	17.714	VV	2441	36315	0.07%	0.001%
324	17.720	17.714	17.727	VV	473	2872	0.01%	0.000%
325	17.732	17.727	17.744	VV	329	2133	0.00%	0.000%
326	17.763	17.744	17.768	VV	572	4440	0.01%	0.000%
327	17.789	17.768	17.799	VV	755	11070	0.02%	0.000%
328	17.804	17.799	17.827	VV	669	6263	0.01%	0.000%
329	17.850	17.827	17.874	VV	962	13838	0.03%	0.001%
330	17.879	17.874	17.885	VV	331	1701	0.00%	0.000%
331	17.890	17.885	17.895	VV	311	1689	0.00%	0.000%
332	17.909	17.895	17.933	VV	589	7142	0.01%	0.000%
333	17.954	17.933	17.979	VV	751	10675	0.02%	0.000%
334	18.033	17.979	18.052	PV	569	12021	0.02%	0.000%
335	18.084	18.052	18.090	VV	981	14729	0.03%	0.001%
336	18.115	18.090	18.138	VV	3852	56923	0.11%	0.002%
337	18.147	18.138	18.153	VV	361	2702	0.01%	0.000%
338	18.162	18.153	18.179	VV	439	4197	0.01%	0.000%
339	18.204	18.179	18.227	VV	695	8390	0.02%	0.000%

Sum of corrected areas: 2470502485

Aromatic EPH 102124.M Thu Oct 31 07:12:01 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-5DL		SDG No.:	P4599	
Lab Sample ID:	P4599-05DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FE050950.D	10	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	234		4.51	11.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	870	E	2.85	7.91	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	523	E	3.56	11.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	29.3		9.49	15.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.4	U	21.4	23.7	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.29		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4599-05DL	Acq On:	31 Oct 2024 18:34
Client Sample ID:	EX-1-TPH-5DL	Operator:	YP\AJ
Data file:	FE050950.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	42323103	296.173	300	ug/ml
Aliphatic C12-C16	6.762	10.193	159634749	1100	200	ug/ml
Aliphatic C16-C21	10.194	13.552	95596098	662.017	300	ug/ml
Aliphatic C21-C28	13.553	17.208	5260621	37.006	400	ug/ml
Aliphatic C28-C40	17.209	22.054	1119369	8.094	600	ug/ml
Aliphatic EPH	3.144	22.054	303933940	2100		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	388756	3.29		ug/ml
Aliphatic C9-C28	3.144	17.208	302814571	2100	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050950.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 18:34
Operator : YP\AJ
Sample : P4599-05DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:43:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.286	388756	3.286 ug/mlm
Spiked Amount 50.000		Recovery =	6.57%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050950.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 18:34
Operator : YP\AJ
Sample : P4599-05DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

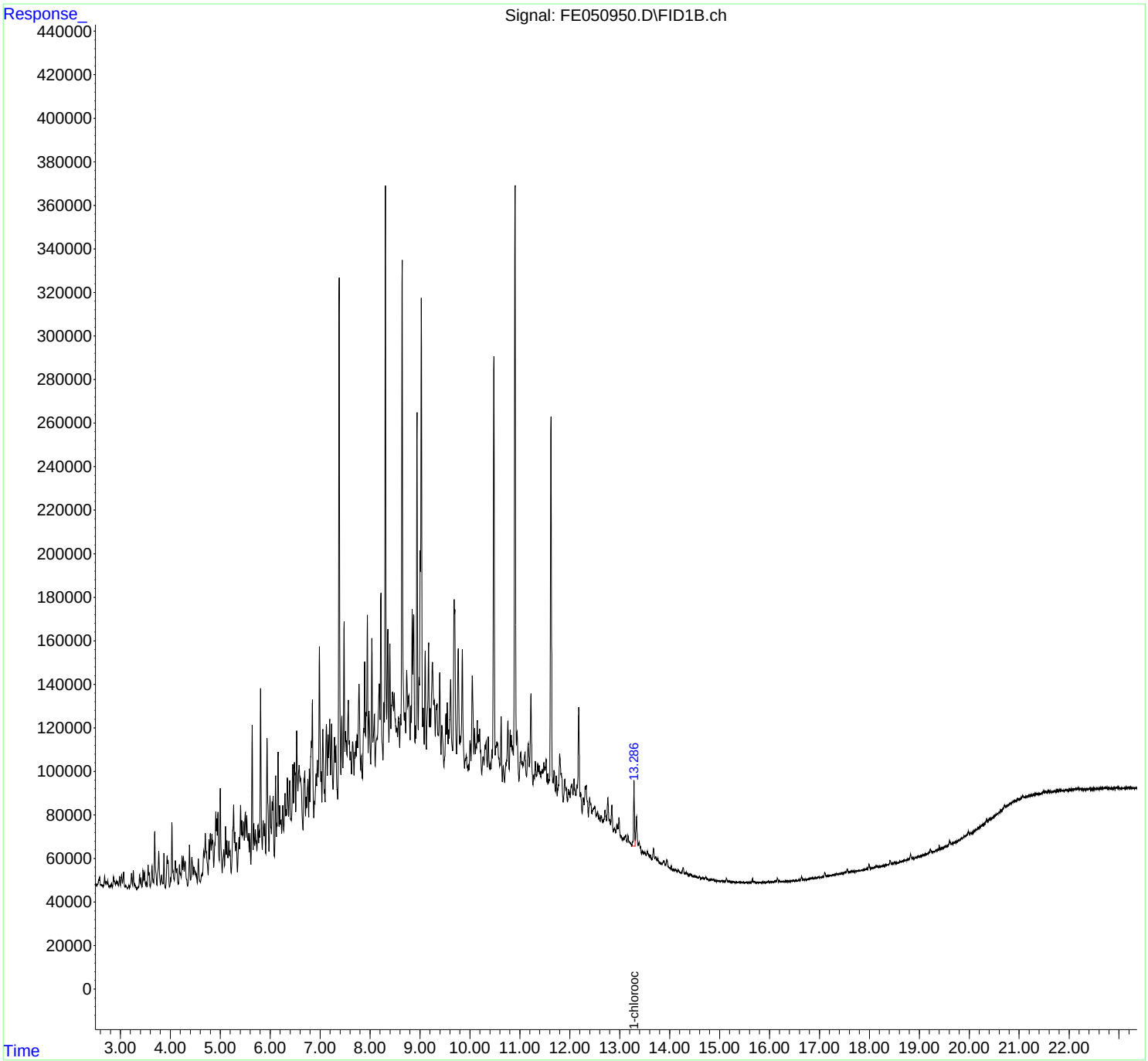
Integration File: autoint1.e
Quant Time: Nov 01 03:43:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

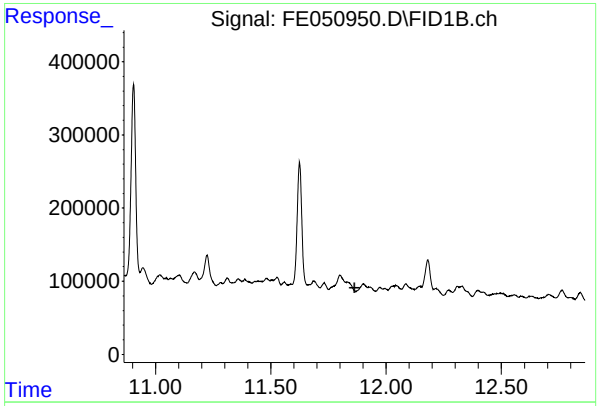
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024





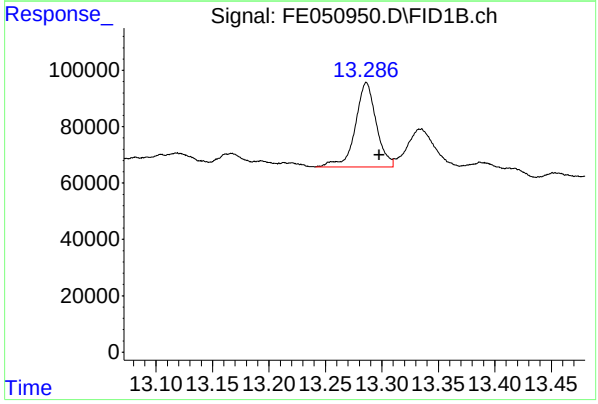
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.012 min
Response: 388756
Conc: 3.29 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050950.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 18:34
Sample : P4599-05DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.288	3.278	3.334	PV	712	7022	0.10%	0.002%
2	3.355	3.334	3.363	PV	729	7855	0.11%	0.003%
3	3.385	3.363	3.400	VV	6481	75307	1.04%	0.025%
4	3.412	3.400	3.433	VV	4929	60284	0.83%	0.020%
5	3.454	3.433	3.468	VV	8545	101767	1.41%	0.033%
6	3.484	3.468	3.511	VV	7566	111382	1.54%	0.037%
7	3.522	3.511	3.535	VV	2908	30129	0.42%	0.010%
8	3.556	3.535	3.598	VV	10775	205363	2.84%	0.067%
9	3.633	3.598	3.668	VV	10454	195350	2.70%	0.064%
10	3.687	3.668	3.731	VV	26051	402692	5.57%	0.132%
11	3.769	3.731	3.803	VV	17176	339175	4.69%	0.111%
12	3.825	3.803	3.853	VV	6104	111816	1.55%	0.037%
13	3.872	3.853	3.901	VV	16135	173783	2.40%	0.057%
14	3.936	3.901	3.984	VV	14901	373188	5.16%	0.122%
15	4.033	3.984	4.081	VV	30307	493451	6.83%	0.162%
16	4.101	4.081	4.120	VV	12681	205960	2.85%	0.068%
17	4.131	4.120	4.161	VV	9026	132306	1.83%	0.043%
18	4.183	4.161	4.216	VV	10868	218412	3.02%	0.072%
19	4.235	4.216	4.248	VV	14882	188676	2.61%	0.062%
20	4.262	4.248	4.278	VV	14658	206620	2.86%	0.068%
21	4.296	4.278	4.345	VV	12268	280377	3.88%	0.092%
22	4.384	4.345	4.408	VV	19918	294618	4.08%	0.097%
23	4.432	4.408	4.458	VV	14163	276470	3.82%	0.091%
24	4.474	4.458	4.493	VV	9537	168420	2.33%	0.055%
25	4.501	4.493	4.515	VV	7574	91460	1.27%	0.030%
26	4.523	4.515	4.540	VV	6645	74212	1.03%	0.024%
27	4.562	4.540	4.603	VV	13495	248743	3.44%	0.082%
28	4.669	4.603	4.684	VV	16980	430471	5.95%	0.141%
29	4.701	4.684	4.757	VV	25163	672005	9.30%	0.220%
30	4.775	4.757	4.787	VV	22430	266566	3.69%	0.087%
31	4.801	4.787	4.819	VV	24983	400553	5.54%	0.131%
32	4.834	4.819	4.845	VV	24437	340173	4.71%	0.112%
33	4.850	4.845	4.870	VV	22122	249142	3.45%	0.082%
34	4.911	4.870	4.921	VV	34959	679931	9.41%	0.223%
35	4.930	4.921	4.942	VV	31735	350419	4.85%	0.115%
36	4.954	4.942	4.980	VV	35054	523279	7.24%	0.172%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

37	5.000	4.980	5.039	VV	45688	788899	10.91%	0.259%
38	5.071	5.039	5.087	VV	17663	384413	5	
39	5.106	5.087	5.122	VV	28144	403653	5	
40	5.134	5.122	5.158	VV	21736	364903	5	
41	5.172	5.158	5.187	VV	21487	306535	4	
42	5.196	5.187	5.219	VV	16939	246219	3	
43	5.268	5.219	5.283	VV	38063	854535	11.82%	0.280%
44	5.291	5.283	5.305	VV	25590	297189	4.11%	0.097%
45	5.323	5.305	5.344	VV	20838	380415	5.26%	0.125%
46	5.376	5.344	5.387	VV	23110	433244	5.99%	0.142%
47	5.408	5.387	5.422	VV	37904	581099	8.04%	0.190%
48	5.432	5.422	5.444	VV	30821	375292	5.19%	0.123%
49	5.469	5.444	5.481	VV	30243	576779	7.98%	0.189%
50	5.502	5.481	5.517	VV	34452	633534	8.76%	0.208%
51	5.531	5.517	5.554	VV	33120	605738	8.38%	0.199%
52	5.566	5.554	5.581	VV	25051	350451	4.85%	0.115%
53	5.594	5.581	5.613	VV	24920	359474	4.97%	0.118%
54	5.640	5.613	5.659	VV	74377	1039865	14.38%	0.341%
55	5.673	5.659	5.690	VV	29438	429315	5.94%	0.141%
56	5.705	5.690	5.734	VV	26546	577581	7.99%	0.189%
57	5.756	5.734	5.769	VV	28691	492247	6.81%	0.161%
58	5.808	5.769	5.842	VV	91251	1719240	23.78%	0.564%
59	5.860	5.842	5.881	VV	30599	613476	8.49%	0.201%
60	5.893	5.881	5.910	VV	29387	408831	5.66%	0.134%
61	5.938	5.910	5.976	VV	68566	1481198	20.49%	0.486%
62	5.998	5.976	6.025	VV	42087	861298	11.91%	0.282%
63	6.059	6.025	6.083	VV	41837	1100134	15.22%	0.361%
64	6.109	6.083	6.125	VV	51053	758603	10.49%	0.249%
65	6.159	6.125	6.178	VV	62298	1249967	17.29%	0.410%
66	6.191	6.178	6.205	VV	37506	530568	7.34%	0.174%
67	6.214	6.205	6.231	VV	30736	447134	6.19%	0.147%
68	6.251	6.231	6.271	VV	37636	746954	10.33%	0.245%
69	6.297	6.271	6.312	VV	43227	863178	11.94%	0.283%
70	6.345	6.312	6.369	VV	50212	1343747	18.59%	0.440%
71	6.391	6.369	6.420	VV	49157	1183173	16.37%	0.388%
72	6.453	6.420	6.470	VV	56557	1283253	17.75%	0.421%
73	6.485	6.470	6.513	VV	57224	1241060	17.17%	0.407%
74	6.532	6.513	6.556	VV	71806	1411691	19.53%	0.463%
75	6.581	6.556	6.598	VV	56046	1306388	18.07%	0.428%
76	6.607	6.598	6.657	VV	49902	1439807	19.92%	0.472%
77	6.692	6.657	6.709	VV	53272	1324846	18.33%	0.434%
78	6.721	6.709	6.731	VV	41369	509124	7.04%	0.167%
79	6.755	6.731	6.771	VV	49477	1030676	14.26%	0.338%
80	6.785	6.771	6.797	VV	54243	680865	9.42%	0.223%
81	6.845	6.797	6.874	VV	85805	2697750	37.32%	0.884%
82	6.920	6.874	6.930	VV	52075	1442499	19.95%	0.473%
83	6.945	6.930	6.959	VV	58061	929960	12.86%	0.305%
84	6.987	6.959	7.036	VV	109412	3008813	41.62%	0.986%
85	7.055	7.036	7.099	VV	72338	2003073	27.71%	0.657%
86	7.127	7.099	7.145	VV	74184	1660503	22.97%	0.544%
87	7.160	7.145	7.172	VV	69450	982362	13.59%	0.322%
88	7.191	7.172	7.210	VV	76951	1511233	20.90%	0.495%
89	7.230	7.210	7.260	VV	74781	1770439	24.49%	0.580%

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Manual IntegrationsAPPROVED

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90	7.288	7.260	7.302	VV	68724	1483271	20.52%	0.486%
91	7.315	7.302	7.353	VV	64435	1598766	22	
92	7.382	7.353	7.416	VV	279462	4489171	62	
93	7.435	7.416	7.456	VV	78252	1590239	22	
94	7.480	7.456	7.499	VV	121461	2094924	28	
95	7.510	7.499	7.537	VV	71148	1546941	21	
96	7.565	7.537	7.601	VV	85718	2673975	36.99%	0.877%
97	7.610	7.601	7.630	VV	61980	1022458	14.14%	0.335%
98	7.654	7.630	7.680	VV	66449	1798191	24.87%	0.589%
99	7.715	7.680	7.726	VV	66679	1664540	23.03%	0.546%
100	7.740	7.726	7.753	VV	69397	1081417	14.96%	0.354%
101	7.781	7.753	7.811	VV	93011	2609715	36.10%	0.855%
102	7.825	7.811	7.847	VV	59902	1179055	16.31%	0.386%
103	7.893	7.847	7.910	VV	102844	2788434	38.57%	0.914%
104	7.947	7.910	7.965	VV	125141	2895369	40.05%	0.949%
105	7.980	7.965	8.013	VV	80259	2026868	28.04%	0.664%
106	8.038	8.013	8.059	VV	114064	2232380	30.88%	0.732%
107	8.086	8.059	8.104	VV	79597	1897316	26.25%	0.622%
108	8.185	8.104	8.199	VV	93056	4211050	58.25%	1.380%
109	8.218	8.199	8.260	VV	134695	3161362	43.73%	1.036%
110	8.279	8.260	8.287	VV	84600	1198241	16.58%	0.393%
111	8.308	8.287	8.334	VV	320849	4644989	64.25%	1.523%
112	8.357	8.334	8.379	VV	118177	2527469	34.96%	0.828%
113	8.398	8.379	8.418	VV	111117	2053345	28.40%	0.673%
114	8.451	8.418	8.472	VV	89040	2730819	37.78%	0.895%
115	8.485	8.472	8.523	VV	88803	2391820	33.09%	0.784%
116	8.532	8.523	8.552	VV	72411	1237287	17.12%	0.406%
117	8.569	8.552	8.594	VV	77770	1847374	25.55%	0.606%
118	8.643	8.594	8.688	VV	287375	6699327	92.67%	2.196%
119	8.698	8.688	8.715	VV	79866	1219622	16.87%	0.400%
120	8.736	8.715	8.758	VV	99011	2241706	31.01%	0.735%
121	8.777	8.758	8.804	VV	87643	2230928	30.86%	0.731%
122	8.819	8.804	8.828	VV	82569	1096069	15.16%	0.359%
123	8.846	8.828	8.858	VV	127108	1880648	26.01%	0.616%
124	8.874	8.858	8.900	VV	124331	2524564	34.92%	0.828%
125	8.911	8.900	8.920	VV	73679	839027	11.61%	0.275%
126	8.942	8.920	8.965	VV	217161	3470358	48.01%	1.138%
127	9.028	8.965	9.054	VV	270344	7229116	100.00%	2.370%
128	9.067	9.054	9.085	VV	81560	1381795	19.11%	0.453%
129	9.105	9.085	9.128	VV	107880	2156448	29.83%	0.707%
130	9.173	9.128	9.192	VV	112082	3265280	45.17%	1.070%
131	9.205	9.192	9.217	VV	81603	1180921	16.34%	0.387%
132	9.249	9.217	9.274	VV	102599	3111207	43.04%	1.020%
133	9.285	9.274	9.307	VV	84751	1579900	21.85%	0.518%
134	9.341	9.307	9.364	VV	83275	2651865	36.68%	0.869%
135	9.396	9.364	9.422	VV	97917	2679009	37.06%	0.878%
136	9.440	9.422	9.481	VV	73410	2309061	31.94%	0.757%
137	9.519	9.481	9.533	VV	78666	2073387	28.68%	0.680%
138	9.549	9.533	9.564	VV	80453	1369915	18.95%	0.449%
139	9.575	9.564	9.585	VV	71438	844543	11.68%	0.277%
140	9.615	9.585	9.658	VV	94562	3295533	45.59%	1.080%
141	9.686	9.658	9.733	VV	131479	4288926	59.33%	1.406%

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142	9.767	9.733	9.817	VV	109239	3959787	54.78%	1.298%
143	9.850	9.817	9.893	VV	108843	3413574	47	
144	9.927	9.893	9.961	VV	59909	2321655	32	
145	10.005	9.961	10.023	VV	66496	2167049	29	
146	10.050	10.023	10.080	VV	96232	2626403	36	
147	10.094	10.080	10.111	VV	72184	1247676	17	
148	10.150	10.111	10.163	VV	75434	2077407	28.74%	0.681%
149	10.174	10.163	10.184	VV	69282	837760	11.59%	0.275%
150	10.196	10.184	10.238	VV	71992	2026738	28.04%	0.664%
151	10.266	10.238	10.284	VV	58826	1549287	21.43%	0.508%
152	10.324	10.284	10.349	VV	65977	2406589	33.29%	0.789%
153	10.369	10.349	10.394	VV	68172	1621308	22.43%	0.531%
154	10.407	10.394	10.421	VV	55748	888821	12.30%	0.291%
155	10.481	10.421	10.509	VV	242444	5563032	76.95%	1.824%
156	10.541	10.509	10.552	VV	65922	1657005	22.92%	0.543%
157	10.558	10.552	10.599	VV	64901	1665684	23.04%	0.546%
158	10.627	10.599	10.651	VV	77428	1912810	26.46%	0.627%
159	10.668	10.651	10.695	VV	54627	1341876	18.56%	0.440%
160	10.761	10.695	10.788	VV	75399	3286147	45.46%	1.077%
161	10.809	10.788	10.820	VV	71029	1209089	16.73%	0.396%
162	10.831	10.820	10.846	VV	68734	1005894	13.91%	0.330%
163	10.854	10.846	10.870	VV	63952	898922	12.43%	0.295%
164	10.905	10.870	10.934	VV	321671	5858653	81.04%	1.920%
165	10.946	10.934	10.983	VV	70577	1784853	24.69%	0.585%
166	11.019	10.983	11.056	VV	61044	2460401	34.03%	0.807%
167	11.066	11.056	11.076	VV	55941	656977	9.09%	0.215%
168	11.103	11.076	11.136	VV	60562	2027040	28.04%	0.664%
169	11.169	11.136	11.191	VV	65010	1900195	26.29%	0.623%
170	11.223	11.191	11.264	VV	87933	2764403	38.24%	0.906%
171	11.283	11.264	11.292	VV	50532	817609	11.31%	0.268%
172	11.311	11.292	11.331	VV	56723	1245302	17.23%	0.408%
173	11.359	11.331	11.374	VV	55489	1363635	18.86%	0.447%
174	11.388	11.374	11.418	VV	54696	1364686	18.88%	0.447%
175	11.482	11.418	11.510	VV	56032	2898539	40.10%	0.950%
176	11.527	11.510	11.545	VV	57655	1141628	15.79%	0.374%
177	11.558	11.545	11.574	VV	50965	860275	11.90%	0.282%
178	11.625	11.574	11.661	VV	214117	4753820	65.76%	1.558%
179	11.687	11.661	11.713	VV	52208	1510652	20.90%	0.495%
180	11.731	11.713	11.751	VV	49991	1035988	14.33%	0.340%
181	11.801	11.751	11.868	VV	60104	3427657	47.41%	1.124%
182	11.902	11.868	11.954	VV	48441	2221794	30.73%	0.728%
183	11.973	11.954	12.008	VV	43695	1329826	18.40%	0.436%
184	12.044	12.008	12.066	VV	46012	1542138	21.33%	0.506%
185	12.086	12.066	12.122	VV	48231	1485826	20.55%	0.487%
186	12.146	12.122	12.153	VV	45125	796145	11.01%	0.261%
187	12.181	12.153	12.249	VV	81349	2877252	39.80%	0.943%
188	12.271	12.249	12.288	VV	39812	873875	12.09%	0.286%
189	12.329	12.288	12.374	VV	45067	2056079	28.44%	0.674%
190	12.398	12.374	12.448	VV	39735	1588928	21.98%	0.521%
191	12.497	12.448	12.529	VV	35613	1659838	22.96%	0.544%
192	12.556	12.529	12.575	VV	33369	887876	12.28%	0.291%
193	12.586	12.575	12.607	VV	31455	585831	8.10%	0.192%
194	12.629	12.607	12.663	VV	31356	1003923	13.89%	0.329%

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195	12.706	12.663	12.735	VV	33999	1347503	18.64%	0.442%
196	12.763	12.735	12.818	VV	39596	1600424	22	
197	12.842	12.818	12.871	VV	36349	961429	13	
198	12.895	12.871	12.920	VV	25575	733526	10	
199	12.949	12.920	12.967	VV	27485	717897	9	
200	12.985	12.967	13.021	VV	30516	840146	11	
201	13.030	13.021	13.056	VV	21973	445934	6.17%	0.146%
202	13.066	13.056	13.085	VV	21051	360191	4.98%	0.118%
203	13.118	13.085	13.147	VV	22426	782193	10.82%	0.256%
204	13.166	13.147	13.240	VV	22108	1094911	15.15%	0.359%
205	13.286	13.240	13.311	VV	47327	1133616	15.68%	0.372%
206	13.334	13.311	13.371	VV	30879	847817	11.73%	0.278%
207	13.389	13.371	13.437	VV	19041	687080	9.50%	0.225%
208	13.454	13.437	13.478	VV	15234	353271	4.89%	0.116%
209	13.503	13.478	13.529	VV	14631	428962	5.93%	0.141%
210	13.550	13.529	13.600	VV	14789	579968	8.02%	0.190%
211	13.615	13.600	13.642	VV	13132	310155	4.29%	0.102%
212	13.675	13.642	13.700	VV	16268	466580	6.45%	0.153%
213	13.720	13.700	13.745	VV	12586	315251	4.36%	0.103%
214	13.762	13.745	13.821	VV	11489	472142	6.53%	0.155%
215	13.832	13.821	13.844	VV	9339	129343	1.79%	0.042%
216	13.887	13.844	13.921	VV	10438	439332	6.08%	0.144%
217	13.946	13.921	14.015	VV	10879	484375	6.70%	0.159%
218	14.033	14.015	14.068	VV	8089	218804	3.03%	0.072%
219	14.085	14.068	14.103	VV	6480	133863	1.85%	0.044%
220	14.118	14.103	14.152	VV	6644	177884	2.46%	0.058%
221	14.177	14.152	14.230	VV	6142	258848	3.58%	0.085%
222	14.269	14.230	14.298	VV	7254	233606	3.23%	0.077%
223	14.332	14.298	14.379	VV	5122	217848	3.01%	0.071%
224	14.412	14.379	14.464	VV	4351	196954	2.72%	0.065%
225	14.475	14.464	14.494	VV	3446	59295	0.82%	0.019%
226	14.506	14.494	14.529	VV	3425	67612	0.94%	0.022%
227	14.543	14.529	14.575	VV	3166	78720	1.09%	0.026%
228	14.597	14.575	14.644	VV	3360	106549	1.47%	0.035%
229	14.668	14.644	14.701	VV	2595	81330	1.13%	0.027%
230	14.725	14.701	14.784	VV	2840	108928	1.51%	0.036%
231	14.790	14.784	14.807	VV	1582	20072	0.28%	0.007%
232	14.838	14.807	14.862	VV	1755	52595	0.73%	0.017%
233	14.879	14.862	14.933	VV	1649	58019	0.80%	0.019%
234	14.947	14.933	14.963	VV	1114	18752	0.26%	0.006%
235	14.977	14.963	15.013	VV	1163	30196	0.42%	0.010%
236	15.043	15.013	15.075	VV	989	33351	0.46%	0.011%
237	15.093	15.075	15.110	VV	1088	17837	0.25%	0.006%
238	15.136	15.110	15.253	VV	2251	78083	1.08%	0.026%
239	15.275	15.253	15.324	VV	631	19120	0.26%	0.006%
240	15.340	15.324	15.370	VV	444	9342	0.13%	0.003%
241	15.385	15.370	15.488	VV	438	19381	0.27%	0.006%
242	15.520	15.488	15.535	VV	231	5005	0.07%	0.002%
243	15.561	15.535	15.600	VV	317	8202	0.11%	0.003%
244	15.612	15.600	15.618	VV	249	2079	0.03%	0.001%
245	15.625	15.618	15.633	VV	201	1887	0.03%	0.001%
246	15.657	15.633	15.769	VV	1569	39075	0.54%	0.013%

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247	15.801	15.769	15.811	PV	182	2415	0.03%	0.001%
248	15.825	15.811	15.835	VV	167	1129	0	
249	15.866	15.835	15.891	VV	165	3944	0	
250	15.902	15.891	15.934	VV	183	2942	0	
251	15.972	15.934	16.021	VV	473	12653	0	
252	16.039	16.021	16.077	VV	252	5092	0	
253	16.118	16.077	16.133	PV	439	9706	0.13%	0.003%
254	16.158	16.133	16.244	VV	1799	35787	0.50%	0.012%
255	16.276	16.244	16.284	VV	154	2506	0.03%	0.001%
256	16.293	16.284	16.321	VV	168	1676	0.02%	0.001%
257	16.357	16.321	16.374	VV	265	5003	0.07%	0.002%
258	16.396	16.374	16.421	PV	172	2645	0.04%	0.001%
259	16.471	16.421	16.507	PV	294	8236	0.11%	0.003%
260	16.517	16.507	16.558	VV	185	3069	0.04%	0.001%
261	16.602	16.558	16.611	PV	263	4515	0.06%	0.001%
262	16.640	16.611	16.699	VV	1635	28746	0.40%	0.009%
263	16.731	16.699	16.750	VV	298	4917	0.07%	0.002%
264	16.869	16.750	16.891	VV	486	25276	0.35%	0.008%
265	16.985	16.891	17.025	VV	622	37128	0.51%	0.012%
266	17.106	17.025	17.180	VV	2592	92821	1.28%	0.030%
267	17.345	17.180	17.380	VV	1345	119035	1.65%	0.039%
268	17.438	17.380	17.454	VV	1275	54521	0.75%	0.018%
269	17.518	17.454	17.531	VV	1877	71182	0.98%	0.023%
270	17.557	17.531	17.609	VV	3013	94523	1.31%	0.031%
271	17.663	17.609	17.691	VV	1905	84488	1.17%	0.028%
272	17.725	17.691	17.734	VV	1733	43410	0.60%	0.014%
273	17.898	17.734	17.907	VV	2029	187072	2.59%	0.061%
274	17.993	17.907	18.023	VV	4267	180410	2.50%	0.059%
275	18.132	18.023	18.149	VV	3102	192145	2.66%	0.063%
276	18.157	18.149	18.186	VV	2982	63012	0.87%	0.021%
277	18.194	18.186	18.204	VV	2685	29571	0.41%	0.010%

Sum of corrected areas: 305067556

Aliphatic EPH 100824.M Fri Nov 01 09:08:04 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-5DL		SDG No.:	P4599	
Lab Sample ID:	P4599-05DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FG014606.D	5	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	88.6	E	1.78	3.96	mg/kg
Aromatic C12-C16	Aromatic C12-C16	536	E	2.02	5.93	mg/kg
Aromatic C16-C21	Aromatic C16-C21	922	E	5.70	9.89	mg/kg
Aromatic C21-C36	Aromatic C21-C36	45.1		11.9	15.8	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	20.6		40 - 140	206%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	21.2		40 - 140	212%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	7.51		40 - 140	75%	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:	P4599-05DL	Acq On:	31 Oct 2024 12:48
Client Sample ID:	EX-1-TPH-5DL	Operator:	YP\AJ
Data file:	FG014606.D	Misc:	
Instrument:	FID_G	ALS Vial:	42
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	31252574	224.04	200	ug/ml
Aromatic C12-C16	6.386	9.086	197275476	1360	300	ug/ml
Aromatic C16-C21	9.087	13.404	337631411	2330	500	ug/ml
Aromatic C21-C36	13.405	18.847	16193816	113.93	800	ug/ml
Aromatic EPH	4.516	18.847	582353277	4030		ug/ml
2-Bromonaphthalene (SURR)	8.013	8.013	2589324	20.63		ug/ml
2-Flurobiphenyl (SURR)	8.889	8.889	1827750	21.22		ug/ml
ortho-Terphenyl (SURR)	11.960	11.960	1112200	7.51		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014606.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 12:48
Operator : YP\AJ
Sample : P4599-05DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:26:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL

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Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.013	2589324	20.626 ug/mlm
Spiked Amount 50.000		Recovery =	41.25%
6) S 2-Flurobiphenyl (SURR)	8.889	1827750	21.220 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	42.44%
11) S ortho-Terphenyl (SURR)	11.960	1112200	7.512 ug/mlm
Spiked Amount 50.000		Recovery =	15.02%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014606.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 12:48
Operator : YP\AJ
Sample : P4599-05DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

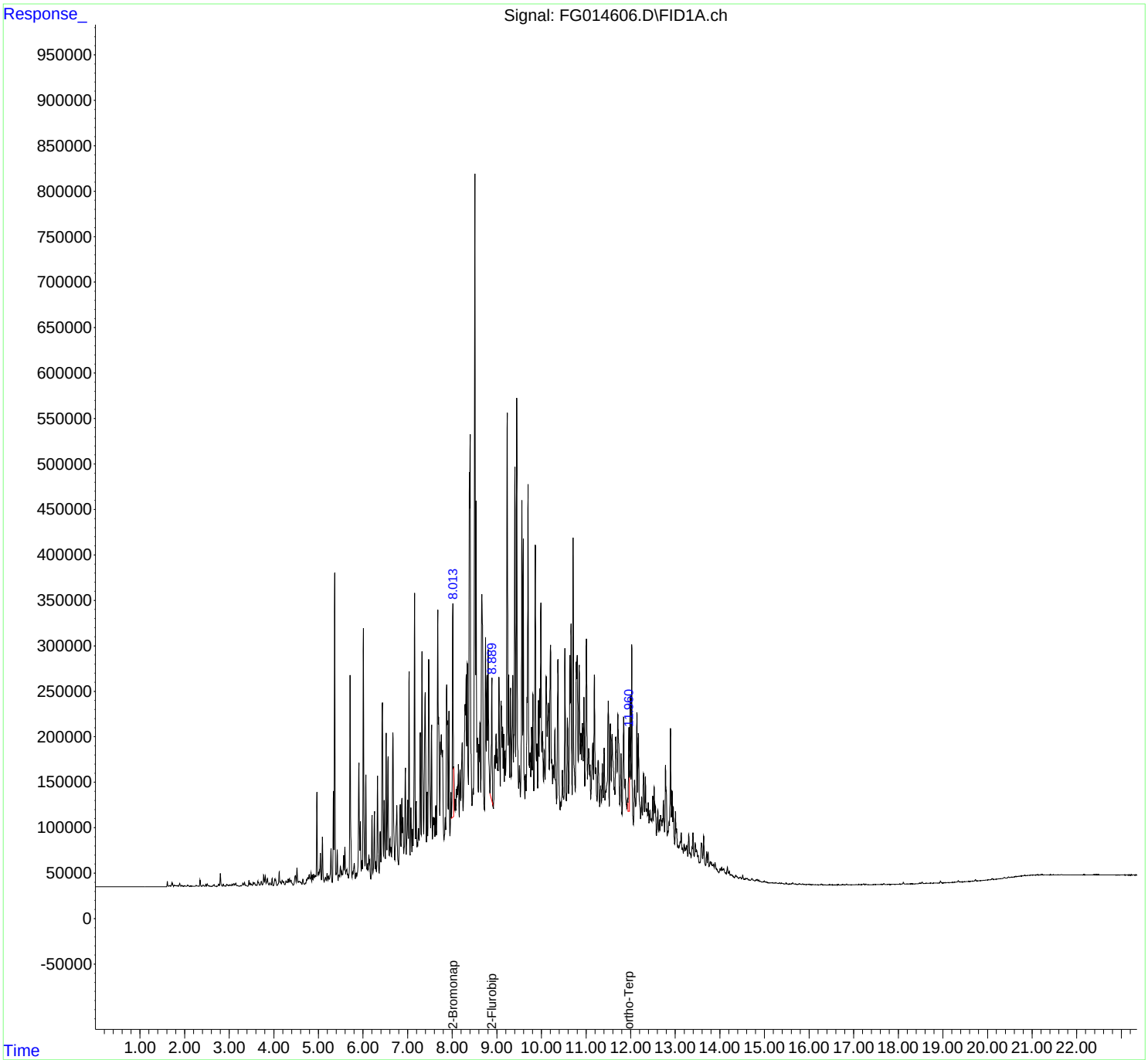
Integration File: autoint1.e
Quant Time: Nov 01 01:26:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

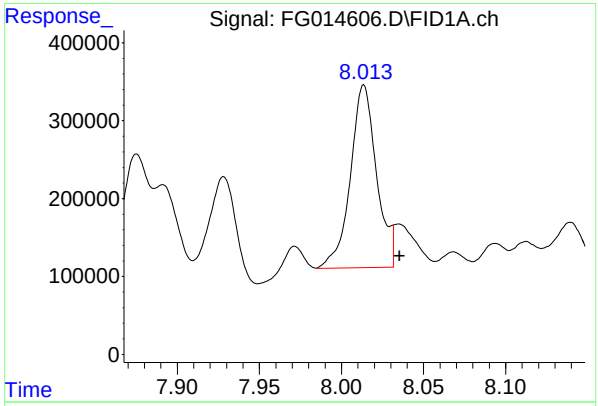
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL

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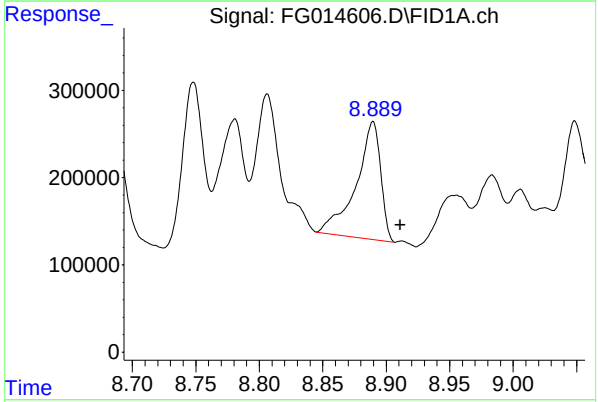
#4 2-Bromonaphthalene (SURR)

R.T.: 8.013 min
Delta R.T.: -0.022 min
Response: 2589324
Conc: 20.63 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL

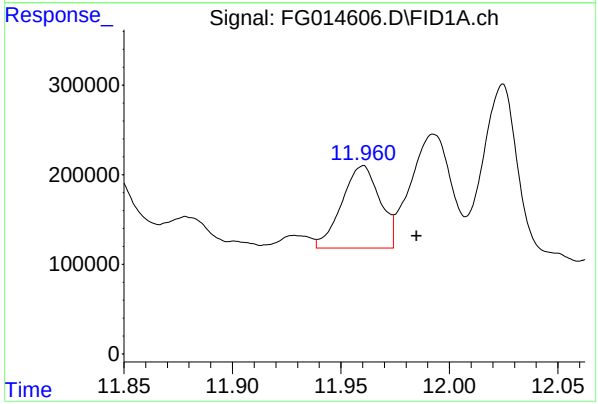
Manual Integrations
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.889 min
Delta R.T.: -0.022 min
Response: 1827750
Conc: 21.22 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.960 min
Delta R.T.: -0.025 min
Response: 1112200
Conc: 7.51 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014606.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 12:48
Sample : P4599-05DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.274	4.251	4.286	BV	4524	53699	0.47%	0.009%
2	4.295	4.286	4.307	VV	3495	38840	0.34%	0.007%
3	4.323	4.307	4.336	VV	6593	80299	0.71%	0.014%
4	4.352	4.336	4.367	VV	7045	94658	0.83%	0.016%
5	4.387	4.367	4.408	VV	5538	104841	0.92%	0.018%
6	4.412	4.408	4.434	VV	2104	18957	0.17%	0.003%
7	4.485	4.434	4.503	PV	10506	215246	1.89%	0.037%
8	4.520	4.503	4.547	VV	18972	245638	2.16%	0.042%
9	4.563	4.547	4.571	VV	4322	56066	0.49%	0.010%
10	4.579	4.571	4.604	VV	4236	71591	0.63%	0.012%
11	4.613	4.604	4.631	VV	3341	39595	0.35%	0.007%
12	4.653	4.631	4.678	VV	6487	101006	0.89%	0.017%
13	4.684	4.678	4.694	VV	1395	12627	0.11%	0.002%
14	4.712	4.694	4.717	VV	2368	26189	0.23%	0.004%
15	4.735	4.717	4.743	VV	6282	70550	0.62%	0.012%
16	4.760	4.743	4.776	VV	8358	146563	1.29%	0.025%
17	4.792	4.776	4.815	VV	11688	204525	1.80%	0.035%
18	4.835	4.815	4.850	VV	13937	192857	1.70%	0.033%
19	4.864	4.850	4.876	VV	11360	128447	1.13%	0.022%
20	4.891	4.876	4.909	VV	12117	188450	1.66%	0.032%
21	4.923	4.909	4.934	VV	10975	146263	1.29%	0.025%
22	4.942	4.934	4.947	VV	10358	82705	0.73%	0.014%
23	4.967	4.947	4.988	VV	102517	1102815	9.70%	0.188%
24	5.001	4.988	5.010	VV	13971	168949	1.49%	0.029%
25	5.022	5.010	5.030	VV	16096	167925	1.48%	0.029%
26	5.046	5.030	5.069	VV	35346	458162	4.03%	0.078%
27	5.091	5.069	5.130	VV	53161	686093	6.04%	0.117%
28	5.158	5.130	5.177	VV	8588	184798	1.63%	0.032%
29	5.195	5.177	5.213	VV	13253	192608	1.69%	0.033%
30	5.226	5.213	5.242	VV	10154	136746	1.20%	0.023%
31	5.283	5.242	5.311	VV	40126	623334	5.48%	0.106%
32	5.337	5.311	5.349	VV	103619	1044375	9.19%	0.178%
33	5.366	5.349	5.393	VV	343994	3569017	31.40%	0.609%
34	5.423	5.393	5.442	VV	39286	554908	4.88%	0.095%
35	5.462	5.442	5.475	VV	11426	193356	1.70%	0.033%
36	5.494	5.475	5.512	VV	20739	350387	3.08%	0.060%

Instrument :
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ClientSampleId :
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37	5.523	5.512	5.545	VV	15530	258402	2.27%	0.044%
38	5.567	5.545	5.579	VV	32772	438470	3	
39	5.594	5.579	5.612	VV	42287	529385	4	
40	5.637	5.612	5.653	VV	17375	375648	3	
41	5.659	5.653	5.674	VV	12200	133707	1	
42	5.711	5.674	5.753	VV	230726	3066317	26	
43	5.767	5.753	5.776	VV	14444	174823	1.54%	0.030%
44	5.804	5.776	5.828	VV	24545	507370	4.46%	0.087%
45	5.847	5.828	5.861	VV	13525	219094	1.93%	0.037%
46	5.907	5.861	5.931	VV	134572	2155954	18.97%	0.368%
47	5.942	5.931	5.961	VV	69921	790418	6.95%	0.135%
48	5.975	5.961	5.988	VV	27488	350459	3.08%	0.060%
49	6.008	5.988	6.045	VV	282615	3535591	31.11%	0.604%
50	6.065	6.045	6.096	VV	121458	1503707	13.23%	0.257%
51	6.109	6.096	6.119	VV	24036	282967	2.49%	0.048%
52	6.132	6.119	6.144	VV	33431	403110	3.55%	0.069%
53	6.151	6.144	6.175	VV	27991	333602	2.94%	0.057%
54	6.202	6.175	6.222	VV	77292	924656	8.14%	0.158%
55	6.256	6.222	6.274	VV	81313	1202801	10.58%	0.205%
56	6.285	6.274	6.301	VV	25529	328335	2.89%	0.056%
57	6.326	6.301	6.362	VV	120131	1743025	15.34%	0.298%
58	6.385	6.362	6.403	VV	59099	848188	7.46%	0.145%
59	6.434	6.403	6.461	VV	200801	3539496	31.14%	0.604%
60	6.477	6.461	6.500	VV	93635	1368225	12.04%	0.234%
61	6.519	6.500	6.536	VV	167505	1921694	16.91%	0.328%
62	6.561	6.536	6.589	VV	141714	2381538	20.95%	0.407%
63	6.605	6.589	6.617	VV	51160	698446	6.15%	0.119%
64	6.625	6.617	6.639	VV	41964	490442	4.32%	0.084%
65	6.672	6.639	6.712	VV	167992	3492680	30.73%	0.596%
66	6.759	6.712	6.798	VV	87734	2480522	21.83%	0.423%
67	6.835	6.798	6.851	VV	88925	1824902	16.06%	0.312%
68	6.872	6.851	6.886	VV	95867	1521897	13.39%	0.260%
69	6.896	6.886	6.915	VV	74795	1003834	8.83%	0.171%
70	6.950	6.915	6.969	VV	129172	2248209	19.78%	0.384%
71	7.002	6.969	7.016	VV	93475	1741105	15.32%	0.297%
72	7.033	7.016	7.055	VV	235035	2752473	24.22%	0.470%
73	7.075	7.055	7.099	VV	85368	1546673	13.61%	0.264%
74	7.113	7.099	7.124	VV	61915	752179	6.62%	0.128%
75	7.157	7.124	7.177	VV	321648	4546033	40.00%	0.776%
76	7.193	7.177	7.213	VV	92403	1420652	12.50%	0.243%
77	7.222	7.213	7.227	VV	45361	380538	3.35%	0.065%
78	7.244	7.227	7.260	VV	62411	1044779	9.19%	0.178%
79	7.283	7.260	7.303	VV	167748	2710614	23.85%	0.463%
80	7.324	7.303	7.362	VV	257622	4672951	41.12%	0.798%
81	7.393	7.362	7.423	VV	211885	4781029	42.07%	0.816%
82	7.438	7.423	7.453	VV	102740	1335467	11.75%	0.228%
83	7.475	7.453	7.518	VV	248456	5422620	47.71%	0.926%
84	7.538	7.518	7.558	VV	176304	2575173	22.66%	0.440%
85	7.578	7.558	7.591	VV	75133	1295566	11.40%	0.221%
86	7.601	7.591	7.614	VV	74268	916341	8.06%	0.156%
87	7.631	7.614	7.647	VV	87802	1396015	12.28%	0.238%
88	7.677	7.647	7.690	VV	302796	4367715	38.43%	0.746%
89	7.696	7.690	7.723	VV	184988	2771975	24.39%	0.473%

Instrument :
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EX-1-TPH-5DL

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90	7.738	7.723	7.745	VV	157883	1715907	15.10%	0.293%
91	7.756	7.745	7.776	VV	165539	2802731	24	
92	7.784	7.776	7.818	VV	148890	2431960	21	
93	7.844	7.818	7.855	VV	74643	1413262	12	
94	7.875	7.855	7.886	VV	220733	2887454	25	
95	7.891	7.886	7.910	VV	181279	2000145	17	
96	7.928	7.910	7.950	VV	191664	2890418	25.43%	0.493%
97	7.972	7.950	7.985	VV	102226	1632493	14.36%	0.279%
98	8.014	7.985	8.030	VV	309548	4593545	40.42%	0.784%
99	8.035	8.030	8.057	VV	130564	1791673	15.76%	0.306%
100	8.068	8.057	8.080	VV	94899	1206063	10.61%	0.206%
101	8.094	8.080	8.102	VV	105830	1314447	11.57%	0.224%
102	8.112	8.102	8.122	VV	108641	1214094	10.68%	0.207%
103	8.139	8.122	8.158	VV	133031	2350108	20.68%	0.401%
104	8.175	8.158	8.192	VV	126756	2100003	18.48%	0.358%
105	8.224	8.192	8.245	VV	157375	3837610	33.77%	0.655%
106	8.289	8.245	8.301	VV	198984	4941027	43.47%	0.843%
107	8.313	8.301	8.325	VV	231924	2896318	25.48%	0.494%
108	8.338	8.325	8.365	VV	244274	4009485	35.28%	0.684%
109	8.387	8.365	8.393	VV	454239	5128312	45.12%	0.875%
110	8.402	8.393	8.444	VV	494773	7272680	63.99%	1.242%
111	8.468	8.444	8.476	VV	106166	1906302	16.77%	0.325%
112	8.510	8.476	8.525	VV	781815	11365479	100.00%	1.940%
113	8.536	8.525	8.555	VV	422266	5049663	44.43%	0.862%
114	8.566	8.555	8.586	VV	162279	2609561	22.96%	0.445%
115	8.600	8.586	8.609	VV	155249	1812194	15.94%	0.309%
116	8.621	8.609	8.640	VV	178364	2791781	24.56%	0.477%
117	8.665	8.640	8.724	VV	320078	9807504	86.29%	1.674%
118	8.748	8.724	8.763	VV	272875	4092483	36.01%	0.699%
119	8.781	8.763	8.792	VV	231217	3415179	30.05%	0.583%
120	8.806	8.792	8.845	VV	259266	5350473	47.08%	0.913%
121	8.890	8.845	8.908	VV	228023	5372782	47.27%	0.917%
122	8.912	8.908	8.924	VV	90799	836666	7.36%	0.143%
123	8.954	8.924	8.968	VV	142797	3179403	27.97%	0.543%
124	8.983	8.968	8.996	VV	166471	2524319	22.21%	0.431%
125	9.006	8.996	9.018	VV	150229	1842393	16.21%	0.315%
126	9.025	9.018	9.031	VV	128731	1009337	8.88%	0.172%
127	9.049	9.031	9.077	VV	228541	4478439	39.40%	0.765%
128	9.094	9.077	9.100	VV	202562	2328096	20.48%	0.397%
129	9.105	9.100	9.121	VV	196828	2204644	19.40%	0.376%
130	9.130	9.121	9.143	VV	174072	2079796	18.30%	0.355%
131	9.155	9.143	9.169	VV	166226	2271446	19.99%	0.388%
132	9.183	9.169	9.196	VV	147434	2130834	18.75%	0.364%
133	9.233	9.196	9.254	VV	518612	8966295	78.89%	1.531%
134	9.267	9.254	9.289	VV	231291	3840771	33.79%	0.656%
135	9.306	9.289	9.324	VV	216520	3427127	30.15%	0.585%
136	9.357	9.324	9.372	VV	231092	4884035	42.97%	0.834%
137	9.406	9.372	9.423	VV	460636	7613385	66.99%	1.300%
138	9.448	9.423	9.490	VV	535625	9696871	85.32%	1.655%
139	9.509	9.490	9.529	VV	131548	2745400	24.16%	0.469%
140	9.564	9.529	9.580	VV	423605	6905515	60.76%	1.179%
141	9.594	9.580	9.611	VV	381027	4656280	40.97%	0.795%

Instrument :
FID_G
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EX-1-TPH-5DL

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142	9.616	9.611	9.630	VV	120049	1243899	10.94%	0.212%
143	9.644	9.630	9.658	VV	121563	1902422	16	
144	9.678	9.658	9.683	VV	206955	2390612	21	
145	9.700	9.683	9.732	VV	440776	7296154	64	
146	9.745	9.732	9.764	VV	145939	2554122	22	
147	9.781	9.764	9.794	VV	173832	2615709	23	
148	9.808	9.794	9.830	VV	210292	3316433	29.18%	0.566%
149	9.863	9.830	9.891	VV	374027	7460961	65.65%	1.274%
150	9.901	9.891	9.916	VV	155798	2045972	18.00%	0.349%
151	9.934	9.916	9.947	VV	203234	3014634	26.52%	0.515%
152	9.962	9.947	9.972	VV	216102	2827161	24.87%	0.483%
153	9.988	9.972	10.010	VV	310388	5013143	44.11%	0.856%
154	10.025	10.010	10.048	VV	168807	3298991	29.03%	0.563%
155	10.062	10.048	10.084	VV	148796	2844732	25.03%	0.486%
156	10.107	10.084	10.130	VV	229710	5011162	44.09%	0.855%
157	10.157	10.130	10.175	VV	200452	4675647	41.14%	0.798%
158	10.204	10.175	10.225	VV	264214	6040379	53.15%	1.031%
159	10.231	10.225	10.250	VV	137727	1915513	16.85%	0.327%
160	10.265	10.250	10.282	VV	131824	2385257	20.99%	0.407%
161	10.303	10.282	10.340	VV	171267	4471791	39.35%	0.763%
162	10.369	10.340	10.420	VV	248154	6807471	59.90%	1.162%
163	10.431	10.420	10.445	VV	91257	1323188	11.64%	0.226%
164	10.471	10.445	10.502	VV	126472	3514720	30.92%	0.600%
165	10.527	10.502	10.561	VV	260352	5074085	44.64%	0.866%
166	10.584	10.561	10.610	VV	183542	4083340	35.93%	0.697%
167	10.639	10.610	10.650	VV	253183	4304563	37.87%	0.735%
168	10.665	10.650	10.689	VV	287424	4703515	41.38%	0.803%
169	10.709	10.689	10.758	VV	382290	7556412	66.49%	1.290%
170	10.784	10.758	10.793	VV	245477	3830944	33.71%	0.654%
171	10.802	10.793	10.825	VV	252846	3924976	34.53%	0.670%
172	10.847	10.825	10.871	VV	242349	5129013	45.13%	0.876%
173	10.885	10.871	10.899	VV	167196	2524612	22.21%	0.431%
174	10.919	10.899	10.936	VV	178410	3525134	31.02%	0.602%
175	10.953	10.936	10.971	VV	206804	3486726	30.68%	0.595%
176	11.009	10.971	11.032	VV	271109	6588222	57.97%	1.125%
177	11.061	11.032	11.079	VV	150489	3842717	33.81%	0.656%
178	11.090	11.079	11.105	VV	132444	1865593	16.41%	0.318%
179	11.151	11.105	11.166	VV	156521	4600269	40.48%	0.785%
180	11.187	11.166	11.208	VV	230675	4201320	36.97%	0.717%
181	11.221	11.208	11.246	VV	128996	2613371	22.99%	0.446%
182	11.272	11.246	11.306	VV	137333	4044535	35.59%	0.690%
183	11.328	11.306	11.346	VV	109261	2370269	20.85%	0.405%
184	11.366	11.346	11.386	VV	133272	2677847	23.56%	0.457%
185	11.407	11.386	11.426	VV	150878	2913219	25.63%	0.497%
186	11.445	11.426	11.451	VV	104274	1512778	13.31%	0.258%
187	11.499	11.451	11.520	VV	202498	5637001	49.60%	0.962%
188	11.547	11.520	11.566	VV	177566	4037453	35.52%	0.689%
189	11.584	11.566	11.646	VV	165851	6112590	53.78%	1.043%
190	11.667	11.646	11.696	VV	163091	4151242	36.53%	0.709%
191	11.714	11.696	11.756	VV	188081	5200204	45.75%	0.888%
192	11.784	11.756	11.805	VV	144782	3284547	28.90%	0.561%
193	11.842	11.805	11.866	VV	184543	4690110	41.27%	0.801%
194	11.879	11.866	11.914	VV	116517	2841847	25.00%	0.485%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	11.929	11.914	11.939	VV	95284	1389056	12.22%	0.237%
196	11.960	11.939	11.974	VV	173062	2826907	24	
197	11.993	11.974	12.008	VV	208374	3286254	28	
198	12.025	12.008	12.060	VV	264707	4372923	38	
199	12.087	12.060	12.113	VV	115403	2948018	25	
200	12.141	12.113	12.157	VV	189858	3402215	29	
201	12.173	12.157	12.221	VV	166664	4353043	38.30%	0.743%
202	12.245	12.221	12.264	VV	97416	2140869	18.84%	0.365%
203	12.290	12.264	12.311	VV	122867	2881864	25.36%	0.492%
204	12.331	12.311	12.349	VV	118732	2223250	19.56%	0.380%
205	12.364	12.349	12.378	VV	84098	1438853	12.66%	0.246%
206	12.394	12.378	12.410	VV	91025	1553425	13.67%	0.265%
207	12.431	12.410	12.453	VV	82152	1904005	16.75%	0.325%
208	12.462	12.453	12.476	VV	72356	1009690	8.88%	0.172%
209	12.494	12.476	12.508	VV	98369	1622383	14.27%	0.277%
210	12.527	12.508	12.545	VV	107863	2011089	17.69%	0.343%
211	12.555	12.545	12.577	VV	87047	1424883	12.54%	0.243%
212	12.609	12.577	12.627	VV	82757	2016143	17.74%	0.344%
213	12.641	12.627	12.656	VV	71830	1157667	10.19%	0.198%
214	12.671	12.656	12.682	VV	77059	1108385	9.75%	0.189%
215	12.687	12.682	12.701	VV	71192	800755	7.05%	0.137%
216	12.713	12.701	12.720	VV	73009	762812	6.71%	0.130%
217	12.737	12.720	12.760	VV	92451	1840159	16.19%	0.314%
218	12.782	12.760	12.821	VV	132155	3297258	29.01%	0.563%
219	12.837	12.821	12.843	VV	59890	755987	6.65%	0.129%
220	12.861	12.843	12.871	VV	70882	1101489	9.69%	0.188%
221	12.893	12.871	12.912	VV	172253	2866090	25.22%	0.489%
222	12.929	12.912	12.945	VV	103655	1708459	15.03%	0.292%
223	12.956	12.945	12.986	VV	86104	1615170	14.21%	0.276%
224	13.005	12.986	13.021	VV	81333	1350909	11.89%	0.231%
225	13.029	13.021	13.054	VV	62172	1032744	9.09%	0.176%
226	13.064	13.054	13.076	VV	43608	565852	4.98%	0.097%
227	13.111	13.076	13.117	VV	48012	1082650	9.53%	0.185%
228	13.133	13.117	13.153	VV	57273	1079995	9.50%	0.184%
229	13.164	13.153	13.180	VV	40833	612484	5.39%	0.105%
230	13.198	13.180	13.217	VV	44892	922283	8.11%	0.157%
231	13.229	13.217	13.240	VV	39956	523751	4.61%	0.089%
232	13.258	13.240	13.279	VV	43408	943708	8.30%	0.161%
233	13.302	13.279	13.353	VV	56203	1728403	15.21%	0.295%
234	13.374	13.353	13.379	VV	41217	559975	4.93%	0.096%
235	13.396	13.379	13.425	VV	57700	1187441	10.45%	0.203%
236	13.446	13.425	13.467	VV	46683	1021563	8.99%	0.174%
237	13.478	13.467	13.501	VV	38553	736115	6.48%	0.126%
238	13.513	13.501	13.536	VV	32693	618975	5.45%	0.106%
239	13.547	13.536	13.556	VV	25428	299344	2.63%	0.051%
240	13.591	13.556	13.615	VV	46123	1286340	11.32%	0.220%
241	13.637	13.615	13.682	VV	54111	1334522	11.74%	0.228%
242	13.702	13.682	13.716	VV	36975	599129	5.27%	0.102%
243	13.734	13.716	13.756	VV	36464	699372	6.15%	0.119%
244	13.785	13.756	13.800	VV	26036	608578	5.35%	0.104%
245	13.809	13.800	13.838	VV	25144	525390	4.62%	0.090%
246	13.852	13.838	13.872	VV	23243	445158	3.92%	0.076%

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EX-1-TPH-5DL

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rteres

247	13.891	13.872	13.931	VV	24673	723903	6.37%	0.124%
248	13.934	13.931	13.978	VV	17381	434920	3	
249	14.003	13.978	14.023	VV	18017	436986	3	
250	14.040	14.023	14.056	VV	19574	347821	3	
251	14.064	14.056	14.070	VV	17103	134464	1	
252	14.085	14.070	14.116	VV	18366	456193	4	
253	14.123	14.116	14.143	VV	13672	208123	1.83%	0.036%
254	14.167	14.143	14.191	VV	20002	457274	4.02%	0.078%
255	14.210	14.191	14.231	VV	15288	309141	2.72%	0.053%
256	14.247	14.231	14.295	VV	11483	423696	3.73%	0.072%
257	14.299	14.295	14.327	VV	9652	170507	1.50%	0.029%
258	14.352	14.327	14.419	VV	10800	500828	4.41%	0.085%
259	14.458	14.419	14.476	VV	8946	275411	2.42%	0.047%
260	14.481	14.476	14.490	VV	7415	64773	0.57%	0.011%
261	14.511	14.490	14.535	VV	10975	226695	1.99%	0.039%
262	14.542	14.535	14.547	VV	6559	48863	0.43%	0.008%
263	14.554	14.547	14.563	VV	6666	61584	0.54%	0.011%
264	14.584	14.563	14.599	VV	7311	147501	1.30%	0.025%
265	14.610	14.599	14.656	VV	7523	223410	1.97%	0.038%
266	14.662	14.656	14.680	VV	5725	77233	0.68%	0.013%
267	14.681	14.680	14.688	VV	5254	26101	0.23%	0.004%
268	14.718	14.688	14.745	VV	7216	215510	1.90%	0.037%
269	14.752	14.745	14.786	VV	5639	123421	1.09%	0.021%
270	14.808	14.786	14.818	VV	5782	100984	0.89%	0.017%
271	14.833	14.818	14.856	VV	6382	127062	1.12%	0.022%
272	14.868	14.856	14.886	VV	5835	89117	0.78%	0.015%
273	14.899	14.886	14.940	VV	4463	127588	1.12%	0.022%
274	14.965	14.940	14.972	VV	3556	65629	0.58%	0.011%
275	14.992	14.972	15.014	VV	4369	98233	0.86%	0.017%
276	15.031	15.014	15.056	VV	3707	81095	0.71%	0.014%
277	15.063	15.056	15.086	VV	3145	51001	0.45%	0.009%
278	15.097	15.086	15.118	VV	2540	46636	0.41%	0.008%
279	15.123	15.118	15.129	VV	2342	14531	0.13%	0.002%
280	15.149	15.129	15.166	VV	2575	54572	0.48%	0.009%
281	15.181	15.166	15.200	VV	2765	49829	0.44%	0.009%
282	15.217	15.200	15.236	VV	2641	49352	0.43%	0.008%
283	15.255	15.236	15.283	VV	2717	65243	0.57%	0.011%
284	15.295	15.283	15.314	VV	2026	34701	0.31%	0.006%
285	15.334	15.314	15.355	VV	2509	52213	0.46%	0.009%
286	15.368	15.355	15.374	VV	2022	23194	0.20%	0.004%
287	15.382	15.374	15.412	VV	2167	43381	0.38%	0.007%
288	15.417	15.412	15.447	VV	1661	30312	0.27%	0.005%
289	15.489	15.447	15.523	VV	2148	66160	0.58%	0.011%
290	15.528	15.523	15.555	VV	1092	19566	0.17%	0.003%
291	15.558	15.555	15.576	VV	1066	12651	0.11%	0.002%
292	15.629	15.576	15.665	VV	2502	83407	0.73%	0.014%
293	15.676	15.665	15.683	VV	1284	13587	0.12%	0.002%
294	15.695	15.683	15.728	VV	1435	27805	0.24%	0.005%
295	15.733	15.728	15.746	VV	777	7999	0.07%	0.001%
296	15.774	15.746	15.832	VV	1673	53769	0.47%	0.009%
297	15.855	15.832	15.875	VV	1417	25161	0.22%	0.004%
298	15.891	15.875	15.912	VV	895	15267	0.13%	0.003%
299	15.917	15.912	15.928	VV	568	4671	0.04%	0.001%

Instrument :
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EX-1-TPH-5DL

Manual IntegrationsAPPROVED

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rteres

300	15.937	15.928	15.941	VV	531	3630	0.03%	0.001%
301	15.969	15.941	15.985	VV	852	17208		
302	15.998	15.985	16.034	VV	834	20401		
303	16.040	16.034	16.044	VV	479	2998		
304	16.049	16.044	16.064	VV	497	4960		
305	16.089	16.064	16.123	VV	559	16206		
306	16.139	16.123	16.146	VV	518	5918	0.05%	0.001%
307	16.151	16.146	16.165	VV	409	3922	0.03%	0.001%
308	16.180	16.165	16.200	VV	408	7100	0.06%	0.001%
309	16.231	16.200	16.245	VV	413	9242	0.08%	0.002%
310	16.275	16.245	16.312	VV	1065	20866	0.18%	0.004%
311	16.324	16.312	16.330	VV	352	2754	0.02%	0.000%
312	16.337	16.330	16.346	VV	339	2561	0.02%	0.000%
313	16.364	16.346	16.389	VV	369	4775	0.04%	0.001%
314	16.462	16.407	16.482	VV	498	12110	0.11%	0.002%
315	16.491	16.482	16.510	VV	358	4177	0.04%	0.001%
316	16.523	16.510	16.528	VV	256	2305	0.02%	0.000%
317	16.533	16.528	16.539	VV	179	1199	0.01%	0.000%
318	16.555	16.539	16.584	VV	345	6584	0.06%	0.001%
319	16.597	16.584	16.604	VV	333	2735	0.02%	0.000%
320	16.608	16.604	16.629	VV	298	3529	0.03%	0.001%
321	16.654	16.629	16.690	VV	487	9280	0.08%	0.002%
322	16.758	16.690	16.790	PV	831	19535	0.17%	0.003%
323	16.800	16.790	16.805	VV	213	1280	0.01%	0.000%
324	16.839	16.805	16.878	VV	994	16590	0.15%	0.003%
325	16.887	16.878	16.902	VV	234	2625	0.02%	0.000%
326	16.907	16.902	16.913	VV	228	1330	0.01%	0.000%
327	16.926	16.913	16.941	VV	205	2329	0.02%	0.000%
328	16.960	16.954	16.966	VV	188	1113	0.01%	0.000%
329	16.977	16.966	16.981	VV	197	1536	0.01%	0.000%
330	16.988	16.981	17.003	VV	255	2353	0.02%	0.000%
331	17.012	17.003	17.018	VV	182	1363	0.01%	0.000%
332	17.056	17.018	17.081	VV	461	9983	0.09%	0.002%
333	17.116	17.081	17.151	VV	547	10763	0.09%	0.002%
334	17.186	17.151	17.200	VV	424	7846	0.07%	0.001%
335	17.225	17.200	17.251	VV	1306	21179	0.19%	0.004%
336	17.276	17.251	17.313	VV	870	14670	0.13%	0.003%
337	17.333	17.313	17.338	VV	215	2265	0.02%	0.000%
338	17.343	17.338	17.361	VV	172	1924	0.02%	0.000%
339	17.469	17.444	17.499	VV	294	5928	0.05%	0.001%
340	17.508	17.499	17.518	VV	200	1810	0.02%	0.000%
341	17.553	17.518	17.561	VV	301	5503	0.05%	0.001%
342	17.570	17.561	17.575	VV	239	1845	0.02%	0.000%
343	17.584	17.575	17.593	VV	229	2191	0.02%	0.000%
344	17.613	17.593	17.624	VV	271	4180	0.04%	0.001%
345	17.645	17.624	17.655	VV	341	4755	0.04%	0.001%
346	17.677	17.655	17.713	VV	1217	18089	0.16%	0.003%
347	17.723	17.713	17.742	VV	160	2218	0.02%	0.000%
348	17.761	17.742	17.767	PV	202	1805	0.02%	0.000%
349	17.788	17.767	17.803	VV	320	4681	0.04%	0.001%
350	17.823	17.803	17.830	VV	155	2034	0.02%	0.000%
351	17.854	17.830	17.866	VV	298	4363	0.04%	0.001%

Instrument :
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EX-1-TPH-5DL

Manual IntegrationsAPPROVED

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rteres

352	17.872	17.866	17.885	VV	128	1192	0.01%	0.000%
353	17.896	17.885	17.925	VV	180	2884	0	
354	17.954	17.938	17.988	VV	212	2797	0	
355	18.010	17.988	18.015	PV	131	1296	0	
356	18.036	18.031	18.053	VV	160	1232	0	
357	18.114	18.053	18.140	VV	1982	30829	0	
358	18.205	18.140	18.224	VV	278	7480	0.07%	0.001%

Sum of corrected areas: 585786725

Aromatic EPH 102124.M Mon Nov 04 01:21:46 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-5DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-05DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FE050962.D	100	10/30/24	11/01/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	191		45.1	118	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	843		28.5	79.1	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	504		35.6	118	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	94.9	U	94.9	158	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	213	U	213	237	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:	P4599-05DL2	Acq On:	01 Nov 2024 11:24
Client Sample ID:	EX-1-TPH-5DL2	Operator:	YP\AJ
Data file:	FE050962.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	28656732	198.233		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-C12	3.143	6.761	3459602	24.21	300	ug/ml
Aliphatic C12-C16	6.762	10.193	15463437	106.557	200	ug/ml
Aliphatic C16-C21	10.194	13.552	9202030	63.725	300	ug/ml
Aliphatic C21-C28	13.553	17.208	531663	3.74	400	ug/ml
Aliphatic C28-C40	17.209	22.051	0	0	600	ug/ml
Aliphatic C9-C28	3.143	17.208	28656732	198.232	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
Data File : FE050962.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 11:24
Operator : YP\AJ
Sample : P4599-05DL2 100X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL2

Integration File: sample.E
Quant Time: Nov 04 03:09:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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.

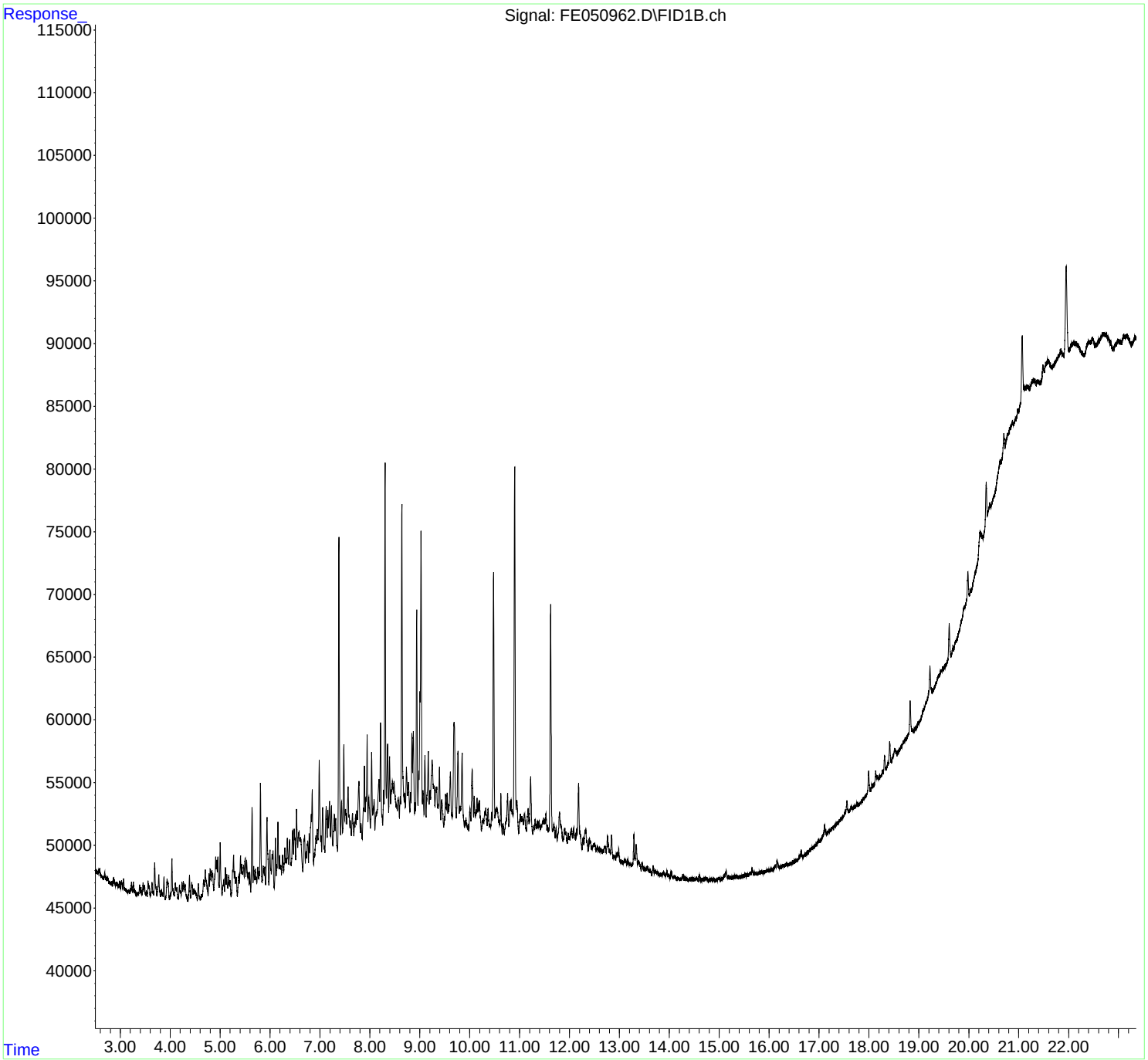
Quantitation Report (QT Reviewed)

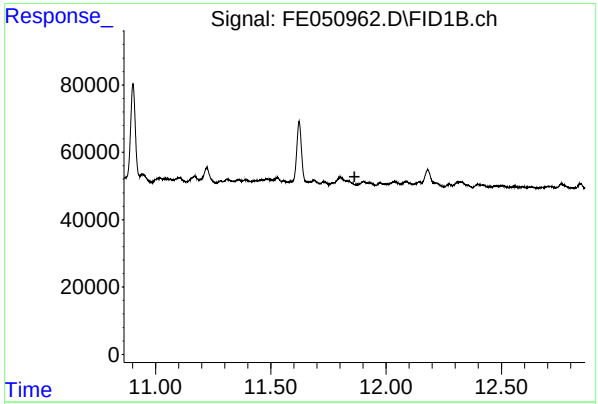
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
Data File : FE050962.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 11:24
Operator : YP\AJ
Sample : P4599-05DL2 100X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL2

Integration File: sample.E
Quant Time: Nov 04 03:09:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

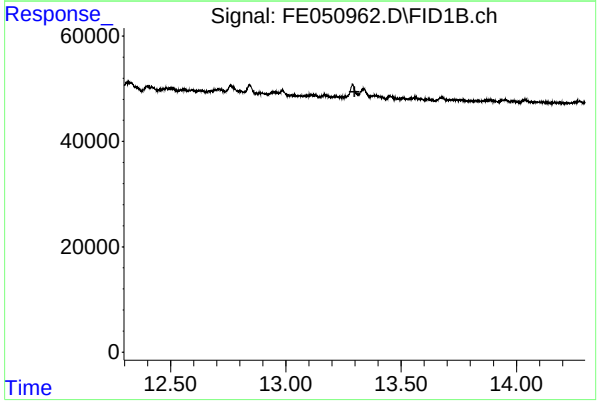




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-5DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.298 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
Data File : FE050962.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 11:24
Sample : P4599-05DL2 100X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.523	3.513	3.536	VV	318	2874	0.39%	0.010%
2	3.557	3.536	3.601	VV	1163	22346	3.02%	0.078%
3	3.688	3.671	3.733	VV	2736	42268	5.72%	0.147%
4	3.770	3.733	3.804	VV	1805	34020	4.60%	0.119%
5	3.826	3.804	3.855	VV	642	10921	1.48%	0.038%
6	3.874	3.855	3.904	VV	1725	17838	2.41%	0.062%
7	3.937	3.904	3.949	PV	1525	21458	2.90%	0.075%
8	3.956	3.949	3.986	VV	1303	15449	2.09%	0.054%
9	4.132	4.122	4.160	VV	885	11781	1.59%	0.041%
10	4.236	4.218	4.249	VV	1404	17764	2.40%	0.062%
11	4.298	4.279	4.347	VV	1208	25306	3.42%	0.088%
12	4.432	4.407	4.458	VV	1360	25042	3.39%	0.087%
13	4.474	4.458	4.515	VV	845	21649	2.93%	0.076%
14	4.523	4.515	4.541	VV	512	5219	0.71%	0.018%
15	4.563	4.541	4.604	VV	1212	17939	2.43%	0.063%
16	4.670	4.604	4.684	PV	1458	30345	4.10%	0.106%
17	4.702	4.684	4.757	VV	2380	58150	7.86%	0.203%
18	4.776	4.757	4.787	VV	2031	22583	3.05%	0.079%
19	4.802	4.787	4.820	VV	2346	37043	5.01%	0.129%
20	4.835	4.820	4.871	VV	2253	52148	7.05%	0.182%
21	4.911	4.871	4.922	VV	3326	60729	8.21%	0.212%
22	4.931	4.922	4.943	VV	3083	33703	4.56%	0.118%
23	4.954	4.943	4.981	VV	3358	47328	6.40%	0.165%
24	5.002	4.981	5.041	VV	4448	69033	9.34%	0.241%
25	5.071	5.041	5.088	VV	1480	28155	3.81%	0.098%
26	5.107	5.088	5.122	VV	2485	32632	4.41%	0.114%
27	5.134	5.122	5.158	VV	1923	28255	3.82%	0.099%
28	5.173	5.158	5.188	VV	1862	24796	3.35%	0.087%
29	5.196	5.188	5.220	VV	1321	16320	2.21%	0.057%
30	5.269	5.220	5.307	VV	3403	93950	12.71%	0.328%
31	5.323	5.307	5.348	VV	1628	27321	3.69%	0.095%
32	5.376	5.348	5.388	VV	1880	30377	4.11%	0.106%
33	5.409	5.388	5.423	VV	3346	49628	6.71%	0.173%
34	5.432	5.423	5.453	VV	2719	40562	5.49%	0.142%
35	5.470	5.453	5.482	VV	2559	38158	5.16%	0.133%
36	5.502	5.482	5.518	VV	3117	54988	7.44%	0.192%

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37	5.531	5.518	5.555	VV	2968	50502	6.83%	0.176%
38	5.567	5.555	5.582	VV	1957	27234	3.68%	0.095%
39	5.595	5.582	5.613	VV	2027	26521	3.59%	0.093%
40	5.641	5.613	5.660	VV	7213	93565	12.65%	0.327%
41	5.674	5.660	5.689	VV	2454	32976	4.46%	0.115%
42	5.705	5.689	5.734	VV	2248	44683	6.04%	0.156%
43	5.755	5.734	5.770	VV	2394	39033	5.28%	0.136%
44	5.781	5.770	5.788	VV	2048	19772	2.67%	0.069%
45	5.809	5.788	5.842	VV	9107	133122	18.00%	0.465%
46	5.861	5.842	5.884	VV	2471	51700	6.99%	0.180%
47	5.893	5.884	5.910	VV	2419	28516	3.86%	0.100%
48	5.939	5.910	5.976	VV	6341	128224	17.34%	0.447%
49	5.998	5.976	6.025	VV	3679	70500	9.53%	0.246%
50	6.059	6.025	6.083	VV	3628	90090	12.18%	0.314%
51	6.109	6.083	6.125	VV	4599	63121	8.54%	0.220%
52	6.159	6.125	6.179	VV	5939	109568	14.82%	0.382%
53	6.191	6.179	6.231	VV	3235	79162	10.71%	0.276%
54	6.251	6.231	6.272	VV	3278	62225	8.41%	0.217%
55	6.297	6.272	6.312	VV	3893	72125	9.75%	0.252%
56	6.346	6.312	6.370	VV	4541	116026	15.69%	0.405%
57	6.391	6.370	6.424	VV	4435	108946	14.73%	0.380%
58	6.453	6.424	6.470	VV	5221	107491	14.54%	0.375%
59	6.485	6.470	6.513	VV	5317	110601	14.96%	0.386%
60	6.532	6.513	6.556	VV	6850	128480	17.37%	0.448%
61	6.580	6.556	6.594	VV	5167	110512	14.95%	0.386%
62	6.608	6.594	6.657	VV	4625	137564	18.60%	0.480%
63	6.692	6.657	6.709	VV	4820	116235	15.72%	0.406%
64	6.721	6.709	6.730	VV	3528	41322	5.59%	0.144%
65	6.756	6.730	6.771	VV	4335	91708	12.40%	0.320%
66	6.785	6.771	6.796	VV	4904	58660	7.93%	0.205%
67	6.845	6.796	6.873	VV	8370	247816	33.51%	0.865%
68	6.920	6.873	6.930	VV	4754	127100	17.19%	0.444%
69	6.945	6.930	6.960	VV	5270	85693	11.59%	0.299%
70	6.986	6.960	7.036	VV	10756	276890	37.45%	0.966%
71	7.054	7.036	7.098	VV	6909	182763	24.72%	0.638%
72	7.126	7.098	7.144	VV	7010	153271	20.73%	0.535%
73	7.159	7.144	7.170	VV	6657	90559	12.25%	0.316%
74	7.190	7.170	7.210	VV	7445	145389	19.66%	0.507%
75	7.230	7.210	7.259	VV	7083	160463	21.70%	0.560%
76	7.288	7.259	7.301	VV	6358	135804	18.37%	0.474%
77	7.315	7.301	7.352	VV	6018	147653	19.97%	0.515%
78	7.380	7.352	7.415	VV	28410	448247	60.62%	1.564%
79	7.434	7.415	7.455	VV	7385	147328	19.92%	0.514%
80	7.479	7.455	7.498	VV	11928	204341	27.63%	0.713%
81	7.511	7.498	7.536	VV	6734	145802	19.72%	0.509%
82	7.564	7.536	7.599	VV	8520	256659	34.71%	0.896%
83	7.610	7.599	7.630	VV	5812	98306	13.29%	0.343%
84	7.652	7.630	7.679	VV	6428	166754	22.55%	0.582%
85	7.714	7.679	7.728	VV	6299	162245	21.94%	0.566%
86	7.739	7.728	7.752	VV	6577	89517	12.11%	0.312%
87	7.780	7.752	7.811	VV	8873	252664	34.17%	0.882%
88	7.824	7.811	7.844	VV	5578	100589	13.60%	0.351%
89	7.892	7.844	7.909	VV	10121	268463	36.31%	0.937%

90	7.946	7.909	7.963	VV	12551	276910	37.45%	0.966%
91	7.979	7.963	8.012	VV	7665	192937	26.09%	0.673%
92	8.037	8.012	8.057	VV	11221	211702	28.63%	0.739%
93	8.085	8.057	8.103	VV	7445	181844	24.59%	0.635%
94	8.183	8.103	8.197	VV	9035	401306	54.27%	1.400%
95	8.215	8.197	8.258	VV	13565	310012	41.92%	1.082%
96	8.305	8.258	8.332	VV	34107	585413	79.17%	2.043%
97	8.356	8.332	8.378	VV	11800	254989	34.48%	0.890%
98	8.396	8.378	8.417	VV	10855	204436	27.65%	0.713%
99	8.451	8.417	8.470	VV	8814	262377	35.48%	0.916%
100	8.485	8.470	8.550	VV	8815	361016	48.82%	1.260%
101	8.567	8.550	8.594	VV	7467	186604	25.24%	0.651%
102	8.609	8.594	8.617	VV	7609	94180	12.74%	0.329%
103	8.641	8.617	8.688	VV	30876	579181	78.33%	2.021%
104	8.697	8.688	8.712	VV	7783	108230	14.64%	0.378%
105	8.735	8.712	8.755	VV	9904	219292	29.66%	0.765%
106	8.774	8.755	8.801	VV	8662	215247	29.11%	0.751%
107	8.844	8.801	8.856	VV	12497	290760	39.32%	1.015%
108	8.872	8.856	8.898	VV	12605	252401	34.13%	0.881%
109	8.909	8.898	8.917	VV	6974	76824	10.39%	0.268%
110	8.939	8.917	8.963	VV	22401	354957	48.00%	1.239%
111	9.026	8.963	9.053	VV	28492	739456	100.00%	2.580%
112	9.066	9.053	9.084	VV	7966	137799	18.64%	0.481%
113	9.104	9.084	9.127	VV	10798	211793	28.64%	0.739%
114	9.171	9.127	9.190	VV	11159	317280	42.91%	1.107%
115	9.205	9.190	9.218	VV	8000	125486	16.97%	0.438%
116	9.248	9.218	9.305	VV	10461	458974	62.07%	1.602%
117	9.323	9.305	9.330	VV	8269	115052	15.56%	0.401%
118	9.339	9.330	9.364	VV	8243	152737	20.66%	0.533%
119	9.395	9.364	9.421	VV	9841	258516	34.96%	0.902%
120	9.441	9.421	9.480	VV	7133	220981	29.88%	0.771%
121	9.517	9.480	9.533	VV	7630	202642	27.40%	0.707%
122	9.548	9.533	9.564	VV	7739	129098	17.46%	0.450%
123	9.574	9.564	9.584	VV	6735	78622	10.63%	0.274%
124	9.614	9.584	9.645	VV	9477	276871	37.44%	0.966%
125	9.688	9.645	9.732	VV	13207	463309	62.66%	1.617%
126	9.766	9.732	9.794	VV	10964	304972	41.24%	1.064%
127	9.806	9.794	9.818	VV	6676	90571	12.25%	0.316%
128	9.848	9.818	9.893	VV	10809	329916	44.62%	1.151%
129	9.904	9.893	9.912	VV	5408	61589	8.33%	0.215%
130	9.927	9.912	9.951	VV	5679	124593	16.85%	0.435%
131	9.971	9.951	9.983	VV	5210	94940	12.84%	0.331%
132	10.006	9.983	10.023	VV	6435	139460	18.86%	0.487%
133	10.049	10.023	10.079	VV	9539	251205	33.97%	0.877%
134	10.093	10.079	10.112	VV	7393	130886	17.70%	0.457%
135	10.149	10.112	10.162	VV	7172	191941	25.96%	0.670%
136	10.173	10.162	10.182	VV	6691	81154	10.97%	0.283%
137	10.194	10.182	10.238	VV	7053	197826	26.75%	0.690%
138	10.270	10.238	10.282	VV	5638	138700	18.76%	0.484%
139	10.322	10.282	10.349	VV	6397	236625	32.00%	0.826%
140	10.370	10.349	10.398	VV	6431	163820	22.15%	0.572%
141	10.403	10.398	10.419	VV	5146	65053	8.80%	0.227%

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142	10.441	10.419	10.450	VV	6041	101991	13.79%	0.356%
143	10.479	10.450	10.508	VV	25237	460179	62.23%	1.606%
144	10.538	10.508	10.598	VV	6441	322483	43.61%	1.125%
145	10.626	10.598	10.651	VV	7498	184046	24.89%	0.642%
146	10.669	10.651	10.693	VV	5123	121573	16.44%	0.424%
147	10.760	10.693	10.787	VV	7538	317963	43.00%	1.110%
148	10.809	10.787	10.818	VV	6897	113432	15.34%	0.396%
149	10.830	10.818	10.868	VV	7042	189132	25.58%	0.660%
150	10.902	10.868	10.932	VV	33539	608915	82.35%	2.125%
151	10.944	10.932	10.983	VV	6896	178339	24.12%	0.622%
152	11.018	10.983	11.034	VV	5824	164361	22.23%	0.574%
153	11.044	11.034	11.076	VV	5572	135750	18.36%	0.474%
154	11.102	11.076	11.137	VV	5875	192280	26.00%	0.671%
155	11.169	11.137	11.191	VV	6252	180006	24.34%	0.628%
156	11.222	11.191	11.264	VV	8793	271942	36.78%	0.949%
157	11.311	11.264	11.344	VV	5414	232938	31.50%	0.813%
158	11.360	11.344	11.375	VV	5242	91609	12.39%	0.320%
159	11.391	11.375	11.418	VV	5118	127293	17.21%	0.444%
160	11.434	11.418	11.444	VV	4949	76476	10.34%	0.267%
161	11.482	11.444	11.511	VV	5426	208705	28.22%	0.728%
162	11.528	11.511	11.547	VV	5813	116056	15.69%	0.405%
163	11.557	11.547	11.571	VV	4927	67263	9.10%	0.235%
164	11.623	11.571	11.658	VV	22349	483211	65.35%	1.686%
165	11.687	11.658	11.713	VV	5017	149376	20.20%	0.521%
166	11.729	11.713	11.752	VV	4611	101200	13.69%	0.353%
167	11.802	11.752	11.868	VV	5825	322421	43.60%	1.125%
168	11.903	11.868	11.958	VV	4606	217717	29.44%	0.760%
169	11.974	11.958	12.007	VV	4186	116124	15.70%	0.405%
170	12.037	12.007	12.063	VV	4539	139276	18.83%	0.486%
171	12.087	12.063	12.121	VV	4601	143057	19.35%	0.499%
172	12.144	12.121	12.154	VV	4524	81919	11.08%	0.286%
173	12.181	12.154	12.251	VV	8110	286091	38.69%	0.998%
174	12.273	12.251	12.287	VV	3758	74491	10.07%	0.260%
175	12.322	12.287	12.374	VV	4366	197532	26.71%	0.689%
176	12.400	12.374	12.445	VV	3763	139998	18.93%	0.489%
177	12.456	12.445	12.460	VV	3021	26449	3.58%	0.092%
178	12.481	12.460	12.532	VV	3314	136280	18.43%	0.476%
179	12.555	12.532	12.574	VV	3102	73808	9.98%	0.258%
180	12.594	12.574	12.608	VV	2911	56564	7.65%	0.197%
181	12.627	12.608	12.654	VV	2809	76690	10.37%	0.268%
182	12.709	12.654	12.736	VV	3026	137951	18.66%	0.481%
183	12.761	12.736	12.821	VV	3766	152120	20.57%	0.531%
184	12.842	12.821	12.874	VV	3909	94087	12.72%	0.328%
185	12.884	12.874	12.921	VV	2357	62704	8.48%	0.219%
186	12.953	12.921	12.970	VV	2506	67451	9.12%	0.235%
187	12.985	12.970	13.048	VV	2809	98641	13.34%	0.344%
188	13.122	13.048	13.148	VV	1876	105450	14.26%	0.368%
189	13.166	13.148	13.198	VV	1925	51013	6.90%	0.178%
190	13.213	13.198	13.241	VV	1659	39630	5.36%	0.138%
191	13.290	13.241	13.313	VV	3950	97381	13.17%	0.340%
192	13.336	13.313	13.367	VV	3007	76256	10.31%	0.266%
193	13.385	13.367	13.434	VV	1775	61605	8.33%	0.215%
194	13.452	13.434	13.491	VV	1593	45243	6.12%	0.158%

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195	13.509	13.491	13.527	VV	1196	25538	3.45%	0.089%
196	13.561	13.527	13.602	VV	1293	50879	6.88%	0.178%
197	13.616	13.602	13.645	VV	1069	23867	3.23%	0.083%
198	13.677	13.645	13.699	VV	1352	33820	4.57%	0.118%
199	13.718	13.699	13.758	VV	977	31069	4.20%	0.108%
200	13.764	13.758	13.814	VV	860	24632	3.33%	0.086%
201	13.825	13.814	13.851	VV	704	14532	1.97%	0.051%
202	13.887	13.851	13.917	VV	849	28345	3.83%	0.099%
203	13.950	13.917	13.974	VV	897	23433	3.17%	0.082%
204	13.981	13.974	14.014	VV	598	12699	1.72%	0.044%
205	14.036	14.014	14.091	VV	856	25130	3.40%	0.088%
206	14.101	14.091	14.139	VV	443	10557	1.43%	0.037%
207	14.165	14.139	14.233	VV	374	15232	2.06%	0.053%
208	14.274	14.233	14.305	VV	573	14555	1.97%	0.051%
209	14.317	14.305	14.387	VV	287	10892	1.47%	0.038%
210	14.408	14.387	14.428	VV	256	4926	0.67%	0.017%
211	14.439	14.428	14.488	VV	217	6578	0.89%	0.023%
212	14.546	14.488	14.584	VV	292	10587	1.43%	0.037%
213	14.599	14.584	14.631	VV	502	8055	1.09%	0.028%
214	14.642	14.631	14.651	VV	169	1351	0.18%	0.005%
215	14.661	14.651	14.688	VV	137	3085	0.42%	0.011%
216	14.723	14.688	14.796	VV	213	9143	1.24%	0.032%
217	14.840	14.796	14.861	VV	176	3359	0.45%	0.012%
218	14.888	14.861	14.927	VV	178	3754	0.51%	0.013%
219	14.954	14.927	14.968	PV	111	1769	0.24%	0.006%
220	14.983	14.968	15.012	VV	248	3926	0.53%	0.014%
221	15.096	15.012	15.106	PV	353	8079	1.09%	0.028%
222	15.139	15.106	15.232	VV	691	19101	2.58%	0.067%
223	15.291	15.232	15.304	VV	135	3107	0.42%	0.011%
224	15.337	15.304	15.438	VV	162	5811	0.79%	0.020%
225	15.479	15.438	15.498	PV	79	1959	0.26%	0.007%
226	15.617	15.498	15.632	VV	197	7779	1.05%	0.027%
227	15.660	15.632	15.741	VV	506	11280	1.53%	0.039%
228	16.041	15.741	16.061	PV	74	7092	0.96%	0.025%
229	16.159	16.061	16.231	PV	575	18319	2.48%	0.064%
230	16.286	16.231	16.307	VV	145	3926	0.53%	0.014%
231	16.352	16.307	16.388	PV	160	3289	0.44%	0.011%
232	16.642	16.388	16.681	PV	575	12597	1.70%	0.044%
233	16.994	16.681	17.010	PV	648	53149	7.19%	0.185%

Sum of corrected areas: 28656733

Aliphatic EPH 100824.M Mon Nov 04 04:51:41 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-5DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-05DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FG014609.D	25	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	85.4		8.90	19.8	mg/kg
Aromatic C12-C16	Aromatic C12-C16	563		10.1	29.7	mg/kg
Aromatic C16-C21	Aromatic C16-C21	903		28.5	49.4	mg/kg
Aromatic C21-C36	Aromatic C21-C36	59.3	U	59.3	79.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	5.18		40 - 140	259%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	5.18		40 - 140	259%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.88		40 - 140	94%	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:	P4599-05DL2	Acq On:	31 Oct 2024 14:13
Client Sample ID:	EX-1-TPH-5DL2	Operator:	YP\AJ
Data file:	FG014609.D	Misc:	
Instrument:	FID_G	ALS Vial:	43
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	6020171	43.157	200	ug/ml
Aromatic C12-C16	6.386	9.086	41415042	284.732	300	ug/ml
Aromatic C16-C21	9.087	13.404	66128396	456.602	500	ug/ml
Aromatic C21-C36	13.405	18.847	1291302	9.085	800	ug/ml
Aromatic EPH	4.516	18.847	114854911	793.575		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	650672	5.18		ug/ml
2-Flurobiphenyl (SURR)	8.883	8.883	446502	5.18		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	278486	1.88		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014609.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 14:13
Operator : YP\AJ
Sample : P4599-05DL2 25X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:26:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	650672	5.183 ug/mlm
Spiked Amount 50.000		Recovery =	10.37%
6) S 2-Flurobiphenyl (SURR)	8.883	446502	5.184 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	10.37%
11) S ortho-Terphenyl (SURR)	11.954	278486	1.881 ug/mlm
Spiked Amount 50.000		Recovery =	3.76%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014609.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 14:13
Operator : YP\AJ
Sample : P4599-05DL2 25X
Misc :
ALS Vial : 43 Sample Multiplier: 1

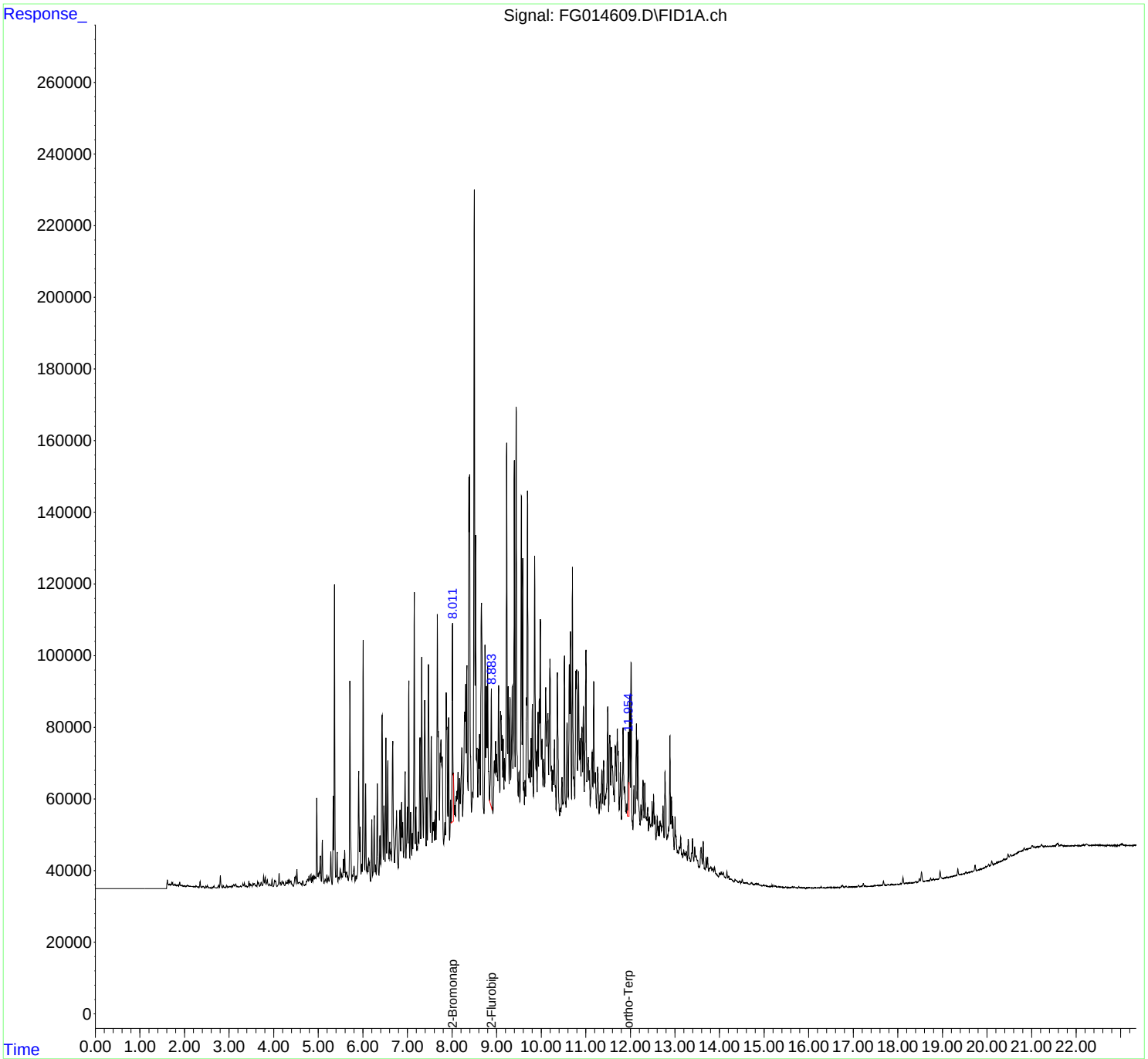
Integration File: autoint1.e
Quant Time: Nov 01 01:26:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

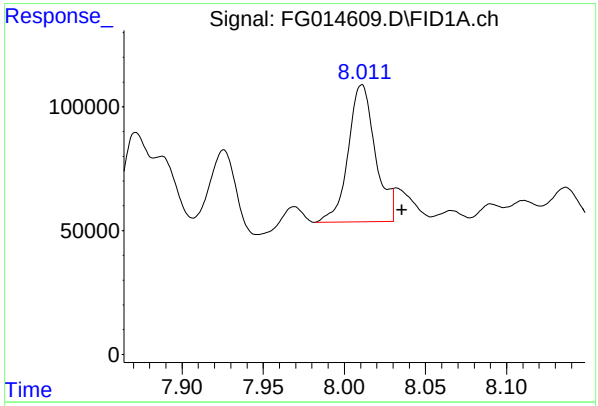
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024





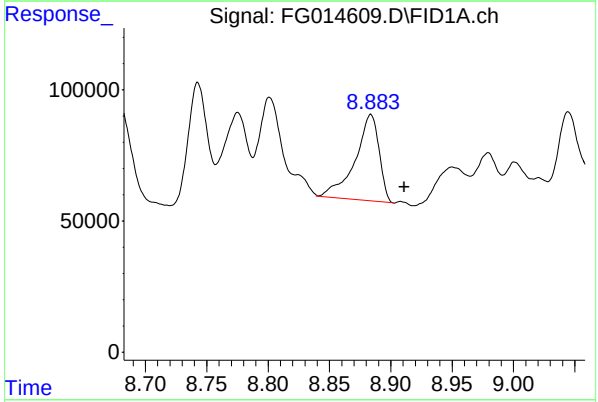
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.025 min
Response: 650672
Conc: 5.18 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

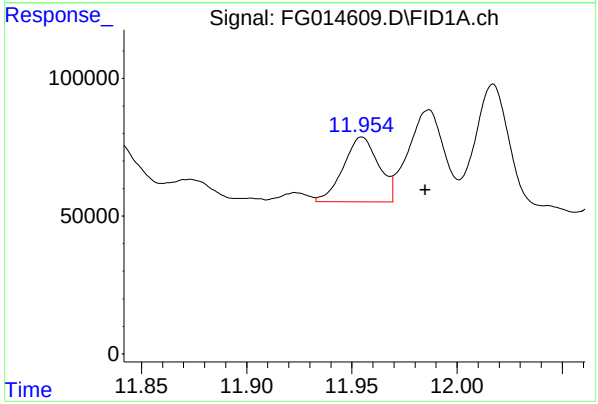
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.883 min
Delta R.T.: -0.028 min
Response: 446502
Conc: 5.18 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.030 min
Response: 278486
Conc: 1.88 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014609.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 14:13
Sample : P4599-05DL2 25X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.274	4.250	4.287	BV	1184	14107	0.54%	0.012%
2	4.295	4.287	4.307	VV	858	9305	0.35%	0.008%
3	4.323	4.307	4.337	VV	1667	20544	0.78%	0.018%
4	4.352	4.337	4.366	VV	1746	22630	0.86%	0.020%
5	4.388	4.366	4.409	VV	1432	26996	1.03%	0.023%
6	4.413	4.409	4.435	VV	505	4432	0.17%	0.004%
7	4.487	4.435	4.504	PV	2499	51955	1.98%	0.045%
8	4.521	4.504	4.547	VV	4667	58701	2.24%	0.051%
9	4.564	4.547	4.570	VV	959	11734	0.45%	0.010%
10	4.583	4.570	4.604	VV	1004	16681	0.64%	0.014%
11	4.615	4.604	4.632	VV	723	8022	0.31%	0.007%
12	4.653	4.632	4.681	VV	1409	20652	0.79%	0.018%
13	4.736	4.696	4.743	VV	1195	15852	0.60%	0.014%
14	4.759	4.743	4.777	VV	1731	29609	1.13%	0.026%
15	4.793	4.777	4.812	VV	2606	39382	1.50%	0.034%
16	4.836	4.812	4.850	VV	3095	42541	1.62%	0.037%
17	4.864	4.850	4.876	VV	2368	25955	0.99%	0.022%
18	4.891	4.876	4.909	VV	2662	39783	1.52%	0.034%
19	4.923	4.909	4.933	VV	2387	30496	1.16%	0.026%
20	4.942	4.933	4.948	VV	2207	18492	0.70%	0.016%
21	4.967	4.948	4.989	VV	24312	258970	9.86%	0.223%
22	4.999	4.989	5.010	VV	3099	35195	1.34%	0.030%
23	5.023	5.010	5.030	VV	3609	38107	1.45%	0.033%
24	5.046	5.030	5.070	VV	8109	101608	3.87%	0.088%
25	5.091	5.070	5.130	VV	12517	149565	5.70%	0.129%
26	5.158	5.130	5.177	VV	1583	30138	1.15%	0.026%
27	5.194	5.177	5.213	VV	2691	34517	1.31%	0.030%
28	5.226	5.213	5.241	VV	1805	22292	0.85%	0.019%
29	5.283	5.241	5.311	VV	9174	123293	4.70%	0.106%
30	5.337	5.311	5.349	PV	24658	238347	9.08%	0.205%
31	5.365	5.349	5.394	VV	83709	850613	32.40%	0.733%
32	5.424	5.394	5.441	VV	8893	110398	4.20%	0.095%
33	5.461	5.441	5.475	VV	1917	29621	1.13%	0.026%
34	5.494	5.475	5.512	VV	4139	63715	2.43%	0.055%
35	5.523	5.512	5.543	VV	2705	40031	1.52%	0.035%
36	5.566	5.543	5.579	VV	6857	87491	3.33%	0.075%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

37	5.594	5.579	5.611	VV	9274	108290	4.12%	0.093%
38	5.622	5.611	5.627	VV	2814	22701	0	
39	5.637	5.627	5.653	VV	3122	40913	1	
40	5.658	5.653	5.673	VV	1893	17381	0	
41	5.711	5.673	5.753	VV	56374	691549	26	
42	5.767	5.753	5.776	VV	2164	23950	0	
43	5.804	5.776	5.827	VV	4643	83152	3.17%	0.072%
44	5.847	5.827	5.860	VV	1870	25741	0.98%	0.022%
45	5.907	5.860	5.930	VV	31031	467330	17.80%	0.403%
46	5.941	5.930	5.960	VV	15539	166531	6.34%	0.144%
47	5.975	5.960	5.987	VV	5125	61852	2.36%	0.053%
48	6.008	5.987	6.044	VV	67617	811346	30.90%	0.699%
49	6.064	6.044	6.095	VV	27339	317612	12.10%	0.274%
50	6.108	6.095	6.118	VV	4257	46502	1.77%	0.040%
51	6.132	6.118	6.143	VV	6685	73441	2.80%	0.063%
52	6.150	6.143	6.175	VV	5281	50850	1.94%	0.044%
53	6.285	6.274	6.301	PV	2344	17728	0.68%	0.015%
54	6.325	6.301	6.362	PV	25473	297548	11.33%	0.256%
55	6.384	6.362	6.402	PV	11062	123953	4.72%	0.107%
56	6.432	6.402	6.460	VV	44689	749539	28.55%	0.646%
57	6.475	6.460	6.499	VV	19402	252822	9.63%	0.218%
58	6.518	6.499	6.534	VV	38435	398994	15.20%	0.344%
59	6.560	6.534	6.588	VV	32053	474134	18.06%	0.409%
60	6.604	6.588	6.616	VV	9241	114508	4.36%	0.099%
61	6.624	6.616	6.637	VV	6695	74416	2.83%	0.064%
62	6.671	6.637	6.711	VV	37398	704598	26.83%	0.607%
63	6.758	6.711	6.797	VV	18077	427525	16.28%	0.368%
64	6.834	6.797	6.850	VV	18171	335251	12.77%	0.289%
65	6.871	6.850	6.885	VV	20399	301053	11.47%	0.259%
66	6.895	6.885	6.914	VV	14766	183597	6.99%	0.158%
67	6.948	6.914	6.968	VV	28891	434177	16.54%	0.374%
68	7.000	6.968	7.014	VV	18986	325570	12.40%	0.281%
69	7.032	7.014	7.053	VV	54171	593330	22.60%	0.511%
70	7.073	7.053	7.097	VV	17588	286801	10.92%	0.247%
71	7.111	7.097	7.122	VV	11689	130577	4.97%	0.113%
72	7.155	7.122	7.175	VV	79123	996333	37.95%	0.859%
73	7.191	7.175	7.211	VV	18969	274624	10.46%	0.237%
74	7.220	7.211	7.227	VV	7641	68456	2.61%	0.059%
75	7.242	7.227	7.259	VV	12037	187745	7.15%	0.162%
76	7.281	7.259	7.301	VV	38198	563476	21.46%	0.486%
77	7.321	7.301	7.360	VV	60750	1023510	38.98%	0.882%
78	7.390	7.360	7.421	VV	48764	1037017	39.49%	0.894%
79	7.436	7.421	7.450	VV	21577	263922	10.05%	0.227%
80	7.472	7.450	7.516	VV	58715	1186342	45.18%	1.023%
81	7.536	7.516	7.555	VV	38620	543505	20.70%	0.468%
82	7.576	7.555	7.587	VV	14696	237704	9.05%	0.205%
83	7.598	7.587	7.611	VV	14649	181099	6.90%	0.156%
84	7.628	7.611	7.643	VV	17805	262530	10.00%	0.226%
85	7.673	7.643	7.687	VV	72739	982284	37.41%	0.847%
86	7.694	7.687	7.720	VV	40021	603672	22.99%	0.520%
87	7.736	7.720	7.743	VV	34059	368966	14.05%	0.318%
88	7.753	7.743	7.772	VV	37637	591883	22.54%	0.510%
89	7.782	7.772	7.814	VV	32885	525042	20.00%	0.453%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

rteres

Manual IntegrationsAPPROVED

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90	7.842	7.814	7.853	VV	14628	267953	10.20%	0.231%
91	7.872	7.853	7.907	VV	50755	1073541	40	
92	7.926	7.907	7.947	VV	43835	622844	23	
93	7.969	7.947	7.982	VV	20824	321828	12	
94	8.011	7.982	8.027	VV	70065	1015537	38	
95	8.032	8.027	8.054	VV	28382	378641	14	
96	8.066	8.054	8.078	VV	19275	253748	9.66%	0.219%
97	8.091	8.078	8.099	VV	21929	253289	9.65%	0.218%
98	8.111	8.099	8.121	VV	23303	295700	11.26%	0.255%
99	8.136	8.121	8.155	VV	28669	466279	17.76%	0.402%
100	8.171	8.155	8.187	VV	26901	430298	16.39%	0.371%
101	8.221	8.187	8.241	VV	35344	833626	31.75%	0.719%
102	8.288	8.241	8.297	VV	45363	1100741	41.92%	0.949%
103	8.308	8.297	8.321	VV	53130	632334	24.08%	0.545%
104	8.333	8.321	8.360	VV	58372	902665	34.38%	0.778%
105	8.380	8.360	8.387	VV	110734	1186754	45.20%	1.023%
106	8.395	8.387	8.437	VV	111677	1644136	62.62%	1.417%
107	8.463	8.437	8.471	VV	23044	417582	15.90%	0.360%
108	8.501	8.471	8.518	VV	191129	2625725	100.00%	2.263%
109	8.529	8.518	8.549	VV	94684	1180946	44.98%	1.018%
110	8.561	8.549	8.581	VV	35194	586747	22.35%	0.506%
111	8.595	8.581	8.604	VV	34986	397907	15.15%	0.343%
112	8.617	8.604	8.635	VV	39108	609128	23.20%	0.525%
113	8.661	8.635	8.720	VV	75803	2212127	84.25%	1.907%
114	8.743	8.720	8.758	VV	64073	901586	34.34%	0.777%
115	8.775	8.758	8.788	VV	52496	778751	29.66%	0.671%
116	8.801	8.788	8.842	VV	58335	1192878	45.43%	1.028%
117	8.884	8.842	8.919	VV	51809	1322745	50.38%	1.140%
118	8.950	8.919	8.965	VV	31602	706106	26.89%	0.609%
119	8.979	8.965	8.991	VV	37057	520936	19.84%	0.449%
120	9.001	8.991	9.017	VV	33564	465887	17.74%	0.402%
121	9.020	9.017	9.029	VV	27582	188484	7.18%	0.162%
122	9.045	9.029	9.072	VV	52582	958128	36.49%	0.826%
123	9.090	9.072	9.097	VV	45485	546367	20.81%	0.471%
124	9.102	9.097	9.116	VV	44420	464402	17.69%	0.400%
125	9.125	9.116	9.139	VV	38752	470601	17.92%	0.406%
126	9.151	9.139	9.165	VV	37653	494696	18.84%	0.426%
127	9.179	9.165	9.192	VV	32281	457456	17.42%	0.394%
128	9.227	9.192	9.248	VV	120228	2045776	77.91%	1.763%
129	9.262	9.248	9.284	VV	52331	859489	32.73%	0.741%
130	9.301	9.284	9.319	VV	49341	761309	28.99%	0.656%
131	9.352	9.319	9.367	VV	52439	1087284	41.41%	0.937%
132	9.398	9.367	9.416	VV	115433	1725714	65.72%	1.487%
133	9.439	9.416	9.487	VV	130234	2263280	86.20%	1.951%
134	9.503	9.487	9.522	VV	28464	528203	20.12%	0.455%
135	9.556	9.522	9.572	VV	105688	1557582	59.32%	1.343%
136	9.587	9.572	9.605	VV	88109	1079260	41.10%	0.930%
137	9.611	9.605	9.625	VV	25629	280673	10.69%	0.242%
138	9.640	9.625	9.653	VV	26128	388776	14.81%	0.335%
139	9.693	9.653	9.715	VV	106872	2009395	76.53%	1.732%
140	9.720	9.715	9.727	VV	27998	195507	7.45%	0.169%
141	9.741	9.727	9.756	VV	31737	506647	19.30%	0.437%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

142	9.776	9.756	9.788	VV	37946	600702	22.88%	0.518%
143	9.802	9.788	9.824	VV	47334	722004	27	
144	9.856	9.824	9.884	VV	88702	1654286	63	
145	9.896	9.884	9.911	VV	34100	483883	18	
146	9.928	9.911	9.942	VV	45145	650801	24	
147	9.958	9.942	9.967	VV	48842	646531	24	
148	9.982	9.967	10.004	VV	71030	1103194	42.01%	0.951%
149	10.019	10.004	10.042	VV	37640	724974	27.61%	0.625%
150	10.057	10.042	10.079	VV	32068	626941	23.88%	0.540%
151	10.102	10.079	10.125	VV	51994	1111131	42.32%	0.958%
152	10.198	10.169	10.220	VV	59793	1351780	51.48%	1.165%
153	10.227	10.220	10.246	VV	29996	433417	16.51%	0.374%
154	10.298	10.275	10.336	VV	37237	1001562	38.14%	0.863%
155	10.363	10.336	10.414	VV	56006	1450773	55.25%	1.250%
156	10.428	10.414	10.444	VV	18150	315110	12.00%	0.272%
157	10.467	10.444	10.485	VV	26842	540847	20.60%	0.466%
158	10.522	10.485	10.557	VV	60787	1258457	47.93%	1.085%
159	10.632	10.606	10.643	VV	58372	904397	34.44%	0.780%
160	10.658	10.643	10.682	VV	67547	1077005	41.02%	0.928%
161	10.702	10.682	10.727	VV	85442	1316959	50.16%	1.135%
162	10.732	10.727	10.752	VV	27038	369068	14.06%	0.318%
163	10.797	10.786	10.818	VV	56930	875000	33.32%	0.754%
164	10.841	10.818	10.864	VV	56406	1114862	42.46%	0.961%
165	10.878	10.864	10.892	VV	37709	578663	22.04%	0.499%
166	10.913	10.892	10.930	VV	40810	787126	29.98%	0.678%
167	10.948	10.930	10.966	VV	46460	763319	29.07%	0.658%
168	11.005	10.966	11.027	VV	62287	1463000	55.72%	1.261%
169	11.055	11.027	11.074	VV	32393	829149	31.58%	0.715%
170	11.083	11.074	11.100	VV	28652	385606	14.69%	0.332%
171	11.144	11.100	11.160	VV	33824	963715	36.70%	0.831%
172	11.180	11.160	11.202	VV	53436	901101	34.32%	0.777%
173	11.215	11.202	11.244	VV	28120	593082	22.59%	0.511%
174	11.268	11.244	11.300	VV	29621	804849	30.65%	0.694%
175	11.362	11.342	11.381	VV	28585	542080	20.64%	0.467%
176	11.437	11.422	11.450	VV	21419	344536	13.12%	0.297%
177	11.494	11.450	11.514	VV	46487	1156347	44.04%	0.997%
178	11.540	11.514	11.561	VV	38451	862995	32.87%	0.744%
179	11.578	11.561	11.625	VV	35127	1097836	41.81%	0.946%
180	11.632	11.625	11.641	VV	22510	202737	7.72%	0.175%
181	11.662	11.641	11.689	VV	35545	860186	32.76%	0.741%
182	11.707	11.689	11.720	VV	40127	615512	23.44%	0.531%
183	11.728	11.720	11.751	VV	33986	522398	19.90%	0.450%
184	11.779	11.751	11.800	VV	30963	674424	25.69%	0.581%
185	11.837	11.800	11.860	VV	40484	967319	36.84%	0.834%
186	11.873	11.860	11.910	VV	24151	600638	22.88%	0.518%
187	11.923	11.910	11.933	VV	19208	254526	9.69%	0.219%
188	11.955	11.933	11.969	VV	39418	608260	23.17%	0.524%
189	11.986	11.969	12.001	VV	49492	705822	26.88%	0.608%
190	12.017	12.001	12.057	VV	58667	953639	36.32%	0.822%
191	12.082	12.057	12.107	VV	24356	558987	21.29%	0.482%
192	12.167	12.152	12.217	VV	37020	901218	34.32%	0.777%
193	12.239	12.217	12.257	VV	18924	391112	14.90%	0.337%
194	12.284	12.257	12.307	VV	25859	601142	22.89%	0.518%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	12.325	12.307	12.345	VV	25173	449753	17.13%	0.388%
196	12.354	12.345	12.372	VV	15590	243744	9	
197	12.389	12.372	12.405	VV	18332	307148	11	
198	12.426	12.405	12.450	VV	15715	371156	14	
199	12.488	12.474	12.503	VV	19953	286861	10	
200	12.553	12.540	12.575	VV	15743	276576	10	
201	12.604	12.575	12.622	VV	15719	345110	13.14%	0.297%
202	12.667	12.651	12.678	VV	14387	209403	7.98%	0.180%
203	12.682	12.678	12.697	VV	13216	146491	5.58%	0.126%
204	12.711	12.697	12.715	VV	12922	133929	5.10%	0.115%
205	12.733	12.715	12.756	VV	18612	344511	13.12%	0.297%
206	12.778	12.756	12.816	VV	28173	630797	24.02%	0.544%
207	12.888	12.865	12.907	VV	38115	588798	22.42%	0.507%
208	12.923	12.907	12.939	VV	21166	325201	12.39%	0.280%
209	12.951	12.939	12.982	VV	15747	290935	11.08%	0.251%
210	13.002	12.982	13.016	VV	15568	226510	8.63%	0.195%
211	13.024	13.016	13.050	VV	10223	171051	6.51%	0.147%
212	13.061	13.050	13.075	VV	6052	85712	3.26%	0.074%
213	13.102	13.075	13.113	VV	7005	141130	5.37%	0.122%
214	13.130	13.113	13.149	VV	9828	165437	6.30%	0.143%
215	13.162	13.149	13.175	VV	5283	77278	2.94%	0.067%
216	13.196	13.175	13.214	VV	6248	125946	4.80%	0.109%
217	13.224	13.214	13.235	VV	5329	62716	2.39%	0.054%
218	13.252	13.235	13.278	VV	5883	128308	4.89%	0.111%
219	13.298	13.278	13.353	VV	9186	221984	8.45%	0.191%
220	13.394	13.353	13.423	VV	9457	224486	8.55%	0.193%
221	13.443	13.423	13.464	VV	6987	129456	4.93%	0.112%
222	13.472	13.464	13.499	VV	4576	87073	3.32%	0.075%
223	13.509	13.499	13.534	VV	3387	51470	1.96%	0.044%
224	13.543	13.534	13.551	VV	1679	15840	0.60%	0.014%
225	13.586	13.551	13.612	VV	6879	155981	5.94%	0.134%
226	13.634	13.612	13.680	VV	8636	138375	5.27%	0.119%
227	13.699	13.680	13.715	VV	4063	51226	1.95%	0.044%
228	13.731	13.715	13.755	VV	4283	56974	2.17%	0.049%
229	13.780	13.755	13.786	VV	1088	13987	0.53%	0.012%
230	13.806	13.786	13.833	VV	1507	28985	1.10%	0.025%
231	13.852	13.833	13.867	VV	1074	14774	0.56%	0.013%
232	13.887	13.867	13.900	PBA	1206	4748	0.18%	0.004%
233	13.936	13.909	13.977	BV	169	1212	0.05%	0.001%
234	14.006	13.977	14.021	PV	1162	19922	0.76%	0.017%
235	14.037	14.021	14.059	VV	1689	28230	1.08%	0.024%
236	14.066	14.059	14.071	VV	1214	7862	0.30%	0.007%
237	14.083	14.071	14.114	VV	1728	29055	1.11%	0.025%
238	14.123	14.114	14.139	VV	605	7341	0.28%	0.006%
239	14.165	14.139	14.189	VV	2357	37238	1.42%	0.032%
240	14.207	14.189	14.230	VV	1245	20486	0.78%	0.018%
241	14.249	14.230	14.266	VV	640	11826	0.45%	0.010%
242	14.272	14.266	14.295	VV	631	8163	0.31%	0.007%
243	14.299	14.295	14.325	VV	350	3832	0.15%	0.003%
244	14.349	14.325	14.419	PV	818	24860	0.95%	0.021%
245	14.455	14.419	14.490	VV	643	12860	0.49%	0.011%
246	14.510	14.490	14.536	VV	1127	15531	0.59%	0.013%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-5DL2

Manual IntegrationsAPPROVED

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					rteres			
247	14.546	14.536	14.555	VV	207	1533	0.06%	0.001%
248	14.560	14.555	14.566	VV	200	1144		
249	14.581	14.566	14.593	VV	340	4651		
250	14.610	14.593	14.659	VV	468	10110		
251	14.714	14.682	14.740	PV	632	12785		
252	14.752	14.740	14.781	VV	269	4266		
253	14.809	14.781	14.820	VV	381	6185	0.24%	0.005%
254	14.831	14.820	14.854	VV	580	8434	0.32%	0.007%
255	14.867	14.854	14.890	VV	592	7554	0.29%	0.007%
256	14.897	14.890	14.941	VV	279	3857	0.15%	0.003%
257	14.995	14.957	15.015	VV	352	6862	0.26%	0.006%
258	15.033	15.015	15.057	VV	251	3580	0.14%	0.003%
259	15.064	15.057	15.079	VV	151	1237	0.05%	0.001%
260	15.153	15.129	15.162	PV	125	1565	0.06%	0.001%
261	15.178	15.162	15.197	VV	534	5445	0.21%	0.005%
262	15.219	15.197	15.240	VV	555	7196	0.27%	0.006%
263	15.252	15.240	15.279	VV	361	5321	0.20%	0.005%
264	15.291	15.279	15.320	VV	142	2370	0.09%	0.002%
265	15.337	15.320	15.361	VV	262	4272	0.16%	0.004%
266	15.382	15.361	15.437	VV	192	5858	0.22%	0.005%
267	15.487	15.450	15.517	VV	329	5294	0.20%	0.005%
268	15.597	15.576	15.612	VV	157	2459	0.09%	0.002%
269	15.633	15.612	15.659	VV	345	7129	0.27%	0.006%
270	15.670	15.659	15.674	VV	288	2025	0.08%	0.002%
271	15.688	15.674	15.714	VV	309	4853	0.18%	0.004%
272	15.775	15.746	15.827	VV	335	8613	0.33%	0.007%
273	15.854	15.827	15.873	VV	266	4121	0.16%	0.004%
274	15.891	15.882	15.932	VV	129	2280	0.09%	0.002%
275	15.977	15.971	15.995	VV	187	2024	0.08%	0.002%
276	16.050	16.022	16.057	VV	160	2410	0.09%	0.002%
277	16.095	16.091	16.113	VV	105	1141	0.04%	0.001%
278	16.126	16.113	16.132	VV	124	1118	0.04%	0.001%
279	16.145	16.132	16.152	VV	169	1402	0.05%	0.001%
280	16.217	16.201	16.244	VV	121	2225	0.08%	0.002%
281	16.276	16.244	16.318	VV	404	7458	0.28%	0.006%
282	16.331	16.318	16.347	VV	110	1354	0.05%	0.001%
283	16.384	16.362	16.400	VV	88	1113	0.04%	0.001%
284	16.425	16.400	16.429	PV	166	1814	0.07%	0.002%
285	16.441	16.429	16.447	VV	164	1598	0.06%	0.001%
286	16.463	16.447	16.474	VV	211	2697	0.10%	0.002%
287	16.492	16.474	16.504	VV	139	1627	0.06%	0.001%
288	16.510	16.504	16.530	VV	127	1607	0.06%	0.001%
289	16.560	16.545	16.576	VV	123	1632	0.06%	0.001%
290	16.619	16.576	16.625	VV	124	2337	0.09%	0.002%
291	16.648	16.625	16.687	VV	153	3071	0.12%	0.003%
292	16.760	16.687	16.797	PV	674	16696	0.64%	0.014%
293	16.809	16.797	16.818	VV	159	1744	0.07%	0.002%
294	16.838	16.818	16.862	VV	439	6576	0.25%	0.006%
295	16.915	16.897	16.947	VV	122	2646	0.10%	0.002%
296	16.960	16.947	16.967	VV	108	1025	0.04%	0.001%
297	16.971	16.967	17.004	VV	128	1541	0.06%	0.001%
298	17.036	17.004	17.042	VV	112	1423	0.05%	0.001%
299	17.061	17.042	17.070	VV	156	1458	0.06%	0.001%

Instrument :
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EX-1-TPH-5DL2

Manual IntegrationsAPPROVED

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					rteres			
300	17.118	17.070	17.169	PV	477	9973	0.38%	0.009%
301	17.185	17.169	17.189	VV	228	2086		
302	17.224	17.198	17.261	VV	941	14843		
303	17.276	17.261	17.303	VV	247	3666		
304	17.502	17.434	17.514	PV	159	4591		
305	17.523	17.514	17.535	VV	151	1461		
306	17.541	17.535	17.550	VV	138	1030	0.04%	0.001%
307	17.574	17.556	17.585	VV	161	1848	0.07%	0.002%
308	17.601	17.585	17.605	VV	145	1263	0.05%	0.001%
309	17.610	17.605	17.624	VV	133	1233	0.05%	0.001%
310	17.641	17.624	17.647	VV	143	1396	0.05%	0.001%
311	17.677	17.647	17.706	VV	1294	18139	0.69%	0.016%
312	17.779	17.759	17.806	VV	226	4212	0.16%	0.004%
313	17.853	17.835	17.869	VV	187	2958	0.11%	0.003%
314	17.882	17.877	17.902	VV	144	1449	0.06%	0.001%
315	17.962	17.920	17.967	PV	161	2169	0.08%	0.002%
316	18.115	18.063	18.142	VV	1789	27526	1.05%	0.024%
317	18.188	18.152	18.203	VV	145	3416	0.13%	0.003%

Sum of corrected areas: 116020421

Aromatic EPH 102124.M Mon Nov 04 03:02:40 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-6		SDG No.:	P4599	
Lab Sample ID:	P4599-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.2	
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
10/30/24 08:20	10/31/24 19:35	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	130		25	11.5	30.4	mg/kg	FE050952.D
Aliphatic C12-C16	Aliphatic C12-C16	273		25	7.29	20.3	mg/kg	FE050952.D
Aliphatic C16-C21	Aliphatic C16-C21	138		25	9.12	30.4	mg/kg	FE050952.D
Aliphatic C21-C28	Aliphatic C21-C28	7.67		1	0.97	1.62	mg/kg	FE050927.D
Aliphatic C28-C40	Aliphatic C28-C40	5.20		1	2.19	2.43	mg/kg	FE050927.D
Aromatic C10-C12	Aromatic C10-C12	60.9		10	3.65	8.10	mg/kg	FG014610.D
Aromatic C12-C16	Aromatic C12-C16	189		10	4.13	12.2	mg/kg	FG014610.D
Aromatic C16-C21	Aromatic C16-C21	248		10	11.7	20.3	mg/kg	FG014610.D
Aromatic C21-C36	Aromatic C21-C36	9.53		1	2.43	3.24	mg/kg	FG014582.D
Total AliphaticEPH	Total AliphaticEPH	554			31.1	85.2	mg/kg	
Total AromaticEPH	Total AromaticEPH	507			21.9	43.8	mg/kg	
Total EPH	Total EPH	1060			53.0	129	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:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-6		SDG No.:	P4599	
Lab Sample ID:	P4599-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.2	
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
FE050927.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	124	E	0.46	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	245	E	0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	130	E	0.37	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	7.67		0.97	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.20		2.19	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.1		40 - 140	50%	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:	P4599-06	Acq On:	31 Oct 2024 06:29
Client Sample ID:	EX-1-TPH-6	Operator:	YP\AJ
Data file:	FE050927.D	Misc:	
Instrument:	FID_E	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	219048599	1530	300	ug/ml
Aliphatic C12-C16	6.763	10.194	439267828	3030	200	ug/ml
Aliphatic C16-C21	10.195	13.554	232514578	1610	300	ug/ml
Aliphatic C21-C28	13.555	17.208	13459051	94.679	400	ug/ml
Aliphatic C28-C40	17.209	22.057	8879908	64.206	600	ug/ml
Aliphatic EPH	3.144	22.057	913169964	6330		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	2974965	25.15		ug/ml
Aliphatic C9-C28	3.144	17.208	904290056	6260	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050927.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 06:29
Operator : YP\AJ
Sample : P4599-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Oct 31 07:46:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.290	2974965	25.149 ug/ml
Spiked Amount 50.000		Recovery = 50.30%	
Target Compounds			

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

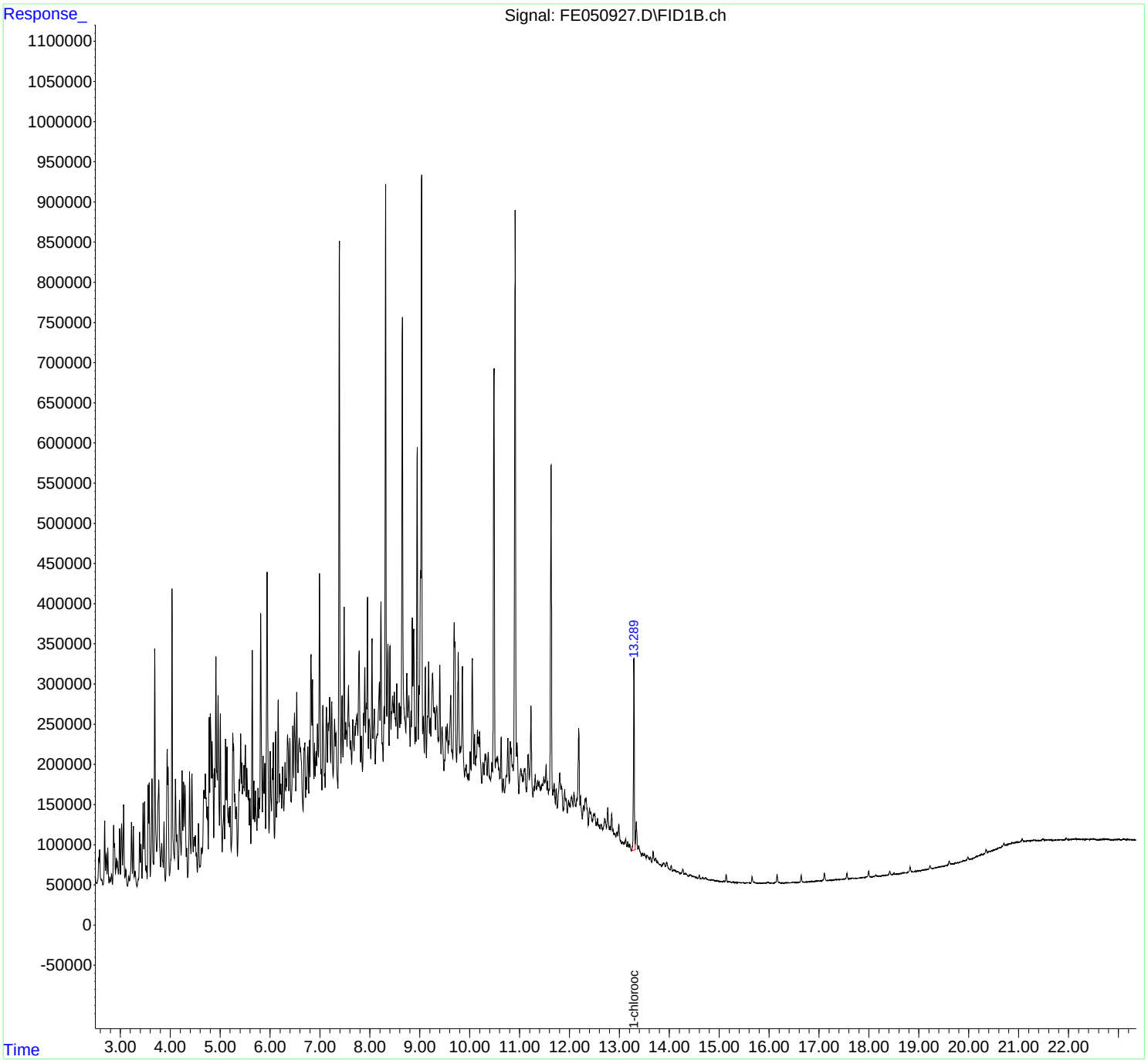
Quantitation Report (QT Reviewed)

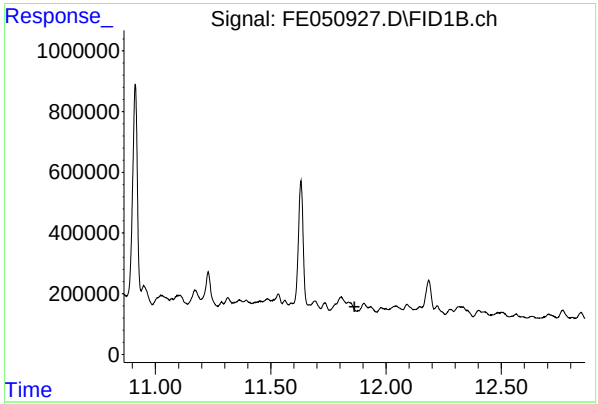
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050927.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 06:29
Operator : YP\AJ
Sample : P4599-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Oct 31 07:46:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

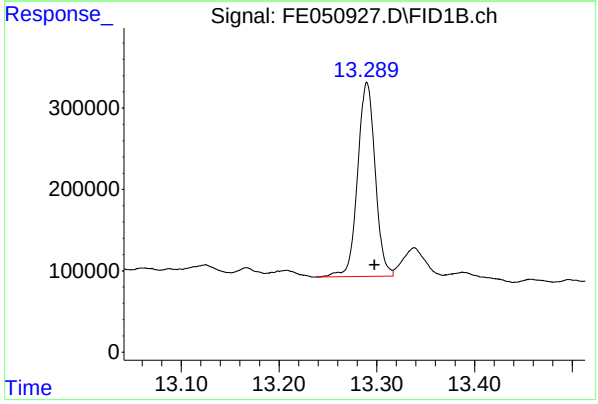




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

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



#12 1-chlorooctadecane (SURR)

R.T.: 13.290 min
Delta R.T.: -0.008 min
Response: 2974965
Conc: 25.15 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050927.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 06:29
Sample : P4599-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.584	2.524	2.621	BV	43008	868068	4.30%	0.094%
2	2.630	2.621	2.651	VV	6144	65875	0.33%	0.007%
3	2.686	2.651	2.702	PV	79645	884879	4.38%	0.095%
4	2.717	2.702	2.733	VV	38876	536108	2.65%	0.058%
5	2.748	2.733	2.773	VV	46389	550619	2.73%	0.059%
6	2.790	2.773	2.804	VV	9873	121341	0.60%	0.013%
7	2.824	2.804	2.844	VV	14164	195130	0.97%	0.021%
8	2.866	2.844	2.903	VV	75019	1395693	6.91%	0.150%
9	2.918	2.903	2.929	VV	34336	399942	1.98%	0.043%
10	2.938	2.929	2.961	VV	30271	456057	2.26%	0.049%
11	2.986	2.961	3.002	VV	70727	920905	4.56%	0.099%
12	3.026	3.002	3.044	VV	76619	1220616	6.04%	0.132%
13	3.067	3.044	3.091	VV	101586	1424852	7.05%	0.154%
14	3.111	3.091	3.142	VV	20199	327143	1.62%	0.035%
15	3.169	3.142	3.185	VV	12166	161302	0.80%	0.017%
16	3.224	3.185	3.244	VV	79424	1174799	5.81%	0.127%
17	3.261	3.244	3.281	VV	74590	875137	4.33%	0.094%
18	3.296	3.281	3.334	VV	18537	316343	1.57%	0.034%
19	3.387	3.334	3.401	PV	66880	921164	4.56%	0.099%
20	3.414	3.401	3.434	VV	52798	650863	3.22%	0.070%
21	3.456	3.434	3.470	VV	103666	1248486	6.18%	0.135%
22	3.486	3.470	3.514	VV	105874	1491415	7.38%	0.161%
23	3.524	3.514	3.537	VV	25680	274696	1.36%	0.030%
24	3.557	3.537	3.567	VV	124687	1354477	6.70%	0.146%
25	3.579	3.567	3.601	VV	127848	1505593	7.45%	0.162%
26	3.635	3.601	3.667	VV	132923	2348832	11.63%	0.253%
27	3.690	3.667	3.727	VV	293859	4132299	20.45%	0.446%
28	3.770	3.727	3.807	VV	133274	3565607	17.65%	0.384%
29	3.829	3.807	3.861	VV	53085	1170636	5.79%	0.126%
30	3.875	3.861	3.902	VV	80149	926174	4.58%	0.100%
31	3.939	3.902	3.985	VV	170262	4101852	20.30%	0.442%
32	4.036	3.985	4.083	VV	370154	5373879	26.60%	0.579%
33	4.105	4.083	4.163	VV	133046	3064931	15.17%	0.330%
34	4.187	4.163	4.218	VV	106705	2040070	10.10%	0.220%
35	4.238	4.218	4.252	VV	143783	1856930	9.19%	0.200%
36	4.266	4.252	4.280	VV	128985	1662286	8.23%	0.179%

37	4.296	4.280	4.321	VV	125391	2191788	10.85%	0.236%
38	4.330	4.321	4.351	VV	47375	551389	2.73%	0.059%
39	4.388	4.351	4.414	VV	142147	2411045	11.93%	0.260%
40	4.435	4.414	4.460	VV	139167	2292545	11.35%	0.247%
41	4.477	4.460	4.491	VV	60836	997459	4.94%	0.108%
42	4.504	4.491	4.543	VV	63110	1341493	6.64%	0.145%
43	4.566	4.543	4.603	VV	77868	1474480	7.30%	0.159%
44	4.625	4.603	4.638	VV	47636	786967	3.89%	0.085%
45	4.673	4.638	4.691	VV	118147	2708623	13.41%	0.292%
46	4.704	4.691	4.735	VV	139535	2986780	14.78%	0.322%
47	4.746	4.735	4.762	VV	99188	1311384	6.49%	0.141%
48	4.780	4.762	4.791	VV	208992	2353957	11.65%	0.254%
49	4.805	4.791	4.826	VV	214579	3665069	18.14%	0.395%
50	4.839	4.826	4.873	VV	179785	3776602	18.69%	0.407%
51	4.916	4.873	4.943	VV	284610	6668247	33.00%	0.719%
52	4.959	4.943	4.986	VV	236186	3964050	19.62%	0.427%
53	5.004	4.986	5.042	VV	214004	3742612	18.52%	0.404%
54	5.074	5.042	5.090	VV	100547	2160079	10.69%	0.233%
55	5.109	5.090	5.124	VV	182907	2586782	12.80%	0.279%
56	5.137	5.124	5.163	VV	173157	2771827	13.72%	0.299%
57	5.175	5.163	5.188	VV	96736	1269104	6.28%	0.137%
58	5.201	5.188	5.222	VV	99267	1498654	7.42%	0.162%
59	5.256	5.222	5.311	VV	190171	6275641	31.06%	0.677%
60	5.326	5.311	5.348	VV	99089	1702452	8.43%	0.184%
61	5.381	5.348	5.390	VV	132182	2237147	11.07%	0.241%
62	5.413	5.390	5.448	VV	188600	5047935	24.98%	0.544%
63	5.475	5.448	5.486	VV	149933	3007035	14.88%	0.324%
64	5.506	5.486	5.523	VV	175872	3197809	15.83%	0.345%
65	5.536	5.523	5.562	VV	146649	2913883	14.42%	0.314%
66	5.571	5.562	5.586	VV	119096	1496964	7.41%	0.161%
67	5.598	5.586	5.616	VV	108889	1546825	7.66%	0.167%
68	5.644	5.616	5.664	VV	293120	4494806	22.25%	0.485%
69	5.677	5.664	5.693	VV	130343	1802922	8.92%	0.194%
70	5.708	5.693	5.737	VV	117875	2445973	12.11%	0.264%
71	5.760	5.737	5.773	VV	121508	2083191	10.31%	0.225%
72	5.785	5.773	5.792	VV	109246	1107802	5.48%	0.119%
73	5.813	5.792	5.847	VV	337689	6218665	30.78%	0.670%
74	5.861	5.847	5.884	VV	160963	2857971	14.15%	0.308%
75	5.896	5.884	5.913	VV	151897	2035773	10.08%	0.219%
76	5.941	5.913	5.980	VV	391144	7991734	39.55%	0.862%
77	6.003	5.980	6.029	VV	167326	3380215	16.73%	0.364%
78	6.046	6.029	6.053	VV	146230	1765361	8.74%	0.190%
79	6.065	6.053	6.089	VV	178207	2647113	13.10%	0.285%
80	6.113	6.089	6.130	VV	191770	2887228	14.29%	0.311%
81	6.163	6.130	6.183	VV	230325	4547748	22.51%	0.490%
82	6.196	6.183	6.208	VV	138941	1812690	8.97%	0.195%
83	6.217	6.208	6.233	VV	126675	1793360	8.88%	0.193%
84	6.253	6.233	6.276	VV	147830	3073214	15.21%	0.331%
85	6.301	6.276	6.316	VV	152564	2955144	14.63%	0.319%
86	6.325	6.316	6.332	VV	132819	1220334	6.04%	0.132%
87	6.352	6.332	6.378	VV	187410	4403241	21.79%	0.475%
88	6.398	6.378	6.423	VV	183073	3790302	18.76%	0.409%
89	6.456	6.423	6.474	VV	198819	4579303	22.66%	0.494%

90	6.490	6.474	6.517	VV	213922	4517753	22.36%	0.487%
91	6.535	6.517	6.560	VV	240552	4539675	22.47%	0.489%
92	6.586	6.560	6.661	VV	183994	9229930	45.68%	0.995%
93	6.696	6.661	6.714	VV	176787	4539160	22.47%	0.489%
94	6.725	6.714	6.735	VV	134540	1593398	7.89%	0.172%
95	6.758	6.735	6.775	VV	172295	3580195	17.72%	0.386%
96	6.790	6.775	6.800	VV	180419	2321500	11.49%	0.250%
97	6.821	6.800	6.840	VV	287816	5376965	26.61%	0.580%
98	6.851	6.840	6.879	VV	256376	4569920	22.62%	0.493%
99	6.892	6.879	6.905	VV	176844	2463812	12.19%	0.266%
100	6.923	6.905	6.934	VV	166837	2668790	13.21%	0.288%
101	6.951	6.934	6.971	VV	200829	3887713	19.24%	0.419%
102	6.992	6.971	7.040	VV	388102	8882478	43.96%	0.958%
103	7.059	7.040	7.105	VV	224575	6348835	31.42%	0.685%
104	7.131	7.105	7.150	VV	221929	4961389	24.56%	0.535%
105	7.196	7.150	7.216	VV	233128	7615038	37.69%	0.821%
106	7.236	7.216	7.265	VV	228325	5333619	26.40%	0.575%
107	7.294	7.265	7.309	VV	206680	4581675	22.68%	0.494%
108	7.320	7.309	7.358	VV	189537	4675652	23.14%	0.504%
109	7.389	7.358	7.422	VV	797945	13213122	65.40%	1.425%
110	7.442	7.422	7.463	VV	235583	4755285	23.54%	0.513%
111	7.486	7.463	7.505	VV	346093	6101682	30.20%	0.658%
112	7.517	7.505	7.543	VV	202659	4273099	21.15%	0.461%
113	7.572	7.543	7.606	VV	247985	7719815	38.21%	0.832%
114	7.615	7.606	7.636	VV	180027	3095960	15.32%	0.334%
115	7.660	7.636	7.685	VV	205318	5273880	26.10%	0.569%
116	7.740	7.685	7.759	VV	212413	8710480	43.11%	0.939%
117	7.785	7.759	7.815	VV	290256	7615744	37.69%	0.821%
118	7.829	7.815	7.853	VV	184857	3786861	18.74%	0.408%
119	7.876	7.853	7.884	VV	214467	3327086	16.47%	0.359%
120	7.899	7.884	7.915	VV	270506	4267616	21.12%	0.460%
121	7.953	7.915	7.971	VV	358886	8263019	40.90%	0.891%
122	7.986	7.971	8.020	VV	205890	5500999	27.23%	0.593%
123	8.043	8.020	8.063	VV	307047	5858044	28.99%	0.632%
124	8.091	8.063	8.110	VV	219216	5402358	26.74%	0.582%
125	8.191	8.110	8.205	VV	252251	11450770	56.67%	1.235%
126	8.223	8.205	8.266	VV	353234	8491318	42.03%	0.916%
127	8.285	8.266	8.293	VV	222258	3146719	15.57%	0.339%
128	8.316	8.293	8.341	VV	877339	12731960	63.01%	1.373%
129	8.363	8.341	8.386	VV	300361	6561064	32.47%	0.707%
130	8.404	8.386	8.425	VV	296858	5499065	27.22%	0.593%
131	8.458	8.425	8.479	VV	234672	7121627	35.25%	0.768%
132	8.492	8.479	8.521	VV	240500	5546087	27.45%	0.598%
133	8.541	8.521	8.560	VV	250459	5067827	25.08%	0.546%
134	8.587	8.560	8.601	VV	226569	5032912	24.91%	0.543%
135	8.613	8.601	8.624	VV	221860	2972333	14.71%	0.320%
136	8.651	8.624	8.721	VV	703861	17957531	88.88%	1.936%
137	8.741	8.721	8.761	VV	263083	5571482	27.58%	0.601%
138	8.782	8.761	8.808	VV	235706	5963604	29.52%	0.643%
139	8.825	8.808	8.833	VV	216383	2944629	14.57%	0.317%
140	8.851	8.833	8.864	VV	332325	5055305	25.02%	0.545%
141	8.879	8.864	8.905	VV	318558	6266474	31.01%	0.676%

142	8.918	8.905	8.926	VV	196351	2434425	12.05%	0.262%
143	8.949	8.926	8.972	VV	544224	8792467	43.52%	0.948%
144	9.036	8.972	9.061	VV	887991	20204812	100.00%	2.178%
145	9.073	9.061	9.091	VV	210599	3499354	17.32%	0.377%
146	9.112	9.091	9.134	VV	270663	5494660	27.19%	0.592%
147	9.179	9.134	9.197	VV	277231	8103901	40.11%	0.874%
148	9.211	9.197	9.224	VV	207483	3147511	15.58%	0.339%
149	9.257	9.224	9.283	VV	262875	8291272	41.04%	0.894%
150	9.297	9.283	9.316	VV	220794	4094766	20.27%	0.441%
151	9.342	9.316	9.380	VV	221767	7708723	38.15%	0.831%
152	9.402	9.380	9.427	VV	273307	6062209	30.00%	0.654%
153	9.447	9.427	9.486	VV	196639	6123949	30.31%	0.660%
154	9.524	9.486	9.537	VV	196240	5232510	25.90%	0.564%
155	9.553	9.537	9.570	VV	200557	3621844	17.93%	0.390%
156	9.581	9.570	9.587	VV	179032	1821778	9.02%	0.196%
157	9.620	9.587	9.661	VV	236018	8420248	41.67%	0.908%
158	9.690	9.661	9.738	VV	325070	10802899	53.47%	1.165%
159	9.771	9.738	9.801	VV	289058	7923394	39.22%	0.854%
160	9.812	9.801	9.822	VV	170968	2097736	10.38%	0.226%
161	9.855	9.822	9.899	VV	270296	8552548	42.33%	0.922%
162	9.931	9.899	9.966	VV	148820	5669641	28.06%	0.611%
163	9.978	9.966	9.990	VV	137820	1889010	9.35%	0.204%
164	10.011	9.990	10.027	VV	165709	3374257	16.70%	0.364%
165	10.053	10.027	10.085	VV	281215	7103855	35.16%	0.766%
166	10.099	10.085	10.117	VV	187256	3229718	15.98%	0.348%
167	10.156	10.117	10.168	VV	191641	5171892	25.60%	0.558%
168	10.177	10.168	10.188	VV	184081	2165306	10.72%	0.233%
169	10.201	10.188	10.243	VV	190564	5235236	25.91%	0.564%
170	10.269	10.243	10.289	VV	152480	3877414	19.19%	0.418%
171	10.309	10.289	10.350	VV	162385	5600143	27.72%	0.604%
172	10.373	10.350	10.421	VV	164997	6044903	29.92%	0.652%
173	10.446	10.421	10.456	VV	152112	3008285	14.89%	0.324%
174	10.488	10.456	10.516	VV	640953	12100220	59.89%	1.305%
175	10.548	10.516	10.611	VV	158731	8511437	42.13%	0.918%
176	10.633	10.611	10.656	VV	184437	4016276	19.88%	0.433%
177	10.673	10.656	10.699	VV	131319	3178556	15.73%	0.343%
178	10.732	10.699	10.740	VV	135568	3108880	15.39%	0.335%
179	10.766	10.740	10.794	VV	182296	4853204	24.02%	0.523%
180	10.815	10.794	10.825	VV	177611	2921311	14.46%	0.315%
181	10.834	10.825	10.874	VV	169419	4480624	22.18%	0.483%
182	10.913	10.874	10.939	VV	841095	15199639	75.23%	1.639%
183	10.950	10.939	10.987	VV	175281	4273582	21.15%	0.461%
184	11.026	10.987	11.061	VV	143460	5958257	29.49%	0.642%
185	11.105	11.061	11.139	VV	143970	6249871	30.93%	0.674%
186	11.172	11.139	11.197	VV	160629	4864525	24.08%	0.524%
187	11.229	11.197	11.269	VV	220818	6572643	32.53%	0.709%
188	11.314	11.269	11.334	VV	136566	4755358	23.54%	0.513%
189	11.364	11.334	11.381	VV	128836	3459689	17.12%	0.373%
190	11.394	11.381	11.418	VV	128389	2734249	13.53%	0.295%
191	11.453	11.418	11.464	VV	124466	3366374	16.66%	0.363%
192	11.486	11.464	11.502	VV	133153	2874348	14.23%	0.310%
193	11.533	11.502	11.550	VV	148392	3841341	19.01%	0.414%
194	11.561	11.550	11.578	VV	127787	2015702	9.98%	0.217%

195	11.589	11.578	11.594	VV	118156	1161637	5.75%	0.125%
196	11.631	11.594	11.670	VV	520852	10846708	53.68%	1.169%
197	11.691	11.670	11.716	VV	125015	3188082	15.78%	0.344%
198	11.734	11.716	11.756	VV	118663	2525901	12.50%	0.272%
199	11.805	11.756	11.828	VV	138459	5186340	25.67%	0.559%
200	11.837	11.828	11.872	VV	121750	2924841	14.48%	0.315%
201	11.904	11.872	11.924	VV	117914	3242168	16.05%	0.350%
202	11.933	11.924	11.958	VV	106313	2028390	10.04%	0.219%
203	11.979	11.958	12.010	VV	103997	3065090	15.17%	0.330%
204	12.043	12.010	12.074	VV	108465	3932054	19.46%	0.424%
205	12.091	12.074	12.121	VV	114453	2941348	14.56%	0.317%
206	12.185	12.121	12.210	VV	193736	6717251	33.25%	0.724%
207	12.222	12.210	12.256	VV	109552	2685819	13.29%	0.290%
208	12.279	12.256	12.294	VV	97090	2039034	10.09%	0.220%
209	12.316	12.294	12.378	VV	106222	4844954	23.98%	0.522%
210	12.402	12.378	12.415	VV	94334	1956400	9.68%	0.211%
211	12.423	12.415	12.451	VV	89187	1821036	9.01%	0.196%
212	12.504	12.451	12.533	VV	87012	4057519	20.08%	0.437%
213	12.564	12.533	12.614	VV	81979	3610263	17.87%	0.389%
214	12.632	12.614	12.664	VV	74210	2137223	10.58%	0.230%
215	12.706	12.664	12.741	VV	81483	3399311	16.82%	0.367%
216	12.766	12.741	12.797	VV	95098	2700977	13.37%	0.291%
217	12.809	12.797	12.824	VV	70300	1138998	5.64%	0.123%
218	12.845	12.824	12.889	VV	87188	2810319	13.91%	0.303%
219	12.901	12.889	12.927	VV	63050	1425811	7.06%	0.154%
220	12.948	12.927	12.967	VV	64183	1499257	7.42%	0.162%
221	12.988	12.967	13.048	VV	73600	2873700	14.22%	0.310%
222	13.062	13.048	13.078	VV	52136	930124	4.60%	0.100%
223	13.088	13.078	13.094	VV	51426	480489	2.38%	0.052%
224	13.124	13.094	13.150	VV	56114	1731303	8.57%	0.187%
225	13.167	13.150	13.187	VV	52525	1080142	5.35%	0.116%
226	13.207	13.187	13.238	VV	49447	1393871	6.90%	0.150%
227	13.290	13.238	13.317	VV	280382	4953921	24.52%	0.534%
228	13.338	13.317	13.369	VV	76934	1869916	9.25%	0.202%
229	13.388	13.369	13.441	VV	46914	1786748	8.84%	0.193%
230	13.458	13.441	13.481	VV	38310	894001	4.42%	0.096%
231	13.497	13.481	13.533	VV	37821	1097829	5.43%	0.118%
232	13.552	13.533	13.603	VV	35726	1387657	6.87%	0.150%
233	13.618	13.603	13.646	VV	33397	788506	3.90%	0.085%
234	13.675	13.646	13.704	VV	40459	1144302	5.66%	0.123%
235	13.724	13.704	13.751	VV	31793	842025	4.17%	0.091%
236	13.762	13.751	13.846	VV	27426	1399692	6.93%	0.151%
237	13.866	13.846	13.873	VV	24178	377571	1.87%	0.041%
238	13.889	13.873	13.920	VV	26233	674298	3.34%	0.073%
239	13.947	13.920	14.014	VV	26422	1214700	6.01%	0.131%
240	14.037	14.014	14.071	VV	22467	636722	3.15%	0.069%
241	14.090	14.071	14.107	VV	17456	356431	1.76%	0.038%
242	14.123	14.107	14.151	VV	16799	413480	2.05%	0.045%
243	14.161	14.151	14.207	VV	15261	486150	2.41%	0.052%
244	14.218	14.207	14.231	VV	12998	182936	0.91%	0.020%
245	14.269	14.231	14.310	VV	17957	670579	3.32%	0.072%
246	14.327	14.310	14.380	VV	12489	473051	2.34%	0.051%

247	14.420	14.380	14.461	VV	11114	488698	2.42%	0.053%
248	14.477	14.461	14.492	VV	9301	167332	0.83%	0.018%
249	14.504	14.492	14.529	VV	8873	184531	0.91%	0.020%
250	14.537	14.529	14.574	VV	7859	194294	0.96%	0.021%
251	14.598	14.574	14.640	VV	10569	298411	1.48%	0.032%
252	14.666	14.640	14.701	VV	7231	234052	1.16%	0.025%
253	14.725	14.701	14.778	VV	7545	273393	1.35%	0.029%
254	14.791	14.778	14.807	VV	4540	79729	0.39%	0.009%
255	14.817	14.807	14.829	VV	4368	54918	0.27%	0.006%
256	14.848	14.829	14.862	VV	4692	87359	0.43%	0.009%
257	14.874	14.862	14.933	VV	4531	163283	0.81%	0.018%
258	14.953	14.933	14.966	VV	3372	61727	0.31%	0.007%
259	14.976	14.966	15.031	VV	3157	107449	0.53%	0.012%
260	15.042	15.031	15.073	VV	2786	63795	0.32%	0.007%
261	15.094	15.073	15.111	VV	3107	59639	0.30%	0.006%
262	15.138	15.111	15.254	VV	10847	278166	1.38%	0.030%
263	15.277	15.254	15.314	VV	1741	47456	0.23%	0.005%
264	15.341	15.314	15.361	VV	1168	26856	0.13%	0.003%
265	15.390	15.361	15.461	VV	1248	54895	0.27%	0.006%
266	15.476	15.461	15.540	VV	1028	28418	0.14%	0.003%
267	15.565	15.540	15.599	VV	686	19246	0.10%	0.002%
268	15.608	15.599	15.629	VV	489	7960	0.04%	0.001%
269	15.658	15.629	15.691	VV	8097	122249	0.61%	0.013%
270	15.699	15.691	15.778	VV	1236	30206	0.15%	0.003%
271	15.792	15.778	15.824	VV	429	5340	0.03%	0.001%
272	15.839	15.824	15.861	VV	166	2310	0.01%	0.000%
273	15.883	15.861	15.897	VV	397	5988	0.03%	0.001%
274	15.927	15.897	15.935	VV	329	5560	0.03%	0.001%
275	15.970	15.935	16.031	VV	1192	38213	0.19%	0.004%
276	16.044	16.031	16.077	VV	413	6310	0.03%	0.001%
277	16.119	16.077	16.133	PV	1376	20153	0.10%	0.002%
278	16.159	16.133	16.236	VV	10728	166295	0.82%	0.018%
279	16.251	16.236	16.280	VV	210	2166	0.01%	0.000%
280	16.297	16.280	16.308	VV	159	1259	0.01%	0.000%
281	16.352	16.308	16.377	PV	518	11988	0.06%	0.001%
282	16.397	16.377	16.427	VV	276	4775	0.02%	0.001%
283	16.471	16.427	16.501	VV	976	22731	0.11%	0.002%
284	16.516	16.501	16.563	VV	592	10657	0.05%	0.001%
285	16.641	16.563	16.700	PV	8924	132510	0.66%	0.014%
286	16.752	16.700	16.771	VV	246	6904	0.03%	0.001%
287	16.808	16.771	16.818	PV	388	5726	0.03%	0.001%
288	16.858	16.818	16.896	VV	655	17711	0.09%	0.002%
289	16.944	16.896	16.964	VV	689	15027	0.07%	0.002%
290	16.987	16.964	17.011	VV	440	9991	0.05%	0.001%
291	17.106	17.011	17.177	VV	9839	172932	0.86%	0.019%
292	17.217	17.177	17.236	VV	246	4684	0.02%	0.001%
293	17.249	17.236	17.258	VV	131	671	0.00%	0.000%
294	17.269	17.258	17.279	PV	180	1492	0.01%	0.000%
295	17.344	17.279	17.366	VV	569	12399	0.06%	0.001%
296	17.398	17.366	17.421	VV	373	6538	0.03%	0.001%
297	17.443	17.421	17.455	VV	368	4614	0.02%	0.000%
298	17.520	17.455	17.530	VV	695	17012	0.08%	0.002%
299	17.557	17.530	17.606	VV	7046	106253	0.53%	0.011%

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300	17.628	17.606	17.637	VV	387	5273	0.03%	0.001%
301	17.674	17.637	17.708	VV	774	20481	0.10%	0.002%
302	17.717	17.708	17.730	VV	196	1901	0.01%	0.000%
303	17.757	17.730	17.768	PV	257	3543	0.02%	0.000%
304	17.842	17.768	17.866	VV	383	8334	0.04%	0.001%
305	17.891	17.866	17.908	VV	323	4924	0.02%	0.001%
306	17.993	17.908	18.024	VV	7592	125676	0.62%	0.014%
307	18.058	18.024	18.066	VV	158	4043	0.02%	0.000%
308	18.082	18.066	18.091	VV	251	1913	0.01%	0.000%
309	18.132	18.091	18.207	VV	1411	34776	0.17%	0.004%
310	18.271	18.207	18.291	PV	534	7679	0.04%	0.001%
311	18.415	18.291	18.447	VV	4977	83167	0.41%	0.009%
312	18.501	18.447	18.531	VV	1588	33000	0.16%	0.004%
313	18.564	18.531	18.583	VV	232	6377	0.03%	0.001%
314	18.725	18.583	18.749	PV	457	29188	0.14%	0.003%
315	18.825	18.749	18.871	VV	6339	119802	0.59%	0.013%
316	18.924	18.871	18.944	VV	557	11126	0.06%	0.001%
317	18.977	18.944	18.994	PV	423	7335	0.04%	0.001%
318	19.151	18.994	19.164	VV	222	23558	0.12%	0.003%
319	19.222	19.164	19.283	PV	4257	74496	0.37%	0.008%
320	19.432	19.283	19.440	PV	278	24571	0.12%	0.003%
321	19.608	19.440	19.656	VV	5115	112838	0.56%	0.012%
322	19.665	19.656	19.672	VV	617	4839	0.02%	0.001%
323	19.982	19.672	20.011	VV	5128	263146	1.30%	0.028%
324	20.255	20.011	20.264	VV	4715	456832	2.26%	0.049%
325	20.346	20.264	20.374	VV	9426	386141	1.91%	0.042%
326	20.704	20.374	20.735	VV	12480	1686617	8.35%	0.182%
327	21.004	20.735	21.021	VV	10363	1792640	8.87%	0.193%
328	21.071	21.021	21.118	VV	12756	631324	3.12%	0.068%
329	21.182	21.118	21.221	VV	9375	575022	2.85%	0.062%
330	21.324	21.221	21.368	VV	8257	728508	3.61%	0.079%
331	21.382	21.368	21.408	VV	7116	164642	0.81%	0.018%
332	21.486	21.408	21.533	VV	7627	492062	2.44%	0.053%
333	21.549	21.533	21.558	VV	5527	81220	0.40%	0.009%
334	21.617	21.558	21.673	VV	4932	322785	1.60%	0.035%
335	21.739	21.673	21.794	VV	3234	224617	1.11%	0.024%
336	21.839	21.794	21.911	VV	2146	118194	0.58%	0.013%
337	21.954	21.911	21.994	VV	1959	53655	0.27%	0.006%

Sum of corrected areas: 927491109

Aliphatic EPH 100824.M Thu Oct 31 07:50:25 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-6		SDG No.:	P4599	
Lab Sample ID:	P4599-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.2	
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
FG014582.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	53.8	E	0.37	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	166	E	0.41	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	221	E	1.17	2.03	mg/kg
Aromatic C21-C36	Aromatic C21-C36	9.53		2.43	3.24	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	77.7		40 - 140	155%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	69.4		40 - 140	139%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.9		40 - 140	52%	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:	P4599-06	Acq On:	30 Oct 2024 19:31
Client Sample ID:	EX-1-TPH-6	Operator:	YP\AJ
Data file:	FG014582.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	92650171	664.179	200	ug/ml
Aromatic C12-C16	6.390	9.089	298245517	2050	300	ug/ml
Aromatic C16-C21	9.090	13.408	395576094	2730	500	ug/ml
Aromatic C21-C36	13.409	18.851	16721622	117.643	800	ug/ml
Aromatic EPH	4.519	18.851	803193404	5560		ug/ml
ortho-Terphenyl (SURR)	11.965	11.965	3835655	25.91		ug/ml
2-Bromonaphthalene (SURR)	8.020	8.020	9758643	77.74		ug/ml
2-Flurobiphenyl (SURR)	8.898	8.898	5980480	69.43		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014582.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:31
Operator : YP\AJ
Sample : P4599-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 31 06:44:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.020	9758643	77.736 ug/ml
Spiked Amount 50.000		Recovery =	155.47%
6) S 2-Flurobiphenyl (SURR)	8.898	5980480	69.431 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	138.86%#
11) S ortho-Terphenyl (SURR)	11.965	3835655	25.906 ug/mlm
Spiked Amount 50.000		Recovery =	51.81%
Target Compounds			

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

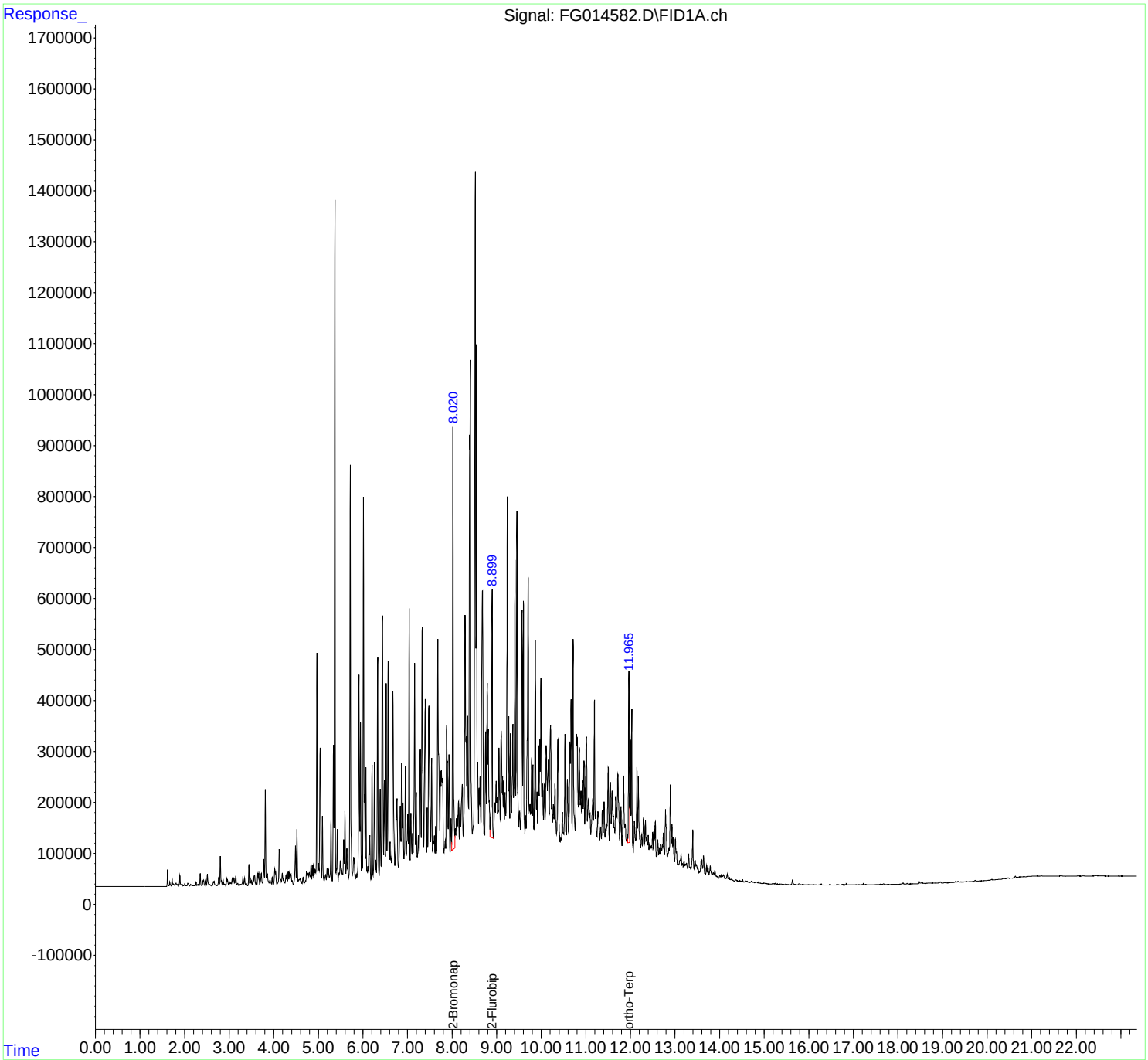
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014582.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:31
Operator : YP\AJ
Sample : P4599-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

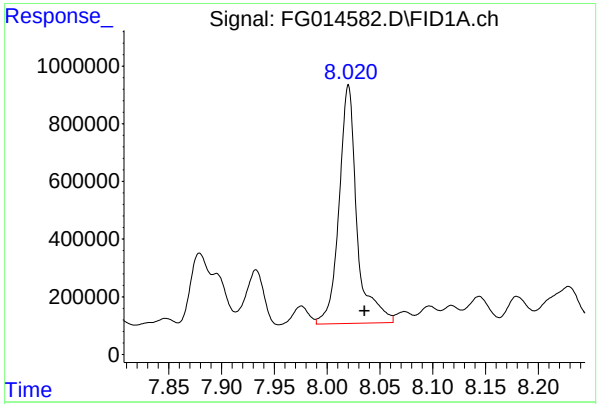
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-6

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





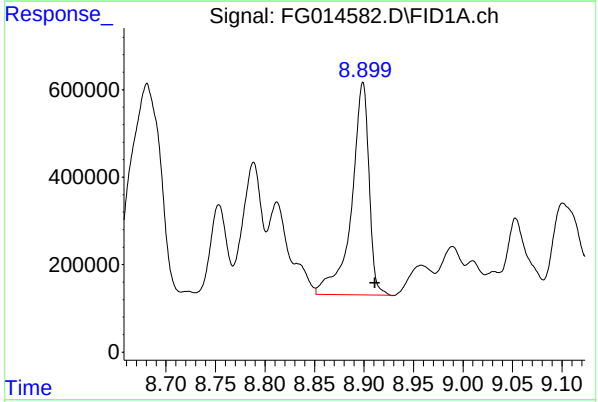
#4 2-Bromonaphthalene (SURR)

R.T.: 8.020 min
Delta R.T.: -0.016 min
Response: 9758643
Conc: 77.74 ug/ml

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

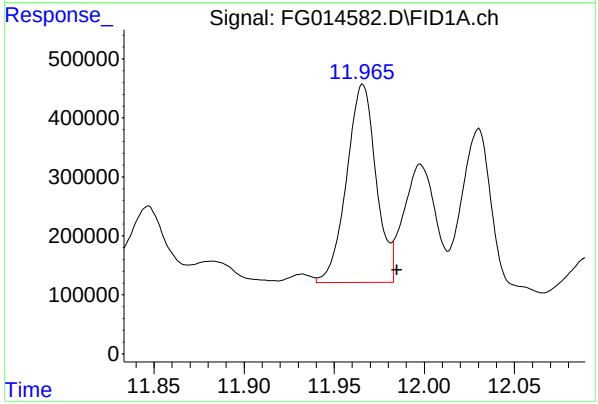
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.898 min
Delta R.T.: -0.013 min
Response: 5980480
Conc: 69.43 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.965 min
Delta R.T.: -0.020 min
Response: 3835655
Conc: 25.91 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014582.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:31
Sample : P4599-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.291	BV	15563	199960	0.87%	0.024%
2	4.295	4.291	4.307	VV	8628	73671	0.32%	0.009%
3	4.325	4.307	4.338	VV	23412	265845	1.15%	0.032%
4	4.353	4.338	4.366	VV	22463	267948	1.16%	0.033%
5	4.385	4.366	4.407	VV	19820	343924	1.49%	0.042%
6	4.417	4.407	4.439	VV	7457	79353	0.34%	0.010%
7	4.489	4.439	4.504	PV	76106	1022932	4.44%	0.125%
8	4.521	4.504	4.548	VV	108286	1195890	5.19%	0.146%
9	4.565	4.548	4.572	VV	9341	121461	0.53%	0.015%
10	4.588	4.572	4.608	VV	11261	200775	0.87%	0.025%
11	4.615	4.608	4.635	VV	6590	75763	0.33%	0.009%
12	4.656	4.635	4.678	VV	13949	196192	0.85%	0.024%
13	4.689	4.678	4.694	VV	3481	30861	0.13%	0.004%
14	4.712	4.694	4.718	VV	7341	78976	0.34%	0.010%
15	4.735	4.718	4.748	VV	26619	316311	1.37%	0.039%
16	4.765	4.748	4.781	VV	22049	401948	1.75%	0.049%
17	4.795	4.781	4.816	VV	23350	397732	1.73%	0.049%
18	4.836	4.816	4.852	VV	39913	525892	2.28%	0.064%
19	4.866	4.852	4.879	VV	37569	405026	1.76%	0.049%
20	4.893	4.879	4.914	VV	38442	635338	2.76%	0.078%
21	4.926	4.914	4.940	VV	29486	399577	1.74%	0.049%
22	4.968	4.940	4.990	VV	454382	4854036	21.08%	0.593%
23	5.004	4.990	5.016	VV	42023	538883	2.34%	0.066%
24	5.042	5.016	5.072	VV	268124	4264629	18.52%	0.521%
25	5.092	5.072	5.131	VV	134398	1615797	7.02%	0.197%
26	5.161	5.131	5.178	VV	19532	381794	1.66%	0.047%
27	5.197	5.178	5.214	VV	32497	459875	2.00%	0.056%
28	5.228	5.214	5.250	VV	29181	424378	1.84%	0.052%
29	5.284	5.250	5.313	VV	127856	1640091	7.12%	0.200%
30	5.339	5.313	5.351	VV	273309	2876363	12.49%	0.352%
31	5.372	5.351	5.395	VV	1344656	13847351	60.13%	1.692%
32	5.426	5.395	5.445	VV	108362	1387349	6.02%	0.170%
33	5.467	5.445	5.476	VV	22903	352232	1.53%	0.043%
34	5.493	5.476	5.514	VV	46164	763165	3.31%	0.093%
35	5.524	5.514	5.538	VV	28571	346723	1.51%	0.042%
36	5.542	5.538	5.548	VV	20871	130823	0.57%	0.016%

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37	5.570	5.548	5.582	VV	87922	1073919	4.66%	0.131%
38	5.598	5.582	5.617	VV	143676	1675292		
39	5.640	5.617	5.656	VV	70825	1006485		
40	5.662	5.656	5.679	VV	33189	347529		
41	5.716	5.679	5.758	VV	822325	9802362		
42	5.791	5.758	5.800	VV	53952	833490		
43	5.806	5.800	5.830	VV	49130	550500	2.39%	0.067%
44	5.851	5.830	5.865	VV	20170	331230	1.44%	0.040%
45	5.911	5.865	5.932	VV	410492	5506914	23.91%	0.673%
46	5.946	5.932	5.966	VV	317413	3381378	14.68%	0.413%
47	5.980	5.966	5.992	VV	58603	705921	3.07%	0.086%
48	6.013	5.992	6.031	VV	760327	8361124	36.31%	1.022%
49	6.037	6.031	6.053	VV	176294	1713164	7.44%	0.209%
50	6.068	6.053	6.088	VV	229989	2389054	10.37%	0.292%
51	6.091	6.088	6.099	VV	27366	171945	0.75%	0.021%
52	6.111	6.099	6.121	VV	35948	409891	1.78%	0.050%
53	6.135	6.121	6.141	VV	63193	585478	2.54%	0.072%
54	6.154	6.141	6.180	VV	96361	1257466	5.46%	0.154%
55	6.205	6.180	6.227	VV	234484	2548183	11.06%	0.311%
56	6.260	6.227	6.279	VV	240601	2933683	12.74%	0.359%
57	6.289	6.279	6.304	VV	48564	555597	2.41%	0.068%
58	6.331	6.304	6.365	VV	445318	5431653	23.59%	0.664%
59	6.388	6.365	6.408	VV	187931	2212682	9.61%	0.270%
60	6.436	6.408	6.465	VV	528075	8591750	37.31%	1.050%
61	6.481	6.465	6.505	VV	204954	2930978	12.73%	0.358%
62	6.523	6.505	6.540	VV	394601	4230309	18.37%	0.517%
63	6.566	6.540	6.595	VV	437702	5934322	25.77%	0.725%
64	6.609	6.595	6.623	VV	83983	1104934	4.80%	0.135%
65	6.628	6.623	6.641	VV	52859	531177	2.31%	0.065%
66	6.673	6.641	6.717	VV	379839	7154692	31.07%	0.874%
67	6.764	6.717	6.802	VV	168801	4483967	19.47%	0.548%
68	6.840	6.802	6.853	VV	154752	2972656	12.91%	0.363%
69	6.873	6.853	6.889	VV	238367	3836679	16.66%	0.469%
70	6.900	6.889	6.921	VV	160929	2095252	9.10%	0.256%
71	6.955	6.921	6.974	VV	231927	3669595	15.93%	0.448%
72	7.007	6.974	7.020	VV	137979	2696072	11.71%	0.329%
73	7.039	7.020	7.059	VV	542076	6109155	26.53%	0.747%
74	7.077	7.059	7.101	VV	140542	2331811	10.13%	0.285%
75	7.116	7.101	7.127	VV	100893	1251340	5.43%	0.153%
76	7.161	7.127	7.180	VV	435908	6347882	27.56%	0.776%
77	7.197	7.180	7.219	VV	180829	2568314	11.15%	0.314%
78	7.245	7.219	7.260	VV	96694	1790805	7.78%	0.219%
79	7.287	7.260	7.308	VV	264475	4489555	19.49%	0.549%
80	7.329	7.308	7.365	VV	504503	8491417	36.87%	1.038%
81	7.398	7.365	7.427	VV	363936	7583301	32.93%	0.927%
82	7.442	7.427	7.457	VV	150769	1930014	8.38%	0.236%
83	7.478	7.457	7.522	VV	350008	7637008	33.16%	0.933%
84	7.542	7.522	7.564	VV	248341	3718706	16.15%	0.454%
85	7.582	7.564	7.592	VV	86300	1308692	5.68%	0.160%
86	7.604	7.592	7.618	VV	96079	1285978	5.58%	0.157%
87	7.635	7.618	7.651	VV	114902	1768303	7.68%	0.216%
88	7.682	7.651	7.727	VV	481628	10327910	44.85%	1.262%
89	7.742	7.727	7.751	VV	222617	2545406	11.05%	0.311%

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90	7.761	7.751	7.781	VV	225325	3749924	16.28%	0.458%
91	7.788	7.781	7.819	VV	208912	3109909	13	
92	7.847	7.819	7.859	VV	86543	1801704	7	
93	7.879	7.859	7.913	VV	313269	6655686	28	
94	7.933	7.913	7.954	VV	255396	3838838	16	
95	7.975	7.954	7.989	VV	129596	2024047	8	
96	8.020	7.989	8.062	VV	898716	12804656	55.60%	1.565%
97	8.073	8.062	8.083	VV	110372	1281630	5.57%	0.157%
98	8.097	8.083	8.107	VV	129533	1708726	7.42%	0.209%
99	8.118	8.107	8.128	VV	131748	1502280	6.52%	0.184%
100	8.144	8.128	8.163	VV	162895	2770051	12.03%	0.339%
101	8.179	8.163	8.196	VV	163251	2631686	11.43%	0.322%
102	8.228	8.196	8.250	VV	197141	4884311	21.21%	0.597%
103	8.293	8.250	8.312	VV	528558	10165669	44.14%	1.242%
104	8.318	8.312	8.331	VV	291320	2940684	12.77%	0.359%
105	8.344	8.331	8.370	VV	331355	5392837	23.42%	0.659%
106	8.397	8.370	8.402	VV	882644	10195515	44.27%	1.246%
107	8.411	8.402	8.454	VV	1029098	12668364	55.01%	1.548%
108	8.522	8.454	8.536	VV	1399296	23029687	100.00%	2.814%
109	8.548	8.536	8.565	VV	1060358	11311052	49.12%	1.382%
110	8.573	8.565	8.593	VV	240752	3260072	14.16%	0.398%
111	8.606	8.593	8.615	VV	190117	2197824	9.54%	0.269%
112	8.628	8.615	8.646	VV	213141	3251511	14.12%	0.397%
113	8.681	8.646	8.716	VV	576094	13952564	60.59%	1.705%
114	8.722	8.716	8.729	VV	100533	796568	3.46%	0.097%
115	8.753	8.729	8.768	VV	298415	4477958	19.44%	0.547%
116	8.788	8.768	8.802	VV	395789	5855915	25.43%	0.716%
117	8.812	8.802	8.851	VV	304995	5963106	25.89%	0.729%
118	8.899	8.851	8.929	VV	578881	10316730	44.80%	1.261%
119	8.958	8.929	8.972	VV	160108	3385363	14.70%	0.414%
120	8.989	8.972	9.003	VV	203119	3264471	14.18%	0.399%
121	9.010	9.003	9.023	VV	170950	1916545	8.32%	0.234%
122	9.053	9.023	9.081	VV	267593	6226310	27.04%	0.761%
123	9.101	9.081	9.125	VV	302251	6197549	26.91%	0.757%
124	9.135	9.125	9.147	VV	212882	2514142	10.92%	0.307%
125	9.159	9.147	9.174	VV	204623	2733374	11.87%	0.334%
126	9.188	9.174	9.204	VV	181569	2764521	12.00%	0.338%
127	9.240	9.204	9.259	VV	760164	11846240	51.44%	1.448%
128	9.273	9.259	9.294	VV	330072	4969713	21.58%	0.607%
129	9.312	9.294	9.332	VV	296105	4695292	20.39%	0.574%
130	9.363	9.332	9.379	VV	315311	6195374	26.90%	0.757%
131	9.412	9.379	9.428	VV	637813	9777777	42.46%	1.195%
132	9.454	9.428	9.497	VV	732686	12559691	54.54%	1.535%
133	9.515	9.497	9.535	VV	144116	2919787	12.68%	0.357%
134	9.569	9.535	9.585	VV	539365	8604928	37.36%	1.052%
135	9.601	9.585	9.634	VV	556398	7752857	33.66%	0.947%
136	9.650	9.634	9.663	VV	135490	2036119	8.84%	0.249%
137	9.706	9.663	9.735	VV	602478	12610521	54.76%	1.541%
138	9.750	9.735	9.763	VV	157949	2428588	10.55%	0.297%
139	9.786	9.763	9.799	VV	249080	3965020	17.22%	0.485%
140	9.813	9.799	9.835	VV	235400	3602667	15.64%	0.440%
141	9.868	9.835	9.893	VV	480598	8757799	38.03%	1.070%

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142	9.907	9.893	9.921	VV	182103	2604080	11.31%	0.318%
143	9.940	9.921	9.953	VV	273152	3940285	17	
144	9.966	9.953	9.978	VV	284973	3627240	15	
145	9.993	9.978	10.015	VV	405536	6291642	27	
146	10.028	10.015	10.050	VV	197815	3581803	15	
147	10.066	10.050	10.089	VV	197186	3694122	16	
148	10.112	10.089	10.136	VV	273742	5897620	25.61%	0.721%
149	10.161	10.136	10.179	VV	244370	5362925	23.29%	0.655%
150	10.209	10.179	10.231	VV	313576	7181008	31.18%	0.878%
151	10.237	10.231	10.255	VV	152549	1984007	8.61%	0.242%
152	10.270	10.255	10.286	VV	157496	2634773	11.44%	0.322%
153	10.307	10.286	10.343	VV	199247	5044042	21.90%	0.616%
154	10.373	10.343	10.424	VV	285474	7627260	33.12%	0.932%
155	10.436	10.424	10.450	VV	91853	1421177	6.17%	0.174%
156	10.474	10.450	10.492	VV	142226	2807802	12.19%	0.343%
157	10.497	10.492	10.507	VV	102922	906128	3.93%	0.111%
158	10.532	10.507	10.565	VV	295728	5515414	23.95%	0.674%
159	10.588	10.565	10.615	VV	207230	4440319	19.28%	0.543%
160	10.644	10.615	10.655	VV	280478	4809558	20.88%	0.588%
161	10.670	10.655	10.693	VV	364103	5671745	24.63%	0.693%
162	10.714	10.693	10.762	VV	481426	8789527	38.17%	1.074%
163	10.788	10.762	10.796	VV	294970	4250695	18.46%	0.519%
164	10.806	10.796	10.831	VV	288995	4797882	20.83%	0.586%
165	10.853	10.831	10.877	VV	269605	5660418	24.58%	0.692%
166	10.889	10.877	10.903	VV	184457	2626315	11.40%	0.321%
167	10.924	10.903	10.940	VV	204716	3920075	17.02%	0.479%
168	10.958	10.940	10.976	VV	243721	3945597	17.13%	0.482%
169	11.012	10.976	11.036	VV	290528	7438362	32.30%	0.909%
170	11.065	11.036	11.085	VV	169164	4389478	19.06%	0.536%
171	11.093	11.085	11.110	VV	140917	1926359	8.36%	0.235%
172	11.156	11.110	11.171	VV	169448	4890371	21.24%	0.598%
173	11.194	11.171	11.215	VV	362519	5819800	25.27%	0.711%
174	11.225	11.215	11.250	VV	139595	2462983	10.69%	0.301%
175	11.272	11.250	11.309	VV	143700	4223698	18.34%	0.516%
176	11.330	11.309	11.349	VV	113152	2382134	10.34%	0.291%
177	11.370	11.349	11.389	VV	146684	2930481	12.72%	0.358%
178	11.409	11.389	11.429	VV	162925	3086784	13.40%	0.377%
179	11.443	11.429	11.457	VV	109236	1723793	7.49%	0.211%
180	11.502	11.457	11.524	VV	230636	5975515	25.95%	0.730%
181	11.550	11.524	11.571	VV	201522	4492739	19.51%	0.549%
182	11.589	11.571	11.635	VV	184113	5559141	24.14%	0.679%
183	11.640	11.635	11.650	VV	113805	986298	4.28%	0.121%
184	11.670	11.650	11.699	VV	172381	4233670	18.38%	0.517%
185	11.718	11.699	11.758	VV	217756	5648159	24.53%	0.690%
186	11.789	11.758	11.810	VV	154027	3517422	15.27%	0.430%
187	11.847	11.810	11.869	VV	212838	4982330	21.63%	0.609%
188	11.882	11.869	11.918	VV	118991	3014887	13.09%	0.368%
189	11.932	11.918	11.940	VV	97188	1218304	5.29%	0.149%
190	11.966	11.940	11.982	VV	419588	5825424	25.30%	0.712%
191	11.998	11.982	12.013	VV	283851	4033467	17.51%	0.493%
192	12.030	12.013	12.066	VV	344532	5305423	23.04%	0.648%
193	12.091	12.066	12.120	VV	124936	3136398	13.62%	0.383%
194	12.147	12.120	12.162	VV	225455	3739472	16.24%	0.457%

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195	12.179	12.162	12.227	VV	213403	4884529	21.21%	0.597%
196	12.249	12.227	12.266	VV	97767	1998731	8	
197	12.295	12.266	12.316	VV	130852	3108679	13	
198	12.335	12.316	12.352	VV	125585	2197417	9	
199	12.365	12.352	12.385	VV	93420	1728047	7	
200	12.399	12.385	12.416	VV	97732	1554834	6	
201	12.434	12.416	12.450	VV	82170	1583057	6.87%	0.193%
202	12.470	12.450	12.481	VV	77245	1354800	5.88%	0.166%
203	12.497	12.481	12.512	VV	103024	1622540	7.05%	0.198%
204	12.531	12.512	12.545	VV	116517	1939182	8.42%	0.237%
205	12.559	12.545	12.582	VV	123385	2064035	8.96%	0.252%
206	12.612	12.582	12.630	VV	88682	2020103	8.77%	0.247%
207	12.644	12.630	12.658	VV	72140	1131377	4.91%	0.138%
208	12.675	12.658	12.704	VV	79639	1950058	8.47%	0.238%
209	12.716	12.704	12.724	VV	78254	900415	3.91%	0.110%
210	12.740	12.724	12.765	VV	101559	1969253	8.55%	0.241%
211	12.787	12.765	12.827	VV	148333	3655432	15.87%	0.447%
212	12.839	12.827	12.845	VV	60174	611654	2.66%	0.075%
213	12.863	12.845	12.874	VV	72708	1158696	5.03%	0.142%
214	12.898	12.874	12.917	VV	196295	3284655	14.26%	0.401%
215	12.931	12.917	12.948	VV	118664	1822210	7.91%	0.223%
216	12.958	12.948	12.990	VV	92429	1745756	7.58%	0.213%
217	13.009	12.990	13.026	VV	90012	1485480	6.45%	0.182%
218	13.032	13.026	13.056	VV	65120	1005790	4.37%	0.123%
219	13.065	13.056	13.080	VV	41863	588686	2.56%	0.072%
220	13.113	13.080	13.120	VV	48436	1071542	4.65%	0.131%
221	13.136	13.120	13.155	VV	58816	1049881	4.56%	0.128%
222	13.168	13.155	13.183	VV	41880	644712	2.80%	0.079%
223	13.203	13.183	13.219	VV	47207	911366	3.96%	0.111%
224	13.232	13.219	13.244	VV	41046	592629	2.57%	0.072%
225	13.257	13.244	13.285	VV	42403	944364	4.10%	0.115%
226	13.306	13.285	13.332	VV	61039	1243867	5.40%	0.152%
227	13.338	13.332	13.357	VV	34873	491409	2.13%	0.060%
228	13.398	13.357	13.428	VV	108339	2352598	10.22%	0.288%
229	13.450	13.428	13.470	VV	48952	1057469	4.59%	0.129%
230	13.481	13.470	13.506	VV	39376	763653	3.32%	0.093%
231	13.516	13.506	13.537	VV	33613	549326	2.39%	0.067%
232	13.595	13.537	13.619	VV	49940	1716739	7.45%	0.210%
233	13.639	13.619	13.685	VV	57210	1352476	5.87%	0.165%
234	13.706	13.685	13.720	VV	38370	622508	2.70%	0.076%
235	13.737	13.720	13.760	VV	38249	729307	3.17%	0.089%
236	13.789	13.760	13.806	VV	37585	795265	3.45%	0.097%
237	13.812	13.806	13.839	VV	26657	461485	2.00%	0.056%
238	13.856	13.839	13.875	VV	24351	481382	2.09%	0.059%
239	13.893	13.875	13.934	VV	27310	742927	3.23%	0.091%
240	13.938	13.934	13.965	VV	16741	297595	1.29%	0.036%
241	13.969	13.965	13.982	VV	14591	140052	0.61%	0.017%
242	14.007	13.982	14.027	VV	18866	447865	1.94%	0.055%
243	14.043	14.027	14.059	VV	20083	339616	1.47%	0.042%
244	14.089	14.059	14.119	VV	19588	612434	2.66%	0.075%
245	14.127	14.119	14.140	VV	13465	159821	0.69%	0.020%
246	14.171	14.140	14.195	VV	21042	527347	2.29%	0.064%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

247	14.213	14.195	14.232	VV	15247	287796	1.25%	0.035%
248	14.256	14.232	14.324	VV	11109	546729	2	
249	14.353	14.324	14.357	VV	9917	168306	0	
250	14.367	14.357	14.430	VV	10146	366940	1	
251	14.458	14.430	14.476	VV	8576	215437	0	
252	14.482	14.476	14.492	VV	7213	68441	0	
253	14.513	14.492	14.539	VV	10695	229648	1.00%	0.028%
254	14.547	14.539	14.553	VV	6267	50771	0.22%	0.006%
255	14.587	14.553	14.610	VV	8128	242277	1.05%	0.030%
256	14.616	14.610	14.682	VV	7547	252840	1.10%	0.031%
257	14.714	14.682	14.745	VV	7616	242179	1.05%	0.030%
258	14.755	14.745	14.787	VV	5676	127153	0.55%	0.016%
259	14.808	14.787	14.823	VV	5714	113006	0.49%	0.014%
260	14.836	14.823	14.856	VV	5969	106325	0.46%	0.013%
261	14.872	14.856	14.890	VV	5558	97301	0.42%	0.012%
262	14.903	14.890	14.946	VV	4093	120105	0.52%	0.015%
263	14.964	14.946	14.972	VV	3197	47246	0.21%	0.006%
264	14.999	14.972	15.020	VV	3957	98769	0.43%	0.012%
265	15.033	15.020	15.052	VV	3411	59291	0.26%	0.007%
266	15.070	15.052	15.088	VV	2898	57122	0.25%	0.007%
267	15.094	15.088	15.129	VV	2207	51973	0.23%	0.006%
268	15.154	15.129	15.167	VV	2168	45916	0.20%	0.006%
269	15.184	15.167	15.200	VV	3029	48482	0.21%	0.006%
270	15.222	15.200	15.238	VV	3191	59145	0.26%	0.007%
271	15.256	15.238	15.281	VV	3994	72248	0.31%	0.009%
272	15.299	15.281	15.317	VV	2263	40182	0.17%	0.005%
273	15.342	15.317	15.365	VV	2202	54048	0.23%	0.007%
274	15.376	15.365	15.382	VV	1884	18495	0.08%	0.002%
275	15.387	15.382	15.414	VV	1872	32358	0.14%	0.004%
276	15.423	15.414	15.460	VV	1550	36071	0.16%	0.004%
277	15.466	15.460	15.470	VV	1111	6158	0.03%	0.001%
278	15.490	15.470	15.519	VV	1779	37838	0.16%	0.005%
279	15.532	15.519	15.537	VV	827	8478	0.04%	0.001%
280	15.543	15.537	15.577	VV	902	18597	0.08%	0.002%
281	15.633	15.577	15.685	VV	9825	199780	0.87%	0.024%
282	15.695	15.685	15.718	VV	1419	22039	0.10%	0.003%
283	15.724	15.718	15.747	VV	770	12064	0.05%	0.001%
284	15.788	15.747	15.828	VV	2424	71647	0.31%	0.009%
285	15.833	15.828	15.837	VV	680	3701	0.02%	0.000%
286	15.857	15.837	15.877	VV	1731	26314	0.11%	0.003%
287	15.892	15.877	15.940	VV	904	22905	0.10%	0.003%
288	15.989	15.940	16.054	VV	1116	48098	0.21%	0.006%
289	16.059	16.054	16.065	VV	412	2793	0.01%	0.000%
290	16.093	16.065	16.114	VV	788	16511	0.07%	0.002%
291	16.145	16.114	16.165	VV	645	16192	0.07%	0.002%
292	16.171	16.165	16.215	VV	468	10170	0.04%	0.001%
293	16.238	16.215	16.255	VV	713	11906	0.05%	0.001%
294	16.278	16.255	16.315	VV	2520	38482	0.17%	0.005%
295	16.333	16.315	16.359	VV	590	9626	0.04%	0.001%
296	16.362	16.359	16.400	VV	269	3065	0.01%	0.000%
297	16.420	16.400	16.432	PV	223	2541	0.01%	0.000%
298	16.457	16.432	16.483	VV	441	8882	0.04%	0.001%
299	16.490	16.483	16.509	VV	314	3368	0.01%	0.000%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.525	16.509	16.537	VV	171	1742	0.01%	0.000%
301	16.565	16.537	16.581	VV	351	5311		
302	16.607	16.581	16.617	VV	219	3748		
303	16.649	16.625	16.693	VV	1127	21875		
304	16.761	16.713	16.797	VV	1593	30767		
305	16.842	16.797	16.868	VV	2568	34997		
306	16.892	16.868	16.915	VV	490	8166	0.04%	0.001%
307	16.921	16.915	16.930	VV	198	1555	0.01%	0.000%
308	16.942	16.930	16.952	VV	192	1972	0.01%	0.000%
309	16.979	16.952	16.999	VV	287	6108	0.03%	0.001%
310	17.060	17.010	17.086	VV	709	13573	0.06%	0.002%
311	17.119	17.086	17.161	VV	781	16735	0.07%	0.002%
312	17.167	17.161	17.173	VV	302	1951	0.01%	0.000%
313	17.196	17.173	17.207	VV	752	11345	0.05%	0.001%
314	17.225	17.207	17.252	VV	2259	34359	0.15%	0.004%
315	17.277	17.252	17.321	VV	1270	21879	0.10%	0.003%
316	17.345	17.321	17.353	VV	238	3306	0.01%	0.000%
317	17.360	17.353	17.379	VV	202	2075	0.01%	0.000%
318	17.427	17.406	17.434	PV	151	1268	0.01%	0.000%
319	17.459	17.446	17.464	PV	141	1021	0.00%	0.000%
320	17.472	17.464	17.496	VV	215	2840	0.01%	0.000%
321	17.555	17.496	17.560	VV	342	6198	0.03%	0.001%
322	17.565	17.560	17.572	VV	321	2003	0.01%	0.000%
323	17.591	17.572	17.632	VV	561	13618	0.06%	0.002%
324	17.650	17.632	17.655	VV	386	3980	0.02%	0.000%
325	17.677	17.655	17.711	VV	1751	26198	0.11%	0.003%
326	17.781	17.740	17.787	VV	236	3855	0.02%	0.000%
327	17.789	17.787	17.809	VV	231	1502	0.01%	0.000%
328	17.856	17.834	17.875	VV	245	3395	0.01%	0.000%
329	17.904	17.882	17.931	VV	351	5131	0.02%	0.001%
330	17.964	17.931	17.967	VV	222	3278	0.01%	0.000%
331	17.972	17.967	17.984	VV	271	1889	0.01%	0.000%
332	18.115	18.002	18.143	VV	2657	50648	0.22%	0.006%
333	18.205	18.143	18.231	VV	1302	18312	0.08%	0.002%

Sum of corrected areas: 818251698

Aromatic EPH 102124.M Thu Oct 31 07:12:20 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-6DL		SDG No.:	P4599	
Lab Sample ID:	P4599-06DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.2	
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
FE050952.D	25	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	130		11.5	30.4	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	273		7.29	20.3	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	138		9.12	30.4	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.52	J	24.3	40.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.7	U	54.7	60.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.03		40 - 140	52%	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:	P4599-06DL	Acq On:	31 Oct 2024 19:35
Client Sample ID:	EX-1-TPH-6DL	Operator:	YP\AJ
Data file:	FE050952.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	9183734	64.267	300	ug/ml
Aliphatic C12-C16	6.762	10.193	19610757	135.136	200	ug/ml
Aliphatic C16-C21	10.194	13.552	9902594	68.577	300	ug/ml
Aliphatic C21-C28	13.553	17.208	667641	4.697	400	ug/ml
Aliphatic C28-C40	17.209	22.054	341764	2.471	600	ug/ml
Aliphatic EPH	3.144	22.054	39706490	275.148		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	122211	1.03		ug/ml
Aliphatic C9-C28	3.144	17.208	39364726	272.677	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050952.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 19:35
Operator : YP\AJ
Sample : P4599-06DL 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:44:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.288	122211	1.033 ug/mlm
Spiked Amount 50.000		Recovery =	2.07%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050952.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 19:35
Operator : YP\AJ
Sample : P4599-06DL 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

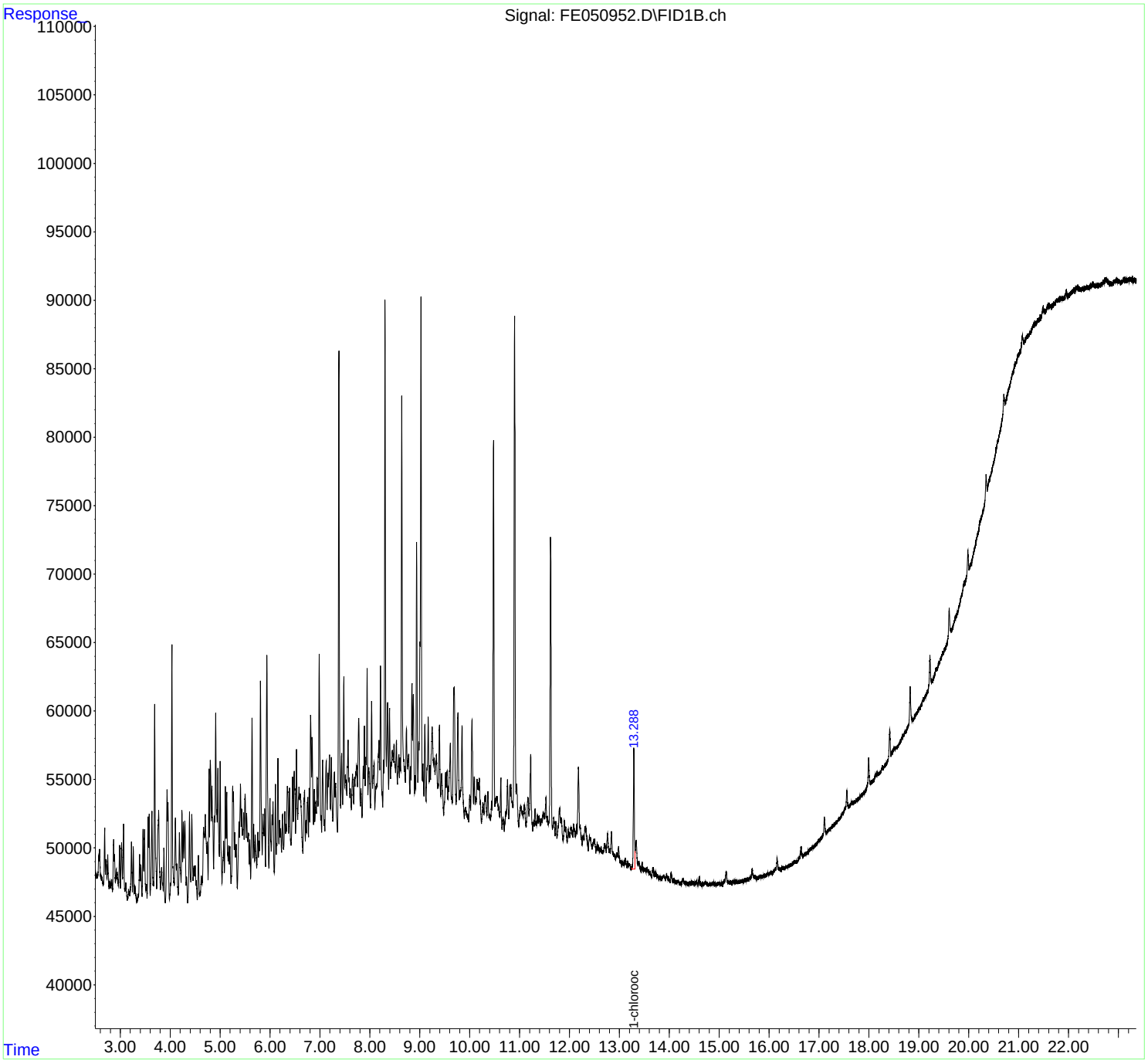
Integration File: autoint1.e
Quant Time: Nov 01 03:44:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

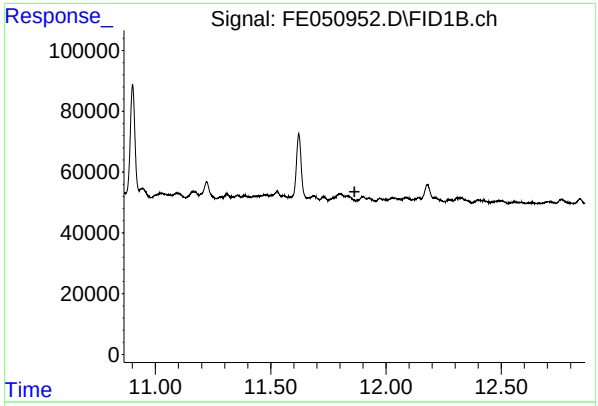
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024





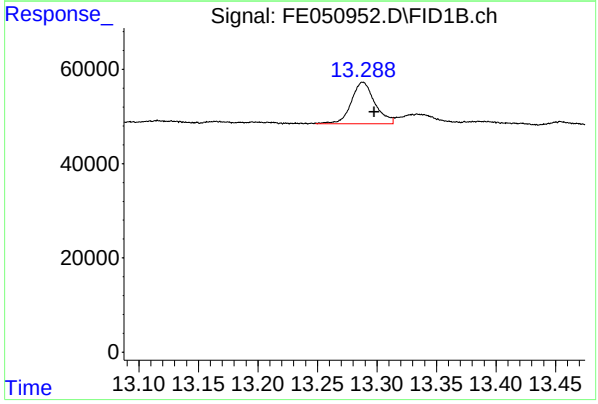
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 mi
Response: 0
Conc: N.D.

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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.009 min
Response: 122211
Conc: 1.03 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050952.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 19:35
Sample : P4599-06DL 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.295	3.280	3.333	PV	583	7192	0.75%	0.018%
2	3.386	3.333	3.401	PV	3409	46460	4.82%	0.116%
3	3.413	3.401	3.433	VV	2632	32515	3.38%	0.082%
4	3.454	3.433	3.469	VV	5225	61340	6.37%	0.154%
5	3.485	3.469	3.513	VV	5181	73557	7.64%	0.184%
6	3.523	3.513	3.535	VV	1261	12084	1.25%	0.030%
7	3.556	3.535	3.566	VV	6178	65206	6.77%	0.163%
8	3.577	3.566	3.601	VV	6382	73920	7.67%	0.185%
9	3.633	3.601	3.666	VV	6541	111540	11.58%	0.280%
10	3.688	3.666	3.729	VV	14262	200284	20.79%	0.502%
11	3.768	3.729	3.805	VV	6586	163182	16.94%	0.409%
12	3.827	3.805	3.857	VV	2430	49520	5.14%	0.124%
13	3.874	3.857	3.900	VV	3878	40372	4.19%	0.101%
14	3.937	3.900	3.948	PV	8034	107127	11.12%	0.269%
15	3.955	3.948	3.984	VV	7116	80380	8.34%	0.201%
16	4.034	3.984	4.080	VV	18623	246014	25.54%	0.617%
17	4.103	4.080	4.126	VV	5950	96407	10.01%	0.242%
18	4.133	4.126	4.161	VV	2731	34888	3.62%	0.087%
19	4.184	4.161	4.216	VV	4977	86443	8.97%	0.217%
20	4.236	4.216	4.250	VV	6666	82343	8.55%	0.206%
21	4.264	4.250	4.277	VV	5790	72667	7.54%	0.182%
22	4.294	4.277	4.349	VV	5759	115017	11.94%	0.288%
23	4.386	4.349	4.414	PV	6567	98133	10.19%	0.246%
24	4.433	4.414	4.458	VV	6224	97379	10.11%	0.244%
25	4.474	4.458	4.488	VV	2522	37676	3.91%	0.094%
26	4.501	4.488	4.541	VV	2593	48190	5.00%	0.121%
27	4.564	4.541	4.602	VV	3198	49928	5.18%	0.125%
28	4.623	4.602	4.635	VV	1748	24326	2.53%	0.061%
29	4.670	4.635	4.688	VV	5224	111281	11.55%	0.279%
30	4.702	4.688	4.732	VV	6295	130644	13.56%	0.327%
31	4.743	4.732	4.759	VV	4276	53567	5.56%	0.134%
32	4.776	4.759	4.788	VV	9500	103443	10.74%	0.259%
33	4.804	4.788	4.823	VV	10126	169508	17.60%	0.425%
34	4.835	4.823	4.869	VV	8320	168570	17.50%	0.423%
35	4.911	4.869	4.940	VV	13602	302738	31.43%	0.759%
36	4.955	4.940	4.983	VV	9629	163861	17.01%	0.411%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

37	5.001	4.983	5.039	VV	10177	166420	17.28%	0.417%
38	5.071	5.039	5.086	VV	4297	83118	8	
39	5.105	5.086	5.120	VV	8303	110364	11	
40	5.133	5.120	5.160	VV	7925	119877	12	
41	5.172	5.160	5.184	VV	3943	49013	5	
42	5.197	5.184	5.219	VV	3839	55749	5	
43	5.252	5.219	5.282	VV	8295	195604	20.31%	0.490%
44	5.291	5.282	5.307	VV	4886	61110	6.34%	0.153%
45	5.322	5.307	5.344	VV	3956	64875	6.73%	0.163%
46	5.377	5.344	5.386	VV	5679	87689	9.10%	0.220%
47	5.408	5.386	5.422	VV	8427	141416	14.68%	0.355%
48	5.431	5.422	5.455	VV	6613	106699	11.08%	0.267%
49	5.470	5.455	5.482	VV	6356	89497	9.29%	0.224%
50	5.501	5.482	5.519	VV	7730	137504	14.27%	0.345%
51	5.531	5.519	5.556	VV	6255	118613	12.31%	0.297%
52	5.567	5.556	5.582	VV	4834	62592	6.50%	0.157%
53	5.594	5.582	5.612	VV	4299	57703	5.99%	0.145%
54	5.640	5.612	5.659	VV	13224	189860	19.71%	0.476%
55	5.672	5.659	5.689	VV	5406	72995	7.58%	0.183%
56	5.704	5.689	5.734	VV	4656	92024	9.55%	0.231%
57	5.755	5.734	5.769	VV	4859	80583	8.37%	0.202%
58	5.781	5.769	5.788	VV	4259	42309	4.39%	0.106%
59	5.809	5.788	5.844	VV	15937	274509	28.50%	0.688%
60	5.859	5.844	5.879	VV	6063	107633	11.17%	0.270%
61	5.892	5.879	5.908	VV	6613	85708	8.90%	0.215%
62	5.937	5.908	5.976	VV	17779	349908	36.32%	0.877%
63	5.998	5.976	6.025	VV	7301	134810	13.99%	0.338%
64	6.060	6.025	6.085	VV	7051	173014	17.96%	0.434%
65	6.109	6.085	6.125	VV	8323	116452	12.09%	0.292%
66	6.159	6.125	6.179	VV	10262	189772	19.70%	0.476%
67	6.191	6.179	6.202	VV	5742	71778	7.45%	0.180%
68	6.212	6.202	6.230	VV	5049	74591	7.74%	0.187%
69	6.249	6.230	6.272	VV	6116	117788	12.23%	0.295%
70	6.297	6.272	6.311	VV	6347	119235	12.38%	0.299%
71	6.348	6.311	6.373	VV	8139	237458	24.65%	0.595%
72	6.393	6.373	6.420	VV	8056	161775	16.79%	0.406%
73	6.452	6.420	6.469	VV	8875	186222	19.33%	0.467%
74	6.485	6.469	6.512	VV	9182	192599	19.99%	0.483%
75	6.530	6.512	6.555	VV	10833	196451	20.39%	0.492%
76	6.581	6.555	6.594	VV	8060	171208	17.77%	0.429%
77	6.605	6.594	6.657	VV	7521	219540	22.79%	0.550%
78	6.691	6.657	6.709	VV	7826	186276	19.34%	0.467%
79	6.720	6.709	6.730	VV	5530	63857	6.63%	0.160%
80	6.754	6.730	6.770	VV	7279	149834	15.55%	0.376%
81	6.784	6.770	6.795	VV	7959	96162	9.98%	0.241%
82	6.814	6.795	6.834	VV	13229	237410	24.65%	0.595%
83	6.845	6.834	6.871	VV	11682	192359	19.97%	0.482%
84	6.885	6.871	6.899	VV	7842	110535	11.47%	0.277%
85	6.919	6.899	6.928	VV	7006	111680	11.59%	0.280%
86	6.944	6.928	6.963	VV	8727	157878	16.39%	0.396%
87	6.986	6.963	7.034	VV	17799	399910	41.51%	1.002%
88	7.054	7.034	7.098	VV	10002	265246	27.53%	0.665%
89	7.126	7.098	7.144	VV	9893	216882	22.51%	0.544%

Instrument :
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EX-1-TPH-6DL

Manual IntegrationsAPPROVED

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rteres

90	7.190	7.144	7.209	VV	10331	329273	34.18%	0.825%
91	7.229	7.209	7.259	VV	10226	232385	24	
92	7.289	7.259	7.303	VV	9117	196656	20	
93	7.315	7.303	7.351	VV	8253	192667	20	
94	7.380	7.351	7.415	VV	39932	621183	64	
95	7.434	7.415	7.456	VV	10405	207606	21	
96	7.479	7.456	7.498	VV	15972	276753	28.73%	0.694%
97	7.509	7.498	7.536	VV	8838	187674	19.48%	0.470%
98	7.565	7.536	7.600	VV	11371	346669	35.99%	0.869%
99	7.610	7.600	7.629	VV	7859	128601	13.35%	0.322%
100	7.654	7.629	7.677	VV	8888	222996	23.15%	0.559%
101	7.733	7.677	7.754	VV	9542	396502	41.16%	0.994%
102	7.778	7.754	7.809	VV	12949	330658	34.33%	0.829%
103	7.823	7.809	7.845	VV	7825	151651	15.74%	0.380%
104	7.868	7.845	7.876	VV	9481	145642	15.12%	0.365%
105	7.891	7.876	7.908	VV	12405	191580	19.89%	0.480%
106	7.946	7.908	7.964	VV	16612	370446	38.46%	0.929%
107	7.981	7.964	8.013	VV	9321	241689	25.09%	0.606%
108	8.036	8.013	8.056	VV	14127	261883	27.19%	0.656%
109	8.083	8.056	8.102	VV	9763	233716	24.26%	0.586%
110	8.183	8.102	8.197	VV	11262	503887	52.31%	1.263%
111	8.215	8.197	8.258	VV	16663	377718	39.21%	0.947%
112	8.305	8.258	8.332	VV	43322	745013	77.34%	1.868%
113	8.354	8.332	8.377	VV	14032	299737	31.12%	0.751%
114	8.395	8.377	8.416	VV	13558	245251	25.46%	0.615%
115	8.449	8.416	8.469	VV	10484	313454	32.54%	0.786%
116	8.484	8.469	8.518	VV	10926	291425	30.25%	0.731%
117	8.533	8.518	8.553	VV	11214	206184	21.40%	0.517%
118	8.580	8.553	8.593	VV	10251	222225	23.07%	0.557%
119	8.606	8.593	8.616	VV	9979	129470	13.44%	0.325%
120	8.640	8.616	8.714	VV	36308	845565	87.78%	2.120%
121	8.733	8.714	8.754	VV	11962	247461	25.69%	0.620%
122	8.776	8.754	8.801	VV	10209	264837	27.49%	0.664%
123	8.843	8.801	8.856	VV	15307	348324	36.16%	0.873%
124	8.871	8.856	8.896	VV	14594	285566	29.64%	0.716%
125	8.909	8.896	8.917	VV	8644	102593	10.65%	0.257%
126	8.938	8.917	8.963	VV	25661	413650	42.94%	1.037%
127	9.026	8.963	9.052	VV	43431	963314	100.00%	2.415%
128	9.065	9.052	9.083	VV	9461	158805	16.49%	0.398%
129	9.103	9.083	9.126	VV	12427	242667	25.19%	0.608%
130	9.171	9.126	9.189	VV	12931	364261	37.81%	0.913%
131	9.203	9.189	9.216	VV	9403	140084	14.54%	0.351%
132	9.248	9.216	9.276	VV	12160	384349	39.90%	0.963%
133	9.291	9.276	9.308	VV	9910	181293	18.82%	0.454%
134	9.335	9.308	9.364	VV	10169	308546	32.03%	0.773%
135	9.395	9.364	9.421	VV	12219	315764	32.78%	0.792%
136	9.439	9.421	9.479	VV	8694	262770	27.28%	0.659%
137	9.517	9.479	9.530	VV	8791	225626	23.42%	0.566%
138	9.545	9.530	9.563	VV	8895	158162	16.42%	0.396%
139	9.612	9.563	9.649	VV	10897	427762	44.41%	1.072%
140	9.686	9.649	9.729	VV	14903	499783	51.88%	1.253%
141	9.765	9.729	9.794	VV	13128	362798	37.66%	0.909%

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142	9.805	9.794	9.814	VV	7409	86071	8.93%	0.216%
143	9.847	9.814	9.892	VV	12154	378925	39	
144	9.920	9.892	9.962	VV	6182	247079	25	
145	9.972	9.962	9.982	VV	5609	64664	6	
146	10.002	9.982	10.020	VV	7067	147669	15	
147	10.046	10.020	10.077	VV	12585	315419	32	
148	10.092	10.077	10.111	VV	8440	150455	15.62%	0.377%
149	10.150	10.111	10.162	VV	8163	223808	23.23%	0.561%
150	10.172	10.162	10.184	VV	7948	104031	10.80%	0.261%
151	10.194	10.184	10.236	VV	8239	209721	21.77%	0.526%
152	10.266	10.236	10.283	VV	6480	168497	17.49%	0.422%
153	10.321	10.283	10.348	VV	7053	247628	25.71%	0.621%
154	10.367	10.348	10.394	VV	7224	175213	18.19%	0.439%
155	10.402	10.394	10.419	VV	5580	82694	8.58%	0.207%
156	10.479	10.419	10.508	VV	32978	678810	70.47%	1.702%
157	10.539	10.508	10.603	VV	6929	365896	37.98%	0.917%
158	10.626	10.603	10.648	VV	8249	174894	18.16%	0.438%
159	10.666	10.648	10.693	VV	5332	134578	13.97%	0.337%
160	10.759	10.693	10.786	VV	8172	337794	35.07%	0.847%
161	10.807	10.786	10.817	VV	7733	122885	12.76%	0.308%
162	10.828	10.817	10.871	VV	7809	223669	23.22%	0.561%
163	10.901	10.871	10.931	VV	42011	709187	73.62%	1.778%
164	10.943	10.931	10.984	VV	7833	204811	21.26%	0.513%
165	11.022	10.984	11.070	VV	6169	294037	30.52%	0.737%
166	11.090	11.070	11.131	VV	6232	210072	21.81%	0.527%
167	11.166	11.131	11.189	VV	6790	204992	21.28%	0.514%
168	11.222	11.189	11.268	VV	9997	308261	32.00%	0.773%
169	11.282	11.268	11.290	VV	4963	65741	6.82%	0.165%
170	11.310	11.290	11.340	VV	5862	155746	16.17%	0.390%
171	11.358	11.340	11.373	VV	5528	102787	10.67%	0.258%
172	11.388	11.373	11.413	VV	5316	125964	13.08%	0.316%
173	11.475	11.413	11.495	VV	5696	258931	26.88%	0.649%
174	11.528	11.495	11.546	VV	6775	178772	18.56%	0.448%
175	11.555	11.546	11.571	VV	5360	78113	8.11%	0.196%
176	11.622	11.571	11.658	VV	25763	540032	56.06%	1.354%
177	11.686	11.658	11.712	VV	5326	152919	15.87%	0.383%
178	11.729	11.712	11.748	VV	4960	97313	10.10%	0.244%
179	11.801	11.748	11.870	VV	5919	353226	36.67%	0.885%
180	11.900	11.870	11.953	VV	5081	212523	22.06%	0.533%
181	11.974	11.953	12.008	VV	4416	132277	13.73%	0.332%
182	12.038	12.008	12.067	VV	4510	151337	15.71%	0.379%
183	12.086	12.067	12.111	VV	4756	115793	12.02%	0.290%
184	12.141	12.111	12.152	VV	4681	105889	10.99%	0.265%
185	12.179	12.152	12.253	VV	8930	318614	33.07%	0.799%
186	12.272	12.253	12.291	VV	3924	84585	8.78%	0.212%
187	12.326	12.291	12.375	VV	4501	197486	20.50%	0.495%
188	12.399	12.375	12.454	VV	3890	164259	17.05%	0.412%
189	12.498	12.454	12.528	VV	3631	146718	15.23%	0.368%
190	12.559	12.528	12.575	VV	3287	85489	8.87%	0.214%
191	12.587	12.575	12.611	VV	3069	61963	6.43%	0.155%
192	12.633	12.611	12.668	VV	3022	96175	9.98%	0.241%
193	12.706	12.668	12.737	VV	3315	122333	12.70%	0.307%
194	12.761	12.737	12.792	VV	4026	111597	11.58%	0.280%

Instrument :
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rteres

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195	12.799	12.792	12.814	VV	2882	36372	3.78%	0.091%
196	12.841	12.814	12.887	VV	4161	132632	13	
197	12.900	12.887	12.924	VV	2473	53189	5	
198	12.951	12.924	12.968	VV	2541	62800	6	
199	12.983	12.968	13.044	VV	2891	102861	10	
200	13.059	13.044	13.088	VV	1937	47278	4	
201	13.116	13.088	13.150	VV	2086	69518	7.22%	0.174%
202	13.165	13.150	13.181	VV	1951	33000	3.43%	0.083%
203	13.197	13.181	13.241	VV	1747	58254	6.05%	0.146%
204	13.288	13.241	13.314	VV	10238	184747	19.18%	0.463%
205	13.334	13.314	13.370	VV	3442	89591	9.30%	0.225%
206	13.386	13.370	13.435	VV	1873	62653	6.50%	0.157%
207	13.454	13.435	13.484	VV	1861	43325	4.50%	0.109%
208	13.496	13.484	13.508	VV	1350	18425	1.91%	0.046%
209	13.514	13.508	13.536	VV	1396	22475	2.33%	0.056%
210	13.554	13.536	13.573	VV	1393	28256	2.93%	0.071%
211	13.582	13.573	13.600	VV	1230	18513	1.92%	0.046%
212	13.615	13.600	13.643	VV	1133	26086	2.71%	0.065%
213	13.675	13.643	13.699	VV	1442	37319	3.87%	0.094%
214	13.724	13.699	13.788	VV	1064	46764	4.85%	0.117%
215	13.811	13.788	13.848	VV	758	24042	2.50%	0.060%
216	13.888	13.848	13.918	VV	830	30656	3.18%	0.077%
217	13.947	13.918	13.974	VV	929	24195	2.51%	0.061%
218	13.990	13.974	14.016	VV	653	13621	1.41%	0.034%
219	14.039	14.016	14.144	VV	1025	38848	4.03%	0.097%
220	14.170	14.144	14.228	VV	425	16026	1.66%	0.040%
221	14.270	14.228	14.306	VV	525	16687	1.73%	0.042%
222	14.328	14.306	14.391	VV	344	12103	1.26%	0.030%
223	14.454	14.391	14.498	VV	289	14987	1.56%	0.038%
224	14.510	14.498	14.538	VV	273	5218	0.54%	0.013%
225	14.552	14.538	14.573	VV	311	4956	0.51%	0.012%
226	14.601	14.573	14.654	VV	647	12608	1.31%	0.032%
227	14.666	14.654	14.694	VV	287	4159	0.43%	0.010%
228	14.725	14.694	14.734	VV	234	4994	0.52%	0.013%
229	14.740	14.734	14.784	VV	209	4029	0.42%	0.010%
230	14.796	14.784	14.818	VV	86	1388	0.14%	0.003%
231	14.824	14.818	14.834	VV	150	1024	0.11%	0.003%
232	14.849	14.834	14.863	VV	164	2013	0.21%	0.005%
233	14.893	14.863	14.938	VV	214	4741	0.49%	0.012%
234	15.043	14.938	15.055	PV	138	6425	0.67%	0.016%
235	15.095	15.055	15.107	VV	301	4661	0.48%	0.012%
236	15.138	15.107	15.200	VV	901	19621	2.04%	0.049%
237	15.212	15.200	15.224	VV	147	1687	0.18%	0.004%
238	15.232	15.224	15.250	VV	165	1518	0.16%	0.004%
239	15.289	15.250	15.301	VV	186	3714	0.39%	0.009%
240	15.317	15.301	15.361	VV	174	4482	0.47%	0.011%
241	15.369	15.361	15.378	PV	49	490	0.05%	0.001%
242	15.395	15.378	15.402	VV	100	966	0.10%	0.002%
243	15.442	15.402	15.461	VV	114	2116	0.22%	0.005%
244	15.468	15.461	15.494	PV	100	1330	0.14%	0.003%
245	15.517	15.494	15.528	VV	155	1994	0.21%	0.005%
246	15.551	15.528	15.597	VV	136	4243	0.44%	0.011%

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247	15.619	15.597	15.631	VV	223	3291	0.34%	0.008%
248	15.660	15.631	15.697	VV	808	15651	1	
249	15.727	15.697	15.742	VV	248	4852	0	
250	15.750	15.742	15.774	VV	106	1258	0	
251	15.855	15.774	15.870	PV	130	4106	0	
252	16.035	15.870	16.064	PV	148	7713	0	
253	16.159	16.064	16.235	PV	990	27667	2.87%	0.069%
254	16.297	16.235	16.314	PV	163	5588	0.58%	0.014%
255	16.641	16.314	16.673	PV	808	22274	2.31%	0.056%
256	17.106	16.673	17.143	VV	1951	128761	13.37%	0.323%
257	17.557	17.143	17.601	VV	2830	341764	35.48%	0.857%

Sum of corrected areas: 39891239

Aliphatic EPH 100824.M Fri Nov 01 09:09:41 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-6DL		SDG No.:	P4599	
Lab Sample ID:	P4599-06DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.2	
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
FG014610.D	10	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	60.9		3.65	8.10	mg/kg
Aromatic C12-C16	Aromatic C12-C16	189		4.13	12.2	mg/kg
Aromatic C16-C21	Aromatic C16-C21	248		11.7	20.3	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.3	U	24.3	32.4	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	8.22		40 - 140	164%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	7.31		40 - 140	146%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.92		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:	P4599-06DL	Acq On:	31 Oct 2024 14:41
Client Sample ID:	EX-1-TPH-6DL	Operator:	YP\AJ
Data file:	FG014610.D	Misc:	
Instrument:	FID_G	ALS Vial:	44
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	10485488	75.167	200	ug/ml
Aromatic C12-C16	6.386	9.086	34050697	234.101	300	ug/ml
Aromatic C16-C21	9.087	13.404	44404412	306.603	500	ug/ml
Aromatic C21-C36	13.405	18.847	1706735	12.008	800	ug/ml
Aromatic EPH	4.516	18.847	90647332	627.878		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	432973	2.92		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	1032049	8.22		ug/ml
2-Flurobiphenyl (SURR)	8.884	8.884	629401	7.31		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014610.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 14:41
Operator : YP\AJ
Sample : P4599-06DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:26:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.010	1032049	8.221 ug/mlm
Spiked Amount 50.000		Recovery =	16.44%
6) S 2-Flurobiphenyl (SURR)	8.884	629401	7.307 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	14.61%
11) S ortho-Terphenyl (SURR)	11.953	432973	2.924 ug/mlm
Spiked Amount 50.000		Recovery =	5.85%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014610.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 14:41
Operator : YP\AJ
Sample : P4599-06DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

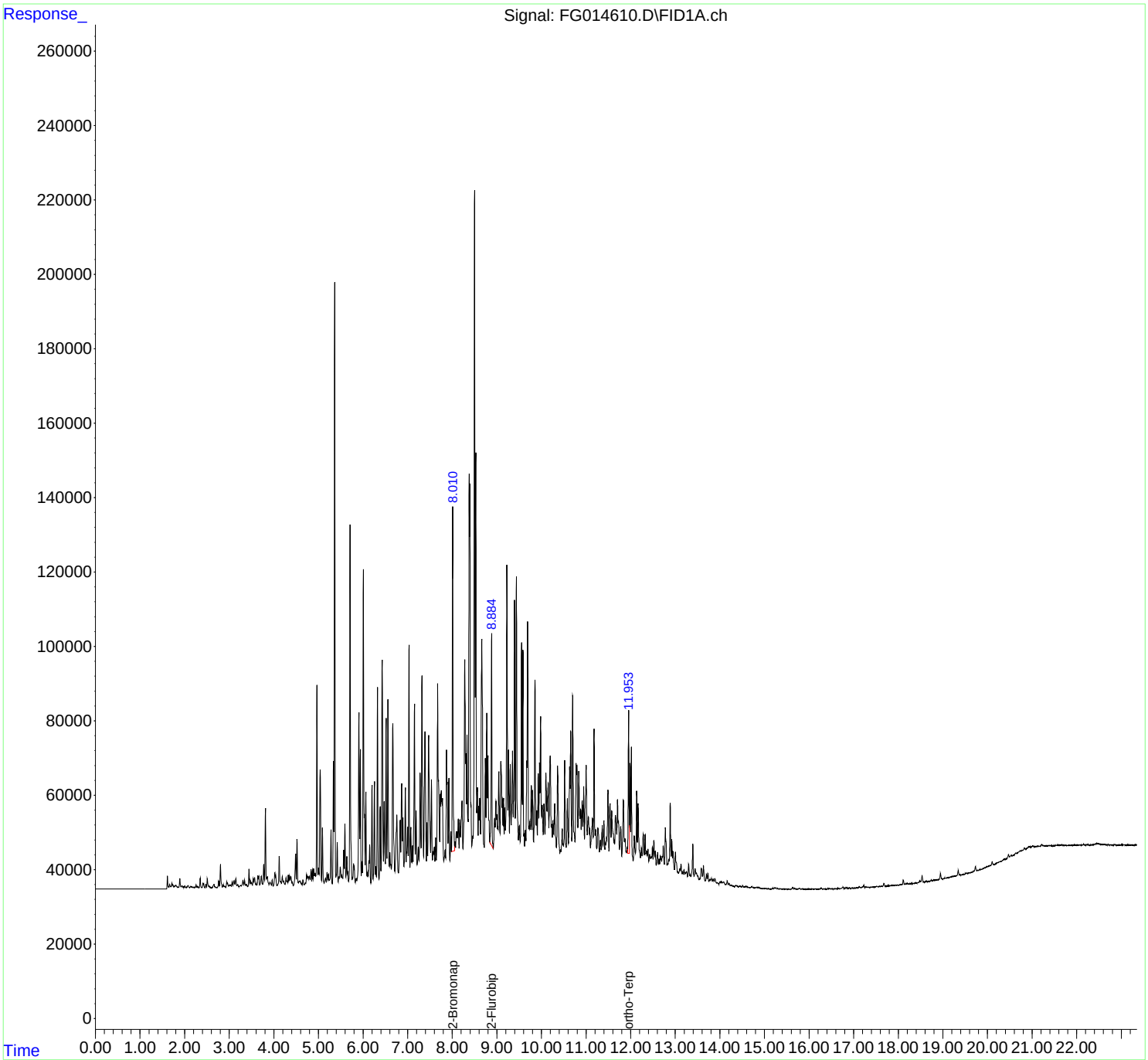
Integration File: autoint1.e
Quant Time: Nov 01 01:26:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

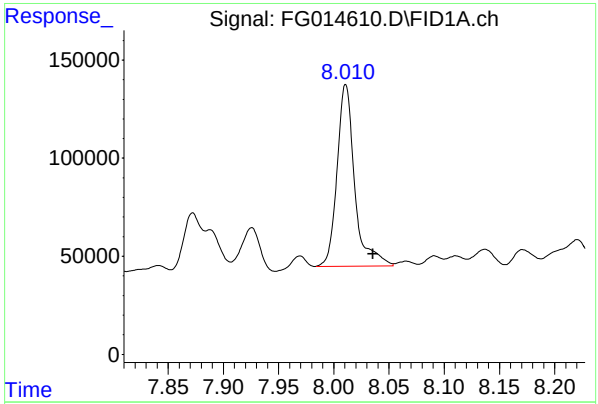
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

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

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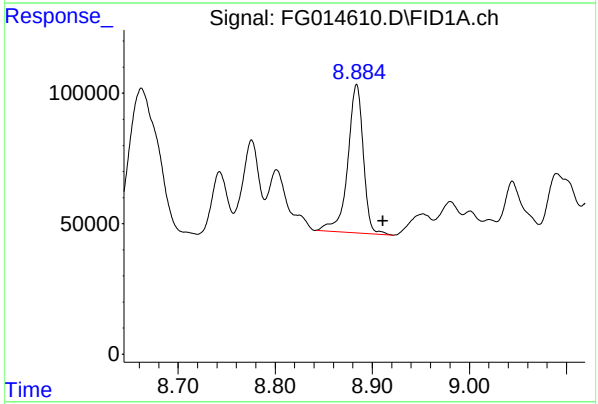
#4 2-Bromonaphthalene (SURR)

R.T.: 8.010 min
Delta R.T.: -0.025 min
Response: 1032049
Conc: 8.22 ug/ml

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

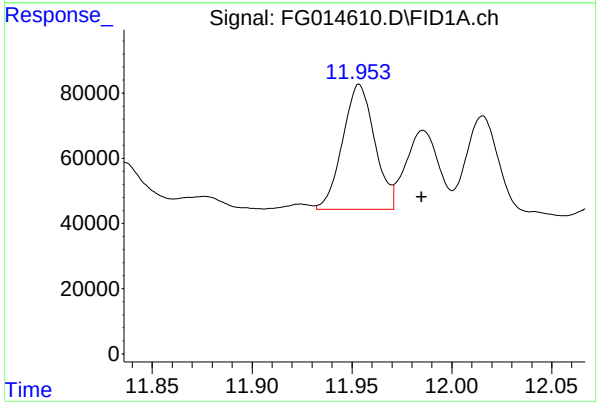
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#6 2-Flurobiphenyl (SURR)

R.T.: 8.884 min
Delta R.T.: -0.027 min
Response: 629401
Conc: 7.31 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.953 min
Delta R.T.: -0.032 min
Response: 432973
Conc: 2.92 ug/ml m

Instrument :
FID_G
ClientSampleId :
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rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014610.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 14:41
Sample : P4599-06DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.288	BV	1875	21454	0.92%	0.023%
2	4.295	4.288	4.307	VV	1000	10390	0.45%	0.011%
3	4.324	4.307	4.337	VV	2691	30667	1.32%	0.033%
4	4.352	4.337	4.366	VV	2529	31074	1.33%	0.034%
5	4.382	4.366	4.407	VV	2294	40759	1.75%	0.044%
6	4.415	4.407	4.436	VV	901	8840	0.38%	0.010%
7	4.489	4.436	4.504	PV	8561	118570	5.09%	0.129%
8	4.521	4.504	4.548	VV	12548	138948	5.96%	0.151%
9	4.566	4.548	4.573	VV	1107	15021	0.64%	0.016%
10	4.589	4.573	4.610	VV	1312	23219	1.00%	0.025%
11	4.614	4.610	4.633	VV	785	7422	0.32%	0.008%
12	4.653	4.633	4.677	VV	1569	22407	0.96%	0.024%
13	4.689	4.677	4.695	VV	338	3273	0.14%	0.004%
14	4.710	4.695	4.716	VV	743	7626	0.33%	0.008%
15	4.736	4.716	4.748	VV	3044	37035	1.59%	0.040%
16	4.761	4.748	4.779	VV	2486	42088	1.81%	0.046%
17	4.794	4.779	4.813	VV	2575	43179	1.85%	0.047%
18	4.836	4.813	4.850	VV	4440	61086	2.62%	0.066%
19	4.864	4.850	4.877	VV	4244	45373	1.95%	0.049%
20	4.892	4.877	4.911	VV	4631	72103	3.10%	0.078%
21	4.924	4.911	4.937	VV	3424	46378	1.99%	0.050%
22	4.967	4.937	4.988	VV	53858	560963	24.08%	0.609%
23	5.001	4.988	5.014	VV	4868	62832	2.70%	0.068%
24	5.041	5.014	5.071	VV	31270	489692	21.02%	0.532%
25	5.091	5.071	5.129	VV	15596	182772	7.85%	0.198%
26	5.159	5.129	5.175	VV	2086	40911	1.76%	0.044%
27	5.194	5.175	5.212	VV	3690	51617	2.22%	0.056%
28	5.225	5.212	5.248	VV	3167	46888	2.01%	0.051%
29	5.283	5.248	5.310	VV	15078	181572	7.79%	0.197%
30	5.337	5.310	5.348	VV	33480	323666	13.89%	0.352%
31	5.365	5.348	5.392	VV	161770	1595528	68.49%	1.733%
32	5.423	5.392	5.443	VV	11689	153764	6.60%	0.167%
33	5.463	5.443	5.474	VV	2515	37905	1.63%	0.041%
34	5.491	5.474	5.512	VV	5197	83351	3.58%	0.091%
35	5.523	5.512	5.545	VV	2912	49740	2.14%	0.054%
36	5.568	5.545	5.580	VV	9716	118843	5.10%	0.129%

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rteres

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37	5.595	5.580	5.615	VV	16668	189054	8.12%	0.205%
38	5.638	5.615	5.652	VV	7965	109447	[illegible]	
39	5.657	5.652	5.675	VV	3802	36818	[illegible]	
40	5.710	5.675	5.755	VV	97029	1116810	47[illegible]	
41	5.766	5.755	5.771	VV	2459	21274	[illegible]	
42	5.789	5.771	5.798	VV	6085	69864	[illegible]	
43	5.804	5.798	5.826	VV	5273	56630	2.43%	0.062%
44	5.846	5.826	5.860	VV	2076	33091	1.42%	0.036%
45	5.908	5.860	5.928	VV	46642	619292	26.59%	0.673%
46	5.941	5.928	5.961	VV	36766	387326	16.63%	0.421%
47	5.976	5.961	5.987	VV	6712	78459	3.37%	0.085%
48	6.007	5.987	6.028	VV	85083	960889	41.25%	1.044%
49	6.033	6.028	6.050	VV	19378	187754	8.06%	0.204%
50	6.064	6.050	6.097	VV	25393	290060	12.45%	0.315%
51	6.108	6.097	6.117	VV	3876	39484	1.70%	0.043%
52	6.132	6.117	6.138	VV	6878	67245	2.89%	0.073%
53	6.151	6.138	6.177	VV	11229	135203	5.80%	0.147%
54	6.202	6.177	6.224	VV	27165	286041	12.28%	0.311%
55	6.256	6.224	6.275	VV	28156	329191	14.13%	0.358%
56	6.285	6.275	6.300	VV	5321	61369	2.63%	0.067%
57	6.325	6.300	6.360	VV	53476	614993	26.40%	0.668%
58	6.383	6.360	6.403	VV	21496	249992	10.73%	0.271%
59	6.429	6.403	6.460	VV	60916	983956	42.24%	1.069%
60	6.475	6.460	6.500	VV	22757	331373	14.23%	0.360%
61	6.518	6.500	6.535	VV	45171	483844	20.77%	0.525%
62	6.560	6.535	6.590	VV	50149	673140	28.90%	0.731%
63	6.604	6.590	6.619	VV	9143	127889	5.49%	0.139%
64	6.623	6.619	6.636	VV	5842	52658	2.26%	0.057%
65	6.668	6.636	6.713	VV	43788	816051	35.03%	0.886%
66	6.759	6.713	6.797	VV	19270	498951	21.42%	0.542%
67	6.834	6.797	6.848	VV	17834	330556	14.19%	0.359%
68	6.867	6.848	6.884	VV	27638	434297	18.64%	0.472%
69	6.896	6.884	6.917	VV	18557	239390	10.28%	0.260%
70	6.950	6.917	6.968	VV	26577	407347	17.49%	0.442%
71	7.000	6.968	7.014	VV	16090	300137	12.88%	0.326%
72	7.032	7.014	7.053	VV	64912	695907	29.87%	0.756%
73	7.072	7.053	7.094	VV	15967	256369	11.01%	0.278%
74	7.110	7.094	7.122	VV	11085	142850	6.13%	0.155%
75	7.154	7.122	7.174	VV	49201	716660	30.77%	0.778%
76	7.192	7.174	7.213	VV	20357	287515	12.34%	0.312%
77	7.241	7.213	7.255	VV	10705	202814	8.71%	0.220%
78	7.282	7.255	7.302	VV	30552	505943	21.72%	0.549%
79	7.322	7.302	7.359	VV	56636	968388	41.57%	1.052%
80	7.390	7.359	7.421	VV	41727	861793	37.00%	0.936%
81	7.436	7.421	7.451	VV	17251	215855	9.27%	0.234%
82	7.472	7.451	7.516	VV	40592	871104	37.40%	0.946%
83	7.536	7.516	7.557	VV	28718	412828	17.72%	0.448%
84	7.576	7.557	7.587	VV	9456	153561	6.59%	0.167%
85	7.598	7.587	7.612	VV	10778	136585	5.86%	0.148%
86	7.629	7.612	7.644	VV	13176	192857	8.28%	0.209%
87	7.674	7.644	7.720	VV	54628	1172797	50.35%	1.274%
88	7.735	7.720	7.744	VV	24868	277996	11.93%	0.302%
89	7.754	7.744	7.775	VV	25910	440210	18.90%	0.478%

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90	7.783	7.775	7.812	VV	23796	345977	14.85%	0.376%
91	7.841	7.812	7.852	VV	9926	200708	8	
92	7.872	7.852	7.907	VV	36801	753464	32	
93	7.926	7.907	7.947	VV	29235	431050	18	
94	7.969	7.947	7.983	VV	14857	230565	9	
95	8.011	7.983	8.054	VV	102300	1442455	61	
96	8.066	8.054	8.077	VV	12166	152006	6.53%	0.165%
97	8.091	8.077	8.100	VV	14912	187146	8.03%	0.203%
98	8.111	8.100	8.121	VV	14908	171219	7.35%	0.186%
99	8.137	8.121	8.155	VV	18289	309241	13.28%	0.336%
100	8.171	8.155	8.188	VV	18088	292303	12.55%	0.317%
101	8.220	8.188	8.241	VV	23148	549303	23.58%	0.597%
102	8.282	8.241	8.301	VV	61054	1123564	48.23%	1.220%
103	8.308	8.301	8.320	VV	35856	358306	15.38%	0.389%
104	8.333	8.320	8.359	VV	40960	616787	26.48%	0.670%
105	8.380	8.359	8.388	VV	110776	1174724	50.43%	1.276%
106	8.395	8.388	8.440	VV	108577	1418113	60.88%	1.540%
107	8.463	8.440	8.470	VV	13740	225853	9.70%	0.245%
108	8.501	8.470	8.517	VV	187276	2329409	100.00%	2.530%
109	8.529	8.517	8.550	VV	116606	1319645	56.65%	1.433%
110	8.564	8.550	8.582	VV	26824	418775	17.98%	0.455%
111	8.595	8.582	8.604	VV	21758	246924	10.60%	0.268%
112	8.617	8.604	8.635	VV	23877	370007	15.88%	0.402%
113	8.662	8.635	8.720	VV	66653	1686843	72.42%	1.832%
114	8.743	8.720	8.757	VV	34625	504754	21.67%	0.548%
115	8.776	8.757	8.790	VV	46812	638291	27.40%	0.693%
116	8.802	8.790	8.842	VV	35307	702175	30.14%	0.763%
117	8.884	8.842	8.922	VV	68157	1171962	50.31%	1.273%
118	8.952	8.922	8.963	VV	18534	377700	16.21%	0.410%
119	8.980	8.963	8.994	VV	23165	360997	15.50%	0.392%
120	9.001	8.994	9.014	VV	19558	218768	9.39%	0.238%
121	9.020	9.014	9.028	VV	16303	135640	5.82%	0.147%
122	9.044	9.028	9.072	VV	31067	566364	24.31%	0.615%
123	9.090	9.072	9.115	VV	33886	699074	30.01%	0.759%
124	9.124	9.115	9.138	VV	23795	292400	12.55%	0.318%
125	9.151	9.138	9.165	VV	23980	308902	13.26%	0.335%
126	9.178	9.165	9.193	VV	21349	305629	13.12%	0.332%
127	9.226	9.193	9.247	VV	86609	1332121	57.19%	1.447%
128	9.261	9.247	9.284	VV	36931	571583	24.54%	0.621%
129	9.301	9.284	9.322	VV	33039	548196	23.53%	0.595%
130	9.352	9.322	9.368	VV	36660	688385	29.55%	0.748%
131	9.398	9.368	9.415	VV	77103	1098960	47.18%	1.193%
132	9.439	9.415	9.485	VV	83512	1439522	61.80%	1.563%
133	9.504	9.485	9.523	VV	16567	331141	14.22%	0.360%
134	9.556	9.523	9.571	VV	65850	961753	41.29%	1.044%
135	9.586	9.571	9.605	VV	63614	753607	32.35%	0.818%
136	9.610	9.605	9.624	VV	14332	147121	6.32%	0.160%
137	9.639	9.624	9.652	VV	15358	229337	9.85%	0.249%
138	9.672	9.652	9.676	VV	33917	353155	15.16%	0.384%
139	9.692	9.676	9.714	VV	71429	962397	41.32%	1.045%
140	9.720	9.714	9.727	VV	16397	127651	5.48%	0.139%
141	9.739	9.727	9.753	VV	17758	263252	11.30%	0.286%

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142	9.773	9.753	9.788	VV	27341	426530	18.31%	0.463%
143	9.802	9.788	9.825	VV	26163	424371	18	
144	9.856	9.825	9.883	VV	55829	979067	42	
145	9.896	9.883	9.910	VV	20600	295019	12	
146	9.927	9.910	9.941	VV	30641	437227	18	
147	9.957	9.941	9.967	VV	33556	423070	18	
148	9.982	9.967	10.005	VV	45936	715826	30.73%	0.777%
149	10.019	10.005	10.040	VV	22165	395782	16.99%	0.430%
150	10.057	10.040	10.079	VV	22528	420759	18.06%	0.457%
151	10.101	10.079	10.125	VV	30831	662310	28.43%	0.719%
152	10.151	10.125	10.168	VV	28127	600531	25.78%	0.652%
153	10.197	10.168	10.220	VV	35405	807797	34.68%	0.877%
154	10.228	10.220	10.245	VV	17123	235034	10.09%	0.255%
155	10.259	10.245	10.275	VV	17946	292353	12.55%	0.317%
156	10.298	10.275	10.337	VV	22632	591111	25.38%	0.642%
157	10.364	10.337	10.413	VV	32710	829381	35.60%	0.901%
158	10.429	10.413	10.438	VV	10235	145486	6.25%	0.158%
159	10.466	10.438	10.481	VV	15870	323220	13.88%	0.351%
160	10.488	10.481	10.497	VV	11733	111894	4.80%	0.122%
161	10.521	10.497	10.557	VV	34242	631703	27.12%	0.686%
162	10.579	10.557	10.605	VV	24018	492494	21.14%	0.535%
163	10.631	10.605	10.643	VV	32532	520232	22.33%	0.565%
164	10.656	10.643	10.681	VV	42017	648131	27.82%	0.704%
165	10.700	10.681	10.754	VV	51703	1020493	43.81%	1.108%
166	10.777	10.754	10.786	VV	33522	476615	20.46%	0.518%
167	10.795	10.786	10.818	VV	32888	505238	21.69%	0.549%
168	10.839	10.818	10.863	VV	31330	627246	26.93%	0.681%
169	10.877	10.863	10.892	VV	21082	324132	13.91%	0.352%
170	10.913	10.892	10.929	VV	23447	439122	18.85%	0.477%
171	10.947	10.929	10.965	VV	27245	447862	19.23%	0.486%
172	11.004	10.965	11.027	VV	32995	853303	36.63%	0.927%
173	11.053	11.027	11.074	VV	19124	478392	20.54%	0.520%
174	11.082	11.074	11.100	VV	16041	218984	9.40%	0.238%
175	11.143	11.100	11.159	VV	18726	532318	22.85%	0.578%
176	11.180	11.159	11.200	VV	42836	619405	26.59%	0.673%
177	11.216	11.200	11.240	VV	15685	322447	13.84%	0.350%
178	11.265	11.240	11.300	VV	16133	478773	20.55%	0.520%
179	11.323	11.300	11.340	VV	12790	270556	11.61%	0.294%
180	11.362	11.340	11.380	VV	16858	321654	13.81%	0.349%
181	11.401	11.380	11.421	VV	18191	353409	15.17%	0.384%
182	11.434	11.421	11.440	VV	12107	132034	5.67%	0.143%
183	11.462	11.440	11.467	VV	13406	204127	8.76%	0.222%
184	11.492	11.467	11.513	VV	26318	514730	22.10%	0.559%
185	11.541	11.513	11.560	VV	22697	497138	21.34%	0.540%
186	11.576	11.560	11.624	VV	20766	618489	26.55%	0.672%
187	11.630	11.624	11.641	VV	12975	125594	5.39%	0.136%
188	11.661	11.641	11.688	VV	19536	465527	19.98%	0.506%
189	11.705	11.688	11.721	VV	23771	389345	16.71%	0.423%
190	11.726	11.721	11.749	VV	17938	256423	11.01%	0.278%
191	11.778	11.749	11.800	VV	16512	386019	16.57%	0.419%
192	11.837	11.800	11.861	VV	23700	565935	24.30%	0.615%
193	11.876	11.861	11.906	VV	13295	310383	13.32%	0.337%
194	11.924	11.906	11.931	VV	10940	155488	6.67%	0.169%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	11.954	11.931	11.970	VV	47745	647831	27.81%	0.704%
196	11.986	11.970	12.000	VV	33591	444954	19	
197	12.015	12.000	12.056	VV	38005	604754	25	
198	12.080	12.056	12.104	VV	14121	310799	13	
199	12.134	12.104	12.150	VV	26188	449962	19	
200	12.167	12.150	12.220	VV	22857	566104	24	
201	12.239	12.220	12.256	VV	10888	204208	8.77%	0.222%
202	12.284	12.256	12.306	VV	14523	351018	15.07%	0.381%
203	12.326	12.306	12.345	VV	14416	262511	11.27%	0.285%
204	12.357	12.345	12.370	VV	10033	142917	6.14%	0.155%
205	12.388	12.370	12.405	VV	10613	196022	8.42%	0.213%
206	12.425	12.405	12.443	VV	9167	187292	8.04%	0.203%
207	12.461	12.443	12.472	VV	8551	146229	6.28%	0.159%
208	12.488	12.472	12.502	VV	11138	172347	7.40%	0.187%
209	12.520	12.502	12.540	VV	12818	238996	10.26%	0.260%
210	12.552	12.540	12.573	VV	10141	165522	7.11%	0.180%
211	12.605	12.573	12.622	VV	9740	230885	9.91%	0.251%
212	12.636	12.622	12.650	VV	7941	124892	5.36%	0.136%
213	12.666	12.650	12.695	VV	8752	210738	9.05%	0.229%
214	12.708	12.695	12.716	VV	8625	102461	4.40%	0.111%
215	12.731	12.716	12.752	VV	11380	198584	8.53%	0.216%
216	12.777	12.752	12.816	VV	16392	409760	17.59%	0.445%
217	12.832	12.816	12.838	VV	6639	86833	3.73%	0.094%
218	12.857	12.838	12.865	VV	7936	116662	5.01%	0.127%
219	12.887	12.865	12.906	VV	22989	359263	15.42%	0.390%
220	12.921	12.906	12.938	VV	13216	203871	8.75%	0.221%
221	12.950	12.938	12.982	VV	10008	196853	8.45%	0.214%
222	13.001	12.982	13.052	VV	9849	282203	12.11%	0.306%
223	13.060	13.052	13.069	VV	4535	46725	2.01%	0.051%
224	13.074	13.069	13.078	VV	4283	22330	0.96%	0.024%
225	13.103	13.078	13.112	VV	5404	101389	4.35%	0.110%
226	13.129	13.112	13.150	VV	6537	120009	5.15%	0.130%
227	13.161	13.150	13.175	VV	4547	64628	2.77%	0.070%
228	13.195	13.175	13.211	VV	5062	96660	4.15%	0.105%
229	13.225	13.211	13.232	VV	4346	52151	2.24%	0.057%
230	13.252	13.232	13.277	VV	4574	111407	4.78%	0.121%
231	13.299	13.277	13.350	VV	6620	187338	8.04%	0.203%
232	13.393	13.350	13.421	VV	12094	252609	10.84%	0.274%
233	13.444	13.421	13.464	VV	5370	116695	5.01%	0.127%
234	13.474	13.464	13.500	VV	4265	82725	3.55%	0.090%
235	13.507	13.500	13.534	VV	3475	59648	2.56%	0.065%
236	13.544	13.534	13.552	VV	2607	27982	1.20%	0.030%
237	13.584	13.552	13.610	VV	5482	145669	6.25%	0.158%
238	13.632	13.610	13.667	VV	6190	132991	5.71%	0.144%
239	13.670	13.667	13.680	VV	2191	17306	0.74%	0.019%
240	13.698	13.680	13.713	VV	4020	62188	2.67%	0.068%
241	13.731	13.713	13.755	VV	4146	76201	3.27%	0.083%
242	13.777	13.755	13.783	VV	2472	38646	1.66%	0.042%
243	13.786	13.783	13.792	VV	2444	13628	0.59%	0.015%
244	13.807	13.792	13.834	VV	2808	61400	2.64%	0.067%
245	13.852	13.834	13.871	VV	2537	50336	2.16%	0.055%
246	13.886	13.871	13.931	VV	2794	77184	3.31%	0.084%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

247	13.937	13.931	13.956	VV	1720	23314	1.00%	0.025%
248	13.960	13.956	13.977	VV	1466	17895		
249	14.001	13.977	14.021	VV	1922	43668		
250	14.037	14.021	14.054	VV	2028	36067		
251	14.083	14.054	14.139	VV	1934	77366		
252	14.164	14.139	14.184	VV	2240	43936		
253	14.189	14.184	14.192	VV	1236	6003	0.26%	0.007%
254	14.207	14.192	14.230	VV	1513	28080	1.21%	0.030%
255	14.248	14.230	14.269	VV	1074	23241	1.00%	0.025%
256	14.273	14.269	14.322	VV	961	24778	1.06%	0.027%
257	14.349	14.322	14.360	VV	943	17532	0.75%	0.019%
258	14.365	14.360	14.420	VV	940	27896	1.20%	0.030%
259	14.451	14.420	14.474	VV	788	21893	0.94%	0.024%
260	14.485	14.474	14.490	VV	639	5735	0.25%	0.006%
261	14.509	14.490	14.533	VV	1041	19248	0.83%	0.021%
262	14.538	14.533	14.562	VV	538	8921	0.38%	0.010%
263	14.587	14.562	14.594	VV	756	12469	0.54%	0.014%
264	14.605	14.594	14.611	VV	719	7050	0.30%	0.008%
265	14.615	14.611	14.650	VV	676	12767	0.55%	0.014%
266	14.657	14.650	14.677	VV	440	6164	0.26%	0.007%
267	14.715	14.677	14.743	VV	706	20735	0.89%	0.023%
268	14.753	14.743	14.780	VV	502	8738	0.38%	0.009%
269	14.804	14.780	14.818	VV	490	8997	0.39%	0.010%
270	14.828	14.818	14.846	VV	533	7825	0.34%	0.008%
271	14.850	14.846	14.855	VV	414	2262	0.10%	0.002%
272	14.864	14.855	14.894	VV	516	9227	0.40%	0.010%
273	14.897	14.894	14.902	VV	293	1363	0.06%	0.001%
274	14.907	14.902	14.917	VV	326	2413	0.10%	0.003%
275	14.920	14.917	14.951	VV	266	3631	0.16%	0.004%
276	14.958	14.951	14.969	VV	187	1752	0.08%	0.002%
277	14.995	14.969	15.021	VV	284	6438	0.28%	0.007%
278	15.030	15.021	15.044	VV	247	2649	0.11%	0.003%
279	15.047	15.044	15.064	VV	168	1906	0.08%	0.002%
280	15.068	15.064	15.080	VV	154	1287	0.06%	0.001%
281	15.095	15.080	15.104	VV	202	1934	0.08%	0.002%
282	15.110	15.104	15.141	VV	148	1366	0.06%	0.001%
283	15.180	15.154	15.204	VV	340	5099	0.22%	0.006%
284	15.222	15.204	15.237	VV	443	5755	0.25%	0.006%
285	15.254	15.237	15.281	VV	479	7318	0.31%	0.008%
286	15.300	15.281	15.319	VV	309	4052	0.17%	0.004%
287	15.343	15.332	15.353	VV	165	1737	0.07%	0.002%
288	15.381	15.375	15.404	VV	136	1657	0.07%	0.002%
289	15.409	15.404	15.444	VV	117	1711	0.07%	0.002%
290	15.481	15.444	15.507	VV	148	2701	0.12%	0.003%
291	15.632	15.585	15.665	VV	597	11494	0.49%	0.012%
292	15.677	15.665	15.714	VV	273	4929	0.21%	0.005%
293	15.721	15.714	15.740	VV	131	1222	0.05%	0.001%
294	15.785	15.752	15.832	VV	316	8203	0.35%	0.009%
295	15.853	15.845	15.859	VV	174	1143	0.05%	0.001%
296	15.907	15.902	15.937	VV	121	1020	0.04%	0.001%
297	15.995	15.970	16.002	VV	102	1388	0.06%	0.002%
298	16.056	16.036	16.078	VV	171	2232	0.10%	0.002%
299	16.088	16.078	16.111	VV	139	1311	0.06%	0.001%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.139	16.121	16.166	VV	154	2317	0.10%	0.003%
301	16.251	16.230	16.257	VV	149	1646		
302	16.276	16.257	16.311	VV	411	6046		
303	16.334	16.311	16.354	VV	120	2043		
304	16.360	16.354	16.391	VV	123	1116		
305	16.423	16.391	16.429	PV	177	2151		
306	16.459	16.429	16.474	VV	207	3202	0.14%	0.003%
307	16.575	16.554	16.590	VV	98	1345	0.06%	0.001%
308	16.662	16.622	16.667	VV	140	2350	0.10%	0.003%
309	16.762	16.700	16.787	VV	450	9795	0.42%	0.011%
310	16.816	16.787	16.825	VV	173	2972	0.13%	0.003%
311	16.841	16.825	16.878	VV	389	5823	0.25%	0.006%
312	16.887	16.878	16.902	VV	142	1327	0.06%	0.001%
313	16.906	16.902	16.934	VV	133	1619	0.07%	0.002%
314	16.972	16.959	17.005	VV	97	1661	0.07%	0.002%
315	17.057	17.043	17.083	VV	108	1571	0.07%	0.002%
316	17.120	17.083	17.163	VV	311	6692	0.29%	0.007%
317	17.190	17.163	17.195	VV	238	3160	0.14%	0.003%
318	17.226	17.195	17.252	VV	717	11688	0.50%	0.013%
319	17.275	17.252	17.295	VV	243	3887	0.17%	0.004%
320	17.331	17.314	17.338	VV	122	1194	0.05%	0.001%
321	17.508	17.488	17.537	PV	198	3266	0.14%	0.004%
322	17.551	17.537	17.560	VV	142	1226	0.05%	0.001%
323	17.583	17.572	17.599	VV	132	1634	0.07%	0.002%
324	17.604	17.599	17.629	VV	163	1932	0.08%	0.002%
325	17.676	17.629	17.723	VV	882	15173	0.65%	0.016%
326	17.789	17.736	17.805	VV	238	4620	0.20%	0.005%
327	17.850	17.821	17.884	PV	221	5007	0.21%	0.005%
328	17.888	17.884	17.908	VV	147	1668	0.07%	0.002%
329	17.956	17.951	17.980	VV	115	1261	0.05%	0.001%
330	18.112	18.070	18.144	VV	1307	19827	0.85%	0.022%
331	18.171	18.144	18.176	PV	147	1887	0.08%	0.002%
332	18.203	18.188	18.219	VV	316	3512	0.15%	0.004%

Sum of corrected areas: 92081046

Aromatic EPH 102124.M Mon Nov 04 01:26:42 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-7			SDG No.:	P4599
Lab Sample ID:	P4599-07			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	82.7
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
10/30/24 08:20	10/31/24 7:00	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.14	J	1	0.46	1.21	mg/kg	FE050928.D
Aliphatic C12-C16	Aliphatic C12-C16	1.84		1	0.29	0.81	mg/kg	FE050928.D
Aliphatic C16-C21	Aliphatic C16-C21	1.16	J	1	0.36	1.21	mg/kg	FE050928.D
Aliphatic C21-C28	Aliphatic C21-C28	0.97	U	1	0.97	1.61	mg/kg	FE050928.D
Aliphatic C28-C40	Aliphatic C28-C40	7.88		1	2.17	2.41	mg/kg	FE050928.D
Aromatic C10-C12	Aromatic C10-C12	0.74	J	1	0.36	0.81	mg/kg	FG014583.D
Aromatic C12-C16	Aromatic C12-C16	2.10		1	0.41	1.21	mg/kg	FG014583.D
Aromatic C16-C21	Aromatic C16-C21	7.04		1	1.16	2.01	mg/kg	FG014583.D
Aromatic C21-C36	Aromatic C21-C36	2.41	U	1	2.41	3.22	mg/kg	FG014583.D
Total AliphaticEPH	Total AliphaticEPH	12.0			4.25	7.25	mg/kg	
Total AromaticEPH	Total AromaticEPH	9.88			4.34	7.25	mg/kg	
Total EPH	Total EPH	21.9			8.59	14.5	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

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-7		SDG No.:	P4599	
Lab Sample ID:	P4599-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.7	
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
FE050928.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		1.14	J	0.46	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.84		0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		1.16	J	0.36	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.97	U	0.97	1.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.88		2.17	2.41	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.9		40 - 140	60%	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:	P4599-07	Acq On:	31 Oct 2024 07:00
Client Sample ID:	EX-1-TPH-7	Operator:	YP\AJ
Data file:	FE050928.D	Misc:	
Instrument:	FID_E	ALS Vial:	37
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	2016410	14.111	300	ug/ml
Aliphatic C12-C16	6.763	10.194	3320664	22.882	200	ug/ml
Aliphatic C16-C21	10.195	13.554	2084304	14.434	300	ug/ml
Aliphatic C21-C28	13.555	17.208	1447576	10.183	400	ug/ml
Aliphatic C28-C40	17.209	22.057	13541192	97.909	600	ug/ml
Aliphatic EPH	3.144	22.057	22410146	159.52		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.289	13.289	3541512	29.94		ug/ml
Aliphatic C9-C28	3.144	17.208	8868954	61.61	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050928.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 07:00
Operator : YP\AJ
Sample : P4599-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-7

Integration File: autoint1.e
Quant Time: Oct 31 07:46:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.289	3541512	29.938 ug/ml
Spiked Amount 50.000		Recovery = 59.88%	
Target Compounds			

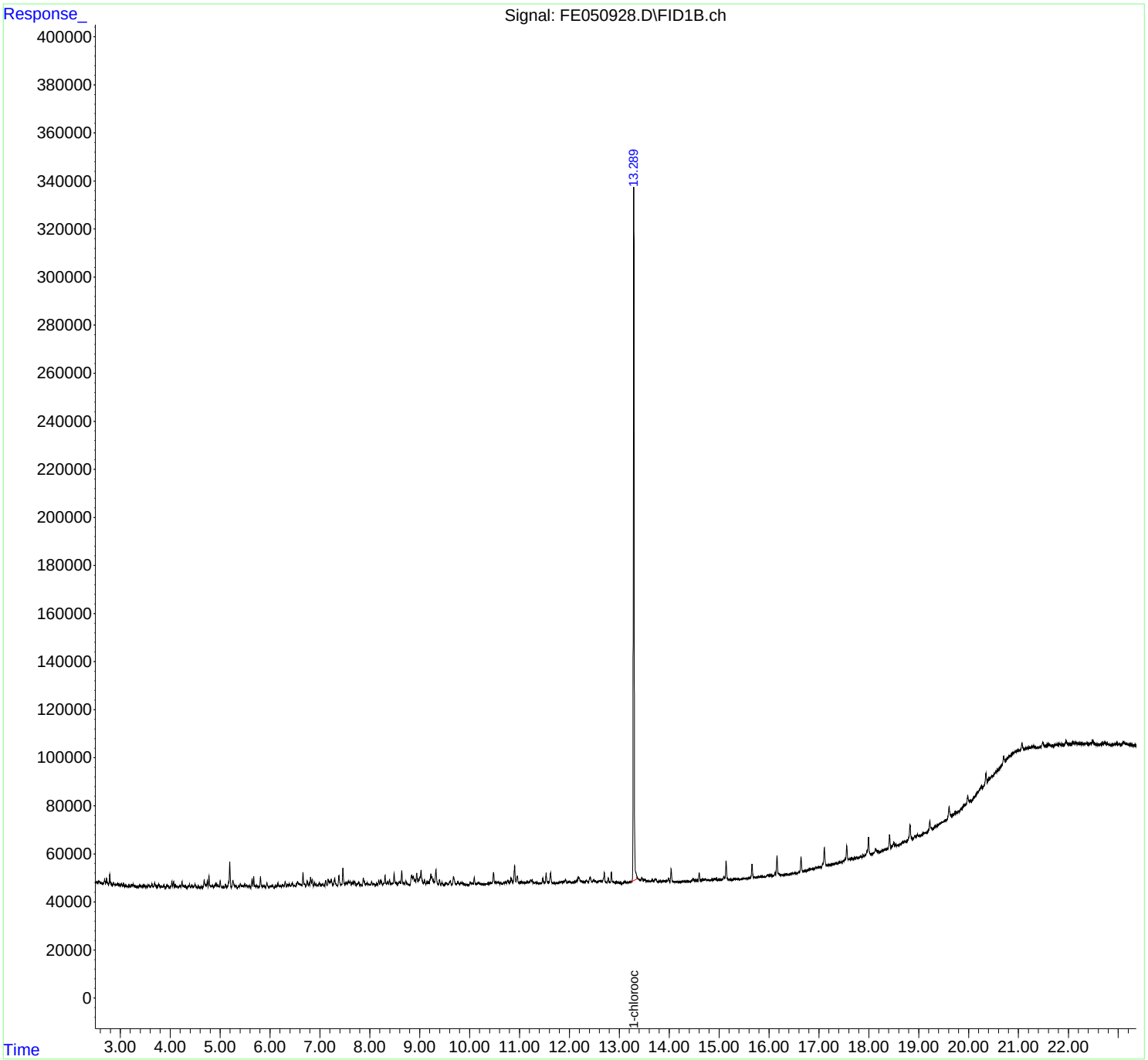
(f)=RT Delta > 1/2 Window (m)=manual int.

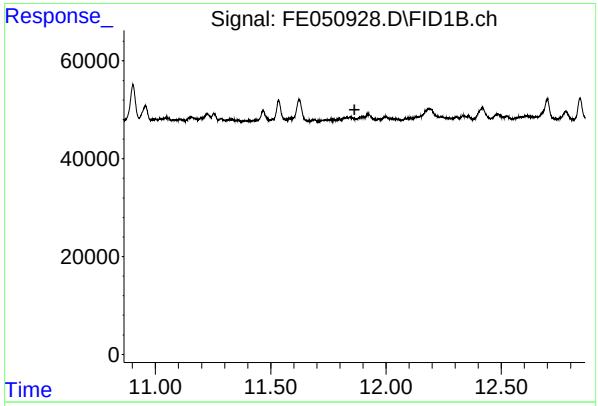
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050928.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 07:00
Operator : YP\AJ
Sample : P4599-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-7

Integration File: autoint1.e
Quant Time: Oct 31 07:46:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

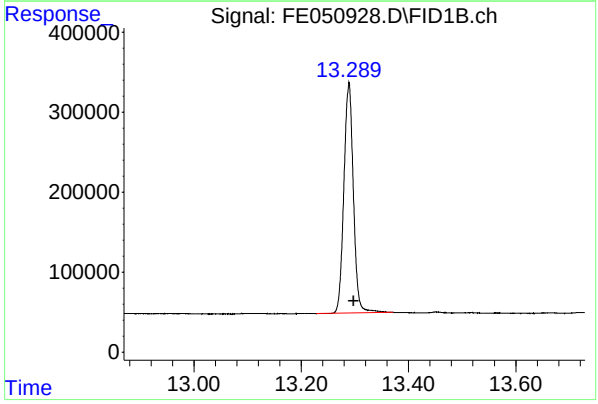




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-7



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: -0.009 min
Response: 3541512
Conc: 29.94 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050928.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 07:00
Sample : P4599-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.567	2.524	2.655	BV	522	11863	0.32%	0.045%
2	2.685	2.655	2.703	PV	1636	21660	0.59%	0.082%
3	2.725	2.703	2.765	VV	2363	32293	0.87%	0.123%
4	2.787	2.765	2.848	VV	4269	48897	1.32%	0.186%
5	2.862	2.848	2.903	PV	521	9374	0.25%	0.036%
6	2.947	2.903	2.970	VV	636	13014	0.35%	0.050%
7	2.983	2.970	3.001	VV	418	4342	0.12%	0.017%
8	3.025	3.001	3.040	VV	455	6835	0.18%	0.026%
9	3.064	3.040	3.098	VV	596	9359	0.25%	0.036%
10	3.108	3.098	3.145	VV	152	2136	0.06%	0.008%
11	3.165	3.145	3.188	PV	174	2710	0.07%	0.010%
12	3.223	3.188	3.235	VV	589	8879	0.24%	0.034%
13	3.258	3.235	3.281	VV	913	15157	0.41%	0.058%
14	3.288	3.281	3.344	VV	236	3467	0.09%	0.013%
15	3.385	3.344	3.401	PV	636	10435	0.28%	0.040%
16	3.414	3.401	3.438	VV	377	5686	0.15%	0.022%
17	3.454	3.438	3.471	VV	737	8863	0.24%	0.034%
18	3.484	3.471	3.510	VV	719	8892	0.24%	0.034%
19	3.523	3.510	3.536	VV	267	2962	0.08%	0.011%
20	3.557	3.536	3.568	VV	896	10383	0.28%	0.040%
21	3.576	3.568	3.604	VV	769	9108	0.25%	0.035%
22	3.632	3.604	3.671	VV	1316	21391	0.58%	0.081%
23	3.688	3.671	3.734	VV	1969	31166	0.84%	0.119%
24	3.770	3.734	3.808	VV	1210	24946	0.67%	0.095%
25	3.824	3.808	3.856	VV	521	10251	0.28%	0.039%
26	3.874	3.856	3.902	VV	1277	14370	0.39%	0.055%
27	3.936	3.902	3.949	VV	1056	15470	0.42%	0.059%
28	3.955	3.949	3.991	VV	909	11162	0.30%	0.042%
29	4.034	3.991	4.050	PV	2649	33840	0.91%	0.129%
30	4.068	4.050	4.087	VV	2591	32152	0.87%	0.122%
31	4.100	4.087	4.120	VV	867	14283	0.39%	0.054%
32	4.134	4.120	4.162	VV	777	12245	0.33%	0.047%
33	4.184	4.162	4.193	VV	682	7725	0.21%	0.029%
34	4.203	4.193	4.216	VV	712	8774	0.24%	0.033%
35	4.237	4.216	4.279	VV	2593	43208	1.17%	0.164%
36	4.297	4.279	4.340	VV	761	15238	0.41%	0.058%

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37	4.359	4.340	4.370	PV	892	9643	0.26%	0.037%
38	4.386	4.370	4.414	VV	1348	19828	0.54%	0.075%
39	4.433	4.414	4.458	VV	976	17141	0.46%	0.065%
40	4.496	4.458	4.543	VV	1553	32327	0.87%	0.123%
41	4.563	4.543	4.604	VV	799	10437	0.28%	0.040%
42	4.621	4.604	4.644	VV	714	8491	0.23%	0.032%
43	4.681	4.644	4.728	VV	3484	69098	1.87%	0.263%
44	4.744	4.728	4.760	VV	3127	35772	0.97%	0.136%
45	4.777	4.760	4.820	VV	4987	69317	1.87%	0.264%
46	4.835	4.820	4.870	VV	1022	23400	0.63%	0.089%
47	4.910	4.870	4.922	VV	1798	34496	0.93%	0.131%
48	4.930	4.922	4.944	VV	1578	17217	0.47%	0.066%
49	4.955	4.944	4.978	VV	1311	18542	0.50%	0.071%
50	5.002	4.978	5.040	VV	3045	45248	1.22%	0.172%
51	5.072	5.040	5.087	VV	565	11061	0.30%	0.042%
52	5.106	5.087	5.124	VV	1526	19870	0.54%	0.076%
53	5.135	5.124	5.146	VV	861	9232	0.25%	0.035%
54	5.193	5.146	5.225	VV	10707	158508	4.29%	0.603%
55	5.256	5.225	5.306	VV	3155	71537	1.93%	0.272%
56	5.314	5.306	5.345	VV	728	12405	0.34%	0.047%
57	5.405	5.345	5.422	PV	1670	36773	0.99%	0.140%
58	5.435	5.422	5.449	VV	978	13596	0.37%	0.052%
59	5.470	5.449	5.480	VV	999	16205	0.44%	0.062%
60	5.495	5.480	5.519	VV	1633	27720	0.75%	0.106%
61	5.531	5.519	5.555	VV	1190	19062	0.52%	0.073%
62	5.568	5.555	5.580	VV	799	9834	0.27%	0.037%
63	5.595	5.580	5.614	VV	1071	12160	0.33%	0.046%
64	5.640	5.614	5.657	VV	3694	46841	1.27%	0.178%
65	5.674	5.657	5.718	VV	4776	62096	1.68%	0.236%
66	5.734	5.718	5.770	VV	1117	23004	0.62%	0.088%
67	5.809	5.770	5.848	VV	4689	70537	1.91%	0.269%
68	5.862	5.848	5.881	VV	868	13854	0.37%	0.053%
69	5.894	5.881	5.910	VV	948	10472	0.28%	0.040%
70	5.939	5.910	5.978	VV	2117	37526	1.01%	0.143%
71	5.998	5.978	6.024	VV	951	15984	0.43%	0.061%
72	6.041	6.024	6.081	VV	1058	22071	0.60%	0.084%
73	6.110	6.081	6.123	PV	1050	12649	0.34%	0.048%
74	6.158	6.123	6.180	VV	2022	34321	0.93%	0.131%
75	6.192	6.180	6.203	VV	814	9117	0.25%	0.035%
76	6.215	6.203	6.232	VV	734	10675	0.29%	0.041%
77	6.258	6.232	6.278	VV	1243	23670	0.64%	0.090%
78	6.304	6.278	6.331	VV	2624	42738	1.16%	0.163%
79	6.347	6.331	6.367	VV	1518	24030	0.65%	0.091%
80	6.390	6.367	6.412	VV	1489	30831	0.83%	0.117%
81	6.447	6.412	6.471	VV	1888	42581	1.15%	0.162%
82	6.486	6.471	6.514	VV	1093	21510	0.58%	0.082%
83	6.551	6.514	6.640	VV	2491	104267	2.82%	0.397%
84	6.662	6.640	6.686	VV	6239	80089	2.17%	0.305%
85	6.696	6.686	6.718	VV	1498	20882	0.56%	0.079%
86	6.745	6.718	6.769	VV	2792	44982	1.22%	0.171%
87	6.784	6.769	6.796	VV	2097	23153	0.63%	0.088%
88	6.814	6.796	6.834	VV	4245	59256	1.60%	0.226%
89	6.846	6.834	6.871	VV	3215	40400	1.09%	0.154%

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90	6.889	6.871	6.905	VV	1992	25386	0.69%	0.097%
91	6.920	6.905	6.935	VV	1269	18459	0.50%	0.070%
92	6.944	6.935	6.961	VV	898	12832	0.35%	0.049%
93	6.987	6.961	7.012	VV	1981	38286	1.04%	0.146%
94	7.023	7.012	7.036	VV	987	12689	0.34%	0.048%
95	7.055	7.036	7.081	VV	1322	25850	0.70%	0.098%
96	7.117	7.081	7.144	VV	2848	53302	1.44%	0.203%
97	7.166	7.144	7.182	VV	3335	51932	1.40%	0.198%
98	7.192	7.182	7.208	VV	2544	32915	0.89%	0.125%
99	7.230	7.208	7.264	VV	2820	66653	1.80%	0.254%
100	7.297	7.264	7.358	VV	3768	89460	2.42%	0.341%
101	7.381	7.358	7.418	VV	4741	82642	2.23%	0.315%
102	7.462	7.418	7.500	VV	7976	132910	3.59%	0.506%
103	7.570	7.500	7.584	VV	2540	84506	2.28%	0.322%
104	7.607	7.584	7.628	VV	2397	48535	1.31%	0.185%
105	7.669	7.628	7.684	VV	1903	50095	1.35%	0.191%
106	7.698	7.684	7.724	VV	2471	38672	1.05%	0.147%
107	7.781	7.724	7.807	VV	1769	61301	1.66%	0.233%
108	7.818	7.807	7.844	VV	822	15503	0.42%	0.059%
109	7.871	7.844	7.914	VV	3740	77202	2.09%	0.294%
110	7.948	7.914	7.966	VV	1686	36623	0.99%	0.139%
111	7.982	7.966	8.008	VV	1093	22984	0.62%	0.087%
112	8.038	8.008	8.056	VV	2102	39192	1.06%	0.149%
113	8.086	8.056	8.108	VV	1247	30882	0.83%	0.118%
114	8.136	8.108	8.152	VV	1168	23824	0.64%	0.091%
115	8.181	8.152	8.199	VV	2628	43754	1.18%	0.167%
116	8.217	8.199	8.261	VV	2802	60591	1.64%	0.231%
117	8.278	8.261	8.287	VV	1423	17435	0.47%	0.066%
118	8.307	8.287	8.334	VV	4748	67620	1.83%	0.257%
119	8.358	8.334	8.377	VV	1931	37169	1.00%	0.141%
120	8.397	8.377	8.419	VV	2845	43142	1.17%	0.164%
121	8.430	8.419	8.462	VV	1223	29475	0.80%	0.112%
122	8.488	8.462	8.558	VV	5394	117569	3.18%	0.448%
123	8.602	8.558	8.618	VV	1821	51928	1.40%	0.198%
124	8.642	8.618	8.666	VV	6502	91375	2.47%	0.348%
125	8.680	8.666	8.704	VV	1631	28196	0.76%	0.107%
126	8.722	8.704	8.764	VV	2001	44771	1.21%	0.170%
127	8.775	8.764	8.804	VV	794	14786	0.40%	0.056%
128	8.839	8.804	8.857	VV	4590	92020	2.49%	0.350%
129	8.870	8.857	8.901	VV	3808	82204	2.22%	0.313%
130	8.908	8.901	8.920	VV	2440	26211	0.71%	0.100%
131	8.941	8.920	8.964	VV	5358	89259	2.41%	0.340%
132	8.980	8.964	8.990	VV	2829	37016	1.00%	0.141%
133	9.028	8.990	9.073	VV	6556	165861	4.48%	0.631%
134	9.096	9.073	9.125	VV	2173	45408	1.23%	0.173%
135	9.144	9.125	9.160	VV	1670	27324	0.74%	0.104%
136	9.175	9.160	9.191	VV	1644	25447	0.69%	0.097%
137	9.225	9.191	9.238	VV	4866	84253	2.28%	0.321%
138	9.246	9.238	9.293	VV	3876	83386	2.25%	0.317%
139	9.327	9.293	9.372	VV	6736	135428	3.66%	0.516%
140	9.399	9.372	9.423	VV	2610	40946	1.11%	0.156%
141	9.448	9.423	9.478	VV	1543	27277	0.74%	0.104%

142	9.528	9.478	9.572	VV	1168	39799	1.08%	0.152%
143	9.615	9.572	9.651	VV	2135	52529	1.42%	0.200%
144	9.679	9.651	9.728	VV	3554	79275	2.14%	0.302%
145	9.767	9.728	9.797	VV	1582	40396	1.09%	0.154%
146	9.819	9.797	9.838	VV	1261	21377	0.58%	0.081%
147	9.849	9.838	9.912	VV	1154	29472	0.80%	0.112%
148	9.933	9.912	9.952	VV	353	6260	0.17%	0.024%
149	9.966	9.952	9.991	VV	237	3714	0.10%	0.014%
150	10.014	9.991	10.031	VV	1457	20628	0.56%	0.079%
151	10.050	10.031	10.073	VV	1117	21055	0.57%	0.080%
152	10.094	10.073	10.135	VV	3308	51356	1.39%	0.196%
153	10.170	10.135	10.185	VV	1134	25472	0.69%	0.097%
154	10.194	10.185	10.252	VV	1012	24036	0.65%	0.092%
155	10.267	10.252	10.291	VV	529	8488	0.23%	0.032%
156	10.323	10.291	10.350	VV	469	12795	0.35%	0.049%
157	10.369	10.350	10.387	VV	909	14097	0.38%	0.054%
158	10.410	10.387	10.426	VV	1210	20265	0.55%	0.077%
159	10.440	10.426	10.451	VV	986	11253	0.30%	0.043%
160	10.481	10.451	10.506	VV	5253	88435	2.39%	0.337%
161	10.522	10.506	10.542	VV	1494	24923	0.67%	0.095%
162	10.570	10.542	10.606	VV	1112	35174	0.95%	0.134%
163	10.627	10.606	10.661	VV	1218	22712	0.61%	0.086%
164	10.692	10.661	10.704	VV	1242	21555	0.58%	0.082%
165	10.723	10.704	10.742	VV	1297	24300	0.66%	0.093%
166	10.765	10.742	10.792	VV	1921	41218	1.11%	0.157%
167	10.832	10.792	10.867	VV	2676	71263	1.93%	0.271%
168	10.903	10.867	10.930	VV	7973	137958	3.73%	0.525%
169	10.956	10.930	10.981	VV	3675	68292	1.85%	0.260%
170	11.000	10.981	11.010	VV	939	14761	0.40%	0.056%
171	11.050	11.010	11.092	VV	1224	46566	1.26%	0.177%
172	11.111	11.092	11.131	VV	926	18199	0.49%	0.069%
173	11.156	11.131	11.184	VV	1297	33291	0.90%	0.127%
174	11.225	11.184	11.240	VV	2062	46582	1.26%	0.177%
175	11.254	11.240	11.274	VV	2012	29327	0.79%	0.112%
176	11.285	11.274	11.302	VV	990	13762	0.37%	0.052%
177	11.320	11.302	11.374	VV	818	28877	0.78%	0.110%
178	11.467	11.374	11.498	VV	2575	65716	1.78%	0.250%
179	11.534	11.498	11.571	VV	4751	79370	2.15%	0.302%
180	11.623	11.571	11.674	VV	4833	102339	2.77%	0.390%
181	11.689	11.674	11.707	VV	695	10144	0.27%	0.039%
182	11.732	11.707	11.751	VV	529	12742	0.34%	0.049%
183	11.770	11.751	11.783	VV	695	11468	0.31%	0.044%
184	11.845	11.783	11.869	VV	1128	45090	1.22%	0.172%
185	11.922	11.869	11.958	VV	1732	58192	1.57%	0.222%
186	11.997	11.958	12.068	VV	1259	51612	1.40%	0.196%
187	12.104	12.068	12.114	VV	885	19916	0.54%	0.076%
188	12.186	12.114	12.232	VV	2772	117668	3.18%	0.448%
189	12.241	12.232	12.282	VV	1101	28026	0.76%	0.107%
190	12.303	12.282	12.317	VV	1016	19109	0.52%	0.073%
191	12.334	12.317	12.377	VV	1339	37147	1.00%	0.141%
192	12.417	12.377	12.454	VV	2905	74062	2.00%	0.282%
193	12.483	12.454	12.514	VV	1606	42481	1.15%	0.162%
194	12.524	12.514	12.551	VV	1223	19322	0.52%	0.074%

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195	12.611	12.551	12.644	VV	1234	53923	1.46%	0.205%
196	12.699	12.644	12.743	VV	4629	103560	2.80%	0.394%
197	12.779	12.743	12.814	VV	2115	45369	1.23%	0.173%
198	12.841	12.814	12.897	VV	4786	79619	2.15%	0.303%
199	12.907	12.897	12.923	VV	536	7701	0.21%	0.029%
200	12.955	12.923	12.974	VV	544	14765	0.40%	0.056%
201	12.981	12.974	13.029	VV	512	9253	0.25%	0.035%
202	13.043	13.029	13.055	VV	124	1354	0.04%	0.005%
203	13.062	13.055	13.074	VV	79	654	0.02%	0.002%
204	13.096	13.074	13.148	PV	606	19942	0.54%	0.076%
205	13.165	13.148	13.182	VV	451	7221	0.20%	0.027%
206	13.204	13.182	13.231	VV	665	13597	0.37%	0.052%
207	13.289	13.231	13.431	VV	284901	3698788	100.00%	14.081%
208	13.451	13.431	13.482	VV	2382	50403	1.36%	0.192%
209	13.516	13.482	13.551	VV	1549	48446	1.31%	0.184%
210	13.565	13.551	13.604	VV	1041	26663	0.72%	0.102%
211	13.614	13.604	13.630	VV	684	10113	0.27%	0.038%
212	13.667	13.630	13.691	VV	1108	32293	0.87%	0.123%
213	13.722	13.691	13.767	VV	1659	50786	1.37%	0.193%
214	13.789	13.767	13.808	VV	612	12120	0.33%	0.046%
215	13.831	13.808	13.857	VV	631	14755	0.40%	0.056%
216	13.889	13.857	13.928	VV	752	25834	0.70%	0.098%
217	13.945	13.928	13.960	VV	749	11944	0.32%	0.045%
218	13.986	13.960	14.014	VV	1919	34380	0.93%	0.131%
219	14.038	14.014	14.085	VV	5702	83062	2.25%	0.316%
220	14.090	14.085	14.148	VV	463	10345	0.28%	0.039%
221	14.165	14.148	14.218	VV	223	5597	0.15%	0.021%
222	14.264	14.218	14.298	PV	489	13068	0.35%	0.050%
223	14.305	14.298	14.318	VV	292	3328	0.09%	0.013%
224	14.332	14.318	14.354	VV	341	5575	0.15%	0.021%
225	14.369	14.354	14.408	VV	355	7333	0.20%	0.028%
226	14.417	14.408	14.426	VV	228	2387	0.06%	0.009%
227	14.479	14.426	14.512	VV	1449	33012	0.89%	0.126%
228	14.542	14.512	14.574	VV	706	21058	0.57%	0.080%
229	14.599	14.574	14.635	VV	3633	55766	1.51%	0.212%
230	14.668	14.635	14.681	VV	549	12145	0.33%	0.046%
231	14.728	14.681	14.784	VV	721	31838	0.86%	0.121%
232	14.798	14.784	14.828	VV	500	9236	0.25%	0.035%
233	14.851	14.828	14.871	VV	717	11567	0.31%	0.044%
234	14.913	14.871	14.932	VV	922	22677	0.61%	0.086%
235	14.949	14.932	14.974	VV	856	14018	0.38%	0.053%
236	14.992	14.974	15.034	VV	371	9190	0.25%	0.035%
237	15.095	15.034	15.112	VV	1644	28927	0.78%	0.110%
238	15.139	15.112	15.236	VV	7780	123500	3.34%	0.470%
239	15.304	15.236	15.324	VV	494	8724	0.24%	0.033%
240	15.337	15.324	15.397	VV	301	7748	0.21%	0.029%
241	15.407	15.397	15.428	VV	132	1136	0.03%	0.004%
242	15.448	15.428	15.461	PV	261	2997	0.08%	0.011%
243	15.570	15.461	15.585	VV	298	10981	0.30%	0.042%
244	15.658	15.585	15.718	VV	5919	95362	2.58%	0.363%
245	15.726	15.718	15.754	VV	301	4835	0.13%	0.018%
246	15.794	15.754	15.821	VV	508	11567	0.31%	0.044%

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247	15.841	15.821	15.874	VV	458	10303	0.28%	0.039%
248	15.882	15.874	15.895	VV	284	2755	0.07%	0.010%
249	15.977	15.895	15.994	VV	829	21883	0.59%	0.083%
250	16.014	15.994	16.078	VV	625	20462	0.55%	0.078%
251	16.121	16.078	16.133	VV	1333	19890	0.54%	0.076%
252	16.159	16.133	16.238	VV	8451	136828	3.70%	0.521%
253	16.251	16.238	16.277	VV	228	3683	0.10%	0.014%
254	16.299	16.277	16.310	VV	127	1784	0.05%	0.007%
255	16.342	16.310	16.381	PV	433	9563	0.26%	0.036%
256	16.412	16.381	16.421	VV	204	2153	0.06%	0.008%
257	16.472	16.421	16.500	VV	416	10178	0.28%	0.039%
258	16.517	16.500	16.568	VV	453	7946	0.21%	0.030%
259	16.641	16.568	16.695	PV	6485	100852	2.73%	0.384%
260	16.733	16.695	16.751	VV	275	7230	0.20%	0.028%
261	16.853	16.751	16.893	VV	481	31426	0.85%	0.120%
262	16.944	16.893	16.962	VV	699	15901	0.43%	0.061%
263	16.991	16.962	17.004	VV	565	11068	0.30%	0.042%
264	17.030	17.004	17.048	VV	531	9065	0.25%	0.035%
265	17.108	17.048	17.148	VV	8029	149426	4.04%	0.569%
266	17.161	17.148	17.183	VV	546	9313	0.25%	0.035%
267	17.210	17.183	17.248	VV	454	10380	0.28%	0.040%
268	17.293	17.248	17.303	VV	291	8230	0.22%	0.031%
269	17.348	17.303	17.366	VV	391	9300	0.25%	0.035%
270	17.402	17.366	17.414	PV	400	6948	0.19%	0.026%
271	17.557	17.414	17.611	VV	6418	133731	3.62%	0.509%
272	17.631	17.611	17.640	VV	594	8227	0.22%	0.031%
273	17.664	17.640	17.697	VV	714	16809	0.45%	0.064%
274	17.764	17.697	17.777	VV	324	11198	0.30%	0.043%
275	17.839	17.777	17.862	VV	484	10758	0.29%	0.041%
276	17.896	17.862	17.914	PV	502	10673	0.29%	0.041%
277	17.993	17.914	18.054	VV	7523	144490	3.91%	0.550%
278	18.134	18.054	18.223	VV	2026	59347	1.60%	0.226%
279	18.335	18.223	18.352	PV	365	17087	0.46%	0.065%
280	18.415	18.352	18.445	VV	5756	83790	2.27%	0.319%
281	18.500	18.445	18.525	VV	1875	37973	1.03%	0.145%
282	18.545	18.525	18.556	VV	543	7630	0.21%	0.029%
283	18.561	18.556	18.571	VV	210	1320	0.04%	0.005%
284	18.688	18.571	18.696	PV	455	8726	0.24%	0.033%
285	18.825	18.696	18.892	VV	6564	137530	3.72%	0.524%
286	18.922	18.892	18.942	PV	1272	17755	0.48%	0.068%
287	18.972	18.942	19.003	VV	901	16653	0.45%	0.063%
288	19.222	19.003	19.281	VV	4085	78925	2.13%	0.300%
289	19.329	19.281	19.342	VV	755	14734	0.40%	0.056%
290	19.608	19.342	19.661	VV	5983	264388	7.15%	1.006%
291	19.728	19.661	19.741	VV	2423	84602	2.29%	0.322%
292	19.756	19.741	19.768	VV	1929	30236	0.82%	0.115%
293	19.983	19.768	20.010	VV	6676	458101	12.39%	1.744%
294	20.028	20.010	20.053	VV	4264	103661	2.80%	0.395%
295	20.260	20.053	20.278	VV	7511	751569	20.32%	2.861%
296	20.348	20.278	20.374	VV	12152	507396	13.72%	1.932%
297	20.414	20.374	20.427	VV	9419	285409	7.72%	1.086%
298	20.704	20.427	20.731	VV	15486	2052478	55.49%	7.813%
299	21.005	20.731	21.024	VV	14953	2542457	68.74%	9.679%

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300	21.071	21.024	21.114	VV	17314	828833	22.41%	3.155%
301	21.181	21.114	21.191	VV	13993	652559	17.64%	2.484%
302	21.292	21.191	21.304	VV	13525	925438	25.02%	3.523%
303	21.311	21.304	21.372	VV	13375	511394	13.83%	1.947%
304	21.388	21.372	21.414	VV	12153	305143	8.25%	1.162%
305	21.487	21.414	21.554	VV	13146	997283	26.96%	3.796%
306	21.611	21.554	21.694	VV	11034	884511	23.91%	3.367%
307	21.772	21.694	21.784	VV	9295	503520	13.61%	1.917%

Sum of corrected areas: 26268711

Aliphatic EPH 100824.M Thu Oct 31 07:51:31 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-7		SDG No.:	P4599	
Lab Sample ID:	P4599-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.7	
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
FG014583.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.74	J	0.36	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.10		0.41	1.21	mg/kg
Aromatic C16-C21	Aromatic C16-C21	7.04		1.16	2.01	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.41	U	2.41	3.22	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.5		40 - 140	129%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	61.5		40 - 140	123%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	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:	P4599-07	Acq On:	30 Oct 2024 19:59
Client Sample ID:	EX-1-TPH-7	Operator:	YP\AJ
Data file:	FG014583.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	1278146	9.163	200	ug/ml
Aromatic C12-C16	6.390	9.089	3798551	26.115	300	ug/ml
Aromatic C16-C21	9.090	13.408	12660083	87.415	500	ug/ml
Aromatic C21-C36	13.409	18.851	2105478	14.813	800	ug/ml
Aromatic EPH	4.519	18.851	19842258	137.506		ug/ml
ortho-Terphenyl (SURR)	11.959	11.959	3864462	26.1		ug/ml
2-Bromonaphthalene (SURR)	8.015	8.015	8099783	64.52		ug/ml
2-Flurobiphenyl (SURR)	8.890	8.890	5298314	61.51		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014583.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:59
Operator : YP\AJ
Sample : P4599-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-7

Integration File: autoint1.e
Quant Time: Oct 31 06:44:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.015	8099783	64.522 ug/ml
Spiked Amount 50.000		Recovery = 129.04%	
6) S 2-Flurobiphenyl (SURR)	8.890	5298314	61.512 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 123.02%	
11) S ortho-Terphenyl (SURR)	11.959	3864462	26.101 ug/ml
Spiked Amount 50.000		Recovery = 52.20%	
Target Compounds			

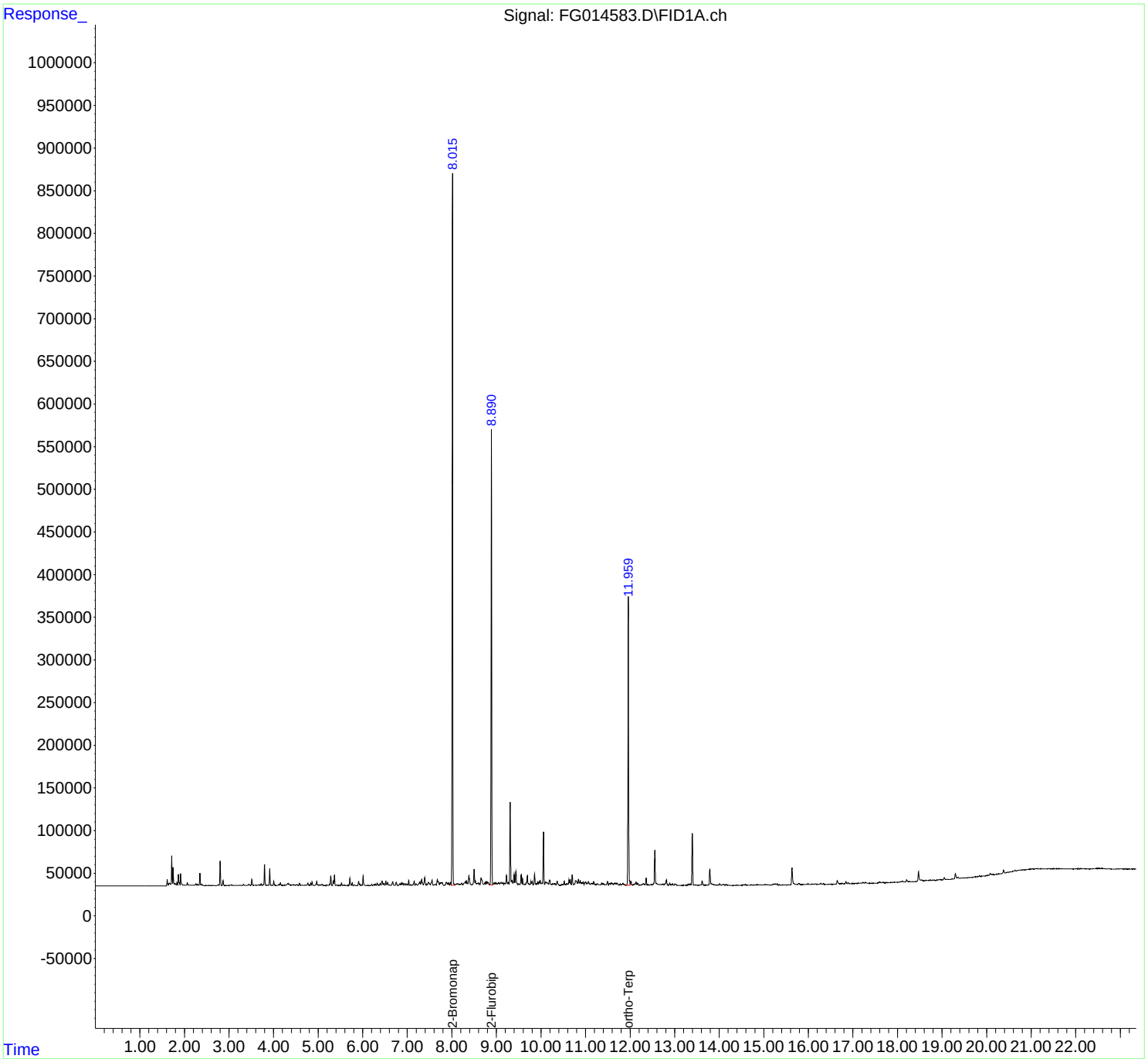
(f)=RT Delta > 1/2 Window (m)=manual int.

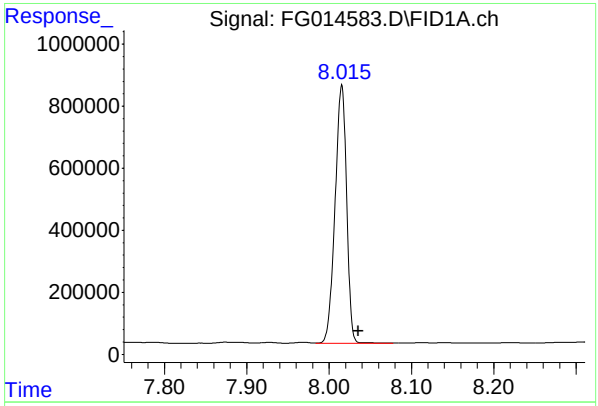
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014583.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:59
Operator : YP\AJ
Sample : P4599-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-7

Integration File: autoint1.e
Quant Time: Oct 31 06:44:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

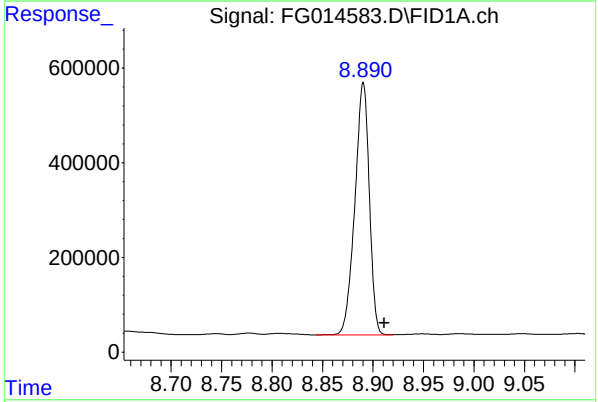




#4 2-Bromonaphthalene (SURR)

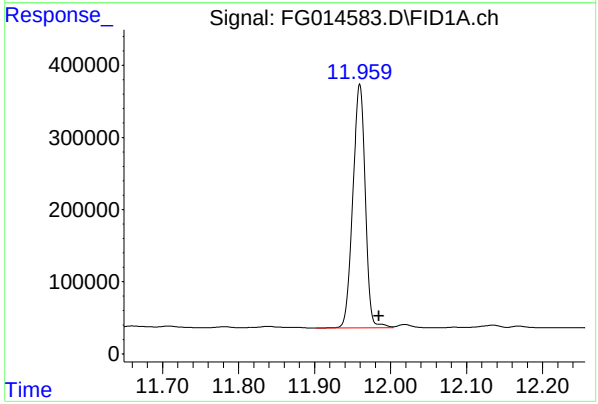
R.T.: 8.015 min
Delta R.T.: -0.020 min
Response: 8099783
Conc: 64.52 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-7



#6 2-Flurobiphenyl (SURR)

R.T.: 8.890 min
Delta R.T.: -0.021 min
Response: 5298314
Conc: 61.51 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.959 min
Delta R.T.: -0.026 min
Response: 3864462
Conc: 26.10 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014583.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 19:59
Sample : P4599-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.276	4.251	4.285	BV	603	5630	0.07%	0.017%
2	4.324	4.285	4.338	VV	2143	43872	0.54%	0.131%
3	4.349	4.338	4.371	VV	1707	21157	0.26%	0.063%
4	4.376	4.371	4.421	VV	432	9498	0.12%	0.028%
5	4.442	4.421	4.457	VV	1156	12805	0.16%	0.038%
6	4.471	4.457	4.485	VV	653	8046	0.10%	0.024%
7	4.490	4.485	4.503	VV	500	4403	0.05%	0.013%
8	4.525	4.503	4.548	VV	1035	15103	0.19%	0.045%
9	4.581	4.548	4.607	VV	2614	30892	0.38%	0.092%
10	4.620	4.607	4.636	VV	378	4601	0.06%	0.014%
11	4.658	4.636	4.681	VV	409	6912	0.09%	0.021%
12	4.708	4.681	4.724	VV	739	9026	0.11%	0.027%
13	4.736	4.724	4.743	VV	455	3512	0.04%	0.011%
14	4.770	4.743	4.793	VV	3018	37666	0.46%	0.113%
15	4.803	4.793	4.814	VV	326	3247	0.04%	0.010%
16	4.833	4.814	4.849	VV	3056	32579	0.40%	0.098%
17	4.866	4.849	4.888	VV	4521	46207	0.57%	0.138%
18	4.897	4.888	4.916	VV	241	2943	0.04%	0.009%
19	4.968	4.916	4.986	VV	4651	63208	0.78%	0.189%
20	4.995	4.986	5.016	VV	951	11466	0.14%	0.034%
21	5.044	5.016	5.063	VV	1116	18940	0.23%	0.057%
22	5.092	5.063	5.125	VV	1760	27427	0.34%	0.082%
23	5.141	5.125	5.150	VV	249	2721	0.03%	0.008%
24	5.160	5.150	5.177	VV	235	2724	0.03%	0.008%
25	5.198	5.177	5.220	VV	746	10507	0.13%	0.031%
26	5.257	5.220	5.266	VV	1928	22265	0.27%	0.067%
27	5.284	5.266	5.315	VV	11535	131115	1.61%	0.392%
28	5.340	5.315	5.352	PV	5947	62588	0.77%	0.187%
29	5.367	5.352	5.393	VV	12714	126179	1.55%	0.378%
30	5.403	5.393	5.413	VV	400	4108	0.05%	0.012%
31	5.425	5.413	5.450	VV	1132	11370	0.14%	0.034%
32	5.461	5.450	5.472	VV	205	1960	0.02%	0.006%
33	5.491	5.472	5.507	VV	872	10072	0.12%	0.030%
34	5.525	5.507	5.550	VV	3135	32230	0.40%	0.096%
35	5.571	5.550	5.583	VV	722	8162	0.10%	0.024%
36	5.595	5.583	5.614	VV	922	9988	0.12%	0.030%

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37	5.636	5.614	5.650	VV	321	5142	0.06%	0.015%
38	5.659	5.650	5.671	VV	269	2406	0.03%	0.007%
39	5.686	5.671	5.691	VV	435	3836	0.05%	0.011%
40	5.713	5.691	5.746	VV	8696	99327	1.22%	0.297%
41	5.764	5.746	5.785	VV	3520	36663	0.45%	0.110%
42	5.807	5.785	5.812	VV	700	8054	0.10%	0.024%
43	5.823	5.812	5.860	VV	895	11622	0.14%	0.035%
44	5.866	5.860	5.872	VV	166	1057	0.01%	0.003%
45	5.909	5.872	5.933	VV	5036	67894	0.84%	0.203%
46	5.943	5.933	5.961	VV	1715	16816	0.21%	0.050%
47	5.978	5.961	5.990	VV	840	9143	0.11%	0.027%
48	6.010	5.990	6.055	VV	11603	130134	1.60%	0.389%
49	6.062	6.055	6.081	VV	416	4658	0.06%	0.014%
50	6.108	6.081	6.119	VV	543	7914	0.10%	0.024%
51	6.134	6.119	6.179	VV	642	8994	0.11%	0.027%
52	6.204	6.179	6.223	PV	1910	20247	0.25%	0.061%
53	6.258	6.223	6.273	VV	1868	24956	0.31%	0.075%
54	6.288	6.273	6.306	VV	2036	22151	0.27%	0.066%
55	6.327	6.306	6.370	VV	3229	47414	0.58%	0.142%
56	6.392	6.370	6.412	VV	2486	37518	0.46%	0.112%
57	6.435	6.412	6.458	VV	5593	91138	1.12%	0.273%
58	6.476	6.458	6.500	VV	2993	41326	0.51%	0.124%
59	6.520	6.500	6.538	VV	5355	59916	0.74%	0.179%
60	6.562	6.538	6.580	VV	3794	51477	0.63%	0.154%
61	6.594	6.580	6.618	VV	954	17269	0.21%	0.052%
62	6.634	6.618	6.647	VV	745	9483	0.12%	0.028%
63	6.674	6.647	6.717	VV	4616	79571	0.98%	0.238%
64	6.753	6.717	6.780	VV	4079	65759	0.81%	0.197%
65	6.790	6.780	6.804	VV	490	5492	0.07%	0.016%
66	6.837	6.804	6.852	VV	2689	42153	0.52%	0.126%
67	6.874	6.852	6.888	VV	3355	43913	0.54%	0.131%
68	6.905	6.888	6.923	VV	3296	40938	0.50%	0.123%
69	6.949	6.923	6.967	VV	2629	39262	0.48%	0.118%
70	6.982	6.967	6.993	VV	2058	22670	0.28%	0.068%
71	7.003	6.993	7.016	VV	1627	17934	0.22%	0.054%
72	7.034	7.016	7.055	VV	6490	66246	0.82%	0.198%
73	7.075	7.055	7.099	VV	1175	18192	0.22%	0.054%
74	7.112	7.099	7.123	VV	917	9545	0.12%	0.029%
75	7.156	7.123	7.176	VV	5531	75484	0.93%	0.226%
76	7.197	7.176	7.228	VV	2201	42508	0.52%	0.127%
77	7.262	7.228	7.269	VV	2725	39457	0.49%	0.118%
78	7.284	7.269	7.301	VV	4529	62250	0.77%	0.186%
79	7.323	7.301	7.362	VV	7268	130621	1.61%	0.391%
80	7.392	7.362	7.424	VV	9436	148777	1.83%	0.445%
81	7.438	7.424	7.454	VV	1929	22859	0.28%	0.068%
82	7.476	7.454	7.518	VV	4105	94453	1.16%	0.283%
83	7.557	7.518	7.582	VV	6527	118780	1.46%	0.355%
84	7.631	7.582	7.650	VV	1777	45562	0.56%	0.136%
85	7.674	7.650	7.688	VV	7146	92564	1.14%	0.277%
86	7.696	7.688	7.721	VV	4810	66685	0.82%	0.200%
87	7.737	7.721	7.747	VV	3562	39983	0.49%	0.120%
88	7.760	7.747	7.775	VV	3338	52558	0.65%	0.157%
89	7.787	7.775	7.814	VV	3695	52485	0.65%	0.157%

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90	7.843	7.814	7.854	VV	888	14183	0.17%	0.042%
91	7.874	7.854	7.884	VV	4096	48471	0.60%	0.145%
92	7.891	7.884	7.909	VV	3395	38416	0.47%	0.115%
93	7.928	7.909	7.947	VV	3284	46258	0.57%	0.138%
94	7.968	7.947	7.984	VV	3845	48090	0.59%	0.144%
95	8.015	7.984	8.078	VV	832304	8126813	100.00%	24.322%
96	8.094	8.078	8.098	VV	1694	16444	0.20%	0.049%
97	8.112	8.098	8.127	VV	2164	33027	0.41%	0.099%
98	8.139	8.127	8.158	VV	2246	34980	0.43%	0.105%
99	8.172	8.158	8.190	VV	1654	27203	0.33%	0.081%
100	8.222	8.190	8.244	VV	2721	60302	0.74%	0.180%
101	8.309	8.244	8.322	VV	5015	133695	1.65%	0.400%
102	8.335	8.322	8.349	VV	5403	63785	0.78%	0.191%
103	8.356	8.349	8.363	VV	2481	19003	0.23%	0.057%
104	8.381	8.363	8.441	VV	11498	230000	2.83%	0.688%
105	8.502	8.441	8.520	VV	19466	272005	3.35%	0.814%
106	8.530	8.520	8.549	VV	5811	68481	0.84%	0.205%
107	8.562	8.549	8.573	VV	2762	35332	0.43%	0.106%
108	8.594	8.573	8.606	VV	3041	52760	0.65%	0.158%
109	8.617	8.606	8.634	VV	2832	38386	0.47%	0.115%
110	8.657	8.634	8.717	VV	9063	231829	2.85%	0.694%
111	8.744	8.717	8.759	VV	3614	58479	0.72%	0.175%
112	8.777	8.759	8.791	VV	4832	64685	0.80%	0.194%
113	8.807	8.791	8.843	VV	4308	85759	1.06%	0.257%
114	8.890	8.843	8.919	VV	534937	5339337	65.70%	15.979%
115	8.949	8.919	8.967	VV	3260	64995	0.80%	0.195%
116	8.986	8.967	9.014	VV	3681	73533	0.90%	0.220%
117	9.047	9.014	9.076	VV	3676	93622	1.15%	0.280%
118	9.103	9.076	9.118	VV	3945	71955	0.89%	0.215%
119	9.129	9.118	9.136	VV	2836	29026	0.36%	0.087%
120	9.150	9.136	9.166	VV	3747	51161	0.63%	0.153%
121	9.181	9.166	9.202	VV	3197	52574	0.65%	0.157%
122	9.228	9.202	9.251	VV	12265	173028	2.13%	0.518%
123	9.263	9.251	9.284	VV	3623	53738	0.66%	0.161%
124	9.310	9.284	9.333	VV	97680	1038727	12.78%	3.109%
125	9.351	9.333	9.368	VV	6218	105063	1.29%	0.314%
126	9.400	9.368	9.415	VV	13194	187522	2.31%	0.561%
127	9.438	9.415	9.484	VV	16840	270370	3.33%	0.809%
128	9.502	9.484	9.523	VV	2197	36759	0.45%	0.110%
129	9.557	9.523	9.574	VV	12912	165434	2.04%	0.495%
130	9.588	9.574	9.621	VV	8464	104317	1.28%	0.312%
131	9.638	9.621	9.655	VV	1929	29418	0.36%	0.088%
132	9.673	9.655	9.677	VV	4072	36024	0.44%	0.108%
133	9.695	9.677	9.750	VV	11709	182125	2.24%	0.545%
134	9.776	9.750	9.790	VV	4890	69854	0.86%	0.209%
135	9.803	9.790	9.827	VV	4776	61705	0.76%	0.185%
136	9.858	9.827	9.883	VV	13953	179627	2.21%	0.538%
137	9.897	9.883	9.909	VV	2398	30256	0.37%	0.091%
138	9.926	9.909	9.943	VV	4209	59875	0.74%	0.179%
139	9.958	9.943	9.970	VV	4486	52942	0.65%	0.158%
140	9.985	9.970	10.005	VV	6041	84217	1.04%	0.252%
141	10.025	10.005	10.034	VV	3097	46294	0.57%	0.139%

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142	10.057	10.034	10.082	VV	62753	667828	8.22%	1.999%
143	10.105	10.082	10.125	VV	4616	87070	1.07%	0.261%
144	10.136	10.125	10.170	VV	3414	75626	0.93%	0.226%
145	10.195	10.170	10.223	VV	6746	127149	1.56%	0.381%
146	10.228	10.223	10.244	VV	1585	17124	0.21%	0.051%
147	10.262	10.244	10.281	VV	2435	39820	0.49%	0.119%
148	10.300	10.281	10.312	VV	2583	40087	0.49%	0.120%
149	10.322	10.312	10.338	VV	2191	25997	0.32%	0.078%
150	10.365	10.338	10.421	VV	5027	100723	1.24%	0.301%
151	10.427	10.421	10.433	VV	340	2274	0.03%	0.007%
152	10.469	10.433	10.494	VV	1766	33400	0.41%	0.100%
153	10.523	10.494	10.553	VV	5467	80777	0.99%	0.242%
154	10.581	10.553	10.606	VV	2621	54311	0.67%	0.163%
155	10.631	10.606	10.644	VV	6872	93083	1.15%	0.279%
156	10.658	10.644	10.681	VV	7366	98843	1.22%	0.296%
157	10.702	10.681	10.735	VV	12864	172409	2.12%	0.516%
158	10.777	10.735	10.787	VV	6121	101567	1.25%	0.304%
159	10.797	10.787	10.821	VV	5516	86727	1.07%	0.260%
160	10.841	10.821	10.860	VV	7429	107604	1.32%	0.322%
161	10.881	10.860	10.900	VV	6028	95270	1.17%	0.285%
162	10.918	10.900	10.931	VV	3216	53287	0.66%	0.159%
163	10.950	10.931	10.968	VV	4439	66737	0.82%	0.200%
164	11.004	10.968	11.028	VV	4551	108552	1.34%	0.325%
165	11.064	11.028	11.102	VV	4378	123594	1.52%	0.370%
166	11.144	11.102	11.165	VV	2918	78469	0.97%	0.235%
167	11.183	11.165	11.210	VV	4391	68288	0.84%	0.204%
168	11.219	11.210	11.238	VV	1548	22403	0.28%	0.067%
169	11.260	11.238	11.302	VV	2227	57186	0.70%	0.171%
170	11.318	11.302	11.341	VV	1121	23412	0.29%	0.070%
171	11.363	11.341	11.381	VV	3190	49533	0.61%	0.148%
172	11.399	11.381	11.421	VV	2452	41811	0.51%	0.125%
173	11.435	11.421	11.442	VV	1192	13192	0.16%	0.039%
174	11.464	11.442	11.469	VV	1259	19240	0.24%	0.058%
175	11.494	11.469	11.515	VV	4661	70588	0.87%	0.211%
176	11.543	11.515	11.559	VV	2729	52390	0.64%	0.157%
177	11.576	11.559	11.589	VV	2974	41109	0.51%	0.123%
178	11.599	11.589	11.623	VV	2639	43292	0.53%	0.130%
179	11.639	11.623	11.645	VV	2121	23679	0.29%	0.071%
180	11.660	11.645	11.691	VV	3189	65644	0.81%	0.196%
181	11.708	11.691	11.752	VV	3048	62902	0.77%	0.188%
182	11.781	11.752	11.804	VV	2101	36761	0.45%	0.110%
183	11.839	11.804	11.866	VV	2673	57258	0.70%	0.171%
184	11.871	11.866	11.902	VV	1274	17624	0.22%	0.053%
185	11.960	11.902	12.003	VV	338694	3889407	47.86%	11.640%
186	12.019	12.003	12.063	VV	5124	79000	0.97%	0.236%
187	12.084	12.063	12.093	VV	1468	19035	0.23%	0.057%
188	12.135	12.093	12.153	VV	4298	86188	1.06%	0.258%
189	12.169	12.153	12.221	VV	3036	53820	0.66%	0.161%
190	12.239	12.221	12.256	VV	880	14561	0.18%	0.044%
191	12.293	12.256	12.320	VV	2176	60039	0.74%	0.180%
192	12.328	12.320	12.337	VV	1315	12362	0.15%	0.037%
193	12.360	12.337	12.384	VV	8746	111100	1.37%	0.332%
194	12.400	12.384	12.425	VV	1243	20339	0.25%	0.061%

195	12.459	12.425	12.499	VV	1113	38098	0.47%	0.114%
196	12.555	12.499	12.628	VV	41054	599001	7.37%	1.793%
197	12.635	12.628	12.654	VV	1427	19651	0.24%	0.059%
198	12.685	12.654	12.703	VV	1305	33774	0.42%	0.101%
199	12.733	12.703	12.761	VV	1767	42343	0.52%	0.127%
200	12.815	12.761	12.843	VV	6812	136447	1.68%	0.408%
201	12.848	12.843	12.863	VV	596	6956	0.09%	0.021%
202	12.888	12.863	12.910	VV	3111	43657	0.54%	0.131%
203	12.925	12.910	12.930	VV	946	9068	0.11%	0.027%
204	12.950	12.930	12.975	VV	2116	33089	0.41%	0.099%
205	12.980	12.975	12.985	VV	599	3441	0.04%	0.010%
206	13.006	12.985	13.065	VV	1789	46090	0.57%	0.138%
207	13.093	13.077	13.108	VV	252	3330	0.04%	0.010%
208	13.122	13.108	13.154	VV	185	3962	0.05%	0.012%
209	13.179	13.154	13.190	VV	329	4762	0.06%	0.014%
210	13.226	13.190	13.264	VV	498	16364	0.20%	0.049%
211	13.271	13.264	13.282	VV	292	2833	0.03%	0.008%
212	13.303	13.282	13.325	VV	1916	25624	0.32%	0.077%
213	13.345	13.325	13.366	VV	2169	32794	0.40%	0.098%
214	13.395	13.366	13.427	VV	61157	736297	9.06%	2.204%
215	13.445	13.427	13.490	VV	729	22025	0.27%	0.066%
216	13.495	13.490	13.501	VV	384	2553	0.03%	0.008%
217	13.505	13.501	13.527	VV	356	5135	0.06%	0.015%
218	13.532	13.527	13.538	VV	328	1856	0.02%	0.006%
219	13.566	13.538	13.573	VV	750	11723	0.14%	0.035%
220	13.577	13.573	13.591	VV	779	7880	0.10%	0.024%
221	13.616	13.591	13.664	VV	5496	84789	1.04%	0.254%
222	13.685	13.664	13.693	VV	669	8738	0.11%	0.026%
223	13.697	13.693	13.709	VV	593	5561	0.07%	0.017%
224	13.714	13.709	13.748	VV	586	11825	0.15%	0.035%
225	13.789	13.748	13.825	VV	19034	263560	3.24%	0.789%
226	13.832	13.825	13.878	VV	1871	46533	0.57%	0.139%
227	13.896	13.878	13.926	VV	922	20362	0.25%	0.061%
228	13.943	13.926	13.951	VV	616	8354	0.10%	0.025%
229	13.968	13.951	13.982	VV	665	10673	0.13%	0.032%
230	14.007	13.982	14.049	VV	1999	40764	0.50%	0.122%
231	14.097	14.049	14.125	VV	1702	38918	0.48%	0.116%
232	14.151	14.125	14.188	VV	1529	29759	0.37%	0.089%
233	14.208	14.188	14.229	VV	400	7120	0.09%	0.021%
234	14.238	14.229	14.243	VV	260	1846	0.02%	0.006%
235	14.247	14.243	14.262	VV	251	2205	0.03%	0.007%
236	14.267	14.262	14.293	VV	157	2077	0.03%	0.006%
237	14.369	14.345	14.375	VV	332	3552	0.04%	0.011%
238	14.401	14.375	14.414	VV	370	6926	0.09%	0.021%
239	14.418	14.414	14.437	VV	280	2608	0.03%	0.008%
240	14.449	14.437	14.462	VV	170	2247	0.03%	0.007%
241	14.486	14.462	14.519	VV	291	7613	0.09%	0.023%
242	14.542	14.519	14.563	VV	992	15877	0.20%	0.048%
243	14.585	14.563	14.608	VV	1337	22438	0.28%	0.067%
244	14.614	14.608	14.631	VV	526	6410	0.08%	0.019%
245	14.648	14.631	14.659	VV	459	6675	0.08%	0.020%
246	14.669	14.659	14.676	VV	403	3740	0.05%	0.011%

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247	14.680	14.676	14.696	VV	439	4598	0.06%	0.014%
248	14.715	14.696	14.759	VV	836	18785	0.23%	0.056%
249	14.774	14.759	14.790	VV	644	8787	0.11%	0.026%
250	14.810	14.790	14.821	VV	627	9840	0.12%	0.029%
251	14.846	14.821	14.858	VV	707	13860	0.17%	0.041%
252	14.873	14.858	14.901	VV	778	15742	0.19%	0.047%
253	14.908	14.901	14.913	VV	486	3194	0.04%	0.010%
254	14.919	14.913	14.936	VV	489	6423	0.08%	0.019%
255	14.956	14.936	14.963	VV	515	7386	0.09%	0.022%
256	14.971	14.963	14.984	VV	504	5863	0.07%	0.018%
257	15.002	14.984	15.009	VV	575	7796	0.10%	0.023%
258	15.029	15.009	15.055	VV	1121	21961	0.27%	0.066%
259	15.064	15.055	15.082	VV	730	9330	0.11%	0.028%
260	15.094	15.082	15.101	VV	459	4838	0.06%	0.014%
261	15.106	15.101	15.132	VV	500	7376	0.09%	0.022%
262	15.136	15.132	15.151	VV	365	3299	0.04%	0.010%
263	15.181	15.151	15.196	VV	716	11596	0.14%	0.035%
264	15.219	15.196	15.238	VV	1490	26353	0.32%	0.079%
265	15.254	15.238	15.274	VV	1892	27541	0.34%	0.082%
266	15.300	15.274	15.332	VV	1848	30439	0.37%	0.091%
267	15.351	15.332	15.381	VV	469	8317	0.10%	0.025%
268	15.392	15.381	15.404	VV	171	1388	0.02%	0.004%
269	15.426	15.404	15.458	PV	592	10423	0.13%	0.031%
270	15.462	15.458	15.471	VV	233	1629	0.02%	0.005%
271	15.494	15.478	15.512	VV	303	4910	0.06%	0.015%
272	15.549	15.512	15.583	VV	399	9896	0.12%	0.030%
273	15.632	15.583	15.729	VV	20387	331713	4.08%	0.993%
274	15.736	15.729	15.741	VV	584	3831	0.05%	0.011%
275	15.745	15.741	15.750	VV	567	2803	0.03%	0.008%
276	15.793	15.750	15.818	VV	1604	40423	0.50%	0.121%
277	15.825	15.818	15.838	VV	529	5584	0.07%	0.017%
278	15.854	15.838	15.870	VV	516	7803	0.10%	0.023%
279	15.873	15.870	15.878	VV	302	1379	0.02%	0.004%
280	15.900	15.878	15.950	VV	509	18154	0.22%	0.054%
281	15.991	15.950	16.021	VV	1156	28041	0.35%	0.084%
282	16.025	16.021	16.046	VV	414	5331	0.07%	0.016%
283	16.099	16.046	16.119	VV	669	21401	0.26%	0.064%
284	16.148	16.119	16.153	VV	911	14696	0.18%	0.044%
285	16.157	16.153	16.207	VV	907	18091	0.22%	0.054%
286	16.238	16.207	16.256	VV	627	12363	0.15%	0.037%
287	16.278	16.256	16.314	VV	1794	30500	0.38%	0.091%
288	16.335	16.314	16.383	VV	1223	22446	0.28%	0.067%
289	16.422	16.407	16.433	PV	140	1535	0.02%	0.005%
290	16.461	16.433	16.498	VV	336	9289	0.11%	0.028%
291	16.509	16.498	16.514	VV	146	1027	0.01%	0.003%
292	16.567	16.538	16.575	PV	229	3333	0.04%	0.010%
293	16.576	16.575	16.595	VV	208	1808	0.02%	0.005%
294	16.613	16.595	16.619	VV	200	1669	0.02%	0.005%
295	16.647	16.619	16.711	VV	4467	89413	1.10%	0.268%
296	16.758	16.711	16.785	VV	1051	29909	0.37%	0.090%
297	16.841	16.785	16.867	VV	3026	50775	0.62%	0.152%
298	16.892	16.867	16.944	VV	1724	36071	0.44%	0.108%
299	16.973	16.944	16.978	VV	483	8195	0.10%	0.025%

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300	16.983	16.978	17.005	VV	434	5752	0.07%	0.017%
301	17.057	17.005	17.086	VV	853	22823	0.28%	0.068%
302	17.120	17.086	17.161	VV	865	24677	0.30%	0.074%
303	17.167	17.161	17.175	VV	580	4204	0.05%	0.013%
304	17.192	17.175	17.205	VV	932	13151	0.16%	0.039%
305	17.227	17.205	17.252	VV	1510	26417	0.33%	0.079%
306	17.279	17.252	17.326	VV	1739	36823	0.45%	0.110%
307	17.330	17.326	17.343	VV	340	3190	0.04%	0.010%
308	17.346	17.343	17.384	VV	330	4613	0.06%	0.014%
309	17.397	17.384	17.411	VV	183	1795	0.02%	0.005%
310	17.514	17.451	17.521	PV	185	3485	0.04%	0.010%
311	17.592	17.521	17.636	VV	1634	39938	0.49%	0.120%
312	17.675	17.636	17.700	VV	1116	22010	0.27%	0.066%
313	17.773	17.737	17.780	PV	330	5502	0.07%	0.016%
314	17.784	17.780	17.814	VV	304	2860	0.04%	0.009%
315	17.853	17.814	17.880	VV	415	6388	0.08%	0.019%
316	17.905	17.880	17.921	VV	474	6880	0.08%	0.021%
317	17.929	17.921	17.935	VV	236	1278	0.02%	0.004%
318	17.976	17.935	17.993	VV	358	7789	0.10%	0.023%
319	18.046	18.020	18.051	VV	406	5001	0.06%	0.015%
320	18.084	18.051	18.093	VV	732	13059	0.16%	0.039%
321	18.115	18.093	18.152	VV	1406	21497	0.26%	0.064%
322	18.205	18.168	18.230	VV	2456	34851	0.43%	0.104%

Sum of corrected areas: 33413819

Aromatic EPH 102124.M Thu Oct 31 07:12:39 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-8			SDG No.:	P4599
Lab Sample ID:	P4599-08			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.4
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
10/30/24 08:20	10/31/24 20:05	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	160		10	4.50	11.8	mg/kg	FE050953.D
Aliphatic C12-C16	Aliphatic C12-C16	527		50	14.2	39.4	mg/kg	FE050954.D
Aliphatic C16-C21	Aliphatic C16-C21	301		50	17.7	59.2	mg/kg	FE050954.D
Aliphatic C21-C28	Aliphatic C21-C28	16.1		1	0.95	1.58	mg/kg	FE050929.D
Aliphatic C28-C40	Aliphatic C28-C40	6.65		1	2.13	2.37	mg/kg	FE050929.D
Aromatic C10-C12	Aromatic C10-C12	59.8		20	7.10	15.8	mg/kg	FG014611.D
Aromatic C12-C16	Aromatic C12-C16	275		20	8.05	23.7	mg/kg	FG014611.D
Aromatic C16-C21	Aromatic C16-C21	548		20	22.7	39.4	mg/kg	FG014611.D
Aromatic C21-C36	Aromatic C21-C36	20.6		1	2.37	3.16	mg/kg	FG014584.D
Total AliphaticEPH	Total AliphaticEPH	1010			39.5	114	mg/kg	
Total AromaticEPH	Total AromaticEPH	903			40.2	82.1	mg/kg	
Total EPH	Total EPH	1910			79.7	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:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-8		SDG No.:	P4599	
Lab Sample ID:	P4599-08		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.4	
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
FE050929.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	143	E	0.45	1.18	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	448	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	264	E	0.36	1.18	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.1		0.95	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.65		2.13	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.8		40 - 140	84%	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:	P4599-08	Acq On:	31 Oct 2024 07:30
Client Sample ID:	EX-1-TPH-8	Operator:	YP\AJ
Data file:	FE050929.D	Misc:	
Instrument:	FID_E	ALS Vial:	38
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	260390075	1820	300	ug/ml
Aliphatic C12-C16	6.763	10.194	824183022	5680	200	ug/ml
Aliphatic C16-C21	10.195	13.554	483343950	3350	300	ug/ml
Aliphatic C21-C28	13.555	17.208	28969554	203.789	400	ug/ml
Aliphatic C28-C40	17.209	22.057	11660119	84.308	600	ug/ml
Aliphatic EPH	3.144	22.057	1608546720	11100		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4945288	41.81		ug/ml
Aliphatic C9-C28	3.144	17.208	1596886601	11100	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050929.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 07:30
Operator : YP\AJ
Sample : P4599-08
Misc :
ALS Vial : 38 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Oct 31 09:15:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.293	4945288	41.805 ug/ml
Spiked Amount 50.000		Recovery = 83.61%	
Target Compounds			

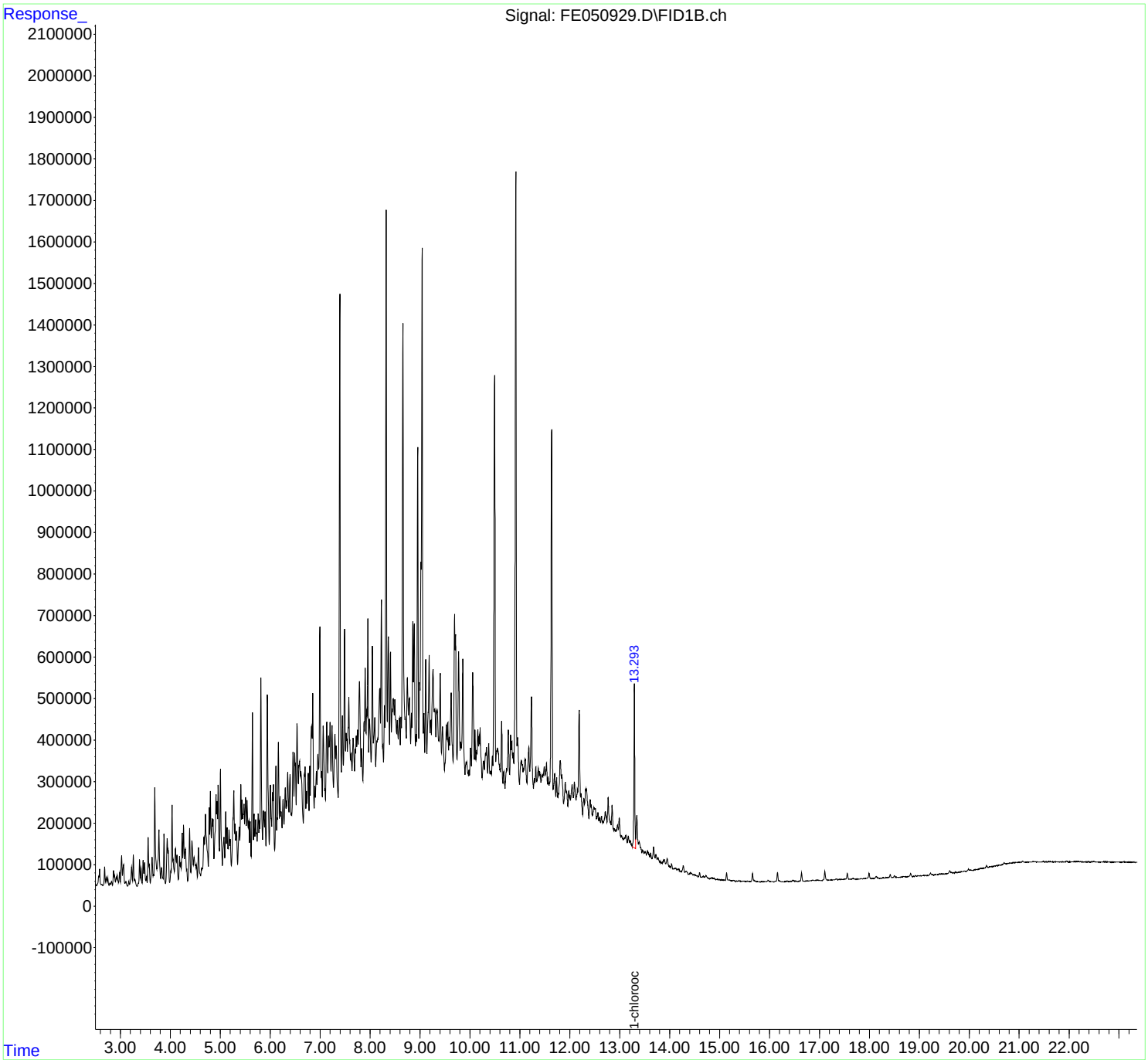
(f)=RT Delta > 1/2 Window (m)=manual int.

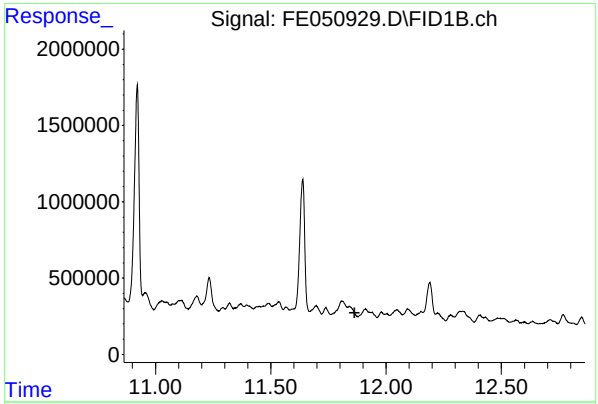
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050929.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 07:30
Operator : YP\AJ
Sample : P4599-08
Misc :
ALS Vial : 38 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Oct 31 09:15:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

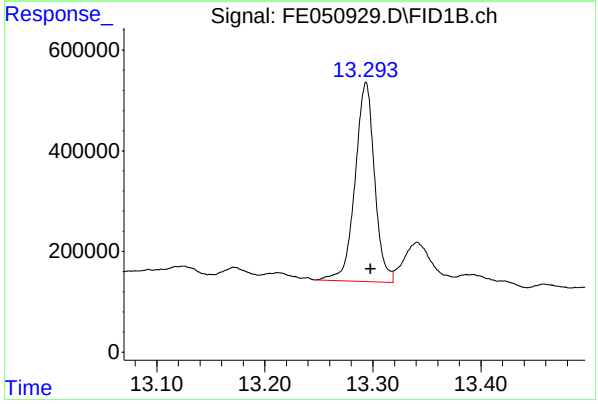




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

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



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.004 min
Response: 4945288
Conc: 41.81 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050929.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 07:30
Sample : P4599-08
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.583	2.525	2.618	PV	38780	652024	1.72%	0.040%
2	2.629	2.618	2.648	PV	2363	19354	0.05%	0.001%
3	2.684	2.648	2.701	PV	46085	523927	1.38%	0.032%
4	2.718	2.701	2.733	VV	21224	287653	0.76%	0.018%
5	2.747	2.733	2.771	VV	19607	247864	0.65%	0.015%
6	2.788	2.771	2.801	VV	6980	78820	0.21%	0.005%
7	2.822	2.801	2.840	VV	11225	158919	0.42%	0.010%
8	2.862	2.840	2.900	VV	37613	719151	1.90%	0.044%
9	2.936	2.900	2.961	VV	26316	629209	1.66%	0.039%
10	2.984	2.961	2.999	VV	33231	432619	1.14%	0.027%
11	3.024	2.999	3.041	VV	73585	1105174	2.92%	0.068%
12	3.063	3.041	3.095	VV	52932	961303	2.54%	0.059%
13	3.110	3.095	3.142	VV	11818	177627	0.47%	0.011%
14	3.168	3.142	3.185	VV	12197	145415	0.38%	0.009%
15	3.224	3.185	3.242	VV	46414	770318	2.03%	0.047%
16	3.259	3.242	3.278	VV	76247	887768	2.35%	0.055%
17	3.288	3.278	3.333	VV	17320	296494	0.78%	0.018%
18	3.384	3.333	3.401	PV	64636	840688	2.22%	0.052%
19	3.414	3.401	3.434	VV	44798	531870	1.41%	0.033%
20	3.455	3.434	3.470	VV	62835	798404	2.11%	0.049%
21	3.485	3.470	3.509	VV	57321	809385	2.14%	0.050%
22	3.523	3.509	3.536	VV	24156	280412	0.74%	0.017%
23	3.556	3.536	3.599	VV	117805	1933465	5.11%	0.119%
24	3.635	3.599	3.667	VV	70430	1451242	3.83%	0.089%
25	3.689	3.667	3.730	VV	237107	3688682	9.74%	0.227%
26	3.771	3.730	3.805	VV	136212	2944158	7.78%	0.181%
27	3.824	3.805	3.854	VV	44551	884063	2.34%	0.054%
28	3.874	3.854	3.902	VV	126092	1445519	3.82%	0.089%
29	3.938	3.902	3.986	VV	115103	2846351	7.52%	0.175%
30	4.035	3.986	4.081	VV	195100	3577051	9.45%	0.220%
31	4.103	4.081	4.122	VV	91313	1622398	4.29%	0.100%
32	4.134	4.122	4.162	VV	75200	1123948	2.97%	0.069%
33	4.185	4.162	4.218	VV	71641	1586436	4.19%	0.098%
34	4.236	4.218	4.249	VV	127426	1620493	4.28%	0.100%
35	4.265	4.249	4.282	VV	146955	2037343	5.38%	0.126%
36	4.301	4.282	4.348	VV	89204	2185805	5.77%	0.135%

37	4.387	4.348	4.411	VV	139616	2297827	6.07%	0.142%
38	4.435	4.411	4.460	VV	108701	2147429	5.67%	0.132%
39	4.476	4.460	4.542	VV	69203	2486832	6.57%	0.153%
40	4.564	4.542	4.607	VV	92426	1862040	4.92%	0.115%
41	4.626	4.607	4.634	VV	42561	583906	1.54%	0.036%
42	4.673	4.634	4.686	VV	117461	2365128	6.25%	0.146%
43	4.704	4.686	4.760	VV	172981	4820416	12.73%	0.297%
44	4.779	4.760	4.789	VV	188797	2205366	5.83%	0.136%
45	4.802	4.789	4.822	VV	227924	3250409	8.59%	0.200%
46	4.839	4.822	4.849	VV	162696	2257803	5.96%	0.139%
47	4.856	4.849	4.875	VV	159386	1917400	5.07%	0.118%
48	4.915	4.875	4.925	VV	219706	4289008	11.33%	0.264%
49	4.935	4.925	4.946	VV	203471	2292389	6.06%	0.141%
50	4.958	4.946	4.983	VV	242747	3593361	9.49%	0.221%
51	5.004	4.983	5.042	VV	280918	5046413	13.33%	0.311%
52	5.074	5.042	5.091	VV	117585	2604194	6.88%	0.160%
53	5.110	5.091	5.125	VV	178787	2580169	6.82%	0.159%
54	5.138	5.125	5.161	VV	140484	2363751	6.24%	0.146%
55	5.176	5.161	5.190	VV	134495	1944262	5.14%	0.120%
56	5.200	5.190	5.222	VV	113005	1663171	4.39%	0.102%
57	5.271	5.222	5.309	VV	228520	7083546	18.71%	0.436%
58	5.327	5.309	5.348	VV	132041	2421283	6.40%	0.149%
59	5.380	5.348	5.392	VV	141638	2777651	7.34%	0.171%
60	5.413	5.392	5.426	VV	244329	3728445	9.85%	0.230%
61	5.437	5.426	5.449	VV	206470	2479948	6.55%	0.153%
62	5.474	5.449	5.487	VV	196753	4021665	10.62%	0.248%
63	5.507	5.487	5.522	VV	213191	3810696	10.07%	0.235%
64	5.536	5.522	5.561	VV	205469	3930437	10.38%	0.242%
65	5.572	5.561	5.586	VV	156768	2065869	5.46%	0.127%
66	5.599	5.586	5.618	VV	154771	2265972	5.99%	0.140%
67	5.646	5.618	5.665	VV	413100	6090854	16.09%	0.375%
68	5.678	5.665	5.694	VV	172726	2502935	6.61%	0.154%
69	5.709	5.694	5.739	VV	158356	3513205	9.28%	0.216%
70	5.761	5.739	5.775	VV	173185	3087306	8.16%	0.190%
71	5.785	5.775	5.793	VV	157273	1604730	4.24%	0.099%
72	5.814	5.793	5.848	VV	499421	8409138	22.21%	0.518%
73	5.865	5.848	5.885	VV	179748	3457107	9.13%	0.213%
74	5.898	5.885	5.915	VV	177997	2577574	6.81%	0.159%
75	5.944	5.915	5.982	VV	459446	9432162	24.92%	0.581%
76	6.004	5.982	6.030	VV	241939	5048280	13.34%	0.311%
77	6.065	6.030	6.090	VV	242183	6415297	16.95%	0.395%
78	6.115	6.090	6.131	VV	287593	4321673	11.42%	0.266%
79	6.165	6.131	6.185	VV	345027	7021292	18.55%	0.433%
80	6.197	6.185	6.211	VV	214056	2994321	7.91%	0.184%
81	6.220	6.211	6.238	VV	178371	2641029	6.98%	0.163%
82	6.257	6.238	6.277	VV	207018	4077169	10.77%	0.251%
83	6.302	6.277	6.317	VV	235754	4718906	12.47%	0.291%
84	6.351	6.317	6.376	VV	272713	7638054	20.18%	0.471%
85	6.398	6.376	6.430	VV	265737	6725360	17.77%	0.414%
86	6.459	6.430	6.477	VV	321008	6862415	18.13%	0.423%
87	6.492	6.477	6.520	VV	319892	7022798	18.55%	0.433%
88	6.539	6.520	6.564	VV	390306	7748871	20.47%	0.477%
89	6.588	6.564	6.606	VV	298827	7043037	18.61%	0.434%

90	6.616	6.606	6.663	VV	274109	7814875	20.64%	0.481%
91	6.700	6.663	6.716	VV	286738	7291326	19.26%	0.449%
92	6.728	6.716	6.739	VV	226588	2865867	7.57%	0.177%
93	6.763	6.739	6.779	VV	271205	5576328	14.73%	0.344%
94	6.793	6.779	6.804	VV	287001	3621681	9.57%	0.223%
95	6.829	6.804	6.840	VV	382659	7336563	19.38%	0.452%
96	6.853	6.840	6.881	VV	461700	7949027	21.00%	0.490%
97	6.895	6.881	6.905	VV	238779	3178468	8.40%	0.196%
98	6.927	6.905	6.938	VV	273782	4883295	12.90%	0.301%
99	6.955	6.938	6.971	VV	315141	5685358	15.02%	0.350%
100	6.995	6.971	7.044	VV	621897	15642312	41.32%	0.964%
101	7.063	7.044	7.107	VV	381875	10737517	28.37%	0.662%
102	7.134	7.107	7.154	VV	392642	8777392	23.19%	0.541%
103	7.170	7.154	7.181	VV	359063	5418598	14.31%	0.334%
104	7.200	7.181	7.218	VV	392437	7645327	20.20%	0.471%
105	7.239	7.218	7.268	VV	383183	9347271	24.69%	0.576%
106	7.297	7.268	7.312	VV	363469	8006125	21.15%	0.493%
107	7.323	7.312	7.361	VV	333995	8258151	21.82%	0.509%
108	7.395	7.361	7.426	VV	1418358	23678086	62.55%	1.459%
109	7.447	7.426	7.466	VV	409629	8332107	22.01%	0.513%
110	7.491	7.466	7.509	VV	617205	11130670	29.40%	0.686%
111	7.522	7.509	7.547	VV	365680	7771938	20.53%	0.479%
112	7.576	7.547	7.609	VV	449536	13756253	36.34%	0.847%
113	7.621	7.609	7.639	VV	316049	5552810	14.67%	0.342%
114	7.662	7.639	7.690	VV	353817	9593038	25.34%	0.591%
115	7.724	7.690	7.735	VV	358735	8734970	23.08%	0.538%
116	7.750	7.735	7.762	VV	372270	5814818	15.36%	0.358%
117	7.789	7.762	7.820	VV	489854	13752411	36.33%	0.847%
118	7.834	7.820	7.856	VV	328543	6346299	16.77%	0.391%
119	7.904	7.856	7.921	VV	523448	14904897	39.37%	0.918%
120	7.958	7.921	7.975	VV	642630	14791159	39.07%	0.911%
121	7.989	7.975	8.022	VV	398484	10196361	26.94%	0.628%
122	8.048	8.022	8.068	VV	573961	11480588	30.33%	0.707%
123	8.096	8.068	8.115	VV	401788	9997877	26.41%	0.616%
124	8.194	8.115	8.210	VV	472417	21598106	57.06%	1.331%
125	8.228	8.210	8.270	VV	686022	16190320	42.77%	0.997%
126	8.324	8.270	8.346	VV	1632782	30324186	80.11%	1.868%
127	8.368	8.346	8.391	VV	597605	12962622	34.24%	0.799%
128	8.410	8.391	8.430	VV	560402	10333186	27.30%	0.637%
129	8.465	8.430	8.485	VV	447788	14092482	37.23%	0.868%
130	8.498	8.485	8.532	VV	445649	11316128	29.89%	0.697%
131	8.546	8.532	8.565	VV	395772	7433938	19.64%	0.458%
132	8.589	8.565	8.606	VV	400993	9372923	24.76%	0.577%
133	8.621	8.606	8.630	VV	403376	5308374	14.02%	0.327%
134	8.659	8.630	8.726	VV	1342175	34924736	92.26%	2.152%
135	8.748	8.726	8.770	VV	498053	11482840	30.33%	0.707%
136	8.788	8.770	8.814	VV	446767	10922111	28.85%	0.673%
137	8.857	8.814	8.870	VV	633423	15366197	40.59%	0.947%
138	8.885	8.870	8.911	VV	626872	12240414	32.34%	0.754%
139	8.955	8.911	8.978	VV	1051163	21912928	57.89%	1.350%
140	9.044	8.978	9.066	VV	1545112	37854049	100.00%	2.332%
141	9.079	9.066	9.097	VV	410502	6825537	18.03%	0.421%

142	9.116	9.097	9.139	VV	540866	10695983	28.26%	0.659%
143	9.185	9.139	9.203	VV	552138	16198019	42.79%	0.998%
144	9.216	9.203	9.231	VV	395638	6407918	16.93%	0.395%
145	9.262	9.231	9.319	VV	516559	23049412	60.89%	1.420%
146	9.338	9.319	9.376	VV	419718	13212754	34.90%	0.814%
147	9.407	9.376	9.432	VV	509493	13304073	35.15%	0.820%
148	9.453	9.432	9.492	VV	377578	11943428	31.55%	0.736%
149	9.529	9.492	9.544	VV	383559	10392571	27.45%	0.640%
150	9.558	9.544	9.574	VV	389809	6528546	17.25%	0.402%
151	9.586	9.574	9.594	VV	353972	3996903	10.56%	0.246%
152	9.626	9.594	9.663	VV	460400	15549266	41.08%	0.958%
153	9.694	9.663	9.705	VV	648043	11837597	31.27%	0.729%
154	9.711	9.705	9.743	VV	598302	10076232	26.62%	0.621%
155	9.776	9.743	9.806	VV	561162	15500947	40.95%	0.955%
156	9.816	9.806	9.827	VV	341734	4172679	11.02%	0.257%
157	9.859	9.827	9.903	VV	540236	16932928	44.73%	1.043%
158	9.935	9.903	9.972	VV	293616	11542388	30.49%	0.711%
159	9.982	9.972	9.992	VV	274891	3223714	8.52%	0.199%
160	10.014	9.992	10.031	VV	326630	7076895	18.70%	0.436%
161	10.058	10.031	10.089	VV	509204	13583156	35.88%	0.837%
162	10.103	10.089	10.121	VV	369975	6429880	16.99%	0.396%
163	10.160	10.121	10.172	VV	372195	10088429	26.65%	0.622%
164	10.182	10.172	10.192	VV	354682	4080532	10.78%	0.251%
165	10.205	10.192	10.245	VV	376266	10272771	27.14%	0.633%
166	10.274	10.245	10.292	VV	293705	7846348	20.73%	0.483%
167	10.333	10.292	10.357	VV	327231	11673550	30.84%	0.719%
168	10.378	10.357	10.405	VV	337562	8506914	22.47%	0.524%
169	10.451	10.405	10.460	VV	306943	9320287	24.62%	0.574%
170	10.495	10.460	10.521	VV	1220664	24385671	64.42%	1.502%
171	10.549	10.521	10.610	VV	326694	16281422	43.01%	1.003%
172	10.637	10.610	10.661	VV	391593	9350180	24.70%	0.576%
173	10.679	10.661	10.705	VV	270118	6590888	17.41%	0.406%
174	10.770	10.705	10.797	VV	371418	16011950	42.30%	0.986%
175	10.818	10.797	10.830	VV	358031	6248941	16.51%	0.385%
176	10.839	10.830	10.855	VV	343518	4930681	13.03%	0.304%
177	10.864	10.855	10.880	VV	315671	4636857	12.25%	0.286%
178	10.921	10.880	10.945	VV	1716864	30957714	81.78%	1.907%
179	10.956	10.945	10.993	VV	351250	8910257	23.54%	0.549%
180	11.028	10.993	11.064	VV	297167	11873200	31.37%	0.731%
181	11.103	11.064	11.142	VV	298691	12973925	34.27%	0.799%
182	11.180	11.142	11.200	VV	328346	10039118	26.52%	0.618%
183	11.233	11.200	11.274	VV	448095	13984371	36.94%	0.862%
184	11.292	11.274	11.302	VV	253131	4087471	10.80%	0.252%
185	11.321	11.302	11.338	VV	281270	5681533	15.01%	0.350%
186	11.370	11.338	11.385	VV	278265	7316179	19.33%	0.451%
187	11.396	11.385	11.425	VV	269747	6269124	16.56%	0.386%
188	11.490	11.425	11.505	VV	280438	12569880	33.21%	0.774%
189	11.535	11.505	11.554	VV	290902	8048573	21.26%	0.496%
190	11.566	11.554	11.583	VV	256050	4239737	11.20%	0.261%
191	11.638	11.583	11.669	VV	1094224	24745881	65.37%	1.525%
192	11.696	11.669	11.721	VV	264092	7523558	19.88%	0.464%
193	11.739	11.721	11.761	VV	253128	5413197	14.30%	0.333%
194	11.809	11.761	11.833	VV	296050	10879845	28.74%	0.670%

195	11.842	11.833	11.877	VV	261417	6205644	16.39%	0.382%
196	11.910	11.877	11.961	VV	243602	10867492	28.71%	0.670%
197	11.980	11.961	12.015	VV	221553	6785355	17.93%	0.418%
198	12.047	12.015	12.072	VV	238363	7424323	19.61%	0.457%
199	12.094	12.072	12.127	VV	242660	7341052	19.39%	0.452%
200	12.189	12.127	12.216	VV	415214	14295498	37.76%	0.881%
201	12.224	12.216	12.259	VV	215752	4985267	13.17%	0.307%
202	12.280	12.259	12.296	VV	203645	4277652	11.30%	0.264%
203	12.333	12.296	12.382	VV	227681	10409048	27.50%	0.641%
204	12.406	12.382	12.422	VV	201871	4481416	11.84%	0.276%
205	12.430	12.422	12.458	VV	188108	3752126	9.91%	0.231%
206	12.486	12.458	12.537	VV	181501	8245439	21.78%	0.508%
207	12.565	12.537	12.581	VV	169224	4288776	11.33%	0.264%
208	12.599	12.581	12.618	VV	157140	3353201	8.86%	0.207%
209	12.636	12.618	12.668	VV	159972	4551948	12.02%	0.280%
210	12.712	12.668	12.745	VV	172369	7239071	19.12%	0.446%
211	12.768	12.745	12.828	VV	205251	8156132	21.55%	0.502%
212	12.848	12.828	12.926	VV	187675	8386985	22.16%	0.517%
213	12.955	12.926	12.971	VV	138736	3556600	9.40%	0.219%
214	12.991	12.971	13.071	VV	156500	7308026	19.31%	0.450%
215	13.123	13.071	13.151	VV	115219	5122460	13.53%	0.316%
216	13.172	13.151	13.195	VV	112626	2781769	7.35%	0.171%
217	13.212	13.195	13.247	VV	101931	3011972	7.96%	0.186%
218	13.293	13.247	13.319	VV	481841	8577870	22.66%	0.528%
219	13.341	13.319	13.376	VV	162209	4255076	11.24%	0.262%
220	13.390	13.376	13.443	VV	97756	3562189	9.41%	0.219%
221	13.459	13.443	13.484	VV	79057	1857950	4.91%	0.114%
222	13.506	13.484	13.534	VV	75899	2164726	5.72%	0.133%
223	13.554	13.534	13.608	VV	76775	3106734	8.21%	0.191%
224	13.618	13.608	13.647	VV	71032	1494446	3.95%	0.092%
225	13.677	13.647	13.705	VV	86371	2434496	6.43%	0.150%
226	13.724	13.705	13.750	VV	67876	1696470	4.48%	0.105%
227	13.767	13.750	13.850	VV	60738	3150851	8.32%	0.194%
228	13.893	13.850	13.921	VV	55949	2166828	5.72%	0.133%
229	13.949	13.921	14.017	VV	58179	2618745	6.92%	0.161%
230	14.038	14.017	14.068	VV	45145	1191705	3.15%	0.073%
231	14.090	14.068	14.105	VV	33933	745737	1.97%	0.046%
232	14.122	14.105	14.153	VV	35403	944786	2.50%	0.058%
233	14.180	14.153	14.232	VV	32497	1413217	3.73%	0.087%
234	14.271	14.232	14.311	VV	40452	1452416	3.84%	0.089%
235	14.332	14.311	14.392	VV	27418	1148397	3.03%	0.071%
236	14.418	14.392	14.463	VV	24081	910367	2.40%	0.056%
237	14.481	14.463	14.496	VV	19415	373091	0.99%	0.023%
238	14.508	14.496	14.531	VV	18954	372653	0.98%	0.023%
239	14.544	14.531	14.573	VV	16717	394276	1.04%	0.024%
240	14.599	14.573	14.644	VV	23618	675823	1.79%	0.042%
241	14.672	14.644	14.695	VV	14968	415783	1.10%	0.026%
242	14.726	14.695	14.786	VV	16785	698152	1.84%	0.043%
243	14.794	14.786	14.811	VV	9861	141222	0.37%	0.009%
244	14.843	14.811	14.862	VV	10354	299720	0.79%	0.018%
245	14.875	14.862	14.931	VV	10145	356700	0.94%	0.022%
246	14.954	14.931	14.970	VV	7122	160000	0.42%	0.010%

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247	14.979	14.970	15.028	VV	7180	216490	0.57%	0.013%
248	15.047	15.028	15.078	VV	6569	175084	0.46%	0.011%
249	15.094	15.078	15.112	VV	6093	108857	0.29%	0.007%
250	15.139	15.112	15.168	VV	22769	385227	1.02%	0.024%
251	15.177	15.168	15.185	VV	5318	54069	0.14%	0.003%
252	15.199	15.185	15.243	VV	5477	153216	0.40%	0.009%
253	15.276	15.243	15.315	VV	4356	149653	0.40%	0.009%
254	15.342	15.315	15.365	VV	3119	80377	0.21%	0.005%
255	15.388	15.365	15.448	VV	3499	135045	0.36%	0.008%
256	15.481	15.448	15.521	VV	2500	89497	0.24%	0.006%
257	15.533	15.521	15.541	VV	1582	17516	0.05%	0.001%
258	15.559	15.541	15.627	VV	2173	86864	0.23%	0.005%
259	15.658	15.627	15.770	VV	20627	408039	1.08%	0.025%
260	15.794	15.770	15.811	VV	1278	19016	0.05%	0.001%
261	15.876	15.811	15.899	VV	1291	39474	0.10%	0.002%
262	15.916	15.899	15.936	VV	1065	19659	0.05%	0.001%
263	15.972	15.936	16.084	VV	3553	124959	0.33%	0.008%
264	16.119	16.084	16.131	PV	2158	33093	0.09%	0.002%
265	16.159	16.131	16.186	VV	22844	327607	0.87%	0.020%
266	16.195	16.186	16.232	VV	2457	41994	0.11%	0.003%
267	16.248	16.232	16.273	VV	339	3643	0.01%	0.000%
268	16.301	16.273	16.311	PV	308	3148	0.01%	0.000%
269	16.344	16.311	16.375	VV	1671	34726	0.09%	0.002%
270	16.410	16.375	16.421	VV	901	22228	0.06%	0.001%
271	16.472	16.421	16.502	VV	2896	82654	0.22%	0.005%
272	16.519	16.502	16.561	VV	1725	35395	0.09%	0.002%
273	16.594	16.561	16.605	PV	1009	16628	0.04%	0.001%
274	16.641	16.605	16.719	VV	20835	306812	0.81%	0.019%
275	16.753	16.719	16.775	VV	458	12315	0.03%	0.001%
276	16.869	16.775	16.917	VV	1946	87894	0.23%	0.005%
277	16.983	16.917	17.041	VV	1556	67720	0.18%	0.004%
278	17.107	17.041	17.148	VV	22037	360339	0.95%	0.022%
279	17.163	17.148	17.185	VV	993	14435	0.04%	0.001%
280	17.220	17.185	17.235	VV	716	16054	0.04%	0.001%
281	17.244	17.235	17.257	VV	625	7491	0.02%	0.000%
282	17.345	17.257	17.368	VV	2854	84015	0.22%	0.005%
283	17.398	17.368	17.425	VV	1223	28741	0.08%	0.002%
284	17.442	17.425	17.459	VV	1118	18610	0.05%	0.001%
285	17.521	17.459	17.530	VV	1683	46114	0.12%	0.003%
286	17.557	17.530	17.608	VV	14572	233282	0.62%	0.014%
287	17.624	17.608	17.635	VV	856	9275	0.02%	0.001%
288	17.672	17.635	17.741	VV	2412	64674	0.17%	0.004%
289	17.761	17.741	17.775	VV	764	8425	0.02%	0.001%
290	17.791	17.775	17.803	VV	382	3599	0.01%	0.000%
291	17.838	17.803	17.863	VV	1108	18564	0.05%	0.001%
292	17.888	17.863	17.902	PV	1290	18318	0.05%	0.001%
293	17.993	17.902	18.025	VV	13074	246417	0.65%	0.015%
294	18.037	18.025	18.053	VV	591	6332	0.02%	0.000%
295	18.134	18.053	18.214	VV	5006	120483	0.32%	0.007%
296	18.273	18.214	18.299	VV	1111	25290	0.07%	0.002%
297	18.337	18.299	18.347	VV	1170	22559	0.06%	0.001%
298	18.370	18.347	18.391	VV	1231	26498	0.07%	0.002%
299	18.417	18.391	18.451	VV	8236	119665	0.32%	0.007%

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300	18.501	18.451	18.558	VV	5158	103785	0.27%	0.006%
301	18.570	18.558	18.592	VV	578	8466	0.02%	0.001%
302	18.614	18.592	18.632	PV	720	10203	0.03%	0.001%
303	18.684	18.632	18.754	VV	1686	65994	0.17%	0.004%
304	18.826	18.754	18.867	PV	7927	162488	0.43%	0.010%
305	18.885	18.867	18.898	VV	580	7055	0.02%	0.000%
306	18.924	18.898	18.945	VV	2045	29573	0.08%	0.002%
307	18.973	18.945	18.998	PV	1722	30762	0.08%	0.002%
308	19.018	18.998	19.042	VV	847	14610	0.04%	0.001%
309	19.114	19.042	19.163	VV	1077	44448	0.12%	0.003%
310	19.224	19.163	19.282	PV	5505	118230	0.31%	0.007%
311	19.323	19.282	19.358	PV	769	16854	0.04%	0.001%
312	19.419	19.358	19.448	VV	1265	41827	0.11%	0.003%
313	19.549	19.448	19.558	VV	477	29813	0.08%	0.002%
314	19.609	19.558	19.675	VV	6912	170533	0.45%	0.011%
315	19.730	19.675	19.759	VV	1749	55690	0.15%	0.003%
316	19.910	19.759	19.921	VV	2385	158454	0.42%	0.010%
317	19.985	19.921	20.009	VV	6232	184948	0.49%	0.011%
318	20.023	20.009	20.068	VV	3871	114763	0.30%	0.007%
319	20.143	20.068	20.150	VV	4109	160445	0.42%	0.010%
320	20.249	20.150	20.258	VV	5717	305898	0.81%	0.019%
321	20.347	20.258	20.376	VV	10235	478034	1.26%	0.029%
322	20.617	20.376	20.628	VV	9545	1221025	3.23%	0.075%
323	20.702	20.628	20.738	VV	13609	720583	1.90%	0.044%
324	20.818	20.738	20.840	VV	12209	709097	1.87%	0.044%
325	20.932	20.840	20.964	VV	12464	889908	2.35%	0.055%
326	20.989	20.964	21.011	VV	11852	332252	0.88%	0.020%
327	21.072	21.011	21.115	VV	13721	736344	1.95%	0.045%
328	21.160	21.115	21.181	VV	10640	424172	1.12%	0.026%
329	21.285	21.181	21.415	VV	10249	1308547	3.46%	0.081%
330	21.486	21.415	21.525	VV	8715	517237	1.37%	0.032%
331	21.535	21.525	21.551	VV	7044	108367	0.29%	0.007%
332	21.617	21.551	21.697	VV	6649	539188	1.42%	0.033%
333	21.747	21.697	21.761	VV	4877	186322	0.49%	0.011%
334	21.776	21.761	21.811	VV	4526	129976	0.34%	0.008%
335	21.837	21.811	21.875	VV	3772	133074	0.35%	0.008%
336	21.890	21.875	21.904	VV	2963	50156	0.13%	0.003%
337	21.953	21.904	22.017	VV	3824	177553	0.47%	0.011%
338	22.051	22.017	22.065	VV	1460	39039	0.10%	0.002%
339	22.109	22.065	22.155	VV	1150	53927	0.14%	0.003%
340	22.161	22.155	22.185	VV	527	5624	0.01%	0.000%

Sum of corrected areas: 1623177789

Aliphatic EPH 100824.M Thu Oct 31 09:18:58 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-8		SDG No.:	P4599	
Lab Sample ID:	P4599-08		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.4	
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
FG014584.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	54.1	E	0.36	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	244	E	0.40	1.18	mg/kg
Aromatic C16-C21	Aromatic C16-C21	452	E	1.14	1.97	mg/kg
Aromatic C21-C36	Aromatic C21-C36	20.6		2.37	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	107		40 - 140	215%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	101		40 - 140	203%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.2		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:	P4599-08	Acq On:	30 Oct 2024 20:27
Client Sample ID:	EX-1-TPH-8	Operator:	YP\AJ
Data file:	FG014584.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	95638061	685.598	200	ug/ml
Aromatic C12-C16	6.390	9.089	450469652	3100	300	ug/ml
Aromatic C16-C21	9.090	13.408	830116040	5730	500	ug/ml
Aromatic C21-C36	13.409	18.851	37129134	261.217	800	ug/ml
Aromatic EPH	4.519	18.851	1413352887	9780		ug/ml
ortho-Terphenyl (SURR)	11.972	11.972	7726725	52.19		ug/ml
2-Bromonaphthalene (SURR)	8.024	8.024	13480282	107.38		ug/ml
2-Flurobiphenyl (SURR)	8.904	8.904	8735987	101.42		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014584.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:27
Operator : YP\AJ
Sample : P4599-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.024	13480282	107.382 ug/ml
Spiked Amount 50.000		Recovery = 214.76%	
6) S 2-Flurobiphenyl (SURR)	8.904	8735987	101.422 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 202.84%#	
11) S ortho-Terphenyl (SURR)	11.972	7726725	52.187 ug/mlm
Spiked Amount 50.000		Recovery = 104.37%	
Target Compounds			

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

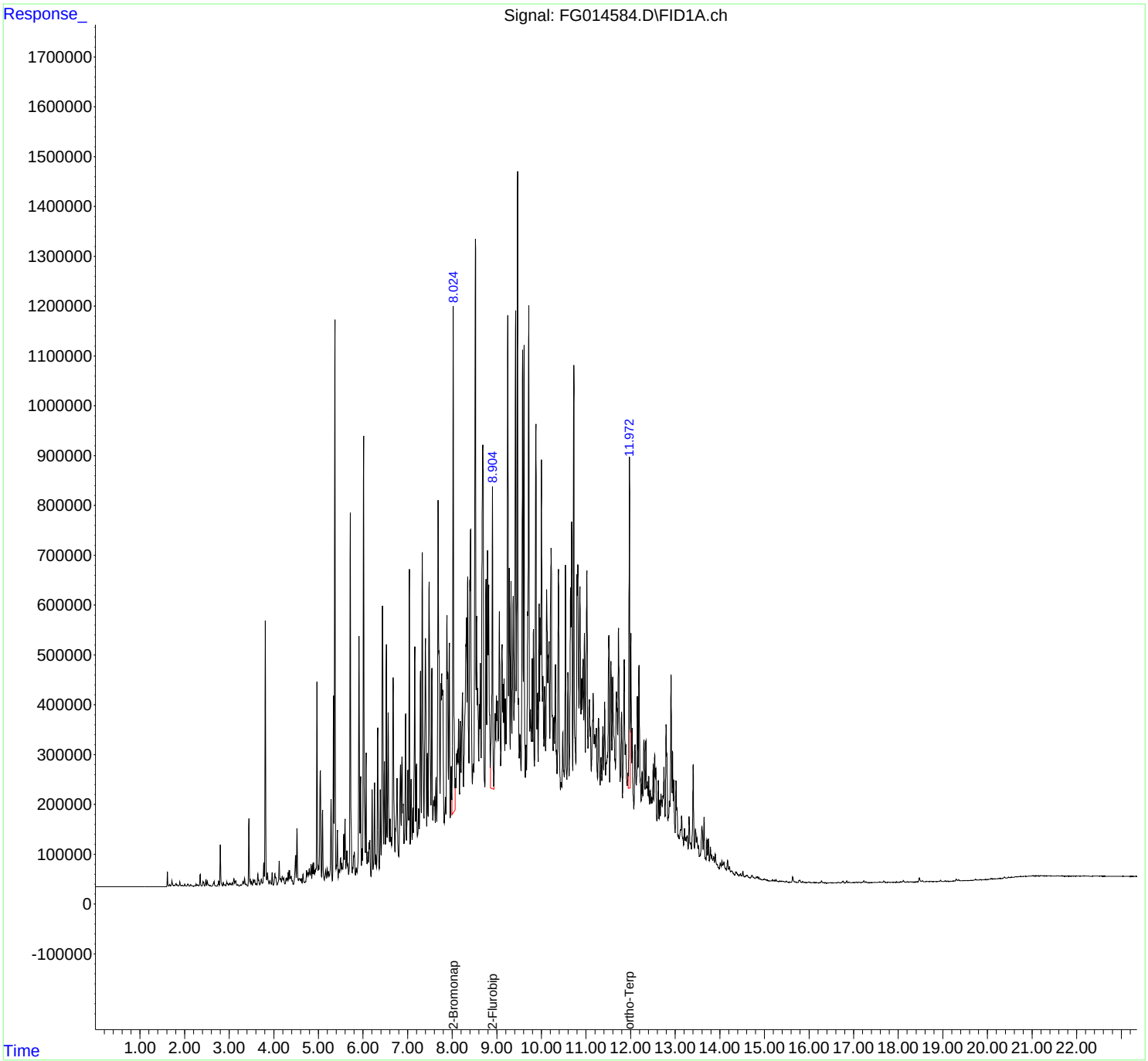
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014584.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:27
Operator : YP\AJ
Sample : P4599-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

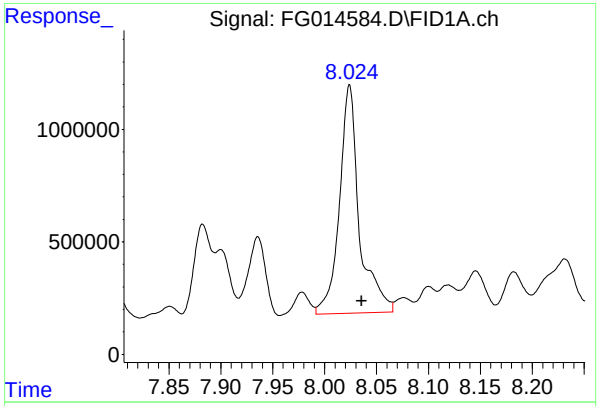
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-8

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





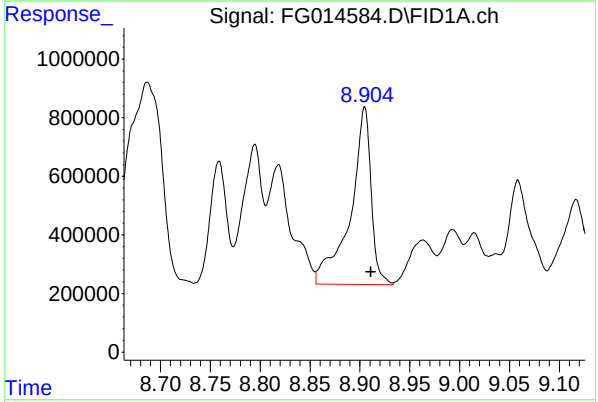
#4 2-Bromonaphthalene (SURR)

R.T.: 8.024 min
Delta R.T.: -0.012 min
Response: 13480282
Conc: 107.38 ug/ml

Instrument :
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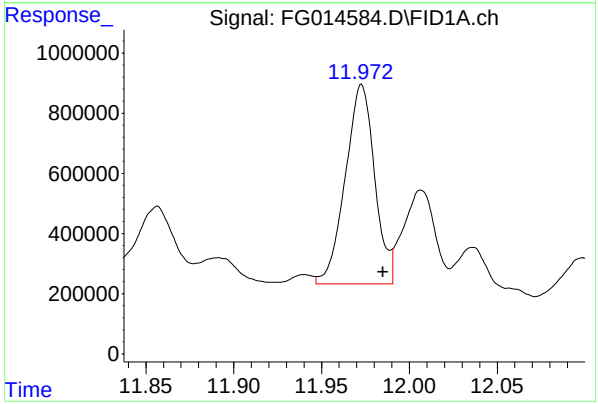
Manual Integrations
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Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.904 min
Delta R.T.: -0.007 min
Response: 8735987
Conc: 101.42 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.972 min
Delta R.T.: -0.013 min
Response: 7726725
Conc: 52.19 ug/ml m

Instrument :
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rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014584.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:27
Sample : P4599-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.251	4.286	BV	11594	127724	0.49%	0.009%
2	4.297	4.286	4.308	VV	11500	131142	0.51%	0.009%
3	4.324	4.308	4.337	VV	23802	274936	1.06%	0.019%
4	4.353	4.337	4.370	VV	28069	358054	1.39%	0.025%
5	4.390	4.370	4.409	VV	15987	292172	1.13%	0.020%
6	4.416	4.409	4.437	VV	7635	69596	0.27%	0.005%
7	4.489	4.437	4.504	PV	58340	886873	3.43%	0.062%
8	4.521	4.504	4.549	VV	112366	1300740	5.03%	0.091%
9	4.566	4.549	4.572	VV	11461	143900	0.56%	0.010%
10	4.581	4.572	4.604	VV	11870	185004	0.72%	0.013%
11	4.616	4.604	4.634	VV	11703	142766	0.55%	0.010%
12	4.655	4.634	4.679	VV	20674	294139	1.14%	0.020%
13	4.686	4.679	4.697	VV	4249	41189	0.16%	0.003%
14	4.713	4.697	4.718	VV	6413	63311	0.24%	0.004%
15	4.736	4.718	4.748	VV	28301	327119	1.27%	0.023%
16	4.766	4.748	4.780	VV	23794	394927	1.53%	0.028%
17	4.795	4.780	4.814	VV	32160	506374	1.96%	0.035%
18	4.837	4.814	4.852	VV	40361	576382	2.23%	0.040%
19	4.866	4.852	4.878	VV	38642	423630	1.64%	0.030%
20	4.891	4.878	4.911	VV	44151	618111	2.39%	0.043%
21	4.926	4.911	4.935	VV	29147	371299	1.44%	0.026%
22	4.969	4.935	4.991	VV	406033	4492909	17.38%	0.313%
23	5.003	4.991	5.013	VV	35439	410706	1.59%	0.029%
24	5.043	5.013	5.072	VV	228420	3812352	14.75%	0.266%
25	5.093	5.072	5.133	VV	148804	1893976	7.33%	0.132%
26	5.162	5.133	5.181	VV	28528	539459	2.09%	0.038%
27	5.198	5.181	5.215	VV	32227	465192	1.80%	0.032%
28	5.228	5.215	5.245	VV	25918	359719	1.39%	0.025%
29	5.285	5.245	5.314	VV	170196	2261537	8.75%	0.158%
30	5.339	5.314	5.352	VV	378219	3840381	14.86%	0.268%
31	5.371	5.352	5.395	VV	1135659	11677218	45.17%	0.814%
32	5.425	5.395	5.444	VV	108690	1553381	6.01%	0.108%
33	5.463	5.444	5.477	VV	29416	479317	1.85%	0.033%
34	5.498	5.477	5.514	VV	53343	919000	3.56%	0.064%
35	5.525	5.514	5.538	VV	41973	509844	1.97%	0.036%
36	5.544	5.538	5.548	VV	31450	196263	0.76%	0.014%

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rteres

37	5.570	5.548	5.582	VV	100892	1308392	5.06%	0.091%
38	5.597	5.582	5.616	VV	131202	1609318	6	
39	5.640	5.616	5.655	VV	67609	1154069	4	
40	5.662	5.655	5.678	VV	39965	439335	1	
41	5.715	5.678	5.757	VV	743238	9182410	35	
42	5.806	5.757	5.831	VV	64894	1811760	7	
43	5.851	5.831	5.865	VV	32587	546048	2.11%	0.038%
44	5.911	5.865	5.934	VV	496991	6980379	27.00%	0.486%
45	5.947	5.934	5.965	VV	216285	2439019	9.44%	0.170%
46	5.980	5.965	5.991	VV	72170	900686	3.48%	0.063%
47	6.014	5.991	6.053	VV	897877	11685171	45.21%	0.814%
48	6.069	6.053	6.097	VV	263351	3134459	12.13%	0.218%
49	6.111	6.097	6.122	VV	64978	794016	3.07%	0.055%
50	6.136	6.122	6.144	VV	83867	908116	3.51%	0.063%
51	6.153	6.144	6.180	VV	88511	1137618	4.40%	0.079%
52	6.205	6.180	6.225	VV	189812	2228943	8.62%	0.155%
53	6.260	6.225	6.278	VV	204157	2887910	11.17%	0.201%
54	6.289	6.278	6.304	VV	59525	749137	2.90%	0.052%
55	6.330	6.304	6.366	VV	313994	4462877	17.27%	0.311%
56	6.388	6.366	6.407	VV	190237	2478253	9.59%	0.173%
57	6.438	6.407	6.465	VV	558605	9778728	37.83%	0.681%
58	6.481	6.465	6.505	VV	245667	3666375	14.18%	0.255%
59	6.524	6.505	6.540	VV	480702	5301242	20.51%	0.369%
60	6.566	6.540	6.596	VV	344420	6061185	23.45%	0.422%
61	6.609	6.596	6.622	VV	131419	1720280	6.66%	0.120%
62	6.630	6.622	6.642	VV	94923	1053548	4.08%	0.073%
63	6.677	6.642	6.716	VV	415134	8703923	33.67%	0.606%
64	6.764	6.716	6.802	VV	212412	6019625	23.29%	0.419%
65	6.841	6.802	6.855	VV	239243	4745324	18.36%	0.331%
66	6.876	6.855	6.892	VV	255914	4319228	16.71%	0.301%
67	6.900	6.892	6.921	VV	161333	2250626	8.71%	0.157%
68	6.955	6.921	6.975	VV	342251	5768528	22.32%	0.402%
69	7.008	6.975	7.022	VV	228895	4428829	17.13%	0.309%
70	7.040	7.022	7.060	VV	630842	7265490	28.11%	0.506%
71	7.079	7.060	7.103	VV	210872	3699929	14.31%	0.258%
72	7.118	7.103	7.128	VV	152984	1874545	7.25%	0.131%
73	7.162	7.128	7.181	VV	476502	7958084	30.79%	0.554%
74	7.199	7.181	7.219	VV	241426	3799255	14.70%	0.265%
75	7.247	7.219	7.263	VV	151395	3108828	12.03%	0.217%
76	7.289	7.263	7.309	VV	427397	6967839	26.96%	0.485%
77	7.330	7.309	7.368	VV	666087	11874222	45.94%	0.827%
78	7.400	7.368	7.429	VV	492660	10995863	42.54%	0.766%
79	7.444	7.429	7.459	VV	262591	3438379	13.30%	0.240%
80	7.482	7.459	7.524	VV	606754	13376375	51.75%	0.932%
81	7.545	7.524	7.566	VV	433096	6608668	25.57%	0.460%
82	7.585	7.566	7.595	VV	167908	2640427	10.21%	0.184%
83	7.606	7.595	7.620	VV	176071	2439777	9.44%	0.170%
84	7.637	7.620	7.654	VV	214240	3390826	13.12%	0.236%
85	7.686	7.654	7.729	VV	768450	17735464	68.61%	1.236%
86	7.747	7.729	7.754	VV	402789	4659252	18.02%	0.325%
87	7.764	7.754	7.784	VV	421395	7219893	27.93%	0.503%
88	7.789	7.784	7.823	VV	389004	5755193	22.26%	0.401%
89	7.851	7.823	7.862	VV	173700	3546248	13.72%	0.247%

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90	7.883	7.862	7.895	VV	538013	7267340	28.11%	0.506%
91	7.900	7.895	7.917	VV	426125	4591466	17	
92	7.936	7.917	7.957	VV	483396	7263755	28	
93	7.978	7.957	7.991	VV	236515	3800031	14	
94	8.024	7.991	8.066	VV	1159642	19917491	77	
95	8.076	8.066	8.086	VV	212529	2506636	9	
96	8.100	8.086	8.109	VV	262107	3154277	12.20%	0.220%
97	8.119	8.109	8.130	VV	269031	3251446	12.58%	0.227%
98	8.146	8.130	8.165	VV	331550	5632072	21.79%	0.392%
99	8.182	8.165	8.199	VV	327232	5392917	20.86%	0.376%
100	8.231	8.199	8.253	VV	383874	9474987	36.65%	0.660%
101	8.321	8.253	8.334	VV	534515	18055426	69.85%	1.258%
102	8.348	8.334	8.377	VV	616699	10551136	40.82%	0.735%
103	8.396	8.377	8.401	VV	610659	6776770	26.22%	0.472%
104	8.412	8.401	8.452	VV	711613	13516121	52.29%	0.942%
105	8.475	8.452	8.485	VV	241426	4515304	17.47%	0.315%
106	8.521	8.485	8.537	VV	1294213	21480881	83.10%	1.496%
107	8.547	8.537	8.564	VV	538443	7364281	28.49%	0.513%
108	8.573	8.564	8.596	VV	393147	6391312	24.73%	0.445%
109	8.610	8.596	8.619	VV	361413	4378451	16.94%	0.305%
110	8.633	8.619	8.651	VV	442361	6859938	26.54%	0.478%
111	8.687	8.651	8.734	VV	881737	25849116	100.00%	1.801%
112	8.759	8.734	8.773	VV	610959	9388773	36.32%	0.654%
113	8.795	8.773	8.806	VV	669478	10099289	39.07%	0.704%
114	8.818	8.806	8.856	VV	599041	12262310	47.44%	0.854%
115	8.905	8.856	8.933	VV	797619	17626412	68.19%	1.228%
116	8.963	8.933	8.978	VV	342507	7567628	29.28%	0.527%
117	8.993	8.978	9.005	VV	377876	5549264	21.47%	0.387%
118	9.015	9.005	9.029	VV	367654	4924077	19.05%	0.343%
119	9.058	9.029	9.088	VV	547077	12806238	49.54%	0.892%
120	9.117	9.088	9.130	VV	480647	9239779	35.75%	0.644%
121	9.141	9.130	9.152	VV	402054	4908585	18.99%	0.342%
122	9.164	9.152	9.180	VV	412496	5750492	22.25%	0.401%
123	9.193	9.180	9.208	VV	372112	5564513	21.53%	0.388%
124	9.247	9.208	9.265	VV	1140799	20497727	79.30%	1.428%
125	9.279	9.265	9.300	VV	633333	9797242	37.90%	0.683%
126	9.319	9.300	9.337	VV	608166	9529766	36.87%	0.664%
127	9.369	9.337	9.384	VV	577440	12136835	46.95%	0.846%
128	9.422	9.384	9.438	VV	1153568	20357383	78.75%	1.418%
129	9.466	9.438	9.504	VV	1430348	25248298	97.68%	1.759%
130	9.521	9.504	9.545	VV	297434	6574248	25.43%	0.458%
131	9.579	9.545	9.594	VV	1071633	17732152	68.60%	1.235%
132	9.612	9.594	9.642	VV	1076280	15329920	59.31%	1.068%
133	9.656	9.642	9.669	VV	279069	4158005	16.09%	0.290%
134	9.717	9.669	9.739	VV	1161653	24930810	96.45%	1.737%
135	9.755	9.739	9.778	VV	349481	7442546	28.79%	0.518%
136	9.794	9.778	9.807	VV	452055	6126870	23.70%	0.427%
137	9.821	9.807	9.843	VV	510952	7896470	30.55%	0.550%
138	9.876	9.843	9.901	VV	922275	17673221	68.37%	1.231%
139	9.914	9.901	9.929	VV	382544	5590114	21.63%	0.389%
140	9.948	9.929	9.961	VV	561892	8134062	31.47%	0.567%
141	9.975	9.961	9.985	VV	533721	6877793	26.61%	0.479%

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142	10.001	9.985	10.024	VV	851287	13744422	53.17%	0.958%
143	10.036	10.024	10.058	VV	416450	7279819	28	
144	10.075	10.058	10.096	VV	396239	7302035	28	
145	10.119	10.096	10.143	VV	590367	12723122	49	
146	10.171	10.143	10.188	VV	487075	11541111	44	
147	10.219	10.188	10.263	VV	673796	19946133	77	
148	10.280	10.263	10.294	VV	334147	5700838	22.05%	0.397%
149	10.315	10.294	10.352	VV	439524	10916577	42.23%	0.761%
150	10.381	10.352	10.428	VV	631190	16318438	63.13%	1.137%
151	10.440	10.428	10.458	VV	203989	3521109	13.62%	0.245%
152	10.480	10.458	10.513	VV	303947	7974398	30.85%	0.556%
153	10.539	10.513	10.573	VV	639501	12342696	47.75%	0.860%
154	10.596	10.573	10.622	VV	424838	9274130	35.88%	0.646%
155	10.655	10.622	10.666	VV	593425	11052463	42.76%	0.770%
156	10.679	10.666	10.703	VV	722664	11540835	44.65%	0.804%
157	10.726	10.703	10.771	VV	1040109	18787479	72.68%	1.309%
158	10.798	10.771	10.806	VV	620029	9149509	35.40%	0.637%
159	10.817	10.806	10.842	VV	639058	11254102	43.54%	0.784%
160	10.863	10.842	10.888	VV	596789	12487670	48.31%	0.870%
161	10.901	10.888	10.912	VV	411424	5502093	21.29%	0.383%
162	10.933	10.912	10.949	VV	450977	8890980	34.40%	0.619%
163	10.966	10.949	10.985	VV	502620	8454489	32.71%	0.589%
164	11.020	10.985	11.044	VV	628142	15561730	60.20%	1.084%
165	11.076	11.044	11.093	VV	369483	9782038	37.84%	0.681%
166	11.101	11.093	11.118	VV	312501	4139213	16.01%	0.288%
167	11.161	11.118	11.180	VV	382716	11341532	43.88%	0.790%
168	11.193	11.180	11.209	VV	299687	5182537	20.05%	0.361%
169	11.231	11.209	11.258	VV	312382	7900750	30.56%	0.550%
170	11.280	11.258	11.316	VV	332322	9392937	36.34%	0.654%
171	11.337	11.316	11.356	VV	253587	5395765	20.87%	0.376%
172	11.377	11.356	11.396	VV	314527	6415744	24.82%	0.447%
173	11.417	11.396	11.438	VV	363870	7194344	27.83%	0.501%
174	11.480	11.438	11.484	VV	258977	6731109	26.04%	0.469%
175	11.511	11.484	11.532	VV	498663	10453344	40.44%	0.728%
176	11.560	11.532	11.581	VV	446020	10279846	39.77%	0.716%
177	11.599	11.581	11.659	VV	414748	14294729	55.30%	0.996%
178	11.681	11.659	11.710	VV	385558	10165006	39.32%	0.708%
179	11.730	11.710	11.765	VV	513145	12060650	46.66%	0.840%
180	11.796	11.765	11.817	VV	344809	7957022	30.78%	0.554%
181	11.856	11.817	11.878	VV	449911	11209435	43.36%	0.781%
182	11.891	11.878	11.924	VV	278510	6639155	25.68%	0.463%
183	11.940	11.924	11.947	VV	222474	2909865	11.26%	0.203%
184	11.973	11.947	11.989	VV	855429	12492008	48.33%	0.870%
185	12.007	11.989	12.023	VV	503089	7837086	30.32%	0.546%
186	12.036	12.023	12.072	VV	312639	6547298	25.33%	0.456%
187	12.099	12.072	12.129	VV	278390	7399970	28.63%	0.516%
188	12.154	12.129	12.169	VV	376292	6892722	26.67%	0.480%
189	12.188	12.169	12.235	VV	438453	10664398	41.26%	0.743%
190	12.256	12.235	12.273	VV	224402	4487295	17.36%	0.313%
191	12.300	12.273	12.324	VV	288618	7092433	27.44%	0.494%
192	12.343	12.324	12.360	VV	286780	5054016	19.55%	0.352%
193	12.373	12.360	12.394	VV	204431	3961330	15.32%	0.276%
194	12.407	12.394	12.424	VV	215262	3498100	13.53%	0.244%

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195	12.443	12.424	12.458	VV	186023	3508896	13.57%	0.244%
196	12.473	12.458	12.486	VV	172673	2803479	10	
197	12.506	12.486	12.520	VV	240984	4029084	15	
198	12.539	12.520	12.554	VV	259428	4577815	17	
199	12.564	12.554	12.588	VV	231679	3778870	14	
200	12.620	12.588	12.637	VV	206538	4655759	18	
201	12.652	12.637	12.666	VV	168449	2592703	10.03%	0.181%
202	12.682	12.666	12.711	VV	180442	4346524	16.81%	0.303%
203	12.725	12.711	12.731	VV	176435	2072212	8.02%	0.144%
204	12.747	12.731	12.772	VV	233862	4423611	17.11%	0.308%
205	12.795	12.772	12.835	VV	318714	8183675	31.66%	0.570%
206	12.870	12.835	12.881	VV	165104	4032085	15.60%	0.281%
207	12.907	12.881	12.926	VV	419518	7459382	28.86%	0.520%
208	12.940	12.926	12.956	VV	263946	3893499	15.06%	0.271%
209	12.968	12.956	12.996	VV	207505	3786466	14.65%	0.264%
210	13.017	12.996	13.032	VV	205623	3368172	13.03%	0.235%
211	13.039	13.032	13.063	VV	150046	2353333	9.10%	0.164%
212	13.073	13.063	13.084	VV	97252	1155920	4.47%	0.081%
213	13.115	13.084	13.120	VV	108395	2137069	8.27%	0.149%
214	13.142	13.120	13.162	VV	136297	2869032	11.10%	0.200%
215	13.169	13.162	13.188	VV	92772	1328774	5.14%	0.093%
216	13.208	13.188	13.224	VV	110350	2069799	8.01%	0.144%
217	13.237	13.224	13.248	VV	91326	1285210	4.97%	0.090%
218	13.266	13.248	13.290	VV	95545	2171533	8.40%	0.151%
219	13.312	13.290	13.335	VV	134148	2679466	10.37%	0.187%
220	13.344	13.335	13.362	VV	81434	1239172	4.79%	0.086%
221	13.402	13.362	13.431	VV	238518	5179814	20.04%	0.361%
222	13.454	13.431	13.475	VV	108916	2426023	9.39%	0.169%
223	13.487	13.475	13.511	VV	91829	1807995	6.99%	0.126%
224	13.520	13.511	13.541	VV	75901	1184702	4.58%	0.083%
225	13.599	13.541	13.625	VV	113918	3963143	15.33%	0.276%
226	13.646	13.625	13.688	VV	133485	3009481	11.64%	0.210%
227	13.710	13.688	13.724	VV	87500	1419719	5.49%	0.099%
228	13.742	13.724	13.763	VV	89673	1620751	6.27%	0.113%
229	13.789	13.763	13.806	VV	73003	1488882	5.76%	0.104%
230	13.818	13.806	13.843	VV	57650	1151088	4.45%	0.080%
231	13.861	13.843	13.879	VV	53805	1047958	4.05%	0.073%
232	13.898	13.879	13.936	VV	59071	1603252	6.20%	0.112%
233	13.942	13.936	13.985	VV	37990	971698	3.76%	0.068%
234	14.007	13.985	14.028	VV	41155	933649	3.61%	0.065%
235	14.047	14.028	14.061	VV	45321	786243	3.04%	0.055%
236	14.091	14.061	14.123	VV	42839	1356740	5.25%	0.095%
237	14.130	14.123	14.146	VV	30057	405514	1.57%	0.028%
238	14.172	14.146	14.193	VV	46219	1009187	3.90%	0.070%
239	14.215	14.193	14.238	VV	33484	776730	3.00%	0.054%
240	14.261	14.238	14.326	VV	25370	1170467	4.53%	0.082%
241	14.332	14.326	14.336	VV	17058	101602	0.39%	0.007%
242	14.356	14.336	14.364	VV	23197	353674	1.37%	0.025%
243	14.370	14.364	14.430	VV	22693	731102	2.83%	0.051%
244	14.459	14.430	14.480	VV	19637	516956	2.00%	0.036%
245	14.485	14.480	14.495	VV	15747	142796	0.55%	0.010%
246	14.516	14.495	14.545	VV	24261	537345	2.08%	0.037%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

247	14.555	14.545	14.560	VV	13523	120921	0.47%	0.008%
248	14.592	14.560	14.601	VV	15861	361749		
249	14.612	14.601	14.663	VV	16190	508874		
250	14.670	14.663	14.686	VV	11539	152754		
251	14.718	14.686	14.749	VV	15956	514963		
252	14.757	14.749	14.786	VV	12161	244242		
253	14.812	14.786	14.826	VV	12485	270172	1.05%	0.019%
254	14.839	14.826	14.860	VV	13594	238079	0.92%	0.017%
255	14.873	14.860	14.892	VV	12456	204647	0.79%	0.014%
256	14.904	14.892	14.948	VV	9047	265828	1.03%	0.019%
257	14.970	14.948	14.978	VV	7500	130838	0.51%	0.009%
258	14.997	14.978	15.020	VV	8913	196041	0.76%	0.014%
259	15.038	15.020	15.050	VV	7457	124888	0.48%	0.009%
260	15.069	15.050	15.085	VV	6462	127799	0.49%	0.009%
261	15.097	15.085	15.106	VV	5105	62433	0.24%	0.004%
262	15.111	15.106	15.122	VV	4878	44614	0.17%	0.003%
263	15.125	15.122	15.136	VV	4600	38031	0.15%	0.003%
264	15.155	15.136	15.167	VV	5110	88447	0.34%	0.006%
265	15.184	15.167	15.203	VV	6989	121598	0.47%	0.008%
266	15.223	15.203	15.239	VV	6673	116875	0.45%	0.008%
267	15.257	15.239	15.288	VV	7527	164535	0.64%	0.011%
268	15.296	15.288	15.318	VV	4181	68552	0.27%	0.005%
269	15.343	15.318	15.360	VV	5093	105487	0.41%	0.007%
270	15.363	15.360	15.368	VV	3850	19481	0.08%	0.001%
271	15.391	15.368	15.405	VV	4561	90092	0.35%	0.006%
272	15.425	15.405	15.461	VV	4087	109740	0.42%	0.008%
273	15.491	15.461	15.520	VV	4329	110046	0.43%	0.008%
274	15.525	15.520	15.531	VV	2131	13477	0.05%	0.001%
275	15.549	15.531	15.566	VV	2284	44767	0.17%	0.003%
276	15.633	15.566	15.689	VV	12695	321521	1.24%	0.022%
277	15.696	15.689	15.721	VV	2805	43290	0.17%	0.003%
278	15.729	15.721	15.735	VV	1826	14368	0.06%	0.001%
279	15.741	15.735	15.750	VV	1667	14255	0.06%	0.001%
280	15.792	15.750	15.836	VV	6485	182678	0.71%	0.013%
281	15.858	15.836	15.879	VV	3255	55732	0.22%	0.004%
282	15.898	15.879	15.927	VV	1932	43916	0.17%	0.003%
283	15.942	15.927	15.952	VV	1255	16916	0.07%	0.001%
284	15.991	15.952	16.016	VV	2587	72556	0.28%	0.005%
285	16.024	16.016	16.061	VV	1713	34422	0.13%	0.002%
286	16.095	16.061	16.121	VV	1673	44935	0.17%	0.003%
287	16.131	16.121	16.142	VV	1322	15961	0.06%	0.001%
288	16.148	16.142	16.173	VV	1309	21204	0.08%	0.001%
289	16.177	16.173	16.210	VV	1128	20532	0.08%	0.001%
290	16.235	16.210	16.253	VV	1214	25764	0.10%	0.002%
291	16.278	16.253	16.303	VV	4990	76698	0.30%	0.005%
292	16.331	16.303	16.349	VV	1202	27130	0.10%	0.002%
293	16.371	16.349	16.404	VV	816	14306	0.06%	0.001%
294	16.418	16.404	16.423	PV	350	2747	0.01%	0.000%
295	16.463	16.423	16.483	VV	1070	25741	0.10%	0.002%
296	16.493	16.483	16.511	VV	926	11055	0.04%	0.001%
297	16.520	16.511	16.539	VV	622	7838	0.03%	0.001%
298	16.562	16.539	16.579	VV	910	17112	0.07%	0.001%
299	16.588	16.579	16.608	VV	855	12982	0.05%	0.001%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.614	16.608	16.624	VV	709	5470	0.02%	0.000%
301	16.654	16.624	16.692	VV	1799	42495		
302	16.762	16.692	16.798	VV	3920	90857		
303	16.805	16.798	16.811	VV	409	2592		
304	16.843	16.811	16.873	VV	4492	69093		
305	16.893	16.873	16.916	VV	1702	29549		
306	16.924	16.916	16.952	VV	784	12760	0.05%	0.001%
307	16.985	16.952	17.011	VV	862	23054	0.09%	0.002%
308	17.060	17.011	17.080	VV	1718	39305	0.15%	0.003%
309	17.116	17.080	17.146	VV	1909	38978	0.15%	0.003%
310	17.155	17.146	17.166	VV	656	6986	0.03%	0.000%
311	17.198	17.166	17.204	VV	1174	20239	0.08%	0.001%
312	17.228	17.204	17.255	VV	4244	69658	0.27%	0.005%
313	17.275	17.255	17.313	VV	2192	37694	0.15%	0.003%
314	17.327	17.313	17.346	VV	525	7514	0.03%	0.001%
315	17.362	17.346	17.379	VV	526	7677	0.03%	0.001%
316	17.396	17.379	17.403	PV	330	2797	0.01%	0.000%
317	17.410	17.403	17.415	VV	379	1995	0.01%	0.000%
318	17.426	17.415	17.441	VV	416	5160	0.02%	0.000%
319	17.476	17.441	17.508	VV	894	22622	0.09%	0.002%
320	17.527	17.508	17.531	VV	483	5066	0.02%	0.000%
321	17.547	17.531	17.571	VV	1077	19322	0.07%	0.001%
322	17.592	17.571	17.605	VV	1089	18867	0.07%	0.001%
323	17.609	17.605	17.615	VV	942	5182	0.02%	0.000%
324	17.621	17.615	17.633	VV	823	7829	0.03%	0.001%
325	17.678	17.633	17.707	VV	2959	58044	0.22%	0.004%
326	17.716	17.707	17.722	VV	456	3459	0.01%	0.000%
327	17.726	17.722	17.746	VV	446	3792	0.01%	0.000%
328	17.770	17.746	17.776	VV	562	7216	0.03%	0.001%
329	17.792	17.776	17.816	VV	730	13169	0.05%	0.001%
330	17.822	17.816	17.824	VV	248	1095	0.00%	0.000%
331	17.854	17.824	17.878	VV	729	14587	0.06%	0.001%
332	17.899	17.878	17.918	VV	591	9819	0.04%	0.001%
333	17.923	17.918	17.928	VV	406	2048	0.01%	0.000%
334	17.953	17.928	17.988	VV	796	16575	0.06%	0.001%
335	18.025	17.988	18.029	PV	502	8219	0.03%	0.001%
336	18.036	18.029	18.048	VV	555	5362	0.02%	0.000%
337	18.053	18.048	18.060	VV	502	3185	0.01%	0.000%
338	18.116	18.060	18.152	VV	3485	69435	0.27%	0.005%
339	18.162	18.152	18.171	VV	265	1779	0.01%	0.000%
340	18.203	18.171	18.225	VV	1352	18263	0.07%	0.001%

Sum of corrected areas: 1435410891

Aromatic EPH 102124.M Thu Oct 31 07:12:59 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-8DL		SDG No.:	P4599	
Lab Sample ID:	P4599-08DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.4	
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
FE050953.D	10	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	160		4.50	11.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	513	E	2.84	7.89	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	308	E	3.55	11.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	17.0		9.47	15.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.77	J	21.3	23.7	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.41		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:	P4599-08DL	Acq On:	31 Oct 2024 20:05
Client Sample ID:	EX-1-TPH-8DL	Operator:	YP\AJ
Data file:	FE050953.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	29145406	203.957	300	ug/ml
Aliphatic C12-C16	6.762	10.193	94475138	651.022	200	ug/ml
Aliphatic C16-C21	10.194	13.552	56385745	390.48	300	ug/ml
Aliphatic C21-C28	13.553	17.208	3059475	21.522	400	ug/ml
Aliphatic C28-C40	17.209	22.054	1363081	9.856	600	ug/ml
Aliphatic EPH	3.144	22.054	184428845	1280		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	521929	4.41		ug/ml
Aliphatic C9-C28	3.144	17.208	183065764	1270	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050953.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 20:05
Operator : YP\AJ
Sample : P4599-08DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:44:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.286	521929	4.412 ug/mlm
Spiked Amount 50.000		Recovery =	8.82%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050953.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 20:05
Operator : YP\AJ
Sample : P4599-08DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

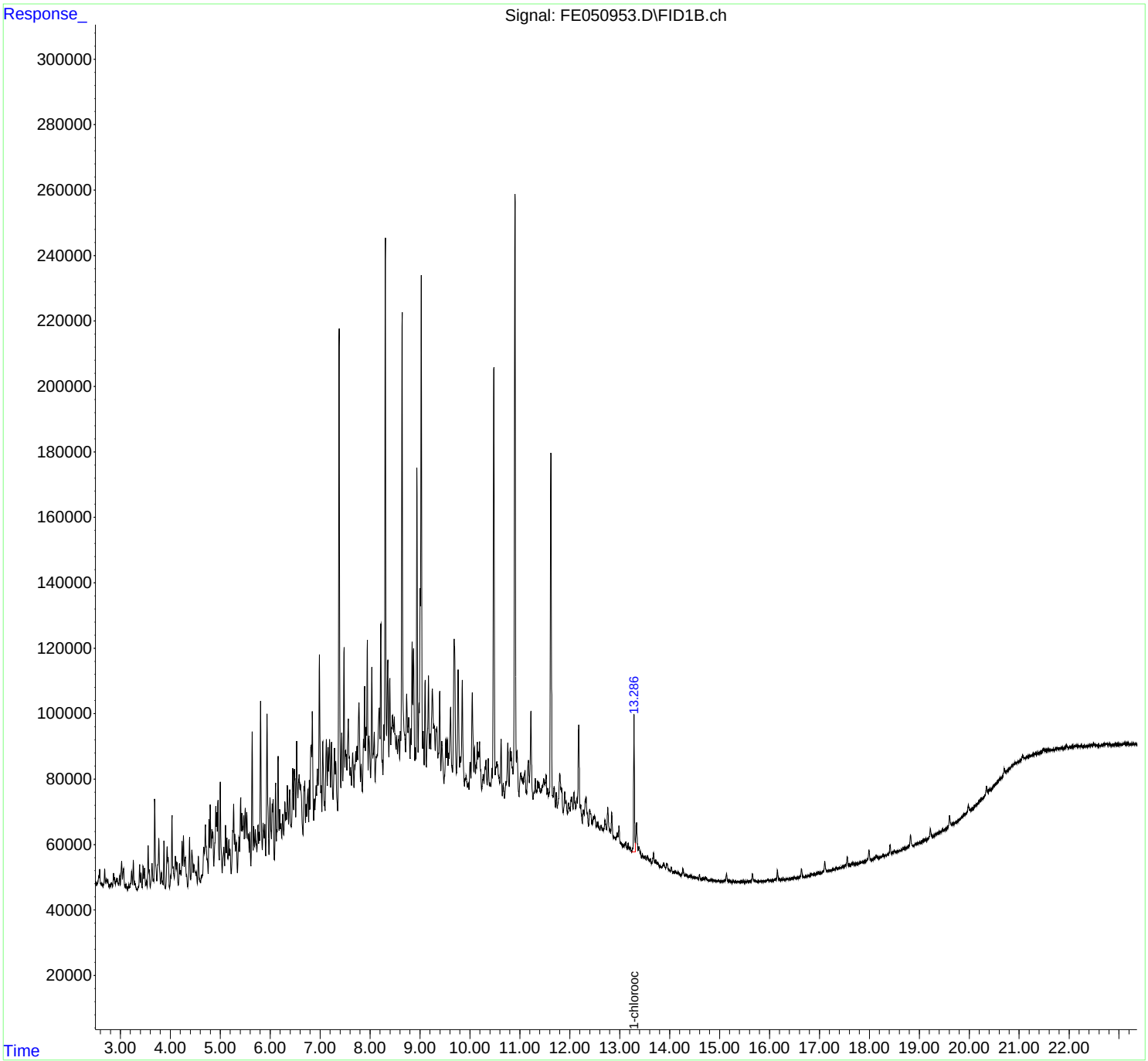
Integration File: autoint1.e
Quant Time: Nov 01 03:44:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

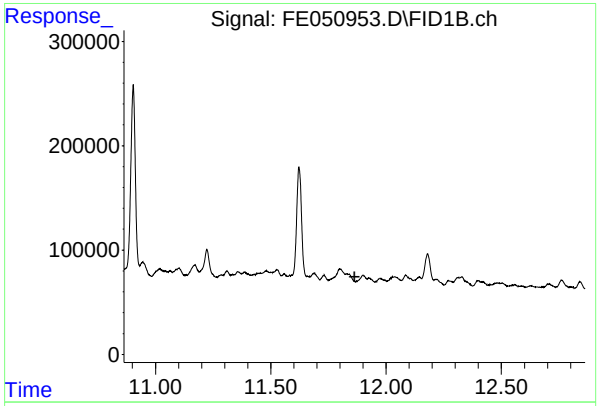
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024





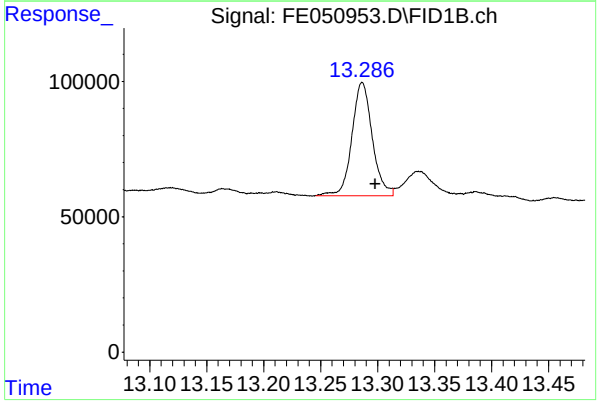
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 mi
Response: 0
Conc: N.D.

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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.012 min
Response: 521929
Conc: 4.41 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050953.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 20:05
Sample : P4599-08DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.279	3.334	PV	835	9610	0.22%	0.005%
2	3.385	3.334	3.401	PV	7666	98141	2.20%	0.053%
3	3.414	3.401	3.434	VV	5154	60871	1.36%	0.033%
4	3.455	3.434	3.470	VV	7266	90346	2.03%	0.049%
5	3.485	3.470	3.511	VV	6596	95505	2.14%	0.052%
6	3.523	3.511	3.535	VV	2802	28661	0.64%	0.016%
7	3.556	3.535	3.598	VV	13485	219041	4.91%	0.119%
8	3.634	3.598	3.668	VV	7984	165350	3.71%	0.090%
9	3.688	3.668	3.729	VV	27533	410758	9.21%	0.223%
10	3.770	3.729	3.804	VV	15704	330073	7.40%	0.179%
11	3.823	3.804	3.853	VV	5202	95900	2.15%	0.052%
12	3.873	3.853	3.902	VV	14856	158565	3.56%	0.086%
13	3.936	3.902	3.985	VV	13036	312025	7.00%	0.169%
14	4.033	3.985	4.080	VV	22454	392473	8.80%	0.213%
15	4.102	4.080	4.120	VV	10140	175277	3.93%	0.095%
16	4.132	4.120	4.161	VV	8230	119769	2.69%	0.065%
17	4.183	4.161	4.196	VV	7858	102375	2.30%	0.056%
18	4.205	4.196	4.216	VV	5870	63868	1.43%	0.035%
19	4.235	4.216	4.248	VV	14634	176483	3.96%	0.096%
20	4.264	4.248	4.281	VV	16328	225084	5.05%	0.122%
21	4.300	4.281	4.347	VV	9825	230845	5.18%	0.125%
22	4.385	4.347	4.408	VV	15854	240044	5.38%	0.130%
23	4.432	4.408	4.458	VV	12003	232940	5.22%	0.126%
24	4.474	4.458	4.515	VV	7502	197779	4.43%	0.107%
25	4.523	4.515	4.540	VV	5207	59457	1.33%	0.032%
26	4.562	4.540	4.605	VV	10031	188472	4.23%	0.102%
27	4.670	4.605	4.683	VV	12620	303876	6.81%	0.165%
28	4.702	4.683	4.757	VV	19636	525730	11.79%	0.285%
29	4.776	4.757	4.786	VV	21269	241392	5.41%	0.131%
30	4.799	4.786	4.819	VV	25803	363967	8.16%	0.197%
31	4.834	4.819	4.845	VV	18154	247150	5.54%	0.134%
32	4.852	4.845	4.871	VV	17482	209749	4.70%	0.114%
33	4.911	4.871	4.921	VV	25278	475849	10.67%	0.258%
34	4.931	4.921	4.942	VV	23255	257409	5.77%	0.140%
35	4.954	4.942	4.980	VV	27087	396882	8.90%	0.215%
36	5.000	4.980	5.039	VV	32622	555845	12.46%	0.301%

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37	5.071	5.039	5.087	VV	12741	276255	6.19%	0.150%
38	5.106	5.087	5.121	VV	19507	278529	6	
39	5.133	5.121	5.158	VV	15655	260641	5	
40	5.172	5.158	5.186	VV	14939	205462	4	
41	5.196	5.186	5.219	VV	12116	177936	3	
42	5.268	5.219	5.306	VV	25791	773325	17	
43	5.323	5.306	5.344	VV	14185	256978	5.76%	0.139%
44	5.376	5.344	5.388	VV	15580	295800	6.63%	0.160%
45	5.409	5.388	5.422	VV	27741	411977	9.24%	0.223%
46	5.432	5.422	5.445	VV	23083	278208	6.24%	0.151%
47	5.469	5.445	5.482	VV	22085	433201	9.71%	0.235%
48	5.501	5.482	5.518	VV	24551	434198	9.74%	0.235%
49	5.532	5.518	5.556	VV	23174	430694	9.66%	0.234%
50	5.567	5.556	5.581	VV	16861	227557	5.10%	0.123%
51	5.594	5.581	5.613	VV	17250	245087	5.50%	0.133%
52	5.640	5.613	5.659	VV	47704	671085	15.05%	0.364%
53	5.672	5.659	5.689	VV	19086	274209	6.15%	0.149%
54	5.704	5.689	5.734	VV	17868	389549	8.73%	0.211%
55	5.756	5.734	5.769	VV	19284	335661	7.53%	0.182%
56	5.808	5.769	5.842	VV	57178	1119061	25.09%	0.607%
57	5.860	5.842	5.881	VV	19757	386860	8.67%	0.210%
58	5.893	5.881	5.910	VV	19470	272472	6.11%	0.148%
59	5.938	5.910	5.976	VV	53246	1056744	23.69%	0.573%
60	5.998	5.976	6.025	VV	27672	554898	12.44%	0.301%
61	6.058	6.025	6.083	VV	27167	704068	15.79%	0.382%
62	6.108	6.083	6.125	VV	32080	474544	10.64%	0.257%
63	6.158	6.125	6.178	VV	40251	788168	17.67%	0.427%
64	6.191	6.178	6.205	VV	24029	327730	7.35%	0.178%
65	6.214	6.205	6.232	VV	19563	293893	6.59%	0.159%
66	6.251	6.232	6.271	VV	22472	451344	10.12%	0.245%
67	6.296	6.271	6.328	VV	26306	744618	16.70%	0.404%
68	6.345	6.328	6.370	VV	31321	631135	14.15%	0.342%
69	6.391	6.370	6.421	VV	30017	723486	16.22%	0.392%
70	6.453	6.421	6.470	VV	36739	796110	17.85%	0.432%
71	6.485	6.470	6.513	VV	36163	785358	17.61%	0.426%
72	6.531	6.513	6.556	VV	44636	880316	19.74%	0.477%
73	6.581	6.556	6.597	VV	34599	784234	17.58%	0.425%
74	6.609	6.597	6.657	VV	31568	905130	20.29%	0.491%
75	6.692	6.657	6.708	VV	32625	804876	18.05%	0.436%
76	6.720	6.708	6.731	VV	25604	322481	7.23%	0.175%
77	6.755	6.731	6.771	VV	29924	623967	13.99%	0.338%
78	6.785	6.771	6.796	VV	32894	404542	9.07%	0.219%
79	6.845	6.796	6.872	VV	53862	1729283	38.77%	0.938%
80	6.887	6.872	6.897	VV	27198	367243	8.23%	0.199%
81	6.946	6.897	6.961	VV	36365	1171765	26.27%	0.635%
82	6.986	6.961	7.035	VV	70834	1808888	40.56%	0.981%
83	7.054	7.035	7.098	VV	44489	1198028	26.86%	0.650%
84	7.126	7.098	7.145	VV	45126	1014405	22.74%	0.550%
85	7.159	7.145	7.170	VV	42790	579283	12.99%	0.314%
86	7.190	7.170	7.209	VV	45315	911794	20.44%	0.494%
87	7.229	7.209	7.261	VV	44243	1090799	24.46%	0.591%
88	7.288	7.261	7.302	VV	42385	874750	19.61%	0.474%
89	7.314	7.302	7.352	VV	38558	932080	20.90%	0.505%

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90	7.381	7.352	7.415	VV	169974	2749341	61.65%	1.491%
91	7.434	7.415	7.454	VV	47051	931196	20	
92	7.479	7.454	7.498	VV	73064	1290083	28	
93	7.510	7.498	7.537	VV	41792	917970	20	
94	7.565	7.537	7.599	VV	51135	1591671	35	
95	7.610	7.599	7.629	VV	36390	603023	13	
96	7.653	7.629	7.679	VV	40999	1088755	24.41%	0.590%
97	7.714	7.679	7.725	VV	41395	1017177	22.81%	0.552%
98	7.739	7.725	7.755	VV	43045	726770	16.30%	0.394%
99	7.778	7.755	7.809	VV	56157	1503628	33.71%	0.815%
100	7.823	7.809	7.845	VV	37296	722788	16.21%	0.392%
101	7.891	7.845	7.908	VV	61379	1669215	37.43%	0.905%
102	7.946	7.908	7.963	VV	75004	1740120	39.02%	0.944%
103	7.979	7.963	8.012	VV	45974	1201291	26.94%	0.651%
104	8.037	8.012	8.058	VV	67183	1324011	29.69%	0.718%
105	8.085	8.058	8.104	VV	47043	1125185	25.23%	0.610%
106	8.183	8.104	8.198	VV	54571	2469071	55.36%	1.339%
107	8.216	8.198	8.259	VV	80712	1884221	42.25%	1.022%
108	8.306	8.259	8.332	VV	197562	3508996	78.68%	1.903%
109	8.356	8.332	8.378	VV	69034	1509414	33.84%	0.818%
110	8.396	8.378	8.417	VV	63713	1216757	27.28%	0.660%
111	8.450	8.417	8.471	VV	52354	1589442	35.64%	0.862%
112	8.485	8.471	8.520	VV	51619	1375288	30.84%	0.746%
113	8.534	8.520	8.552	VV	46032	839130	18.81%	0.455%
114	8.578	8.552	8.594	VV	46075	1094393	24.54%	0.593%
115	8.609	8.594	8.617	VV	47223	602252	13.50%	0.327%
116	8.642	8.617	8.713	VV	174034	4061948	91.08%	2.202%
117	8.735	8.713	8.756	VV	58625	1324881	29.71%	0.718%
118	8.776	8.756	8.802	VV	51654	1303954	29.24%	0.707%
119	8.817	8.802	8.826	VV	48088	644192	14.44%	0.349%
120	8.844	8.826	8.856	VV	74146	1072748	24.05%	0.582%
121	8.872	8.856	8.899	VV	72636	1482050	33.23%	0.804%
122	8.940	8.899	8.964	VV	127239	2502817	56.12%	1.357%
123	9.027	8.964	9.053	VV	185620	4459938	100.00%	2.418%
124	9.066	9.053	9.084	VV	47336	808850	18.14%	0.439%
125	9.104	9.084	9.128	VV	62953	1261042	28.27%	0.684%
126	9.172	9.128	9.191	VV	64122	1842208	41.31%	0.999%
127	9.205	9.191	9.217	VV	46546	707897	15.87%	0.384%
128	9.249	9.217	9.307	VV	60087	2711660	60.80%	1.470%
129	9.338	9.307	9.361	VV	48650	1473299	33.03%	0.799%
130	9.396	9.361	9.420	VV	59582	1613093	36.17%	0.875%
131	9.439	9.420	9.481	VV	44067	1402551	31.45%	0.760%
132	9.518	9.481	9.533	VV	44875	1189606	26.67%	0.645%
133	9.549	9.533	9.564	VV	44716	763614	17.12%	0.414%
134	9.575	9.564	9.582	VV	40618	435591	9.77%	0.236%
135	9.614	9.582	9.652	VV	54625	1807121	40.52%	0.980%
136	9.686	9.652	9.732	VV	75366	2525353	56.62%	1.369%
137	9.766	9.732	9.795	VV	66091	1820954	40.83%	0.987%
138	9.848	9.795	9.892	VV	62926	2429435	54.47%	1.317%
139	9.926	9.892	9.958	VV	33743	1264334	28.35%	0.686%
140	9.971	9.958	9.983	VV	31416	464248	10.41%	0.252%
141	10.005	9.983	10.021	VV	37660	781803	17.53%	0.424%

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142	10.048	10.021	10.079	VV	58892	1568979	35.18%	0.851%
143	10.093	10.079	10.112	VV	42283	763671	17	
144	10.149	10.112	10.161	VV	43728	1136334	25	
145	10.172	10.161	10.181	VV	40711	476919	10	
146	10.195	10.181	10.237	VV	43752	1220829	27	
147	10.266	10.237	10.283	VV	33778	897168	20	
148	10.323	10.283	10.346	VV	38098	1298405	29.11%	0.704%
149	10.368	10.346	10.396	VV	38671	1021062	22.89%	0.554%
150	10.406	10.396	10.422	VV	31294	474450	10.64%	0.257%
151	10.441	10.422	10.451	VV	35706	579936	13.00%	0.314%
152	10.480	10.451	10.508	VV	158721	2808331	62.97%	1.523%
153	10.541	10.508	10.605	VV	37768	2020998	45.31%	1.096%
154	10.627	10.605	10.650	VV	44694	981081	22.00%	0.532%
155	10.668	10.650	10.693	VV	31084	740214	16.60%	0.401%
156	10.760	10.693	10.788	VV	43355	1888427	42.34%	1.024%
157	10.809	10.788	10.819	VV	41784	695907	15.60%	0.377%
158	10.829	10.819	10.865	VV	40732	1025904	23.00%	0.556%
159	10.904	10.865	10.932	VV	210413	3729888	83.63%	2.022%
160	10.945	10.932	10.983	VV	40983	1059308	23.75%	0.574%
161	11.019	10.983	11.054	VV	34172	1344054	30.14%	0.729%
162	11.063	11.054	11.074	VV	32489	386491	8.67%	0.210%
163	11.101	11.074	11.131	VV	34837	1090656	24.45%	0.591%
164	11.170	11.131	11.190	VV	38116	1185455	26.58%	0.643%
165	11.223	11.190	11.265	VV	52793	1630521	36.56%	0.884%
166	11.310	11.265	11.345	VV	32331	1377623	30.89%	0.747%
167	11.358	11.345	11.374	VV	31635	529234	11.87%	0.287%
168	11.386	11.374	11.414	VV	31433	722243	16.19%	0.392%
169	11.480	11.414	11.501	VV	32195	1580749	35.44%	0.857%
170	11.527	11.501	11.547	VV	33366	850500	19.07%	0.461%
171	11.558	11.547	11.574	VV	29442	454788	10.20%	0.247%
172	11.623	11.574	11.671	VV	132449	3092333	69.34%	1.677%
173	11.687	11.671	11.713	VV	29936	693962	15.56%	0.376%
174	11.731	11.713	11.751	VV	28122	590375	13.24%	0.320%
175	11.801	11.751	11.869	VV	33881	1960347	43.95%	1.063%
176	11.901	11.869	11.952	VV	28261	1231790	27.62%	0.668%
177	11.974	11.952	12.003	VV	24848	722919	16.21%	0.392%
178	12.037	12.003	12.066	VV	26613	939420	21.06%	0.509%
179	12.086	12.066	12.119	VV	27959	791368	17.74%	0.429%
180	12.145	12.119	12.153	VV	26296	515667	11.56%	0.280%
181	12.180	12.153	12.208	VV	48396	1140690	25.58%	0.618%
182	12.218	12.208	12.252	VV	23967	583078	13.07%	0.316%
183	12.272	12.252	12.290	VV	22666	482668	10.82%	0.262%
184	12.328	12.290	12.376	VV	26515	1174686	26.34%	0.637%
185	12.399	12.376	12.445	VV	22774	852449	19.11%	0.462%
186	12.482	12.445	12.495	VV	20493	589220	13.21%	0.319%
187	12.503	12.495	12.528	VV	20644	385046	8.63%	0.209%
188	12.558	12.528	12.578	VV	18840	540747	12.12%	0.293%
189	12.588	12.578	12.605	VV	17448	274828	6.16%	0.149%
190	12.628	12.605	12.665	VV	17878	611344	13.71%	0.331%
191	12.705	12.665	12.737	VV	19521	762151	17.09%	0.413%
192	12.761	12.737	12.797	VV	23222	700154	15.70%	0.380%
193	12.807	12.797	12.819	VV	16708	211994	4.75%	0.115%
194	12.841	12.819	12.925	VV	21622	1005689	22.55%	0.545%

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195	12.949	12.925	12.968	VV	15366	381172	8.55%	0.207%
196	12.986	12.968	13.019	VV	17630	449154	10	
197	13.030	13.019	13.069	VV	12451	357043	8	
198	13.118	13.069	13.145	VV	12677	542130	12	
199	13.165	13.145	13.190	VV	12284	302350	6	
200	13.211	13.190	13.242	VV	11165	324018	7	
201	13.287	13.242	13.314	VV	51359	940987	21.10%	0.510%
202	13.336	13.314	13.375	VV	18726	510664	11.45%	0.277%
203	13.386	13.375	13.436	VV	11088	358599	8.04%	0.194%
204	13.455	13.436	13.491	VV	8942	269323	6.04%	0.146%
205	13.506	13.491	13.535	VV	8247	206311	4.63%	0.112%
206	13.552	13.535	13.600	VV	8308	296847	6.66%	0.161%
207	13.614	13.600	13.642	VV	7561	171185	3.84%	0.093%
208	13.675	13.642	13.702	VV	9171	268767	6.03%	0.146%
209	13.724	13.702	13.745	VV	7102	167052	3.75%	0.091%
210	13.765	13.745	13.838	VV	6376	305579	6.85%	0.166%
211	13.887	13.838	13.925	VV	5932	271250	6.08%	0.147%
212	13.948	13.925	14.012	VV	5975	243621	5.46%	0.132%
213	14.034	14.012	14.067	VV	4850	129834	2.91%	0.070%
214	14.091	14.067	14.108	VV	3400	82049	1.84%	0.044%
215	14.118	14.108	14.149	VV	3448	78627	1.76%	0.043%
216	14.159	14.149	14.201	VV	3094	92691	2.08%	0.050%
217	14.213	14.201	14.227	VV	2648	38528	0.86%	0.021%
218	14.268	14.227	14.301	VV	4025	132314	2.97%	0.072%
219	14.331	14.301	14.382	VV	2599	107039	2.40%	0.058%
220	14.415	14.382	14.465	VV	2202	92692	2.08%	0.050%
221	14.475	14.465	14.493	VV	1818	27578	0.62%	0.015%
222	14.510	14.493	14.526	VV	1737	31777	0.71%	0.017%
223	14.544	14.526	14.571	VV	1653	37651	0.84%	0.020%
224	14.598	14.571	14.635	VV	2539	56540	1.27%	0.031%
225	14.669	14.635	14.696	VV	1235	40343	0.90%	0.022%
226	14.724	14.696	14.810	VV	1493	65628	1.47%	0.036%
227	14.842	14.810	14.866	VV	817	23240	0.52%	0.013%
228	14.883	14.866	14.934	VV	752	23029	0.52%	0.012%
229	14.978	14.934	15.012	VV	609	20166	0.45%	0.011%
230	15.044	15.012	15.078	VV	403	12417	0.28%	0.007%
231	15.096	15.078	15.108	VV	537	8265	0.19%	0.004%
232	15.137	15.108	15.195	VV	2754	49363	1.11%	0.027%
233	15.197	15.195	15.238	VV	392	5555	0.12%	0.003%
234	15.244	15.238	15.254	VV	208	1404	0.03%	0.001%
235	15.272	15.254	15.314	VV	307	6417	0.14%	0.003%
236	15.335	15.314	15.358	PV	115	2183	0.05%	0.001%
237	15.379	15.358	15.435	VV	210	5042	0.11%	0.003%
238	15.439	15.435	15.450	VV	96	570	0.01%	0.000%
239	15.477	15.450	15.515	VV	145	2779	0.06%	0.002%
240	15.526	15.515	15.538	PV	102	740	0.02%	0.000%
241	15.575	15.538	15.593	VV	205	4347	0.10%	0.002%
242	15.614	15.593	15.627	PV	270	3165	0.07%	0.002%
243	15.657	15.627	15.768	VV	2481	48761	1.09%	0.026%
244	15.789	15.768	15.848	PV	152	2924	0.07%	0.002%
245	15.855	15.848	15.898	VV	155	2942	0.07%	0.002%
246	15.909	15.898	15.914	PV	136	799	0.02%	0.000%

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247	15.978	15.914	16.007	VV	443	14028	0.31%	0.008%
248	16.034	16.007	16.068	VV	235	4650		
249	16.119	16.068	16.135	PV	532	10400		
250	16.157	16.135	16.237	VV	3106	52380		
251	16.258	16.237	16.275	VV	178	1664		
252	16.292	16.275	16.318	VV	115	1912		
253	16.358	16.318	16.384	PV	235	5517	0.12%	0.003%
254	16.393	16.384	16.420	VV	230	2451	0.05%	0.001%
255	16.471	16.420	16.508	VV	393	12333	0.28%	0.007%
256	16.521	16.508	16.561	VV	284	5024	0.11%	0.003%
257	16.639	16.561	16.698	PV	2738	53277	1.19%	0.029%
258	16.733	16.698	16.744	VV	261	6016	0.13%	0.003%
259	16.803	16.744	16.810	VV	425	10704	0.24%	0.006%
260	16.870	16.810	16.885	VV	548	20823	0.47%	0.011%
261	16.988	16.885	17.024	VV	753	46581	1.04%	0.025%
262	17.106	17.024	17.152	VV	3959	108830	2.44%	0.059%
263	17.162	17.152	17.174	VV	946	12057	0.27%	0.007%
264	17.196	17.174	17.220	VV	1050	25975	0.58%	0.014%
265	17.243	17.220	17.253	VV	1012	19160	0.43%	0.010%
266	17.343	17.253	17.365	VV	1443	78863	1.77%	0.043%
267	17.556	17.365	17.601	VV	4354	257263	5.77%	0.139%
268	17.664	17.601	17.694	VV	2092	105801	2.37%	0.057%
269	17.760	17.694	17.772	VV	1926	86147	1.93%	0.047%
270	17.841	17.772	17.858	VV	2108	101349	2.27%	0.055%
271	17.884	17.858	17.900	VV	2190	53338	1.20%	0.029%
272	17.992	17.900	18.036	VV	5519	238331	5.34%	0.129%
273	18.132	18.036	18.198	VV	3242	266733	5.98%	0.145%
274	18.271	18.198	18.288	VV	3170	156096	3.50%	0.085%

Sum of corrected areas: 184428848

Aliphatic EPH 100824.M Fri Nov 01 09:10:09 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-8DL		SDG No.:	P4599	
Lab Sample ID:	P4599-08DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.4	
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
FG014611.D	20	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	59.8		7.10	15.8	mg/kg
Aromatic C12-C16	Aromatic C12-C16	275		8.05	23.7	mg/kg
Aromatic C16-C21	Aromatic C16-C21	548		22.7	39.4	mg/kg
Aromatic C21-C36	Aromatic C21-C36	20.8	J	47.3	63.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	6.21		40 - 140	248%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	5.15		40 - 140	206%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.30		40 - 140	132%	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:	P4599-08DL	Acq On:	31 Oct 2024 15:10
Client Sample ID:	EX-1-TPH-8DL	Operator:	YP\AJ
Data file:	FG014611.D	Misc:	
Instrument:	FID_G	ALS Vial:	45
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	5284837	37.885	200	ug/ml
Aromatic C12-C16	6.386	9.086	25385743	174.529	300	ug/ml
Aromatic C16-C21	9.087	13.404	50388506	347.921	500	ug/ml
Aromatic C21-C36	13.405	18.847	1873893	13.184	800	ug/ml
Aromatic EPH	4.516	18.847	82932979	573.519		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	488241	3.3		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	780117	6.21		ug/ml
2-Flurobiphenyl (SURR)	8.883	8.883	443506	5.15		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014611.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 15:10
Operator : YP\AJ
Sample : P4599-08DL 20X
Misc :
ALS Vial : 45 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:27:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.010	780117	6.214 ug/mlm
Spiked Amount 50.000		Recovery =	12.43%
6) S 2-Flurobiphenyl (SURR)	8.883	443506	5.149 ug/mlm
Spiked Amount 50.000	Range 0 - 131	Recovery =	10.30%
11) S ortho-Terphenyl (SURR)	11.954	488241	3.298 ug/mlm
Spiked Amount 50.000		Recovery =	6.60%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014611.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 15:10
Operator : YP\AJ
Sample : P4599-08DL 20X
Misc :
ALS Vial : 45 Sample Multiplier: 1

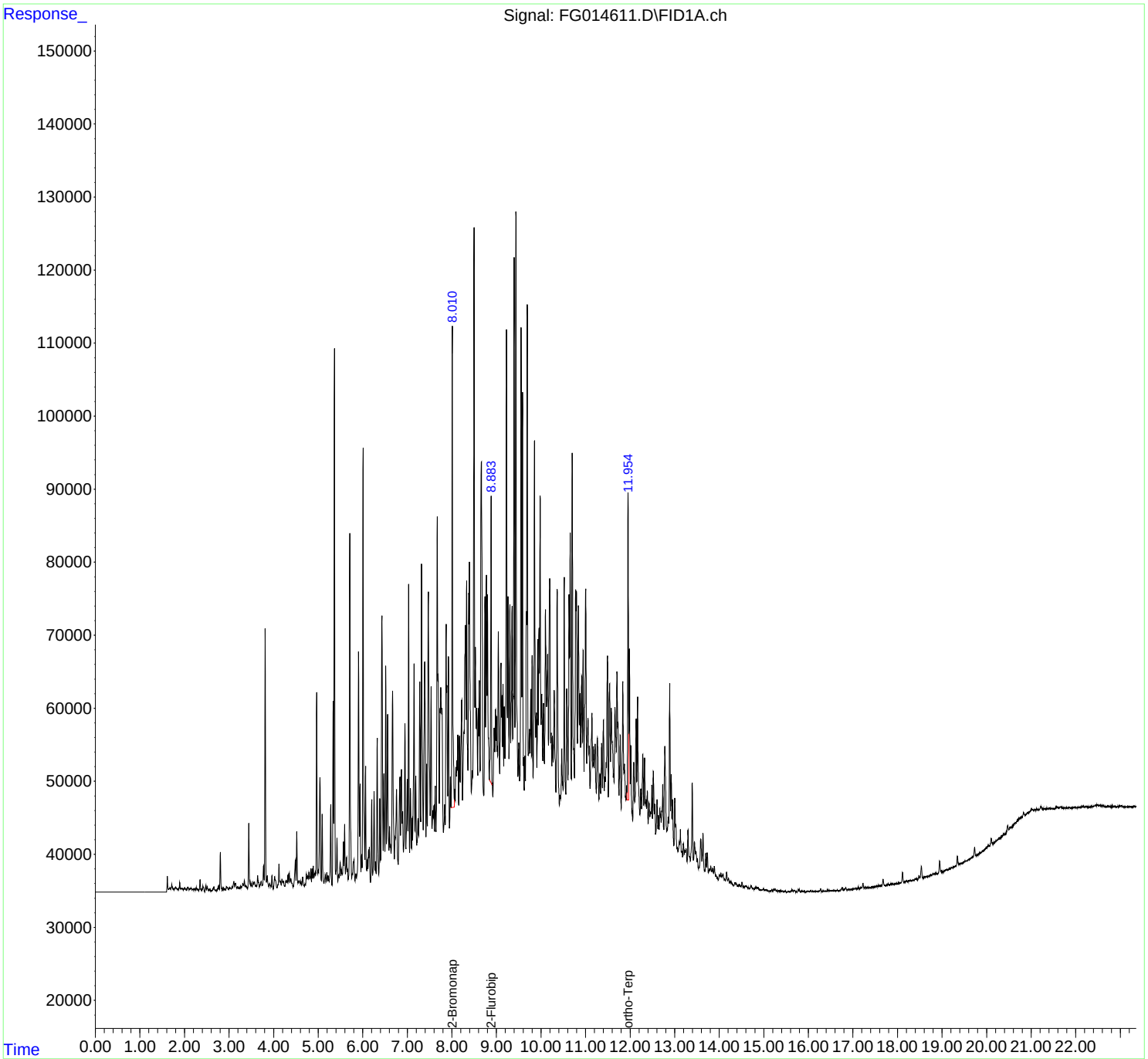
Integration File: autoint1.e
Quant Time: Nov 01 01:27:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

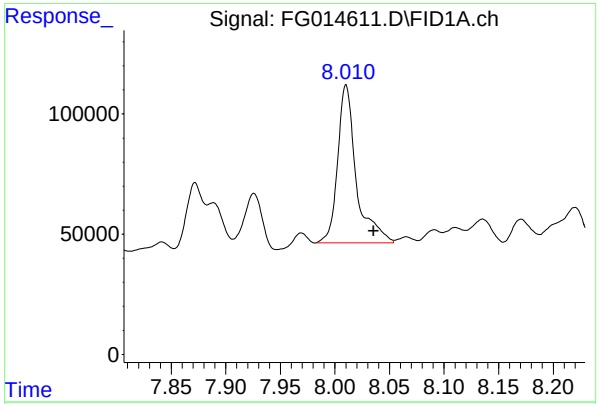
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024





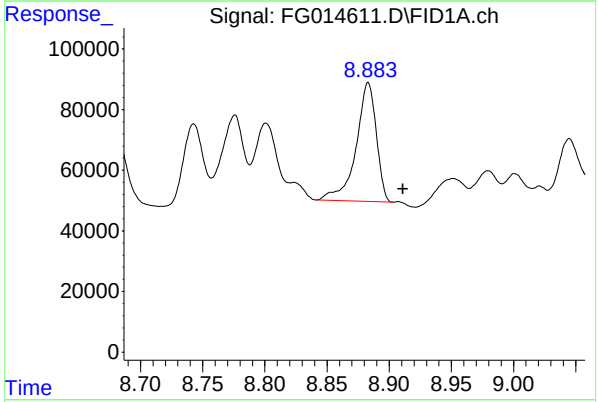
#4 2-Bromonaphthalene (SURR)

R.T.: 8.010 min
Delta R.T.: -0.026 min
Response: 780117
Conc: 6.21 ug/ml

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

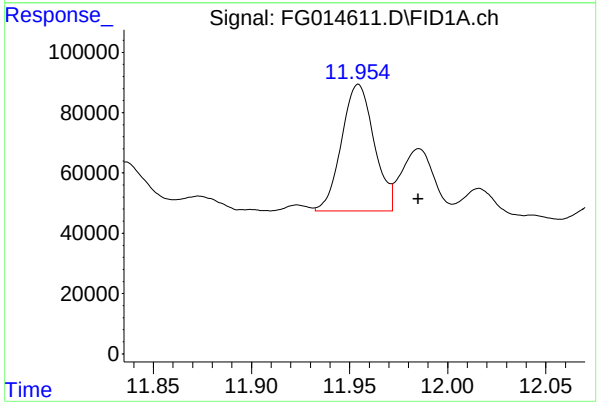
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.883 min
Delta R.T.: -0.028 min
Response: 443506
Conc: 5.15 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.031 min
Response: 488241
Conc: 3.30 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/04/2024
Supervised By :Ankita Sodhani

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014611.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 15:10
Sample : P4599-08DL 20X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

11/04/2024

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.274	4.250	4.285	BV	805	8957	0.56%	0.010%
2	4.295	4.285	4.307	VV	805	9302	0.58%	0.011%
3	4.322	4.307	4.337	VV	1624	19163	1.20%	0.022%
4	4.352	4.337	4.372	VV	1863	26339	1.65%	0.031%
5	4.389	4.372	4.407	VV	1103	18366	1.15%	0.022%
6	4.415	4.407	4.437	VV	514	5359	0.34%	0.006%
7	4.489	4.437	4.504	PV	3687	59479	3.73%	0.070%
8	4.521	4.504	4.549	VV	7559	85810	5.38%	0.101%
9	4.560	4.549	4.564	VV	752	5863	0.37%	0.007%
10	4.567	4.564	4.571	VV	726	2936	0.18%	0.003%
11	4.580	4.571	4.605	VV	789	12359	0.77%	0.014%
12	4.616	4.605	4.632	VV	749	7665	0.48%	0.009%
13	4.654	4.632	4.677	VV	1340	18605	1.17%	0.022%
14	4.688	4.677	4.698	VV	206	1994	0.12%	0.002%
15	4.710	4.698	4.716	VV	309	2383	0.15%	0.003%
16	4.735	4.716	4.748	VV	1736	19574	1.23%	0.023%
17	4.763	4.748	4.777	VV	1454	21700	1.36%	0.025%
18	4.792	4.777	4.818	VV	1931	33178	2.08%	0.039%
19	4.836	4.818	4.850	VV	2417	30387	1.90%	0.036%
20	4.865	4.850	4.876	VV	2377	25228	1.58%	0.030%
21	4.890	4.876	4.909	VV	2788	36921	2.31%	0.043%
22	4.923	4.909	4.934	VV	1753	22968	1.44%	0.027%
23	4.967	4.934	4.989	VV	26504	289283	18.13%	0.339%
24	5.000	4.989	5.010	VV	2185	24064	1.51%	0.028%
25	5.041	5.010	5.070	VV	14832	243541	15.26%	0.285%
26	5.091	5.070	5.131	VV	9786	114078	7.15%	0.134%
27	5.160	5.131	5.176	VV	1536	24978	1.57%	0.029%
28	5.195	5.176	5.213	VV	1795	24333	1.52%	0.029%
29	5.225	5.213	5.245	VV	1356	17752	1.11%	0.021%
30	5.283	5.245	5.311	VV	11054	128610	8.06%	0.151%
31	5.337	5.311	5.349	PV	25198	240553	15.07%	0.282%
32	5.365	5.349	5.393	VV	73477	755957	47.36%	0.886%
33	5.423	5.393	5.442	VV	6434	85628	5.37%	0.100%
34	5.460	5.442	5.475	VV	1407	21186	1.33%	0.025%
35	5.495	5.475	5.511	VV	3066	46142	2.89%	0.054%
36	5.523	5.511	5.546	VV	2111	33910	2.12%	0.040%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/04/2024
Supervised By :Ankita Jethani

11/04/2024

rteres

37	5.567	5.546	5.580	VV	5881	72332	4.53%	0.085%
38	5.595	5.580	5.612	VV	8273	93082	5	
39	5.638	5.612	5.652	VV	3705	58887	3	
40	5.658	5.652	5.675	VV	2011	20243	1	
41	5.711	5.675	5.753	VV	47989	566066	35	
42	5.766	5.753	5.774	VV	1402	14783	0	
43	5.789	5.774	5.795	VV	3058	29973	1.88%	0.035%
44	5.804	5.795	5.827	VV	3310	39551	2.48%	0.046%
45	5.847	5.827	5.860	VV	1331	19327	1.21%	0.023%
46	5.907	5.860	5.930	VV	31726	420080	26.32%	0.492%
47	5.942	5.930	5.961	VV	13584	145228	9.10%	0.170%
48	5.975	5.961	5.987	VV	3950	45706	2.86%	0.054%
49	6.008	5.987	6.048	VV	59591	729379	45.70%	0.855%
50	6.064	6.048	6.094	VV	15966	181028	11.34%	0.212%
51	6.108	6.094	6.118	VV	3221	35954	2.25%	0.042%
52	6.132	6.118	6.141	VV	4514	46834	2.93%	0.055%
53	6.150	6.141	6.175	VV	4869	51872	3.25%	0.061%
54	6.285	6.274	6.302	PV	1362	10227	0.64%	0.012%
55	6.326	6.302	6.360	PV	18624	213819	13.40%	0.251%
56	6.384	6.360	6.402	PV	10441	112880	7.07%	0.132%
57	6.431	6.402	6.460	VV	35452	572339	35.86%	0.671%
58	6.476	6.460	6.500	VV	13871	190999	11.97%	0.224%
59	6.518	6.500	6.535	VV	28651	305690	19.15%	0.358%
60	6.560	6.535	6.589	VV	21931	327358	20.51%	0.384%
61	6.604	6.589	6.617	VV	6663	81590	5.11%	0.096%
62	6.623	6.617	6.637	VV	4267	45929	2.88%	0.054%
63	6.672	6.637	6.711	VV	25286	480226	30.09%	0.563%
64	6.728	6.711	6.732	VV	5222	49831	3.12%	0.058%
65	6.759	6.732	6.797	VV	11769	238223	14.93%	0.279%
66	6.835	6.797	6.849	VV	13546	245063	15.35%	0.287%
67	6.870	6.849	6.886	VV	14577	238337	14.93%	0.279%
68	6.895	6.886	6.915	VV	8759	112942	7.08%	0.132%
69	6.949	6.915	6.968	VV	20819	310083	19.43%	0.363%
70	7.001	6.968	7.015	VV	13235	230014	14.41%	0.270%
71	7.032	7.015	7.053	VV	39904	428203	26.83%	0.502%
72	7.072	7.053	7.096	VV	12058	191328	11.99%	0.224%
73	7.111	7.096	7.122	VV	7949	92449	5.79%	0.108%
74	7.154	7.122	7.174	VV	29067	454811	28.50%	0.533%
75	7.191	7.174	7.212	VV	13724	199034	12.47%	0.233%
76	7.241	7.212	7.256	VV	7932	155344	9.73%	0.182%
77	7.281	7.256	7.301	VV	26648	401136	25.13%	0.470%
78	7.322	7.301	7.359	VV	42821	711985	44.61%	0.834%
79	7.391	7.359	7.421	VV	29435	646497	40.51%	0.757%
80	7.436	7.421	7.451	VV	15455	188375	11.80%	0.221%
81	7.472	7.451	7.515	VV	38979	800392	50.15%	0.938%
82	7.536	7.515	7.556	VV	26067	379752	23.79%	0.445%
83	7.576	7.556	7.588	VV	9131	155981	9.77%	0.183%
84	7.599	7.588	7.611	VV	9797	116902	7.32%	0.137%
85	7.628	7.611	7.645	VV	12480	183759	11.51%	0.215%
86	7.673	7.645	7.688	VV	49240	675888	42.35%	0.792%
87	7.693	7.688	7.720	VV	27855	397123	24.88%	0.465%
88	7.736	7.720	7.742	VV	23170	242603	15.20%	0.284%
89	7.753	7.742	7.774	VV	26007	464470	29.10%	0.544%

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

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/04/2024

Supervised By :Ankita Jadhani

12/04/2024

90	7.781	7.774	7.812	VV	23225	332930	20.86%	0.390%
91	7.841	7.812	7.853	VV	10000	192887	12	
92	7.872	7.853	7.883	VV	34669	423662	26	
93	7.888	7.883	7.907	VV	26342	282489	17	
94	7.926	7.907	7.947	VV	30279	436016	27	
95	7.969	7.947	7.982	VV	13813	213805	13	
96	8.010	7.982	8.055	VV	75471	1200567	75.22%	1.407%
97	8.065	8.055	8.076	VV	12187	146686	9.19%	0.172%
98	8.091	8.076	8.099	VV	15165	183656	11.51%	0.215%
99	8.110	8.099	8.120	VV	16052	190762	11.95%	0.224%
100	8.135	8.120	8.154	VV	19596	328053	20.55%	0.384%
101	8.171	8.154	8.188	VV	19490	308794	19.35%	0.362%
102	8.220	8.188	8.241	VV	24436	562792	35.26%	0.659%
103	8.307	8.241	8.320	VV	34711	1074838	67.34%	1.259%
104	8.332	8.320	8.362	VV	40779	646235	40.49%	0.757%
105	8.379	8.362	8.386	VV	39117	410517	25.72%	0.481%
106	8.397	8.386	8.438	VV	43341	838445	52.53%	0.982%
107	8.462	8.438	8.470	VV	14829	254146	15.92%	0.298%
108	8.499	8.470	8.518	VV	89199	1314060	82.33%	1.540%
109	8.529	8.518	8.548	VV	31723	464050	29.08%	0.544%
110	8.561	8.548	8.581	VV	23398	403494	25.28%	0.473%
111	8.594	8.581	8.603	VV	23339	260065	16.29%	0.305%
112	8.616	8.603	8.634	VV	27164	413920	25.93%	0.485%
113	8.662	8.634	8.715	VV	57094	1569178	98.32%	1.839%
114	8.743	8.715	8.757	VV	38744	593527	37.19%	0.695%
115	8.776	8.757	8.788	VV	41617	589123	36.91%	0.690%
116	8.801	8.788	8.842	VV	39018	789466	49.46%	0.925%
117	8.883	8.842	8.921	VV	52482	1067207	66.87%	1.250%
118	8.951	8.921	8.965	VV	20799	444044	27.82%	0.520%
119	8.980	8.965	8.991	VV	23314	329636	20.65%	0.386%
120	9.001	8.991	9.015	VV	22398	292355	18.32%	0.343%
121	9.021	9.015	9.027	VV	18310	131078	8.21%	0.154%
122	9.045	9.027	9.074	VV	33985	650378	40.75%	0.762%
123	9.103	9.074	9.116	VV	29629	563586	35.31%	0.660%
124	9.124	9.116	9.138	VV	25273	300372	18.82%	0.352%
125	9.150	9.138	9.164	VV	26807	345422	21.64%	0.405%
126	9.177	9.164	9.192	VV	23734	322777	20.22%	0.378%
127	9.227	9.192	9.247	VV	75332	1268173	79.46%	1.486%
128	9.262	9.247	9.284	VV	38894	615134	38.54%	0.721%
129	9.302	9.284	9.321	VV	37762	595061	37.28%	0.697%
130	9.352	9.321	9.367	VV	37614	734269	46.01%	0.860%
131	9.398	9.367	9.415	VV	85338	1228318	76.96%	1.439%
132	9.439	9.415	9.484	VV	91545	1596033	100.00%	1.870%
133	9.505	9.484	9.523	VV	18889	376438	23.59%	0.441%
134	9.555	9.523	9.571	VV	75707	1083567	67.89%	1.270%
135	9.586	9.571	9.605	VV	66890	829713	51.99%	0.972%
136	9.611	9.605	9.624	VV	16866	171728	10.76%	0.201%
137	9.638	9.624	9.652	VV	17090	248018	15.54%	0.291%
138	9.672	9.652	9.677	VV	36823	389875	24.43%	0.457%
139	9.693	9.677	9.716	VV	78813	1094057	68.55%	1.282%
140	9.741	9.716	9.757	VV	20844	459682	28.80%	0.539%
141	9.773	9.757	9.788	VV	26279	396081	24.82%	0.464%

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

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/04/2024
Supervised By : Ankita Jethani

17/04/2024

142	9.802	9.788	9.824	VV	30951	481264	30.15%	0.564%
143	9.855	9.824	9.882	VV	60277	1086918	68	
144	9.896	9.882	9.911	VV	23109	345077	21	
145	9.928	9.911	9.942	VV	33285	480460	30	
146	9.957	9.942	9.967	VV	34666	441955	27	
147	9.982	9.967	10.003	VV	52824	798989	50	
148	10.019	10.003	10.042	VV	25655	510311	31.97%	0.598%
149	10.056	10.042	10.079	VV	24417	439542	27.54%	0.515%
150	10.102	10.079	10.125	VV	37268	776196	48.63%	0.909%
151	10.150	10.125	10.168	VV	31147	686908	43.04%	0.805%
152	10.198	10.168	10.219	VV	41594	944065	59.15%	1.106%
153	10.228	10.219	10.245	VV	20415	291279	18.25%	0.341%
154	10.260	10.245	10.275	VV	19980	323934	20.30%	0.380%
155	10.298	10.275	10.337	VV	26209	698189	43.75%	0.818%
156	10.363	10.337	10.413	VV	40097	976505	61.18%	1.144%
157	10.428	10.413	10.440	VV	11961	187818	11.77%	0.220%
158	10.466	10.440	10.482	VV	18327	371274	23.26%	0.435%
159	10.487	10.482	10.497	VV	13772	116750	7.32%	0.137%
160	10.522	10.497	10.558	VV	41763	769401	48.21%	0.901%
161	10.580	10.558	10.605	VV	26589	552141	34.59%	0.647%
162	10.631	10.605	10.642	VV	39475	609827	38.21%	0.715%
163	10.657	10.642	10.681	VV	47920	748721	46.91%	0.877%
164	10.701	10.681	10.752	VV	58863	1179519	73.90%	1.382%
165	10.777	10.752	10.785	VV	40119	556481	34.87%	0.652%
166	10.795	10.785	10.818	VV	39974	631691	39.58%	0.740%
167	10.840	10.818	10.864	VV	38014	776280	48.64%	0.910%
168	10.877	10.864	10.892	VV	26013	376927	23.62%	0.442%
169	10.913	10.892	10.930	VV	28384	547770	34.32%	0.642%
170	10.947	10.930	10.966	VV	31907	519257	32.53%	0.608%
171	11.004	10.966	11.026	VV	40358	966991	60.59%	1.133%
172	11.055	11.026	11.074	VV	22620	572919	35.90%	0.671%
173	11.084	11.074	11.100	VV	18882	266767	16.71%	0.313%
174	11.144	11.100	11.162	VV	23391	680643	42.65%	0.797%
175	11.176	11.162	11.193	VV	18792	318464	19.95%	0.373%
176	11.215	11.193	11.242	VV	19199	473159	29.65%	0.554%
177	11.265	11.242	11.300	VV	19988	567800	35.58%	0.665%
178	11.322	11.300	11.341	VV	15092	324411	20.33%	0.380%
179	11.361	11.341	11.380	VV	19304	381186	23.88%	0.447%
180	11.402	11.380	11.421	VV	22499	430326	26.96%	0.504%
181	11.433	11.421	11.442	VV	14669	178579	11.19%	0.209%
182	11.462	11.442	11.467	VV	16675	231375	14.50%	0.271%
183	11.493	11.467	11.514	VV	31345	621411	38.93%	0.728%
184	11.541	11.514	11.560	VV	27473	601276	37.67%	0.705%
185	11.576	11.560	11.624	VV	24192	745414	46.70%	0.873%
186	11.629	11.624	11.640	VV	15176	144721	9.07%	0.170%
187	11.660	11.640	11.689	VV	24294	587034	36.78%	0.688%
188	11.705	11.689	11.722	VV	29160	475896	29.82%	0.558%
189	11.727	11.722	11.751	VV	22377	314478	19.70%	0.368%
190	11.778	11.751	11.800	VV	20536	461247	28.90%	0.540%
191	11.836	11.800	11.861	VV	27881	685651	42.96%	0.803%
192	11.873	11.861	11.910	VV	16585	414664	25.98%	0.486%
193	11.923	11.910	11.931	VV	13648	162213	10.16%	0.190%
194	11.955	11.931	11.972	VV	53716	764568	47.90%	0.896%

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

rteres

195	11.985	11.972	12.003	VV	32371	454148	28.45%	0.532%
196	12.016	12.003	12.057	VV	19169	424999	26	
197	12.081	12.057	12.104	VV	16904	372758	23	
198	12.135	12.104	12.151	VV	22886	460465	28	
199	12.167	12.151	12.219	VV	25882	657626	41	
200	12.241	12.219	12.258	VV	13344	271797	17	
201	12.285	12.258	12.307	VV	17960	422262	26.46%	0.495%
202	12.325	12.307	12.346	VV	17588	325316	20.38%	0.381%
203	12.355	12.346	12.370	VV	11837	165430	10.37%	0.194%
204	12.388	12.370	12.405	VV	13080	234122	14.67%	0.274%
205	12.425	12.405	12.444	VV	11396	236291	14.80%	0.277%
206	12.465	12.444	12.472	VV	10257	169313	10.61%	0.198%
207	12.488	12.472	12.502	VV	13880	212363	13.31%	0.249%
208	12.521	12.502	12.542	VV	15762	303477	19.01%	0.356%
209	12.552	12.542	12.573	VV	11321	178090	11.16%	0.209%
210	12.605	12.573	12.623	VV	11910	282412	17.69%	0.331%
211	12.635	12.623	12.650	VV	9788	143549	8.99%	0.168%
212	12.668	12.650	12.696	VV	10755	262734	16.46%	0.308%
213	12.711	12.696	12.715	VV	10414	110292	6.91%	0.129%
214	12.732	12.715	12.755	VV	13991	264413	16.57%	0.310%
215	12.778	12.755	12.820	VV	19254	495985	31.08%	0.581%
216	12.830	12.820	12.836	VV	7973	72461	4.54%	0.085%
217	12.855	12.836	12.866	VV	9597	158025	9.90%	0.185%
218	12.888	12.866	12.907	VV	27891	433448	27.16%	0.508%
219	12.922	12.907	12.939	VV	15404	244783	15.34%	0.287%
220	12.952	12.939	12.982	VV	12025	229789	14.40%	0.269%
221	13.002	12.982	13.019	VV	12224	204540	12.82%	0.240%
222	13.025	13.019	13.050	VV	8594	132035	8.27%	0.155%
223	13.062	13.050	13.076	VV	5445	81214	5.09%	0.095%
224	13.102	13.076	13.112	VV	6258	122972	7.70%	0.144%
225	13.130	13.112	13.149	VV	7985	145721	9.13%	0.171%
226	13.158	13.149	13.176	VV	5026	77410	4.85%	0.091%
227	13.195	13.176	13.213	VV	6081	115188	7.22%	0.135%
228	13.226	13.213	13.239	VV	5124	75269	4.72%	0.088%
229	13.254	13.239	13.278	VV	5373	112224	7.03%	0.131%
230	13.300	13.278	13.350	VV	7966	220283	13.80%	0.258%
231	13.394	13.350	13.421	VV	14449	300356	18.82%	0.352%
232	13.445	13.421	13.465	VV	6345	137401	8.61%	0.161%
233	13.477	13.465	13.499	VV	5069	92972	5.83%	0.109%
234	13.511	13.499	13.532	VV	4119	69961	4.38%	0.082%
235	13.545	13.532	13.551	VV	2942	32748	2.05%	0.038%
236	13.585	13.551	13.614	VV	6788	182990	11.47%	0.214%
237	13.634	13.614	13.680	VV	7594	171256	10.73%	0.201%
238	13.699	13.680	13.714	VV	4850	74563	4.67%	0.087%
239	13.731	13.714	13.756	VV	4936	89532	5.61%	0.105%
240	13.776	13.756	13.789	VV	2770	50483	3.16%	0.059%
241	13.809	13.789	13.832	VV	3105	70157	4.40%	0.082%
242	13.851	13.832	13.870	VV	2834	57801	3.62%	0.068%
243	13.888	13.870	13.927	VV	3112	80711	5.06%	0.095%
244	13.932	13.927	13.954	VV	1889	27835	1.74%	0.033%
245	13.958	13.954	13.979	VV	1515	21475	1.35%	0.025%
246	14.001	13.979	14.020	VV	1986	43099	2.70%	0.050%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/04/2024

Supervised By :Ankita Jadhani

10/04/2024

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/04/2024

Supervised By : Ankita Joshani

12/04/2024

rteres

247	14.038	14.020	14.056	VV	2226	41931	2.63%	0.049%
248	14.066	14.056	14.070	VV	1925	15004	[illegible]	
249	14.085	14.070	14.113	VV	2135	46267	[illegible]	
250	14.120	14.113	14.140	VV	1463	22051	[illegible]	
251	14.165	14.140	14.192	VV	2440	53287	[illegible]	
252	14.207	14.192	14.229	VV	1613	29272	[illegible]	
253	14.247	14.229	14.323	VV	1226	51194	3.21%	0.060%
254	14.349	14.323	14.357	VV	1014	15987	1.00%	0.019%
255	14.367	14.357	14.425	VV	978	30941	1.94%	0.036%
256	14.457	14.425	14.474	VV	799	19724	1.24%	0.023%
257	14.510	14.474	14.535	VV	1163	26189	1.64%	0.031%
258	14.548	14.535	14.570	VV	506	9775	0.61%	0.011%
259	14.586	14.570	14.593	VV	637	7549	0.47%	0.009%
260	14.603	14.593	14.645	VV	681	16528	1.04%	0.019%
261	14.651	14.645	14.669	VV	387	5007	0.31%	0.006%
262	14.674	14.669	14.688	VV	367	3501	0.22%	0.004%
263	14.715	14.688	14.744	VV	692	16773	1.05%	0.020%
264	14.751	14.744	14.766	VV	403	4467	0.28%	0.005%
265	14.771	14.766	14.782	VV	313	2634	0.17%	0.003%
266	14.786	14.782	14.790	VV	273	1238	0.08%	0.001%
267	14.808	14.790	14.822	VV	480	7442	0.47%	0.009%
268	14.833	14.822	14.858	VV	542	9500	0.60%	0.011%
269	14.868	14.858	14.934	VV	544	13124	0.82%	0.015%
270	14.969	14.946	14.975	VV	233	2955	0.19%	0.003%
271	14.994	14.975	15.010	VV	349	4920	0.31%	0.006%
272	15.031	15.010	15.080	VV	249	7450	0.47%	0.009%
273	15.087	15.080	15.099	VV	183	1418	0.09%	0.002%
274	15.140	15.112	15.154	VV	103	1568	0.10%	0.002%
275	15.182	15.163	15.200	VV	311	3809	0.24%	0.004%
276	15.220	15.200	15.236	VV	388	5275	0.33%	0.006%
277	15.253	15.236	15.278	VV	424	6535	0.41%	0.008%
278	15.301	15.278	15.316	VV	209	3331	0.21%	0.004%
279	15.335	15.316	15.353	VV	200	2789	0.17%	0.003%
280	15.364	15.353	15.397	VV	160	3504	0.22%	0.004%
281	15.423	15.410	15.452	VV	178	2396	0.15%	0.003%
282	15.482	15.467	15.519	VV	195	2831	0.18%	0.003%
283	15.553	15.519	15.573	VV	131	1946	0.12%	0.002%
284	15.631	15.602	15.656	VV	424	6971	0.44%	0.008%
285	15.676	15.665	15.727	VV	276	5893	0.37%	0.007%
286	15.775	15.744	15.780	VV	355	3803	0.24%	0.004%
287	15.786	15.780	15.819	VV	351	4617	0.29%	0.005%
288	15.852	15.837	15.861	VV	151	1208	0.08%	0.001%
289	15.987	15.960	15.997	VV	145	2028	0.13%	0.002%
290	16.062	16.025	16.073	VV	148	2186	0.14%	0.003%
291	16.083	16.073	16.098	VV	108	1114	0.07%	0.001%
292	16.137	16.113	16.154	PV	99	1314	0.08%	0.002%
293	16.183	16.169	16.211	VV	92	1515	0.09%	0.002%
294	16.236	16.211	16.248	VV	126	1572	0.10%	0.002%
295	16.276	16.248	16.313	VV	412	6153	0.39%	0.007%
296	16.329	16.313	16.349	PV	132	1338	0.08%	0.002%
297	16.370	16.361	16.399	VV	77	1049	0.07%	0.001%
298	16.429	16.399	16.435	VV	180	2249	0.14%	0.003%
299	16.454	16.435	16.477	VV	181	3146	0.20%	0.004%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/04/2024

Supervised By :Ankita Sodhani

11/04/2024

					rteres			
300	16.488	16.477	16.512	VV	98	1344	0.08%	0.002%
301	16.652	16.649	16.696	VV	123	1591	0	
302	16.757	16.713	16.788	VV	469	10257	0	
303	16.800	16.788	16.813	VV	208	2004	0	
304	16.840	16.813	16.874	VV	418	7065	0	
305	16.894	16.874	16.913	VV	129	2245	0	
306	16.918	16.913	16.952	VV	101	1584	0.10%	0.002%
307	17.036	17.023	17.047	VV	135	1393	0.09%	0.002%
308	17.065	17.047	17.086	VV	159	2094	0.13%	0.002%
309	17.118	17.098	17.153	VV	330	5055	0.32%	0.006%
310	17.191	17.153	17.204	VV	187	3886	0.24%	0.005%
311	17.225	17.204	17.257	VV	780	11434	0.72%	0.013%
312	17.275	17.257	17.292	VV	222	3001	0.19%	0.004%
313	17.305	17.292	17.323	VV	104	1336	0.08%	0.002%
314	17.347	17.323	17.352	VV	111	1416	0.09%	0.002%
315	17.461	17.432	17.476	VV	119	1722	0.11%	0.002%
316	17.511	17.490	17.516	VV	145	1651	0.10%	0.002%
317	17.519	17.516	17.532	VV	142	1021	0.06%	0.001%
318	17.556	17.532	17.582	VV	163	3310	0.21%	0.004%
319	17.598	17.582	17.608	VV	116	1632	0.10%	0.002%
320	17.615	17.608	17.625	VV	113	1020	0.06%	0.001%
321	17.676	17.625	17.710	VV	977	16499	1.03%	0.019%
322	17.716	17.710	17.748	VV	113	1342	0.08%	0.002%
323	17.788	17.748	17.822	PV	242	4748	0.30%	0.006%
324	17.860	17.822	17.882	VV	204	3607	0.23%	0.004%
325	17.928	17.882	17.945	VV	101	2732	0.17%	0.003%
326	17.981	17.966	18.014	PV	91	1156	0.07%	0.001%
327	18.114	18.014	18.150	PV	1470	23436	1.47%	0.027%
328	18.169	18.150	18.182	PV	174	1636	0.10%	0.002%
329	18.201	18.182	18.224	VV	261	3424	0.21%	0.004%
					Sum of corrected areas:	85347717		

Aromatic EPH 102124.M Mon Nov 04 02:24:13 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-8DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-08DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.4	
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
FE050954.D	50	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	152		22.5	59.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	527		14.2	39.4	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	301		17.7	59.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	20.5	J	47.3	78.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	106	U	106	118	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:	P4599-08DL2	Acq On:	31 Oct 2024 20:35
Client Sample ID:	EX-1-TPH-8DL2	Operator:	YP\AJ
Data file:	FE050954.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	5536364	38.743	300	ug/ml
Aliphatic C12-C16	6.762	10.193	19413985	133.78	200	ug/ml
Aliphatic C16-C21	10.194	13.552	11052228	76.538	300	ug/ml
Aliphatic C21-C28	13.553	17.208	737360	5.187	400	ug/ml
Aliphatic C28-C40	17.209	22.054	0	0	600	ug/ml
Aliphatic EPH	3.144	22.054	36739937	254.249		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	3.144	17.208	36739937	254.248	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050954.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 20:35
Operator : YP\AJ
Sample : P4599-08DL2 50X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-8DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:44:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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

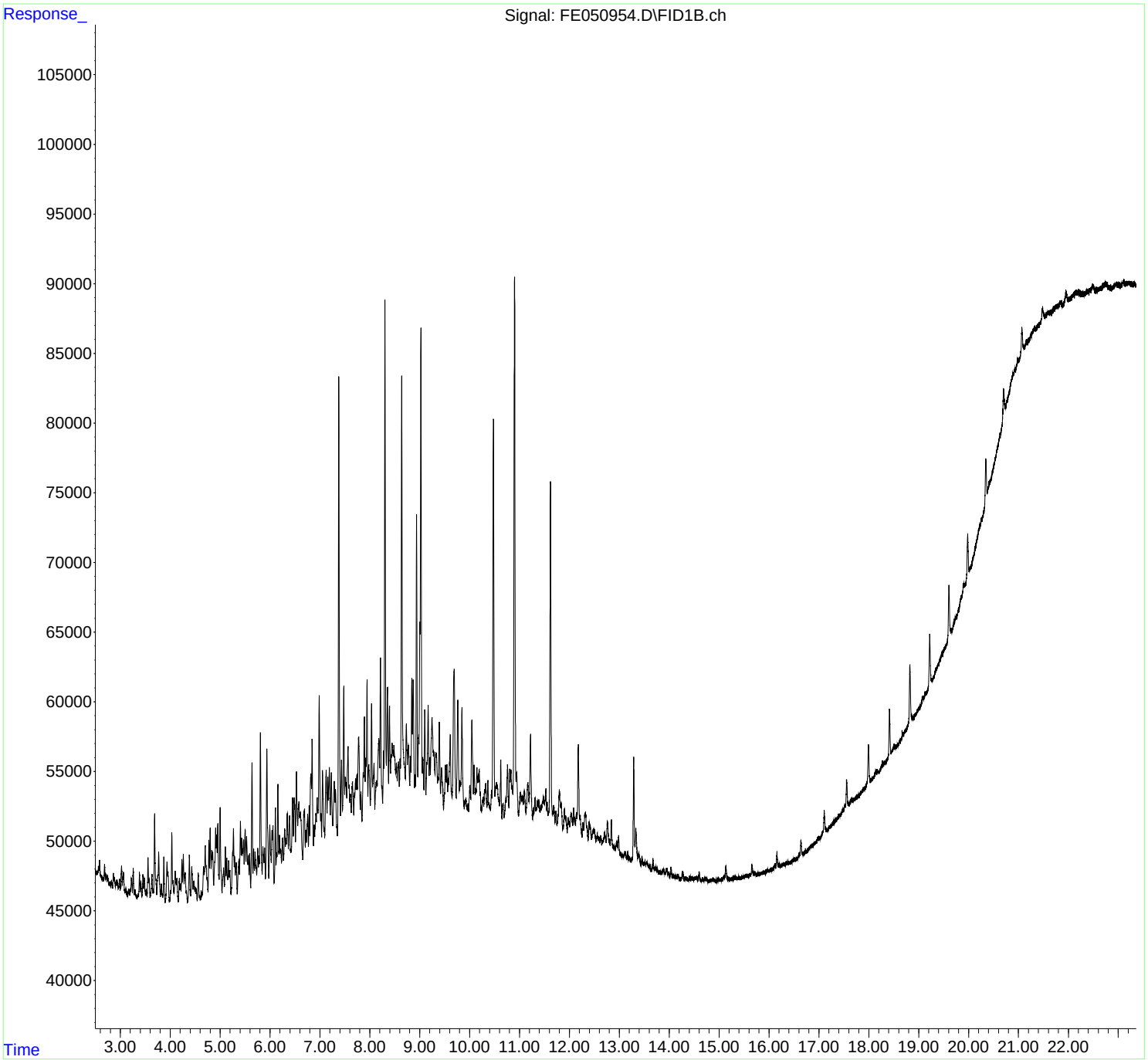
(f)=RT Delta > 1/2 Window (m)=manual int.

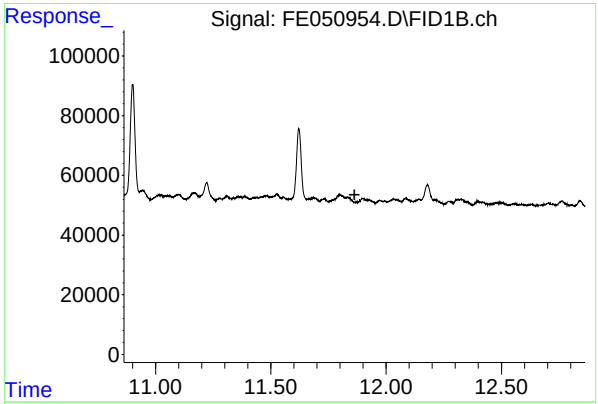
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050954.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 20:35
Operator : YP\AJ
Sample : P4599-08DL2 50X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-8DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:44:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

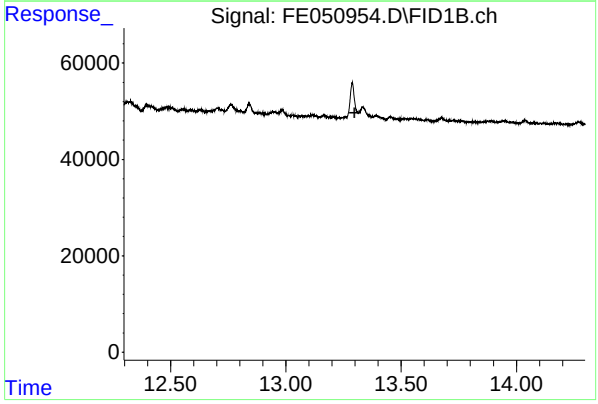




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-8DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.298 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050954.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 20:35
Sample : P4599-08DL2 50X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.290	3.278	3.332	PV	290	4524	0.46%	0.012%
2	3.384	3.332	3.401	PV	1819	25215	2.59%	0.069%
3	3.413	3.401	3.432	VV	1239	14271	1.46%	0.039%
4	3.454	3.432	3.469	VV	1684	21896	2.25%	0.060%
5	3.484	3.469	3.511	VV	1437	21866	2.24%	0.060%
6	3.522	3.511	3.534	VV	662	6569	0.67%	0.018%
7	3.555	3.534	3.597	VV	2952	48804	5.01%	0.133%
8	3.633	3.597	3.668	VV	1776	36012	3.70%	0.098%
9	3.687	3.668	3.730	VV	6058	89491	9.18%	0.244%
10	3.770	3.730	3.803	VV	3514	70574	7.24%	0.192%
11	3.822	3.803	3.851	VV	1066	18962	1.95%	0.052%
12	3.873	3.851	3.900	VV	3112	33269	3.41%	0.091%
13	3.936	3.900	3.986	PV	2810	63438	6.51%	0.173%
14	4.033	3.986	4.080	VV	4896	79222	8.13%	0.216%
15	4.101	4.080	4.120	VV	2145	35338	3.63%	0.096%
16	4.133	4.120	4.161	VV	1631	22332	2.29%	0.061%
17	4.182	4.161	4.195	VV	1628	18827	1.93%	0.051%
18	4.205	4.195	4.217	VV	1190	13323	1.37%	0.036%
19	4.234	4.217	4.247	VV	2987	35949	3.69%	0.098%
20	4.263	4.247	4.280	VV	3352	45573	4.68%	0.124%
21	4.300	4.280	4.346	VV	2056	44600	4.58%	0.121%
22	4.384	4.346	4.411	PV	3360	47428	4.87%	0.129%
23	4.432	4.411	4.457	VV	2435	43585	4.47%	0.119%
24	4.474	4.457	4.540	VV	1435	44427	4.56%	0.121%
25	4.562	4.540	4.604	VV	1953	30860	3.17%	0.084%
26	4.622	4.604	4.634	VV	661	8369	0.86%	0.023%
27	4.671	4.634	4.683	VV	2435	42288	4.34%	0.115%
28	4.701	4.683	4.757	VV	3970	100757	10.34%	0.274%
29	4.775	4.757	4.786	VV	4347	46600	4.78%	0.127%
30	4.800	4.786	4.819	VV	5227	73723	7.57%	0.201%
31	4.834	4.819	4.844	VV	3571	47108	4.83%	0.128%
32	4.852	4.844	4.871	VV	3430	40509	4.16%	0.110%
33	4.911	4.871	4.921	VV	5211	93767	9.62%	0.255%
34	4.930	4.921	4.941	VV	4662	51135	5.25%	0.139%
35	4.953	4.941	4.980	VV	5507	78266	8.03%	0.213%
36	5.000	4.980	5.039	VV	6636	107800	11.06%	0.293%

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37	5.070	5.039	5.087	VV	2285	46945	4.82%	0.128%
38	5.106	5.087	5.121	VV	3801	50718	5.21%	0.138%
39	5.133	5.121	5.158	VV	2992	46918	4.82%	0.128%
40	5.172	5.158	5.186	VV	2795	36072	3.70%	0.098%
41	5.196	5.186	5.219	VV	2066	29002	2.98%	0.079%
42	5.268	5.219	5.305	VV	5093	139954	14.36%	0.381%
43	5.323	5.305	5.344	VV	2680	43982	4.51%	0.120%
44	5.376	5.344	5.388	VV	2849	50296	5.16%	0.137%
45	5.408	5.388	5.422	VV	5573	78181	8.02%	0.213%
46	5.432	5.422	5.458	VV	4405	80043	8.22%	0.218%
47	5.469	5.458	5.482	VV	4259	53653	5.51%	0.146%
48	5.501	5.482	5.517	VV	4959	83178	8.54%	0.226%
49	5.532	5.517	5.555	VV	4510	80482	8.26%	0.219%
50	5.567	5.555	5.581	VV	3088	40420	4.15%	0.110%
51	5.594	5.581	5.613	VV	3185	41719	4.28%	0.114%
52	5.640	5.613	5.659	VV	9745	129602	13.30%	0.353%
53	5.672	5.659	5.688	VV	3561	48738	5.00%	0.133%
54	5.703	5.688	5.734	VV	3237	68672	7.05%	0.187%
55	5.755	5.734	5.769	VV	3568	58562	6.01%	0.159%
56	5.779	5.769	5.787	VV	3038	29992	3.08%	0.082%
57	5.808	5.787	5.842	VV	11919	188071	19.30%	0.512%
58	5.860	5.842	5.880	VV	3678	68949	7.08%	0.188%
59	5.893	5.880	5.910	VV	3584	48614	4.99%	0.132%
60	5.938	5.910	5.975	VV	10742	202607	20.79%	0.551%
61	5.998	5.975	6.024	VV	5290	101175	10.38%	0.275%
62	6.058	6.024	6.083	VV	5206	129025	13.24%	0.351%
63	6.108	6.083	6.124	VV	6447	85405	8.77%	0.232%
64	6.158	6.124	6.178	VV	8109	149495	15.34%	0.407%
65	6.190	6.178	6.204	VV	4481	61233	6.28%	0.167%
66	6.214	6.204	6.231	VV	3538	50727	5.21%	0.138%
67	6.250	6.231	6.271	VV	4265	82357	8.45%	0.224%
68	6.296	6.271	6.327	VV	4977	136513	14.01%	0.372%
69	6.345	6.327	6.369	VV	6058	119903	12.31%	0.326%
70	6.390	6.369	6.420	VV	5888	135963	13.95%	0.370%
71	6.452	6.420	6.470	VV	7098	153884	15.79%	0.419%
72	6.485	6.470	6.512	VV	7092	150272	15.42%	0.409%
73	6.530	6.512	6.556	VV	8960	174339	17.89%	0.475%
74	6.580	6.556	6.596	VV	6857	148220	15.21%	0.403%
75	6.607	6.596	6.657	VV	6074	176018	18.07%	0.479%
76	6.691	6.657	6.708	VV	6303	152563	15.66%	0.415%
77	6.720	6.708	6.731	VV	4786	59843	6.14%	0.163%
78	6.755	6.731	6.771	VV	5901	117382	12.05%	0.319%
79	6.785	6.771	6.796	VV	6521	78501	8.06%	0.214%
80	6.821	6.796	6.831	VV	8789	162067	16.63%	0.441%
81	6.845	6.831	6.872	VV	11239	178440	18.31%	0.486%
82	6.945	6.872	6.961	VV	7078	293392	30.11%	0.799%
83	6.987	6.961	7.035	VV	14379	357517	36.69%	0.973%
84	7.054	7.035	7.098	VV	8925	233049	23.92%	0.634%
85	7.126	7.098	7.144	VV	8931	198199	20.34%	0.539%
86	7.159	7.144	7.171	VV	8482	118685	12.18%	0.323%
87	7.190	7.171	7.209	VV	9229	177382	18.21%	0.483%
88	7.229	7.209	7.259	VV	8841	206252	21.17%	0.561%
89	7.289	7.259	7.302	VV	8219	178749	18.35%	0.487%

90	7.314	7.302	7.351	VV	7649	179184	18.39%	0.488%
91	7.380	7.351	7.415	VV	37144	575025	59.02%	1.565%
92	7.434	7.415	7.454	VV	9661	185511	19.04%	0.505%
93	7.479	7.454	7.498	VV	15025	261315	26.82%	0.711%
94	7.511	7.498	7.536	VV	8461	183569	18.84%	0.500%
95	7.564	7.536	7.599	VV	10674	319958	32.84%	0.871%
96	7.610	7.599	7.628	VV	7286	119177	12.23%	0.324%
97	7.653	7.628	7.679	VV	8129	213562	21.92%	0.581%
98	7.714	7.679	7.725	VV	8304	201263	20.66%	0.548%
99	7.739	7.725	7.752	VV	8586	132535	13.60%	0.361%
100	7.778	7.752	7.809	VV	11345	315457	32.38%	0.859%
101	7.823	7.809	7.843	VV	7350	130816	13.43%	0.356%
102	7.891	7.843	7.908	VV	12796	342639	35.17%	0.933%
103	7.945	7.908	7.963	VV	15326	349045	35.82%	0.950%
104	7.980	7.963	8.012	VV	9235	240172	24.65%	0.654%
105	8.036	8.012	8.058	VV	13778	268142	27.52%	0.730%
106	8.084	8.058	8.103	VV	9365	221876	22.77%	0.604%
107	8.137	8.103	8.146	VV	8159	197873	20.31%	0.539%
108	8.182	8.146	8.197	VV	11112	296946	30.48%	0.808%
109	8.215	8.197	8.257	VV	16894	383388	39.35%	1.044%
110	8.305	8.257	8.332	VV	42587	739207	75.87%	2.012%
111	8.354	8.332	8.377	VV	14818	310641	31.88%	0.846%
112	8.395	8.377	8.416	VV	13362	251976	25.86%	0.686%
113	8.447	8.416	8.474	VV	10698	350740	36.00%	0.955%
114	8.484	8.474	8.520	VV	10613	268129	27.52%	0.730%
115	8.533	8.520	8.551	VV	9326	161614	16.59%	0.440%
116	8.575	8.551	8.592	VV	9379	217983	22.37%	0.593%
117	8.641	8.592	8.711	VV	37117	974331	100.00%	2.652%
118	8.733	8.711	8.755	VV	12181	269088	27.62%	0.732%
119	8.774	8.755	8.801	VV	10553	266589	27.36%	0.726%
120	8.843	8.801	8.855	VV	15311	352840	36.21%	0.960%
121	8.871	8.855	8.898	VV	15231	305819	31.39%	0.832%
122	8.908	8.898	8.917	VV	8426	91606	9.40%	0.249%
123	8.939	8.917	8.963	VV	27054	426651	43.79%	1.161%
124	9.025	8.963	9.052	VV	40373	947998	97.30%	2.580%
125	9.064	9.052	9.083	VV	9649	165048	16.94%	0.449%
126	9.103	9.083	9.126	VV	12972	254738	26.14%	0.693%
127	9.171	9.126	9.189	VV	13365	376489	38.64%	1.025%
128	9.203	9.189	9.215	VV	9486	140391	14.41%	0.382%
129	9.248	9.215	9.305	VV	12442	563605	57.85%	1.534%
130	9.324	9.305	9.361	VV	9952	312349	32.06%	0.850%
131	9.395	9.361	9.420	VV	12203	324879	33.34%	0.884%
132	9.438	9.420	9.479	VV	8832	271541	27.87%	0.739%
133	9.517	9.479	9.531	VV	9081	236843	24.31%	0.645%
134	9.547	9.531	9.563	VV	9141	158807	16.30%	0.432%
135	9.613	9.563	9.648	VV	11197	437227	44.87%	1.190%
136	9.690	9.648	9.731	VV	15896	535143	54.92%	1.457%
137	9.765	9.731	9.793	VV	13726	366726	37.64%	0.998%
138	9.805	9.793	9.817	VV	7918	108395	11.13%	0.295%
139	9.847	9.817	9.892	VV	13102	391187	40.15%	1.065%
140	9.926	9.892	9.958	VV	6699	246649	25.31%	0.671%
141	9.969	9.958	9.982	VV	6225	86688	8.90%	0.236%

142	10.005	9.982	10.021	VV	7483	158418	16.26%	0.431%
143	10.047	10.021	10.077	VV	12123	316744	32.51%	0.862%
144	10.092	10.077	10.111	VV	8990	160058	16.43%	0.436%
145	10.148	10.111	10.163	VV	8767	236717	24.30%	0.644%
146	10.172	10.163	10.181	VV	8241	90094	9.25%	0.245%
147	10.193	10.181	10.237	VV	8637	240351	24.67%	0.654%
148	10.268	10.237	10.282	VV	6626	171893	17.64%	0.468%
149	10.322	10.282	10.348	VV	7602	270413	27.75%	0.736%
150	10.367	10.348	10.419	VV	7818	276721	28.40%	0.753%
151	10.478	10.419	10.508	VV	33750	716002	73.49%	1.949%
152	10.539	10.508	10.598	VV	7668	382017	39.21%	1.040%
153	10.626	10.598	10.650	VV	9223	218402	22.42%	0.594%
154	10.668	10.650	10.694	VV	6142	152251	15.63%	0.414%
155	10.760	10.694	10.788	VV	8991	377600	38.75%	1.028%
156	10.828	10.788	10.864	VV	8511	349682	35.89%	0.952%
157	10.901	10.864	10.931	VV	44053	793659	81.46%	2.160%
158	10.944	10.931	10.981	VV	8359	212208	21.78%	0.578%
159	11.020	10.981	11.034	VV	6916	202879	20.82%	0.552%
160	11.060	11.034	11.078	VV	6634	167544	17.20%	0.456%
161	11.100	11.078	11.131	VV	6978	201769	20.71%	0.549%
162	11.168	11.131	11.189	VV	7515	233320	23.95%	0.635%
163	11.222	11.189	11.263	VV	10997	327873	33.65%	0.892%
164	11.280	11.263	11.290	VV	5720	88691	9.10%	0.241%
165	11.310	11.290	11.328	VV	6500	134853	13.84%	0.367%
166	11.358	11.328	11.378	VV	6237	177776	18.25%	0.484%
167	11.387	11.378	11.414	VV	6283	129896	13.33%	0.354%
168	11.480	11.414	11.500	VV	6528	311869	32.01%	0.849%
169	11.527	11.500	11.548	VV	7068	181410	18.62%	0.494%
170	11.555	11.548	11.574	VV	6084	90308	9.27%	0.246%
171	11.622	11.574	11.661	VV	29102	609244	62.53%	1.658%
172	11.686	11.661	11.712	VV	5856	165048	16.94%	0.449%
173	11.731	11.712	11.748	VV	5465	109196	11.21%	0.297%
174	11.799	11.748	11.823	VV	6948	256393	26.31%	0.698%
175	11.832	11.823	11.865	VV	5974	135061	13.86%	0.368%
176	11.900	11.865	11.954	VV	5594	257131	26.39%	0.700%
177	11.972	11.954	12.004	VV	4915	138556	14.22%	0.377%
178	12.034	12.004	12.066	VV	5216	180254	18.50%	0.491%
179	12.086	12.066	12.118	VV	5570	155975	16.01%	0.425%
180	12.142	12.118	12.154	VV	5310	108150	11.10%	0.294%
181	12.179	12.154	12.251	VV	10109	348522	35.77%	0.949%
182	12.272	12.251	12.288	VV	4494	92164	9.46%	0.251%
183	12.312	12.288	12.374	VV	5265	233814	24.00%	0.636%
184	12.398	12.374	12.443	VV	4553	165250	16.96%	0.450%
185	12.483	12.443	12.531	VV	4085	200249	20.55%	0.545%
186	12.557	12.531	12.573	VV	3720	87083	8.94%	0.237%
187	12.586	12.573	12.611	VV	3459	77553	7.96%	0.211%
188	12.629	12.611	12.649	VV	3533	76108	7.81%	0.207%
189	12.703	12.649	12.738	VV	3809	180430	18.52%	0.491%
190	12.762	12.738	12.817	VV	4590	173674	17.82%	0.473%
191	12.841	12.817	12.918	VV	4683	192653	19.77%	0.524%
192	12.950	12.918	12.964	VV	3101	79650	8.17%	0.217%
193	12.985	12.964	13.018	VV	3464	89620	9.20%	0.244%
194	13.029	13.018	13.061	VV	2376	57208	5.87%	0.156%

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195	13.068	13.061	13.083	VV	2188	27355	2.81%	0.074%
196	13.117	13.083	13.144	VV	2338	79781	8.19%	0.217%
197	13.164	13.144	13.186	VV	2338	51493	5.28%	0.140%
198	13.194	13.186	13.238	VV	1971	58240	5.98%	0.159%
199	13.288	13.238	13.315	VV	9058	180118	18.49%	0.490%
200	13.333	13.315	13.378	VV	3952	107429	11.03%	0.292%
201	13.391	13.378	13.435	VV	2249	63465	6.51%	0.173%
202	13.453	13.435	13.494	VV	1973	57391	5.89%	0.156%
203	13.512	13.494	13.530	VV	1592	31687	3.25%	0.086%
204	13.545	13.530	13.596	VV	1586	57247	5.88%	0.156%
205	13.614	13.596	13.642	VV	1330	31844	3.27%	0.087%
206	13.675	13.642	13.714	VV	1738	55257	5.67%	0.150%
207	13.727	13.714	13.751	VV	1208	23879	2.45%	0.065%
208	13.760	13.751	13.808	VV	1081	30830	3.16%	0.084%
209	13.818	13.808	13.847	VV	844	19102	1.96%	0.052%
210	13.886	13.847	13.914	VV	1002	35104	3.60%	0.096%
211	13.949	13.914	13.970	VV	1052	29590	3.04%	0.081%
212	13.980	13.970	14.011	VV	778	16461	1.69%	0.045%
213	14.037	14.011	14.064	VV	1129	24303	2.49%	0.066%
214	14.075	14.064	14.101	VV	537	10956	1.12%	0.030%
215	14.104	14.101	14.143	VV	528	11217	1.15%	0.031%
216	14.178	14.143	14.224	VV	526	18759	1.93%	0.051%
217	14.269	14.224	14.318	VV	770	23115	2.37%	0.063%
218	14.328	14.318	14.368	VV	357	8763	0.90%	0.024%
219	14.420	14.368	14.471	VV	365	16957	1.74%	0.046%
220	14.478	14.471	14.489	VV	300	2736	0.28%	0.007%
221	14.549	14.489	14.573	VV	402	14265	1.46%	0.039%
222	14.599	14.573	14.637	VV	693	12499	1.28%	0.034%
223	14.665	14.637	14.690	VV	258	5145	0.53%	0.014%
224	14.727	14.690	14.792	VV	289	10174	1.04%	0.028%
225	14.842	14.792	14.937	VV	135	7885	0.81%	0.021%
226	14.982	14.937	15.028	PV	241	5293	0.54%	0.014%
227	15.096	15.028	15.108	VV	395	7183	0.74%	0.020%
228	15.137	15.108	15.174	VV	964	18172	1.87%	0.049%
229	15.188	15.174	15.238	VV	151	3075	0.32%	0.008%
230	15.292	15.238	15.329	VV	191	6389	0.66%	0.017%
231	15.333	15.329	15.374	VV	178	2637	0.27%	0.007%
232	15.397	15.374	15.421	VV	146	2449	0.25%	0.007%
233	15.548	15.421	15.594	PV	202	9827	1.01%	0.027%
234	15.614	15.594	15.634	VV	232	3535	0.36%	0.010%
235	15.657	15.634	15.704	VV	819	15977	1.64%	0.043%
236	15.714	15.704	15.748	VV	226	3469	0.36%	0.009%
237	15.780	15.748	15.821	VV	139	2985	0.31%	0.008%
238	15.848	15.821	15.861	PV	65	913	0.09%	0.002%
239	15.893	15.861	15.901	VV	85	1541	0.16%	0.004%
240	15.916	15.901	15.944	PV	87	1071	0.11%	0.003%
241	15.975	15.944	16.014	VV	138	3279	0.34%	0.009%
242	16.121	16.014	16.133	VV	337	7819	0.80%	0.021%
243	16.159	16.133	16.235	VV	1099	20516	2.11%	0.056%
244	16.297	16.235	16.327	VV	137	4934	0.51%	0.013%
245	16.350	16.327	16.372	VV	145	2862	0.29%	0.008%
246	16.383	16.372	16.425	VV	125	1628	0.17%	0.004%

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247	16.508	16.425	16.531	PV	184	5224	0.54%	0.014%
248	16.641	16.531	16.684	PV	1097	25065	2.57%	0.068%
249	16.729	16.684	16.738	VV	246	5053	0.52%	0.014%
250	16.982	16.738	17.000	VV	616	50798	5.21%	0.138%
251	17.015	17.000	17.021	VV	546	6328	0.65%	0.017%
252	17.107	17.021	17.173	VV	2271	86212	8.85%	0.235%
253	17.205	17.173	17.223	VV	882	24285	2.49%	0.066%

Sum of corrected areas: 36739940

Aliphatic EPH 100824.M Fri Nov 01 09:10:33 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/28/24
Project:	North Point			Date Received:	10/28/24
Client Sample ID:	EX-1-TPH-9			SDG No.:	P4599
Lab Sample ID:	P4599-09			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.4
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/30/24 08:20	10/31/24 21:06	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	159		10	4.29	11.3	mg/kg	FE050955.D
Aliphatic C12-C16	Aliphatic C12-C16	503		50	13.5	37.6	mg/kg	FE050956.D
Aliphatic C16-C21	Aliphatic C16-C21	288		50	16.9	56.4	mg/kg	FE050956.D
Aliphatic C21-C28	Aliphatic C21-C28	15.5		1	0.90	1.50	mg/kg	FE050930.D
Aliphatic C28-C40	Aliphatic C28-C40	5.90		1	2.03	2.26	mg/kg	FE050930.D
Aromatic C10-C12	Aromatic C10-C12	64.2		5	1.69	3.76	mg/kg	FG014612.D
Aromatic C12-C16	Aromatic C12-C16	316		20	7.67	22.6	mg/kg	FG014613.D
Aromatic C16-C21	Aromatic C16-C21	493		20	21.7	37.6	mg/kg	FG014613.D
Aromatic C21-C36	Aromatic C21-C36	20.8		1	2.26	3.01	mg/kg	FG014585.D
Total AliphaticEPH	Total AliphaticEPH	971			37.6	109	mg/kg	
Total AromaticEPH	Total AromaticEPH	894			33.3	67.0	mg/kg	
Total EPH	Total EPH	1870			70.9	176	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:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-9		SDG No.:	P4599	
Lab Sample ID:	P4599-09		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.4	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050930.D	1	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	136	E	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	409	E	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	238	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	5.90		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.3		40 - 140	87%	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:	P4599-09	Acq On:	31 Oct 2024 08:00
Client Sample ID:	EX-1-TPH-9	Operator:	YP\AJ
Data file:	FE050930.D	Misc:	
Instrument:	FID_E	ALS Vial:	39
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	259054528	1810	300	ug/ml
Aliphatic C12-C16	6.763	10.194	789173519	5440	200	ug/ml
Aliphatic C16-C21	10.195	13.554	457774475	3170	300	ug/ml
Aliphatic C21-C28	13.555	17.208	29304002	206.141	400	ug/ml
Aliphatic C28-C40	17.209	22.057	10856115	78.495	600	ug/ml
Aliphatic EPH	3.144	22.057	1546162639	10800		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	5124318	43.32		ug/ml
Aliphatic C9-C28	3.144	17.208	1535306524	10600	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050930.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 08:00
Operator : YP\AJ
Sample : P4599-09
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9

Integration File: autoint1.e
Quant Time: Oct 31 09:16:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.293	5124318	43.319 ug/ml
Spiked Amount 50.000		Recovery = 86.64%	
Target Compounds			

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

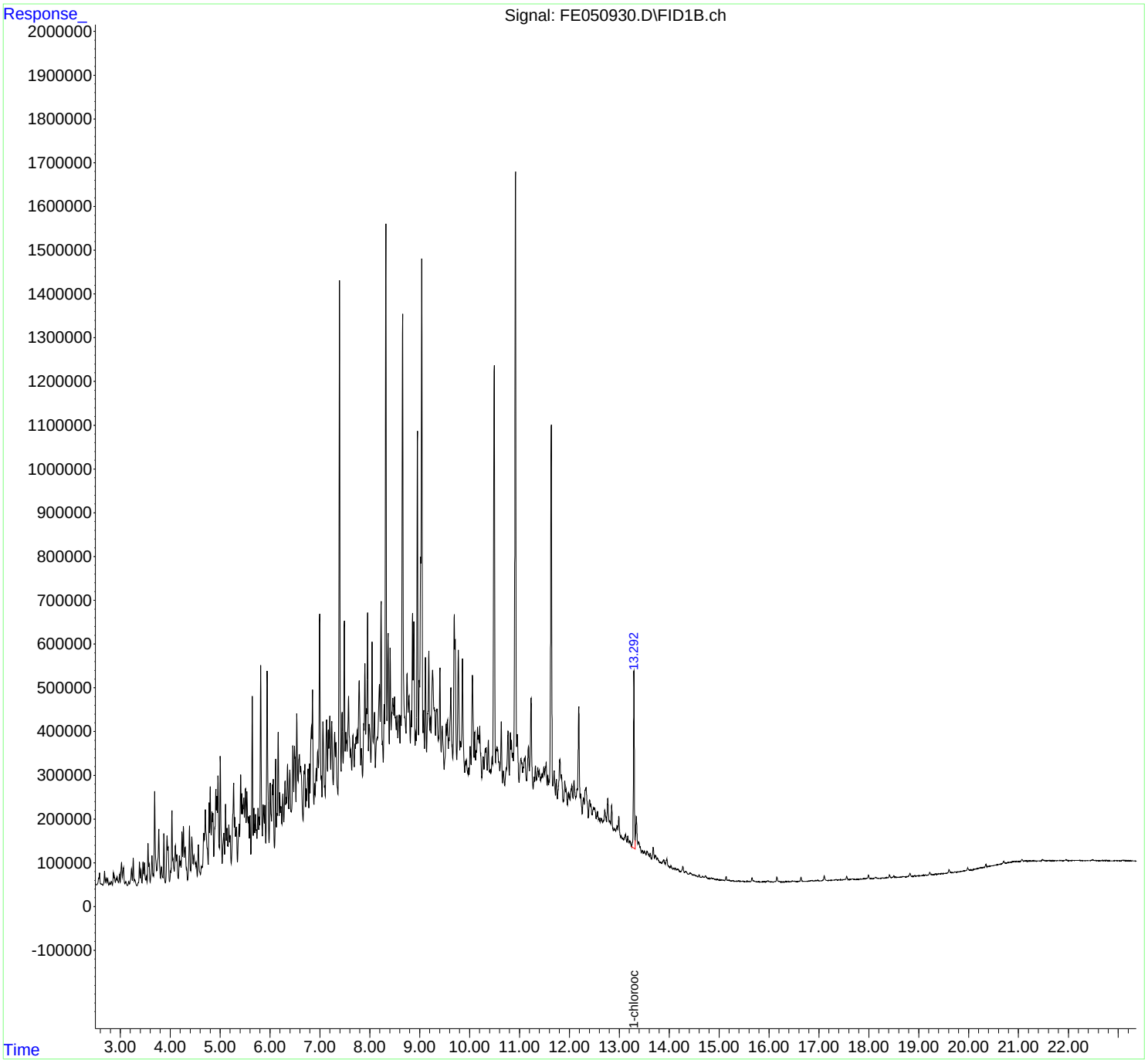
Quantitation Report (QT Reviewed)

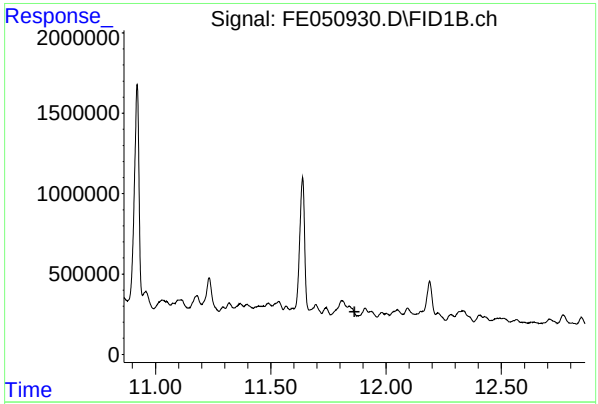
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050930.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 08:00
Operator : YP\AJ
Sample : P4599-09
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9

Integration File: autoint1.e
Quant Time: Oct 31 09:16:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

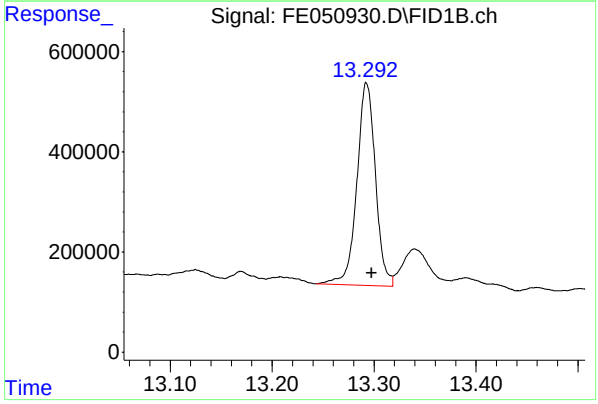




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.005 min
Response: 5124318
Conc: 43.32 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050930.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 08:00
Sample : P4599-09
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	2.583	2.525	2.619	PV	26827	448522	1.16%	0.029%
2	2.629	2.619	2.648	PV	1697	13417	0.03%	0.001%
3	2.684	2.648	2.701	PV	32703	375764	0.97%	0.024%
4	2.718	2.701	2.733	VV	16998	226915	0.59%	0.015%
5	2.746	2.733	2.771	VV	15690	191920	0.50%	0.012%
6	2.787	2.771	2.801	VV	5785	63811	0.17%	0.004%
7	2.822	2.801	2.841	VV	8921	125156	0.32%	0.008%
8	2.863	2.841	2.900	VV	29537	549181	1.42%	0.035%
9	2.916	2.900	2.924	VV	16048	178356	0.46%	0.011%
10	2.936	2.924	2.962	VV	19967	301866	0.78%	0.019%
11	2.984	2.962	2.998	VV	25886	329466	0.85%	0.021%
12	3.024	2.998	3.041	VV	53254	821787	2.13%	0.053%
13	3.063	3.041	3.094	VV	41202	734783	1.90%	0.047%
14	3.110	3.094	3.141	VV	9509	143943	0.37%	0.009%
15	3.168	3.141	3.185	PV	9873	119746	0.31%	0.008%
16	3.224	3.185	3.241	VV	38771	646634	1.67%	0.041%
17	3.259	3.241	3.278	VV	63289	737652	1.91%	0.047%
18	3.288	3.278	3.333	VV	14450	248405	0.64%	0.016%
19	3.384	3.333	3.400	PV	54559	717644	1.86%	0.046%
20	3.414	3.400	3.434	VV	37962	453700	1.17%	0.029%
21	3.455	3.434	3.469	VV	54303	684978	1.77%	0.044%
22	3.485	3.469	3.511	VV	52827	774953	2.01%	0.050%
23	3.523	3.511	3.536	VV	22047	236275	0.61%	0.015%
24	3.555	3.536	3.598	VV	97160	1674033	4.33%	0.107%
25	3.635	3.598	3.666	VV	68754	1386959	3.59%	0.089%
26	3.689	3.666	3.730	VV	215906	3370783	8.72%	0.216%
27	3.771	3.730	3.804	VV	129433	2733974	7.08%	0.175%
28	3.824	3.804	3.853	VV	43215	854854	2.21%	0.055%
29	3.873	3.853	3.902	VV	118109	1361429	3.52%	0.087%
30	3.937	3.902	3.986	VV	113210	2812769	7.28%	0.180%
31	4.035	3.986	4.081	VV	171326	3310611	8.57%	0.212%
32	4.103	4.081	4.122	VV	91927	1606617	4.16%	0.103%
33	4.133	4.122	4.161	VV	71664	1072793	2.78%	0.069%
34	4.184	4.161	4.217	VV	67604	1553018	4.02%	0.100%
35	4.236	4.217	4.249	VV	122614	1546909	4.00%	0.099%
36	4.265	4.249	4.281	VV	135913	1901926	4.92%	0.122%

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37	4.300	4.281	4.348	VV	87496	2163241	5.60%	0.139%
38	4.386	4.348	4.411	VV	135629	2273893	5.88%	0.146%
39	4.434	4.411	4.460	VV	110594	2146484	5.56%	0.138%
40	4.476	4.460	4.542	VV	69111	2510089	6.50%	0.161%
41	4.564	4.542	4.606	VV	92987	1860839	4.82%	0.119%
42	4.625	4.606	4.635	VV	44070	637445	1.65%	0.041%
43	4.673	4.635	4.686	VV	119376	2385720	6.17%	0.153%
44	4.704	4.686	4.760	VV	173551	4877661	12.62%	0.313%
45	4.779	4.760	4.789	VV	188652	2176162	5.63%	0.140%
46	4.802	4.789	4.821	VV	225266	3135654	8.12%	0.201%
47	4.838	4.821	4.848	VV	167493	2343198	6.06%	0.150%
48	4.855	4.848	4.874	VV	163707	1992291	5.16%	0.128%
49	4.915	4.874	4.925	VV	219384	4357975	11.28%	0.279%
50	4.935	4.925	4.945	VV	203567	2264326	5.86%	0.145%
51	4.958	4.945	4.983	VV	250511	3788650	9.81%	0.243%
52	5.004	4.983	5.042	VV	293924	5208363	13.48%	0.334%
53	5.073	5.042	5.091	VV	119763	2667767	6.90%	0.171%
54	5.109	5.091	5.126	VV	184506	2737924	7.09%	0.176%
55	5.137	5.126	5.161	VV	131054	2235047	5.78%	0.143%
56	5.176	5.161	5.190	VV	137530	1958388	5.07%	0.126%
57	5.200	5.190	5.223	VV	114962	1728682	4.47%	0.111%
58	5.271	5.223	5.309	VV	233526	7237729	18.73%	0.464%
59	5.326	5.309	5.348	VV	134497	2502057	6.48%	0.160%
60	5.380	5.348	5.391	VV	139880	2731271	7.07%	0.175%
61	5.413	5.391	5.426	VV	252960	3892660	10.07%	0.250%
62	5.436	5.426	5.449	VV	208525	2486534	6.44%	0.159%
63	5.474	5.449	5.488	VV	200204	4194983	10.86%	0.269%
64	5.507	5.488	5.522	VV	221331	3885225	10.06%	0.249%
65	5.537	5.522	5.561	VV	213092	4112987	10.64%	0.264%
66	5.571	5.561	5.586	VV	156906	2027841	5.25%	0.130%
67	5.599	5.586	5.618	VV	159200	2316905	6.00%	0.149%
68	5.645	5.618	5.665	VV	430494	6266067	16.22%	0.402%
69	5.678	5.665	5.694	VV	175972	2571793	6.66%	0.165%
70	5.709	5.694	5.739	VV	161778	3506168	9.07%	0.225%
71	5.761	5.739	5.775	VV	176161	3109161	8.05%	0.199%
72	5.785	5.775	5.795	VV	155919	1710249	4.43%	0.110%
73	5.814	5.795	5.847	VV	500933	8369032	21.66%	0.537%
74	5.865	5.847	5.885	VV	183306	3502194	9.06%	0.225%
75	5.898	5.885	5.915	VV	183181	2664370	6.90%	0.171%
76	5.944	5.915	5.982	VV	489136	9735757	25.20%	0.624%
77	6.004	5.982	6.030	VV	232968	4917656	12.73%	0.315%
78	6.065	6.030	6.090	VV	240900	6492560	16.80%	0.416%
79	6.114	6.090	6.131	VV	287007	4278701	11.07%	0.274%
80	6.164	6.131	6.184	VV	348292	7002370	18.12%	0.449%
81	6.197	6.184	6.237	VV	210562	5596479	14.48%	0.359%
82	6.258	6.237	6.277	VV	208567	4125281	10.68%	0.265%
83	6.302	6.277	6.333	VV	237762	6555385	16.97%	0.420%
84	6.351	6.333	6.375	VV	276434	5574346	14.43%	0.357%
85	6.398	6.375	6.426	VV	262587	6455205	16.71%	0.414%
86	6.459	6.426	6.476	VV	317925	7036731	18.21%	0.451%
87	6.493	6.476	6.520	VV	317352	7013197	18.15%	0.450%
88	6.538	6.520	6.563	VV	391076	7424666	19.22%	0.476%
89	6.588	6.563	6.607	VV	298034	7267242	18.81%	0.466%

90	6.617	6.607	6.663	VV	271945	7381669	19.10%	0.473%
91	6.699	6.663	6.715	VV	275372	7112910	18.41%	0.456%
92	6.727	6.715	6.738	VV	218551	2740686	7.09%	0.176%
93	6.763	6.738	6.778	VV	263868	5527048	14.30%	0.354%
94	6.792	6.778	6.803	VV	277135	3475291	8.99%	0.223%
95	6.831	6.803	6.840	VV	362206	6966173	18.03%	0.447%
96	6.852	6.840	6.881	VV	443700	7603620	19.68%	0.488%
97	6.895	6.881	6.905	VV	231102	3098335	8.02%	0.199%
98	6.927	6.905	6.938	VV	266918	4773948	12.36%	0.306%
99	6.954	6.938	6.970	VV	304848	5350877	13.85%	0.343%
100	6.994	6.970	7.043	VV	618262	15165706	39.25%	0.972%
101	7.062	7.043	7.107	VV	372723	10442769	27.03%	0.670%
102	7.134	7.107	7.153	VV	377197	8414327	21.78%	0.540%
103	7.169	7.153	7.180	VV	352846	5074571	13.13%	0.325%
104	7.199	7.180	7.218	VV	384518	7592760	19.65%	0.487%
105	7.238	7.218	7.267	VV	372337	8915941	23.08%	0.572%
106	7.297	7.267	7.311	VV	348352	7812297	20.22%	0.501%
107	7.323	7.311	7.361	VV	325107	7906301	20.46%	0.507%
108	7.394	7.361	7.425	VV	1386037	22490894	58.21%	1.442%
109	7.446	7.425	7.466	VV	393268	8096592	20.95%	0.519%
110	7.490	7.466	7.508	VV	602055	10571013	27.36%	0.678%
111	7.520	7.508	7.545	VV	348368	7234819	18.72%	0.464%
112	7.575	7.545	7.609	VV	430650	13416423	34.72%	0.860%
113	7.620	7.609	7.639	VV	307561	5240993	13.56%	0.336%
114	7.663	7.639	7.689	VV	341527	9220771	23.86%	0.591%
115	7.723	7.689	7.734	VV	336446	8525728	22.07%	0.547%
116	7.748	7.734	7.762	VV	352390	5667625	14.67%	0.363%
117	7.788	7.762	7.819	VV	464987	12866042	33.30%	0.825%
118	7.833	7.819	7.855	VV	311077	6187109	16.01%	0.397%
119	7.903	7.855	7.919	VV	504491	14100006	36.49%	0.904%
120	7.957	7.919	7.975	VV	621630	14363615	37.17%	0.921%
121	7.989	7.975	8.022	VV	365350	9577662	24.79%	0.614%
122	8.047	8.022	8.069	VV	551655	11174783	28.92%	0.717%
123	8.095	8.069	8.113	VV	393591	9046620	23.41%	0.580%
124	8.194	8.113	8.208	VV	457116	20690575	53.55%	1.327%
125	8.227	8.208	8.270	VV	644797	15698808	40.63%	1.007%
126	8.289	8.270	8.298	VV	411216	5902325	15.28%	0.378%
127	8.323	8.298	8.345	VV	1524364	22904188	59.28%	1.469%
128	8.367	8.345	8.390	VV	574605	12256376	31.72%	0.786%
129	8.409	8.390	8.429	VV	539248	9908408	25.64%	0.635%
130	8.462	8.429	8.484	VV	424888	13049801	33.77%	0.837%
131	8.498	8.484	8.531	VV	428087	11064452	28.64%	0.709%
132	8.546	8.531	8.564	VV	385705	7144975	18.49%	0.458%
133	8.589	8.564	8.605	VV	385981	9003941	23.30%	0.577%
134	8.658	8.605	8.725	VV	1302484	38638943	100.00%	2.478%
135	8.747	8.725	8.769	VV	480794	11171969	28.91%	0.716%
136	8.786	8.769	8.813	VV	430508	10285779	26.62%	0.660%
137	8.829	8.813	8.839	VV	397257	5600966	14.50%	0.359%
138	8.857	8.839	8.869	VV	618377	9203185	23.82%	0.590%
139	8.884	8.869	8.911	VV	599402	11776205	30.48%	0.755%
140	8.955	8.911	8.978	VV	1035176	20932672	54.18%	1.342%
141	9.043	8.978	9.066	VV	1410734	35976147	93.11%	2.307%

142	9.078	9.066	9.096	VV	395465	6653236	17.22%	0.427%
143	9.116	9.096	9.139	VV	518037	10336551	26.75%	0.663%
144	9.184	9.139	9.202	VV	532578	15292770	39.58%	0.981%
145	9.214	9.202	9.229	VV	377189	5861665	15.17%	0.376%
146	9.260	9.229	9.318	VV	488444	22271922	57.64%	1.428%
147	9.345	9.318	9.373	VV	398922	12177292	31.52%	0.781%
148	9.407	9.373	9.431	VV	495093	13214169	34.20%	0.847%
149	9.452	9.431	9.491	VV	360605	11535916	29.86%	0.740%
150	9.530	9.491	9.543	VV	363761	9851069	25.50%	0.632%
151	9.558	9.543	9.575	VV	374413	6550380	16.95%	0.420%
152	9.625	9.575	9.663	VV	447088	18811913	48.69%	1.206%
153	9.694	9.663	9.706	VV	613366	11526796	29.83%	0.739%
154	9.711	9.706	9.744	VV	559510	9564837	24.75%	0.613%
155	9.776	9.744	9.806	VV	533718	14686917	38.01%	0.942%
156	9.817	9.806	9.830	VV	325388	4613768	11.94%	0.296%
157	9.859	9.830	9.903	VV	514384	15586537	40.34%	0.999%
158	9.918	9.903	9.926	VV	278242	3720493	9.63%	0.239%
159	9.938	9.926	9.971	VV	282721	7183689	18.59%	0.461%
160	9.982	9.971	9.993	VV	264898	3313990	8.58%	0.213%
161	10.012	9.993	10.031	VV	313312	6622978	17.14%	0.425%
162	10.058	10.031	10.089	VV	476672	12888620	33.36%	0.826%
163	10.103	10.089	10.121	VV	346504	6151358	15.92%	0.394%
164	10.160	10.121	10.173	VV	358501	9810346	25.39%	0.629%
165	10.181	10.173	10.192	VV	339999	3835933	9.93%	0.246%
166	10.204	10.192	10.248	VV	359048	10158152	26.29%	0.651%
167	10.273	10.248	10.292	VV	289958	7177400	18.58%	0.460%
168	10.332	10.292	10.355	VV	310548	10982452	28.42%	0.704%
169	10.377	10.355	10.405	VV	326906	8486764	21.96%	0.544%
170	10.411	10.405	10.424	VV	259500	3012248	7.80%	0.193%
171	10.451	10.424	10.460	VV	289838	5880902	15.22%	0.377%
172	10.495	10.460	10.521	VV	1183885	23164278	59.95%	1.485%
173	10.552	10.521	10.607	VV	311738	15023275	38.88%	0.963%
174	10.637	10.607	10.660	VV	370127	9241296	23.92%	0.593%
175	10.677	10.660	10.704	VV	256978	6421015	16.62%	0.412%
176	10.771	10.704	10.797	VV	348982	15513643	40.15%	0.995%
177	10.818	10.797	10.829	VV	345053	5721329	14.81%	0.367%
178	10.839	10.829	10.856	VV	326278	4994027	12.92%	0.320%
179	10.864	10.856	10.878	VV	298602	3923728	10.15%	0.252%
180	10.920	10.878	10.945	VV	1632180	29700302	76.87%	1.904%
181	10.958	10.945	10.992	VV	340417	8344113	21.60%	0.535%
182	11.030	10.992	11.065	VV	285409	11627342	30.09%	0.746%
183	11.111	11.065	11.141	VV	286087	12280518	31.78%	0.787%
184	11.179	11.141	11.200	VV	312559	9715364	25.14%	0.623%
185	11.233	11.200	11.275	VV	424769	13402177	34.69%	0.859%
186	11.320	11.275	11.341	VV	267584	9534818	24.68%	0.611%
187	11.367	11.341	11.383	VV	264849	6416737	16.61%	0.411%
188	11.397	11.383	11.424	VV	259841	6034140	15.62%	0.387%
189	11.489	11.424	11.508	VV	265467	12561127	32.51%	0.805%
190	11.534	11.508	11.554	VV	276436	7207633	18.65%	0.462%
191	11.567	11.554	11.582	VV	246938	3964433	10.26%	0.254%
192	11.638	11.582	11.668	VV	1048316	23433062	60.65%	1.503%
193	11.695	11.668	11.721	VV	257841	7378848	19.10%	0.473%
194	11.740	11.721	11.761	VV	237208	5186034	13.42%	0.333%

195	11.809	11.761	11.833	VV	282232	10410534	26.94%	0.668%
196	11.840	11.833	11.881	VV	246775	6366424	16.48%	0.408%
197	11.909	11.881	11.925	VV	234583	5586472	14.46%	0.358%
198	11.935	11.925	11.961	VV	213777	4287635	11.10%	0.275%
199	11.981	11.961	12.015	VV	207329	6452857	16.70%	0.414%
200	12.049	12.015	12.073	VV	224392	7264611	18.80%	0.466%
201	12.093	12.073	12.125	VV	234472	6600174	17.08%	0.423%
202	12.189	12.125	12.216	VV	402174	13828516	35.79%	0.887%
203	12.225	12.216	12.258	VV	204238	4725215	12.23%	0.303%
204	12.282	12.258	12.297	VV	194029	4223810	10.93%	0.271%
205	12.334	12.297	12.381	VV	216921	9745267	25.22%	0.625%
206	12.406	12.381	12.451	VV	189575	7367435	19.07%	0.472%
207	12.493	12.451	12.537	VV	172172	8508460	22.02%	0.546%
208	12.566	12.537	12.588	VV	162929	4658883	12.06%	0.299%
209	12.597	12.588	12.615	VV	147288	2390167	6.19%	0.153%
210	12.640	12.615	12.667	VV	148070	4442113	11.50%	0.285%
211	12.709	12.667	12.744	VV	166384	6893066	17.84%	0.442%
212	12.768	12.744	12.826	VV	192859	7635181	19.76%	0.490%
213	12.847	12.826	12.881	VV	177506	4869699	12.60%	0.312%
214	12.901	12.881	12.928	VV	124455	3407361	8.82%	0.218%
215	12.955	12.928	12.971	VV	130740	3211259	8.31%	0.206%
216	12.990	12.971	13.029	VV	152098	4401453	11.39%	0.282%
217	13.038	13.029	13.055	VV	107913	1615381	4.18%	0.104%
218	13.066	13.055	13.098	VV	102018	2621760	6.79%	0.168%
219	13.124	13.098	13.155	VV	110669	3503332	9.07%	0.225%
220	13.170	13.155	13.194	VV	107345	2320953	6.01%	0.149%
221	13.208	13.194	13.243	VV	96313	2709081	7.01%	0.174%
222	13.293	13.243	13.318	VV	485544	8744480	22.63%	0.561%
223	13.340	13.318	13.374	VV	151281	3983435	10.31%	0.255%
224	13.390	13.374	13.441	VV	94353	3367745	8.72%	0.216%
225	13.459	13.441	13.482	VV	74528	1738749	4.50%	0.111%
226	13.502	13.482	13.534	VV	72661	2150290	5.57%	0.138%
227	13.555	13.534	13.604	VV	71217	2787457	7.21%	0.179%
228	13.619	13.604	13.646	VV	67225	1541416	3.99%	0.099%
229	13.678	13.646	13.705	VV	80642	2332943	6.04%	0.150%
230	13.723	13.705	13.750	VV	62801	1599584	4.14%	0.103%
231	13.765	13.750	13.851	VV	55777	3014229	7.80%	0.193%
232	13.890	13.851	13.922	VV	52787	2017735	5.22%	0.129%
233	13.951	13.922	14.019	VV	54382	2498646	6.47%	0.160%
234	14.036	14.019	14.072	VV	38880	1103940	2.86%	0.071%
235	14.089	14.072	14.106	VV	32923	646775	1.67%	0.041%
236	14.122	14.106	14.152	VV	32945	867610	2.25%	0.056%
237	14.181	14.152	14.233	VV	30295	1354892	3.51%	0.087%
238	14.272	14.233	14.304	VV	37007	1236189	3.20%	0.079%
239	14.328	14.304	14.381	VV	25581	1053205	2.73%	0.068%
240	14.421	14.381	14.465	VV	22026	1002223	2.59%	0.064%
241	14.478	14.465	14.495	VV	18393	311934	0.81%	0.020%
242	14.509	14.495	14.538	VV	17718	427495	1.11%	0.027%
243	14.544	14.538	14.577	VV	15641	340161	0.88%	0.022%
244	14.598	14.577	14.648	VV	17834	575023	1.49%	0.037%
245	14.671	14.648	14.701	VV	13978	402133	1.04%	0.026%
246	14.724	14.701	14.781	VV	15179	571464	1.48%	0.037%

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247	14.794	14.781	14.818	VV	9544	199292	0.52%	0.013%
248	14.844	14.818	14.864	VV	9897	256123	0.66%	0.016%
249	14.879	14.864	14.941	VV	9444	358856	0.93%	0.023%
250	14.957	14.941	14.971	VV	6498	116162	0.30%	0.007%
251	14.975	14.971	15.022	VV	6595	176490	0.46%	0.011%
252	15.045	15.022	15.080	VV	5757	188352	0.49%	0.012%
253	15.093	15.080	15.111	VV	5329	86567	0.22%	0.006%
254	15.139	15.111	15.169	VV	13676	270403	0.70%	0.017%
255	15.194	15.169	15.241	VV	5074	179916	0.47%	0.012%
256	15.280	15.241	15.318	VV	3765	137341	0.36%	0.009%
257	15.339	15.318	15.363	VV	2793	64931	0.17%	0.004%
258	15.391	15.363	15.446	VV	3143	119404	0.31%	0.008%
259	15.476	15.446	15.534	VV	2459	91205	0.24%	0.006%
260	15.570	15.534	15.625	VV	2098	82376	0.21%	0.005%
261	15.658	15.625	15.733	VV	10466	239317	0.62%	0.015%
262	15.742	15.733	15.771	VV	1246	19586	0.05%	0.001%
263	15.789	15.771	15.811	VV	918	16071	0.04%	0.001%
264	15.837	15.811	15.857	VV	567	13050	0.03%	0.001%
265	15.876	15.857	15.893	VV	1217	17612	0.05%	0.001%
266	15.922	15.893	15.933	VV	819	16961	0.04%	0.001%
267	15.971	15.933	16.031	VV	3006	90992	0.24%	0.006%
268	16.042	16.031	16.078	VV	1010	16011	0.04%	0.001%
269	16.119	16.078	16.131	VV	1480	25626	0.07%	0.002%
270	16.157	16.131	16.188	VV	11561	176358	0.46%	0.011%
271	16.197	16.188	16.275	VV	1742	32678	0.08%	0.002%
272	16.286	16.275	16.297	PV	138	1077	0.00%	0.000%
273	16.348	16.297	16.375	PV	1085	27331	0.07%	0.002%
274	16.394	16.375	16.421	VV	841	17800	0.05%	0.001%
275	16.473	16.421	16.508	VV	2282	63956	0.17%	0.004%
276	16.518	16.508	16.565	VV	1247	23493	0.06%	0.002%
277	16.601	16.565	16.615	PV	912	19078	0.05%	0.001%
278	16.640	16.615	16.705	VV	10390	152294	0.39%	0.010%
279	16.742	16.705	16.766	VV	306	5945	0.02%	0.000%
280	16.865	16.766	16.895	VV	1399	55494	0.14%	0.004%
281	16.915	16.895	16.925	VV	686	10319	0.03%	0.001%
282	16.967	16.925	17.036	VV	1153	43122	0.11%	0.003%
283	17.106	17.036	17.175	PV	11415	207359	0.54%	0.013%
284	17.229	17.175	17.246	VV	529	15383	0.04%	0.001%
285	17.282	17.246	17.294	VV	609	13097	0.03%	0.001%
286	17.342	17.294	17.372	VV	1786	42928	0.11%	0.003%
287	17.428	17.372	17.462	VV	733	26892	0.07%	0.002%
288	17.556	17.462	17.608	VV	8128	165786	0.43%	0.011%
289	17.676	17.608	17.735	VV	1724	59554	0.15%	0.004%
290	17.756	17.735	17.794	PV	512	9771	0.03%	0.001%
291	17.839	17.794	17.861	VV	767	15232	0.04%	0.001%
292	17.992	17.861	18.023	VV	9007	185850	0.48%	0.012%
293	18.037	18.023	18.056	VV	525	7779	0.02%	0.000%
294	18.134	18.056	18.220	VV	3305	90290	0.23%	0.006%
295	18.281	18.220	18.301	PV	814	20569	0.05%	0.001%
296	18.367	18.301	18.385	VV	943	29286	0.08%	0.002%
297	18.415	18.385	18.445	VV	7122	104119	0.27%	0.007%
298	18.501	18.445	18.538	VV	3665	72246	0.19%	0.005%
299	18.544	18.538	18.587	VV	486	7505	0.02%	0.000%

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300	18.608	18.587	18.631	PV	803	9799	0.03%	0.001%
301	18.695	18.631	18.746	VV	1083	45080	0.12%	0.003%
302	18.825	18.746	18.898	VV	7672	151015	0.39%	0.010%
303	18.922	18.898	18.948	VV	1206	16483	0.04%	0.001%
304	18.971	18.948	18.994	PV	1072	17279	0.04%	0.001%
305	19.025	18.994	19.037	VV	496	9753	0.03%	0.001%
306	19.139	19.037	19.159	VV	765	38351	0.10%	0.002%
307	19.221	19.159	19.284	VV	6482	128810	0.33%	0.008%
308	19.323	19.284	19.359	PV	779	20511	0.05%	0.001%
309	19.405	19.359	19.441	VV	1292	42028	0.11%	0.003%
310	19.474	19.441	19.486	VV	911	20117	0.05%	0.001%
311	19.608	19.486	19.679	VV	8230	210641	0.55%	0.014%
312	19.733	19.679	19.749	VV	1465	47299	0.12%	0.003%
313	19.898	19.749	19.917	VV	2411	145869	0.38%	0.009%
314	19.982	19.917	20.011	VV	7851	210633	0.55%	0.014%
315	20.025	20.011	20.063	VV	3191	86436	0.22%	0.006%
316	20.265	20.063	20.276	VV	5284	501828	1.30%	0.032%
317	20.347	20.276	20.375	VV	12176	425966	1.10%	0.027%
318	20.464	20.375	20.478	VV	7299	428030	1.11%	0.027%
319	20.703	20.478	20.747	VV	15063	1508296	3.90%	0.097%
320	20.889	20.747	20.900	VV	11702	1018570	2.64%	0.065%
321	20.982	20.900	20.991	VV	11350	625280	1.62%	0.040%
322	21.013	20.991	21.027	VV	11023	235140	0.61%	0.015%
323	21.069	21.027	21.104	VV	14960	561724	1.45%	0.036%
324	21.169	21.104	21.237	VV	10436	809955	2.10%	0.052%
325	21.285	21.237	21.297	VV	9522	336228	0.87%	0.022%
326	21.313	21.297	21.355	VV	9161	301097	0.78%	0.019%
327	21.394	21.355	21.423	VV	7992	320874	0.83%	0.021%
328	21.432	21.423	21.437	VV	7323	64389	0.17%	0.004%
329	21.485	21.437	21.551	VV	9596	524020	1.36%	0.034%
330	21.598	21.551	21.608	VV	6284	212927	0.55%	0.014%
331	21.618	21.608	21.687	VV	6071	257310	0.67%	0.016%
332	21.764	21.687	21.798	VV	4279	289198	0.75%	0.019%
333	21.841	21.798	21.883	VV	3562	172992	0.45%	0.011%
334	21.953	21.883	22.005	VV	3956	195900	0.51%	0.013%
335	22.102	22.005	22.111	VV	906	66331	0.17%	0.004%
336	22.118	22.111	22.133	VV	704	7930	0.02%	0.001%
337	22.168	22.133	22.178	VV	228	6968	0.02%	0.000%

Sum of corrected areas: 1559493226

Aliphatic EPH 100824.M Thu Oct 31 09:19:19 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-9		SDG No.:	P4599	
Lab Sample ID:	P4599-09		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.4	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014585.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	56.4	E	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	263	E	0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	465	E	1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	20.8		2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	109		40 - 140	218%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	98.7		40 - 140	197%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	60.8		40 - 140	122%	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:	P4599-09	Acq On:	30 Oct 2024 20:56
Client Sample ID:	EX-1-TPH-9	Operator:	YP\AJ
Data file:	FG014585.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.519	6.389	104637052	750.109	200	ug/ml
Aromatic C12-C16	6.390	9.089	510014824	3510	300	ug/ml
Aromatic C16-C21	9.090	13.408	896598357	6190	500	ug/ml
Aromatic C21-C36	13.409	18.851	39252499	276.156	800	ug/ml
Aromatic EPH	4.519	18.851	1550502732	10700		ug/ml
ortho-Terphenyl (SURR)	11.976	11.976	9002585	60.8		ug/ml
2-Bromonaphthalene (SURR)	8.024	8.024	13670056	108.89		ug/ml
2-Flurobiphenyl (SURR)	8.906	8.906	8504312	98.73		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014585.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:56
Operator : YP\AJ
Sample : P4599-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.024	13670056	108.894 ug/ml
Spiked Amount 50.000		Recovery = 217.79%	
6) S 2-Flurobiphenyl (SURR)	8.906	8504312	98.732 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 197.46%#	
11) S ortho-Terphenyl (SURR)	11.976	9002585	60.804 ug/mlm
Spiked Amount 50.000		Recovery = 121.61%	
Target Compounds			

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

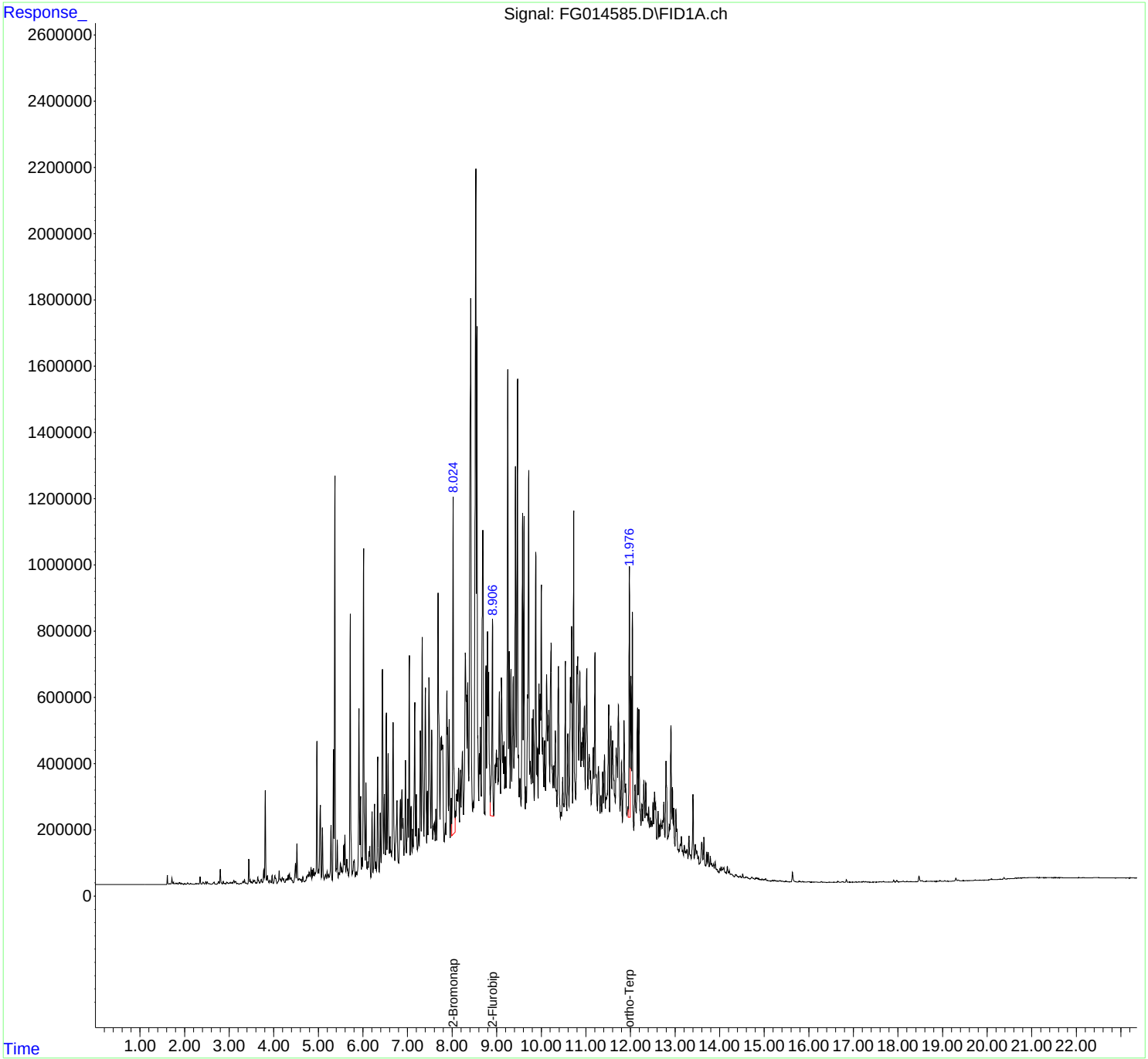
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014585.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:56
Operator : YP\AJ
Sample : P4599-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

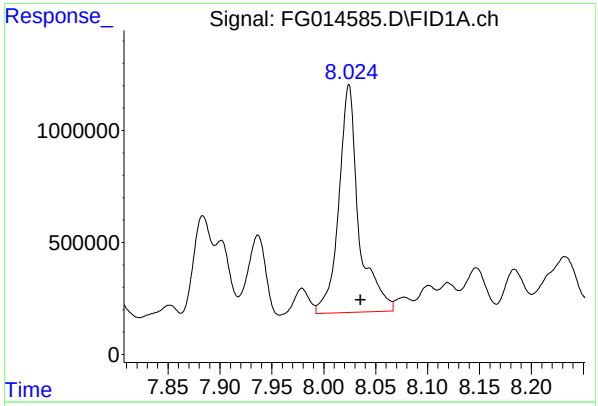
Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:44:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





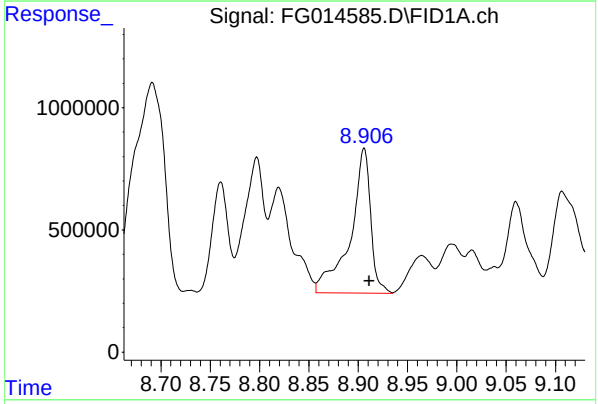
#4 2-Bromonaphthalene (SURR)

R.T.: 8.024 min
Delta R.T.: -0.011 min
Response: 13670056
Conc: 108.89 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

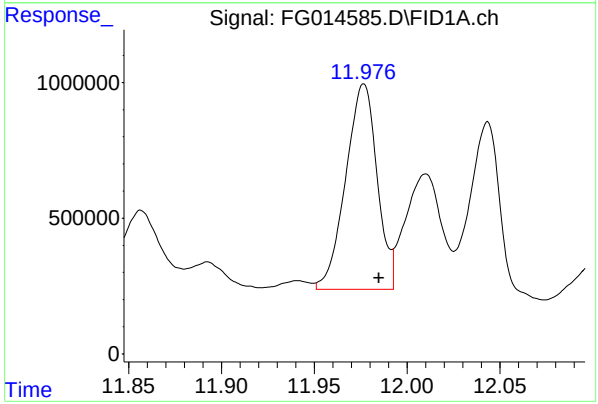
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.906 min
Delta R.T.: -0.005 min
Response: 8504312
Conc: 98.73 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.976 min
Delta R.T.: -0.009 min
Response: 9002585
Conc: 60.80 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014585.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:56
Sample : P4599-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.251	4.285	BV	10948	121269	0.30%	0.008%
2	4.296	4.285	4.308	VV	12098	139871	0.34%	0.009%
3	4.324	4.308	4.337	VV	23083	265155	0.65%	0.017%
4	4.353	4.337	4.369	VV	26955	348835	0.85%	0.022%
5	4.390	4.369	4.409	VV	15954	292407	0.71%	0.018%
6	4.415	4.409	4.437	VV	7707	73142	0.18%	0.005%
7	4.489	4.437	4.504	PV	59283	891993	2.18%	0.056%
8	4.521	4.504	4.549	VV	117487	1344480	3.28%	0.085%
9	4.567	4.549	4.571	VV	11935	139067	0.34%	0.009%
10	4.581	4.571	4.605	VV	13307	216958	0.53%	0.014%
11	4.617	4.605	4.634	VV	10356	125603	0.31%	0.008%
12	4.655	4.634	4.679	VV	19184	276056	0.67%	0.017%
13	4.688	4.679	4.696	VV	4130	40193	0.10%	0.003%
14	4.712	4.696	4.719	VV	6651	73943	0.18%	0.005%
15	4.736	4.719	4.745	VV	18823	211802	0.52%	0.013%
16	4.764	4.745	4.779	VV	24839	432026	1.05%	0.027%
17	4.795	4.779	4.815	VV	33429	545677	1.33%	0.034%
18	4.837	4.815	4.852	VV	46901	634611	1.55%	0.040%
19	4.866	4.852	4.878	VV	39706	426541	1.04%	0.027%
20	4.892	4.878	4.911	VV	44410	635632	1.55%	0.040%
21	4.926	4.911	4.936	VV	31048	406736	0.99%	0.026%
22	4.969	4.936	4.991	VV	427696	4733426	11.55%	0.298%
23	5.002	4.991	5.012	VV	37587	422355	1.03%	0.027%
24	5.045	5.012	5.072	VV	234701	3852735	9.40%	0.242%
25	5.093	5.072	5.133	VV	166186	2107284	5.14%	0.132%
26	5.161	5.133	5.180	VV	25790	524964	1.28%	0.033%
27	5.198	5.180	5.216	VV	35385	520647	1.27%	0.033%
28	5.229	5.216	5.245	VV	24879	354636	0.87%	0.022%
29	5.285	5.245	5.314	VV	173801	2334135	5.70%	0.147%
30	5.340	5.314	5.352	VV	402339	4169396	10.18%	0.262%
31	5.371	5.352	5.395	VV	1228959	12833348	31.33%	0.807%
32	5.426	5.395	5.445	VV	129974	1826696	4.46%	0.115%
33	5.462	5.445	5.477	VV	31211	502552	1.23%	0.032%
34	5.497	5.477	5.514	VV	59569	998938	2.44%	0.063%
35	5.525	5.514	5.539	VV	44769	552837	1.35%	0.035%
36	5.570	5.539	5.583	VV	113893	1656429	4.04%	0.104%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

37	5.597	5.583	5.616	VV	145116	1748478	4.27%	0.110%
38	5.640	5.616	5.656	VV	71527	1247089	3	
39	5.662	5.656	5.678	VV	39567	422333	1	
40	5.716	5.678	5.758	VV	811339	10159136	24	
41	5.793	5.758	5.798	VV	64026	1021064	2	
42	5.807	5.798	5.831	VV	69988	937398	2	
43	5.851	5.831	5.866	VV	33951	578718	1.41%	0.036%
44	5.912	5.866	5.934	VV	526620	7407676	18.08%	0.466%
45	5.948	5.934	5.966	VV	261142	2909813	7.10%	0.183%
46	5.980	5.966	5.992	VV	77251	950361	2.32%	0.060%
47	6.015	5.992	6.053	VV	1008038	13066124	31.90%	0.821%
48	6.069	6.053	6.100	VV	302840	3578638	8.74%	0.225%
49	6.112	6.100	6.122	VV	63975	715965	1.75%	0.045%
50	6.136	6.122	6.144	VV	93773	989476	2.42%	0.062%
51	6.154	6.144	6.180	VV	110489	1379331	3.37%	0.087%
52	6.206	6.180	6.226	VV	215210	2541495	6.20%	0.160%
53	6.260	6.226	6.279	VV	237499	3285581	8.02%	0.207%
54	6.289	6.279	6.305	VV	63732	795440	1.94%	0.050%
55	6.331	6.305	6.366	VV	380594	5267141	12.86%	0.331%
56	6.389	6.366	6.408	VV	211483	2736092	6.68%	0.172%
57	6.438	6.408	6.466	VV	644244	10876272	26.55%	0.684%
58	6.482	6.466	6.505	VV	268016	3996294	9.76%	0.251%
59	6.524	6.505	6.541	VV	513114	5673416	13.85%	0.357%
60	6.566	6.541	6.596	VV	390160	6744826	16.46%	0.424%
61	6.610	6.596	6.623	VV	140473	1867525	4.56%	0.117%
62	6.629	6.623	6.642	VV	96404	999028	2.44%	0.063%
63	6.679	6.642	6.717	VV	484333	9798863	23.92%	0.616%
64	6.765	6.717	6.805	VV	248392	6781335	16.55%	0.426%
65	6.842	6.805	6.856	VV	252002	4990258	12.18%	0.314%
66	6.877	6.856	6.891	VV	281588	4719628	11.52%	0.297%
67	6.900	6.891	6.920	VV	195495	2549782	6.22%	0.160%
68	6.956	6.920	6.975	VV	370441	6244987	15.24%	0.393%
69	7.009	6.975	7.022	VV	253541	4659780	11.37%	0.293%
70	7.041	7.022	7.060	VV	687131	7970285	19.46%	0.501%
71	7.080	7.060	7.103	VV	231076	3944101	9.63%	0.248%
72	7.118	7.103	7.129	VV	163047	1962583	4.79%	0.123%
73	7.163	7.129	7.182	VV	544702	8939114	21.82%	0.562%
74	7.199	7.182	7.220	VV	266268	4118552	10.05%	0.259%
75	7.248	7.220	7.264	VV	163730	3268215	7.98%	0.205%
76	7.289	7.264	7.310	VV	459458	7520408	18.36%	0.473%
77	7.331	7.310	7.368	VV	742682	12965364	31.65%	0.815%
78	7.401	7.368	7.430	VV	587916	12395299	30.26%	0.779%
79	7.445	7.430	7.460	VV	277303	3617439	8.83%	0.227%
80	7.483	7.460	7.525	VV	619203	13998707	34.17%	0.880%
81	7.545	7.525	7.566	VV	461641	7015191	17.12%	0.441%
82	7.586	7.566	7.596	VV	172868	2798513	6.83%	0.176%
83	7.607	7.596	7.621	VV	182335	2417831	5.90%	0.152%
84	7.638	7.621	7.655	VV	222900	3528393	8.61%	0.222%
85	7.687	7.655	7.730	VV	873845	19487264	47.57%	1.225%
86	7.747	7.730	7.755	VV	437570	5136954	12.54%	0.323%
87	7.765	7.755	7.784	VV	442985	7437845	18.16%	0.468%
88	7.789	7.784	7.823	VV	416115	6088099	14.86%	0.383%
89	7.852	7.823	7.862	VV	179259	3629803	8.86%	0.228%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

rteres

90	7.883	7.862	7.895	VV	579857	7929891	19.36%	0.498%
91	7.901	7.895	7.918	VV	469343	4993209	12	
92	7.937	7.918	7.958	VV	493183	7499457	18	
93	7.979	7.958	7.992	VV	255728	4032625	9	
94	8.024	7.992	8.067	VV	1166237	20226769	49	
95	8.078	8.067	8.087	VV	215843	2484747	6	
96	8.101	8.087	8.109	VV	268286	3329162	8.13%	0.209%
97	8.119	8.109	8.131	VV	281211	3320502	8.11%	0.209%
98	8.147	8.131	8.166	VV	347196	5928360	14.47%	0.373%
99	8.184	8.166	8.200	VV	340610	5571816	13.60%	0.350%
100	8.232	8.200	8.255	VV	395966	10057885	24.55%	0.632%
101	8.299	8.255	8.316	VV	694500	16131447	39.38%	1.014%
102	8.323	8.316	8.337	VV	567198	6435042	15.71%	0.405%
103	8.351	8.337	8.376	VV	603947	10486211	25.60%	0.659%
104	8.420	8.376	8.460	VV	1759333	40965371	100.00%	2.575%
105	8.472	8.460	8.484	VV	242681	3358331	8.20%	0.211%
106	8.533	8.484	8.546	VV	2154451	39219164	95.74%	2.465%
107	8.559	8.546	8.598	VV	1680372	23539910	57.46%	1.480%
108	8.611	8.598	8.621	VV	390515	4622443	11.28%	0.291%
109	8.635	8.621	8.653	VV	470377	7328934	17.89%	0.461%
110	8.691	8.653	8.723	VV	1064191	27030147	65.98%	1.699%
111	8.730	8.723	8.737	VV	212324	1719447	4.20%	0.108%
112	8.761	8.737	8.775	VV	656988	9754087	23.81%	0.613%
113	8.797	8.775	8.809	VV	758493	11586411	28.28%	0.728%
114	8.819	8.809	8.857	VV	634519	12607261	30.78%	0.792%
115	8.906	8.857	8.935	VV	795567	17990217	43.92%	1.131%
116	8.964	8.935	8.978	VV	355662	7621657	18.61%	0.479%
117	8.995	8.978	9.008	VV	401496	6419295	15.67%	0.404%
118	9.015	9.008	9.030	VV	377073	4520026	11.03%	0.284%
119	9.060	9.030	9.087	VV	576019	13380032	32.66%	0.841%
120	9.107	9.087	9.133	VV	618678	12814808	31.28%	0.806%
121	9.141	9.133	9.153	VV	414772	4747423	11.59%	0.298%
122	9.166	9.153	9.180	VV	426351	5866119	14.32%	0.369%
123	9.195	9.180	9.211	VV	380674	6010886	14.67%	0.378%
124	9.250	9.211	9.268	VV	1546027	25752346	62.86%	1.619%
125	9.281	9.268	9.302	VV	699531	10402754	25.39%	0.654%
126	9.320	9.302	9.339	VV	645233	9918167	24.21%	0.623%
127	9.371	9.339	9.386	VV	622622	12718750	31.05%	0.799%
128	9.422	9.386	9.439	VV	1258321	21705065	52.98%	1.364%
129	9.468	9.439	9.505	VV	1521873	26835326	65.51%	1.687%
130	9.523	9.505	9.545	VV	314434	6757897	16.50%	0.425%
131	9.581	9.545	9.596	VV	1116346	18631438	45.48%	1.171%
132	9.614	9.596	9.643	VV	1107888	16499384	40.28%	1.037%
133	9.657	9.643	9.670	VV	290812	4378232	10.69%	0.275%
134	9.719	9.670	9.740	VV	1247084	26486453	64.66%	1.665%
135	9.754	9.740	9.778	VV	366085	7527267	18.37%	0.473%
136	9.796	9.778	9.808	VV	496537	7062479	17.24%	0.444%
137	9.822	9.808	9.844	VV	522083	8050816	19.65%	0.506%
138	9.877	9.844	9.901	VV	998488	18404034	44.93%	1.157%
139	9.916	9.901	9.930	VV	404882	6018845	14.69%	0.378%
140	9.948	9.930	9.962	VV	601615	8625099	21.05%	0.542%
141	9.976	9.962	9.986	VV	570430	7268711	17.74%	0.457%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

142	10.002	9.986	10.025	VV	899772	14738340	35.98%	0.926%
143	10.038	10.025	10.059	VV	438619	7594153	18	
144	10.076	10.059	10.098	VV	428050	7971200	19	
145	10.121	10.098	10.145	VV	628254	13408814	32	
146	10.170	10.145	10.189	VV	520880	12000645	29	
147	10.220	10.189	10.263	VV	723798	20817569	50	
148	10.280	10.263	10.294	VV	354375	5917374	14.44%	0.372%
149	10.317	10.294	10.351	VV	459225	11450042	27.95%	0.720%
150	10.383	10.351	10.430	VV	652837	17440905	42.57%	1.096%
151	10.442	10.430	10.454	VV	213593	2969311	7.25%	0.187%
152	10.481	10.454	10.496	VV	319308	6464439	15.78%	0.406%
153	10.500	10.496	10.514	VV	237834	2470833	6.03%	0.155%
154	10.541	10.514	10.575	VV	669245	13136172	32.07%	0.826%
155	10.596	10.575	10.623	VV	450497	9423417	23.00%	0.592%
156	10.655	10.623	10.666	VV	619822	11474847	28.01%	0.721%
157	10.681	10.666	10.704	VV	774412	12435499	30.36%	0.782%
158	10.727	10.704	10.772	VV	1124334	19908837	48.60%	1.251%
159	10.800	10.772	10.807	VV	653335	10098761	24.65%	0.635%
160	10.817	10.807	10.840	VV	684108	10936108	26.70%	0.687%
161	10.864	10.840	10.889	VV	637199	13814851	33.72%	0.868%
162	10.902	10.889	10.913	VV	423566	5670126	13.84%	0.356%
163	10.934	10.913	10.950	VV	468097	9296218	22.69%	0.584%
164	10.968	10.950	10.985	VV	533540	9016880	22.01%	0.567%
165	11.021	10.985	11.044	VV	646383	16172642	39.48%	1.017%
166	11.077	11.044	11.094	VV	388222	10406374	25.40%	0.654%
167	11.103	11.094	11.119	VV	338547	4494277	10.97%	0.283%
168	11.165	11.119	11.181	VV	407833	11860360	28.95%	0.746%
169	11.205	11.181	11.228	VV	694717	12917965	31.53%	0.812%
170	11.231	11.228	11.260	VV	325967	5118915	12.50%	0.322%
171	11.281	11.260	11.317	VV	350213	9745014	23.79%	0.613%
172	11.338	11.317	11.356	VV	263375	5577950	13.62%	0.351%
173	11.377	11.356	11.397	VV	335386	6837981	16.69%	0.430%
174	11.418	11.397	11.438	VV	386530	7612211	18.58%	0.478%
175	11.451	11.438	11.456	VV	255927	2648439	6.47%	0.166%
176	11.460	11.456	11.464	VV	253247	1164090	2.84%	0.073%
177	11.513	11.464	11.533	VV	537757	14339035	35.00%	0.901%
178	11.559	11.533	11.581	VV	473099	10848174	26.48%	0.682%
179	11.598	11.581	11.660	VV	428672	15208550	37.13%	0.956%
180	11.681	11.660	11.710	VV	405108	10530714	25.71%	0.662%
181	11.730	11.710	11.767	VV	536154	12983848	31.69%	0.816%
182	11.797	11.767	11.818	VV	365397	8317578	20.30%	0.523%
183	11.857	11.818	11.880	VV	489826	12142180	29.64%	0.763%
184	11.893	11.880	11.921	VV	298887	6187414	15.10%	0.389%
185	11.941	11.921	11.949	VV	229053	3637958	8.88%	0.229%
186	11.977	11.949	11.992	VV	955673	13980168	34.13%	0.879%
187	12.010	11.992	12.025	VV	622961	9667138	23.60%	0.608%
188	12.043	12.025	12.074	VV	815337	12138772	29.63%	0.763%
189	12.102	12.074	12.131	VV	294537	7841024	19.14%	0.493%
190	12.157	12.131	12.173	VV	528497	9080880	22.17%	0.571%
191	12.190	12.173	12.235	VV	522314	11217962	27.38%	0.705%
192	12.257	12.235	12.274	VV	237832	4879295	11.91%	0.307%
193	12.300	12.274	12.323	VV	307670	7340719	17.92%	0.461%
194	12.344	12.323	12.362	VV	301282	5680437	13.87%	0.357%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

195	12.371	12.362	12.393	VV	208423	3720099	9.08%	0.234%
196	12.408	12.393	12.427	VV	226746	4047839	9	
197	12.444	12.427	12.458	VV	196537	3333006	8	
198	12.472	12.458	12.488	VV	186910	3269921	7	
199	12.506	12.488	12.521	VV	240998	3970320	9	
200	12.540	12.521	12.555	VV	273278	4840356	11	
201	12.564	12.555	12.592	VV	239546	4132359	10.09%	0.260%
202	12.620	12.592	12.638	VV	216817	4695607	11.46%	0.295%
203	12.652	12.638	12.666	VV	174069	2607088	6.36%	0.164%
204	12.682	12.666	12.711	VV	185745	4569969	11.16%	0.287%
205	12.725	12.711	12.733	VV	187365	2290799	5.59%	0.144%
206	12.748	12.733	12.773	VV	243531	4596170	11.22%	0.289%
207	12.797	12.773	12.833	VV	368073	8764148	21.39%	0.551%
208	12.872	12.833	12.882	VV	175346	4391757	10.72%	0.276%
209	12.908	12.882	12.926	VV	473656	8185615	19.98%	0.515%
210	12.941	12.926	12.957	VV	287356	4421212	10.79%	0.278%
211	12.969	12.957	12.997	VV	224722	3902104	9.53%	0.245%
212	13.017	12.997	13.033	VV	220508	3605269	8.80%	0.227%
213	13.040	13.033	13.064	VV	162452	2473062	6.04%	0.155%
214	13.072	13.064	13.087	VV	100816	1341833	3.28%	0.084%
215	13.117	13.087	13.124	VV	115983	2388274	5.83%	0.150%
216	13.143	13.124	13.163	VV	139821	2739666	6.69%	0.172%
217	13.173	13.163	13.188	VV	97662	1374966	3.36%	0.086%
218	13.208	13.188	13.228	VV	111999	2366340	5.78%	0.149%
219	13.235	13.228	13.248	VV	94821	1096237	2.68%	0.069%
220	13.266	13.248	13.290	VV	99901	2273812	5.55%	0.143%
221	13.311	13.290	13.335	VV	141383	2813296	6.87%	0.177%
222	13.342	13.335	13.361	VV	84386	1271147	3.10%	0.080%
223	13.402	13.361	13.430	VV	266798	5600382	13.67%	0.352%
224	13.454	13.430	13.475	VV	115413	2637277	6.44%	0.166%
225	13.487	13.475	13.511	VV	95252	1821558	4.45%	0.115%
226	13.521	13.511	13.542	VV	78427	1291883	3.15%	0.081%
227	13.599	13.542	13.625	VV	121367	4089212	9.98%	0.257%
228	13.646	13.625	13.689	VV	137658	3171586	7.74%	0.199%
229	13.710	13.689	13.724	VV	91734	1463646	3.57%	0.092%
230	13.743	13.724	13.765	VV	91560	1730108	4.22%	0.109%
231	13.790	13.765	13.806	VV	79823	1553030	3.79%	0.098%
232	13.817	13.806	13.842	VV	58952	1148595	2.80%	0.072%
233	13.861	13.842	13.879	VV	56481	1144897	2.79%	0.072%
234	13.898	13.879	13.962	VV	62925	2251644	5.50%	0.142%
235	13.969	13.962	13.986	VV	33480	453367	1.11%	0.028%
236	14.009	13.986	14.030	VV	43460	998467	2.44%	0.063%
237	14.047	14.030	14.063	VV	47110	819740	2.00%	0.052%
238	14.092	14.063	14.123	VV	45271	1390191	3.39%	0.087%
239	14.132	14.123	14.147	VV	31347	438773	1.07%	0.028%
240	14.172	14.147	14.201	VV	48428	1174721	2.87%	0.074%
241	14.216	14.201	14.235	VV	35121	631002	1.54%	0.040%
242	14.259	14.235	14.329	VV	25759	1281776	3.13%	0.081%
243	14.355	14.329	14.368	VV	23843	490800	1.20%	0.031%
244	14.371	14.368	14.425	VV	23812	660283	1.61%	0.042%
245	14.460	14.425	14.479	VV	20538	578301	1.41%	0.036%
246	14.485	14.479	14.494	VV	15918	143503	0.35%	0.009%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

247	14.516	14.494	14.555	VV	26587	658470	1.61%	0.041%
248	14.558	14.555	14.568	VV	14331	113273		
249	14.590	14.568	14.600	VV	17093	305999		
250	14.611	14.600	14.684	VV	16507	679349		
251	14.724	14.684	14.748	VV	16645	543814		
252	14.759	14.748	14.790	VV	12939	288819		
253	14.813	14.790	14.825	VV	13210	246898	0.60%	0.016%
254	14.840	14.825	14.860	VV	13913	265480	0.65%	0.017%
255	14.873	14.860	14.892	VV	13333	213318	0.52%	0.013%
256	14.906	14.892	14.930	VV	9723	199736	0.49%	0.013%
257	14.951	14.930	14.980	VV	11354	272381	0.66%	0.017%
258	14.994	14.980	15.014	VV	9608	182913	0.45%	0.011%
259	15.031	15.014	15.057	VV	12105	234640	0.57%	0.015%
260	15.069	15.057	15.089	VV	7009	121283	0.30%	0.008%
261	15.104	15.089	15.130	VV	5521	123351	0.30%	0.008%
262	15.139	15.130	15.144	VV	4926	42702	0.10%	0.003%
263	15.151	15.144	15.160	VV	5067	44916	0.11%	0.003%
264	15.184	15.160	15.203	VV	7301	146173	0.36%	0.009%
265	15.223	15.203	15.241	VV	7200	130016	0.32%	0.008%
266	15.256	15.241	15.283	VV	6258	130880	0.32%	0.008%
267	15.301	15.283	15.320	VV	4961	92946	0.23%	0.006%
268	15.345	15.320	15.376	VV	6075	168103	0.41%	0.011%
269	15.388	15.376	15.417	VV	4337	97647	0.24%	0.006%
270	15.424	15.417	15.456	VV	3733	74240	0.18%	0.005%
271	15.492	15.456	15.520	VV	4749	123944	0.30%	0.008%
272	15.524	15.520	15.528	VV	2052	10682	0.03%	0.001%
273	15.542	15.528	15.563	VV	2197	42830	0.10%	0.003%
274	15.632	15.563	15.689	VV	30914	615837	1.50%	0.039%
275	15.696	15.689	15.729	VV	3220	57908	0.14%	0.004%
276	15.733	15.729	15.747	VV	1694	18494	0.05%	0.001%
277	15.754	15.747	15.756	VV	1664	7920	0.02%	0.000%
278	15.789	15.756	15.831	VV	4218	134461	0.33%	0.008%
279	15.857	15.831	15.878	VV	3795	70604	0.17%	0.004%
280	15.895	15.878	15.932	VV	2343	54088	0.13%	0.003%
281	15.940	15.932	15.945	VV	1358	9831	0.02%	0.001%
282	15.996	15.945	16.018	VV	2390	83457	0.20%	0.005%
283	16.022	16.018	16.058	VV	2085	33493	0.08%	0.002%
284	16.092	16.058	16.117	VV	1684	44293	0.11%	0.003%
285	16.140	16.117	16.144	VV	1564	21610	0.05%	0.001%
286	16.149	16.144	16.167	VV	1590	19468	0.05%	0.001%
287	16.172	16.167	16.205	VV	1340	24544	0.06%	0.002%
288	16.222	16.205	16.226	VV	942	10446	0.03%	0.001%
289	16.233	16.226	16.255	VV	1011	15112	0.04%	0.001%
290	16.278	16.255	16.317	VV	3122	59039	0.14%	0.004%
291	16.334	16.317	16.358	VV	1287	23964	0.06%	0.002%
292	16.365	16.358	16.401	VV	751	10897	0.03%	0.001%
293	16.431	16.410	16.438	PV	572	5866	0.01%	0.000%
294	16.463	16.438	16.481	VV	1235	22303	0.05%	0.001%
295	16.490	16.481	16.511	VV	918	13530	0.03%	0.001%
296	16.516	16.511	16.539	VV	636	8270	0.02%	0.001%
297	16.561	16.539	16.581	VV	940	16497	0.04%	0.001%
298	16.597	16.581	16.621	VV	786	15467	0.04%	0.001%
299	16.649	16.621	16.696	VV	3083	67350	0.16%	0.004%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

300	16.739	16.696	16.749	VV	2010	33526	0.08%	0.002%
301	16.762	16.749	16.789	VV	2459	35676		
302	16.804	16.789	16.813	VV	437	5852		
303	16.841	16.813	16.871	VV	8517	116276		
304	16.890	16.871	16.918	VV	1375	25373		
305	16.926	16.918	16.948	VV	709	9425		
306	16.969	16.948	16.975	VV	715	9121	0.02%	0.001%
307	16.990	16.975	17.005	VV	880	13024	0.03%	0.001%
308	17.061	17.005	17.091	VV	1580	41245	0.10%	0.003%
309	17.119	17.091	17.158	VV	1886	40429	0.10%	0.003%
310	17.191	17.158	17.200	VV	1257	20618	0.05%	0.001%
311	17.227	17.200	17.254	VV	2846	53815	0.13%	0.003%
312	17.279	17.254	17.305	VV	2434	41844	0.10%	0.003%
313	17.309	17.305	17.327	VV	504	5790	0.01%	0.000%
314	17.334	17.327	17.341	VV	471	3728	0.01%	0.000%
315	17.350	17.341	17.355	VV	577	3980	0.01%	0.000%
316	17.363	17.355	17.381	VV	512	5609	0.01%	0.000%
317	17.389	17.381	17.408	VV	275	2810	0.01%	0.000%
318	17.422	17.408	17.426	PV	247	1597	0.00%	0.000%
319	17.432	17.426	17.441	VV	325	2251	0.01%	0.000%
320	17.477	17.441	17.487	VV	801	14773	0.04%	0.001%
321	17.491	17.487	17.518	VV	616	6065	0.01%	0.000%
322	17.550	17.518	17.555	VV	720	8984	0.02%	0.001%
323	17.561	17.555	17.570	VV	688	5472	0.01%	0.000%
324	17.595	17.570	17.633	VV	1480	38284	0.09%	0.002%
325	17.648	17.633	17.656	VV	940	10770	0.03%	0.001%
326	17.675	17.656	17.710	VV	2416	39370	0.10%	0.002%
327	17.718	17.710	17.728	VV	300	2563	0.01%	0.000%
328	17.773	17.738	17.778	VV	487	7064	0.02%	0.000%
329	17.792	17.778	17.816	VV	613	8493	0.02%	0.001%
330	17.821	17.816	17.831	VV	237	1453	0.00%	0.000%
331	17.859	17.831	17.873	VV	427	7736	0.02%	0.000%
332	17.903	17.873	17.932	VV	5660	74122	0.18%	0.005%
333	17.973	17.932	18.003	PV	5330	77783	0.19%	0.005%
334	18.052	18.003	18.057	VV	494	8969	0.02%	0.001%
335	18.082	18.057	18.093	VV	1100	16684	0.04%	0.001%
336	18.116	18.093	18.147	VV	2553	39243	0.10%	0.002%
337	18.156	18.147	18.173	PV	166	1205	0.00%	0.000%
338	18.206	18.173	18.233	VV	1928	27565	0.07%	0.002%

Sum of corrected areas: 1590852389

Aromatic EPH 102124.M Thu Oct 31 07:13:19 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-9DL		SDG No.:	P4599	
Lab Sample ID:	P4599-09DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.4	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050955.D	10	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	159		4.29	11.3	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	485	E	2.71	7.52	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	286	E	3.38	11.3	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	15.2		9.03	15.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.3	U	20.3	22.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.77		40 - 140	95%	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:	P4599-09DL	Acq On:	31 Oct 2024 21:06
Client Sample ID:	EX-1-TPH-9DL	Operator:	YP\AJ
Data file:	FE050955.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.761	30229561	211.544	300	ug/ml
Aliphatic C12-C16	6.762	10.193	93694153	645.64	200	ug/ml
Aliphatic C16-C21	10.194	13.552	54946864	380.515	300	ug/ml
Aliphatic C21-C28	13.553	17.208	2873149	20.211	400	ug/ml
Aliphatic C28-C40	17.209	22.054	1149763	8.313	600	ug/ml
Aliphatic EPH	3.144	22.054	182893490	1270		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	564832	4.77		ug/ml
Aliphatic C9-C28	3.144	17.208	181743727	1260	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050955.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 21:06
Operator : YP\AJ
Sample : P4599-09DL 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:44:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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...	13.286	564832	4.775 ug/mlm
Spiked Amount 50.000		Recovery =	9.55%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050955.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 21:06
Operator : YP\AJ
Sample : P4599-09DL 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

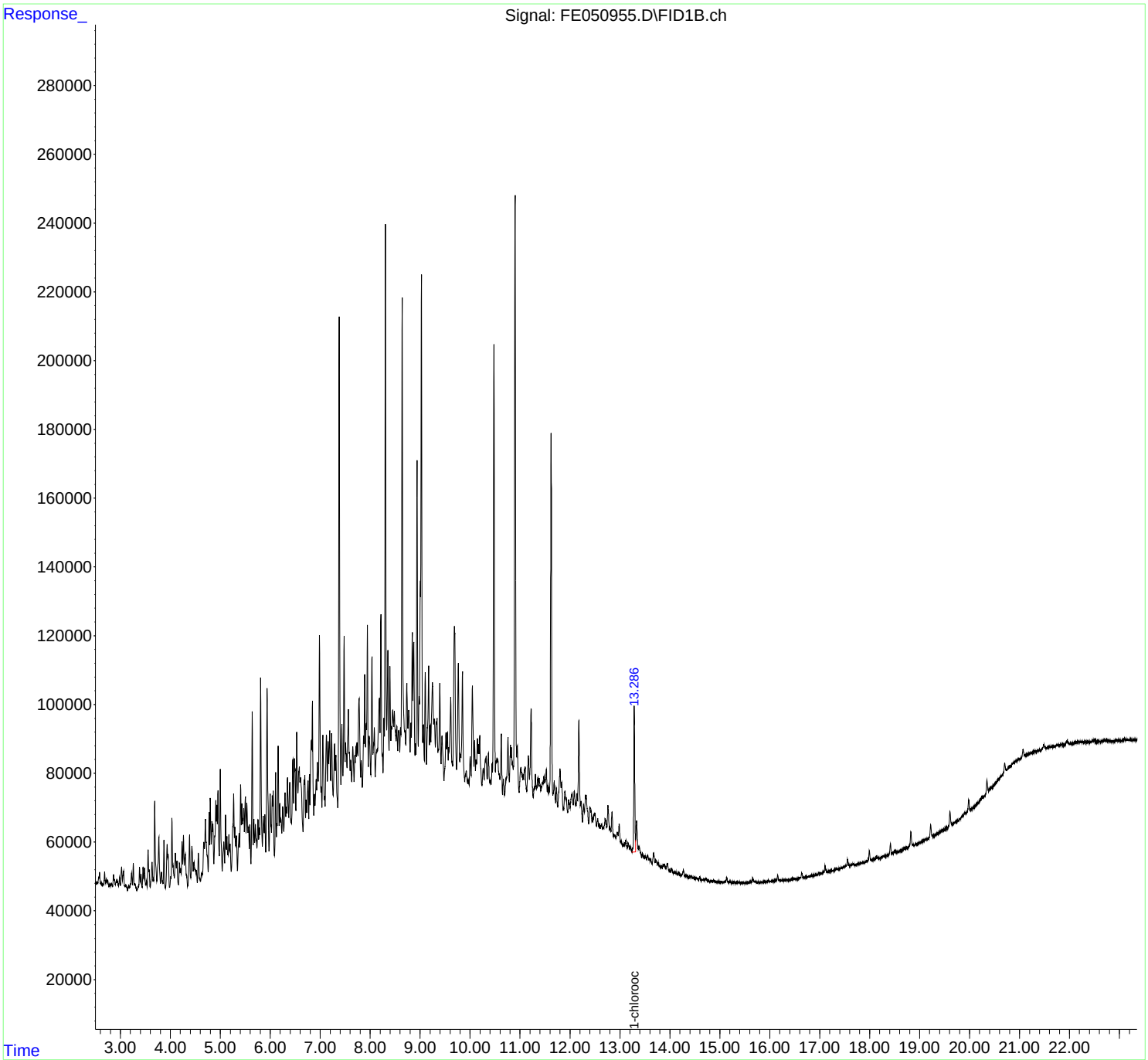
Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9DL

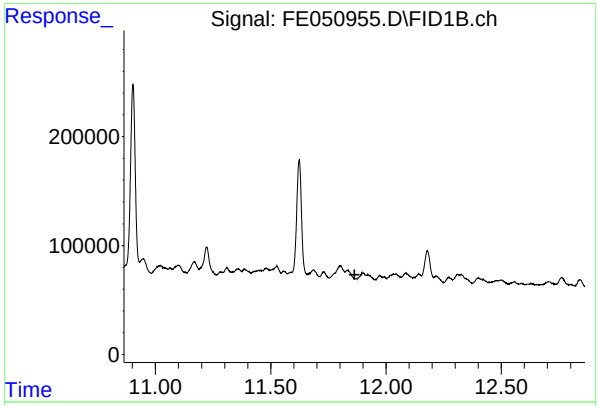
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:44:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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





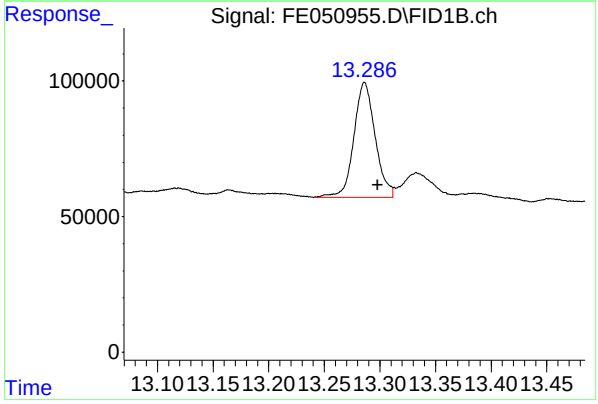
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
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#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.012 min
Response: 564832
Conc: 4.77 ug/ml m

Instrument :
FID_E
ClientSampleId :
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rteres

Area Percent Report

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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050955.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 21:06
Sample : P4599-09DL 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.288	3.278	3.331	PV	704	9126	0.19%	0.005%
2	3.384	3.331	3.399	PV	6548	86875	1.85%	0.047%
3	3.412	3.399	3.433	VV	4621	55549	1.18%	0.030%
4	3.453	3.433	3.468	VV	6491	82465	1.76%	0.045%
5	3.484	3.468	3.511	VV	6352	93665	2.00%	0.051%
6	3.521	3.511	3.534	VV	2623	26229	0.56%	0.014%
7	3.554	3.534	3.597	VV	11613	197326	4.21%	0.107%
8	3.633	3.597	3.668	VV	8005	165075	3.52%	0.090%
9	3.686	3.668	3.729	VV	25484	387671	8.27%	0.211%
10	3.769	3.729	3.803	VV	15322	319644	6.81%	0.174%
11	3.822	3.803	3.854	VV	5044	98793	2.11%	0.054%
12	3.872	3.854	3.900	VV	14268	152780	3.26%	0.083%
13	3.935	3.900	3.984	VV	13175	320112	6.82%	0.174%
14	4.032	3.984	4.079	VV	20778	376376	8.02%	0.205%
15	4.101	4.079	4.120	VV	10565	180245	3.84%	0.098%
16	4.132	4.120	4.160	VV	8219	117966	2.52%	0.064%
17	4.182	4.160	4.195	VV	7723	100800	2.15%	0.055%
18	4.204	4.195	4.216	VV	6125	68915	1.47%	0.037%
19	4.234	4.216	4.247	VV	13912	174371	3.72%	0.095%
20	4.263	4.247	4.280	VV	15831	219430	4.68%	0.119%
21	4.299	4.280	4.346	VV	10106	235992	5.03%	0.128%
22	4.384	4.346	4.407	VV	15907	245649	5.24%	0.134%
23	4.432	4.407	4.457	VV	12519	244662	5.22%	0.133%
24	4.473	4.457	4.514	VV	7853	209256	4.46%	0.114%
25	4.523	4.514	4.540	VV	5531	62407	1.33%	0.034%
26	4.561	4.540	4.604	VV	10445	196528	4.19%	0.107%
27	4.623	4.604	4.632	VV	4612	61471	1.31%	0.033%
28	4.670	4.632	4.683	VV	13571	268509	5.72%	0.146%
29	4.701	4.683	4.757	VV	20232	551364	11.75%	0.300%
30	4.775	4.757	4.786	VV	22214	249514	5.32%	0.136%
31	4.799	4.786	4.818	VV	26488	370086	7.89%	0.201%
32	4.834	4.818	4.844	VV	19515	266037	5.67%	0.145%
33	4.852	4.844	4.871	VV	18795	222740	4.75%	0.121%
34	4.910	4.871	4.921	VV	25743	497667	10.61%	0.271%
35	4.930	4.921	4.941	VV	24311	270099	5.76%	0.147%
36	4.953	4.941	4.980	VV	28664	433464	9.24%	0.236%

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37	5.000	4.980	5.039	VV	34651	601662	12.83%	0.327%
38	5.070	5.039	5.087	VV	13763	296856	6	
39	5.105	5.087	5.122	VV	21447	308883	6	
40	5.133	5.122	5.158	VV	15258	257911	5	
41	5.172	5.158	5.185	VV	15770	214933	4	
42	5.196	5.185	5.219	VV	12939	195109	4	
43	5.268	5.219	5.283	VV	27677	615030	13.11%	0.334%
44	5.291	5.283	5.305	VV	18017	208928	4.45%	0.114%
45	5.323	5.305	5.344	VV	15518	280390	5.98%	0.152%
46	5.375	5.344	5.387	VV	16072	306259	6.53%	0.167%
47	5.408	5.387	5.421	VV	30284	447053	9.53%	0.243%
48	5.432	5.421	5.444	VV	24727	296656	6.32%	0.161%
49	5.469	5.444	5.482	VV	23235	462807	9.87%	0.252%
50	5.501	5.482	5.517	VV	26636	459864	9.80%	0.250%
51	5.532	5.517	5.555	VV	24953	464807	9.91%	0.253%
52	5.566	5.555	5.581	VV	17877	241650	5.15%	0.131%
53	5.594	5.581	5.613	VV	18565	262020	5.59%	0.142%
54	5.640	5.613	5.659	VV	51383	718702	15.32%	0.391%
55	5.672	5.659	5.689	VV	20154	293020	6.25%	0.159%
56	5.704	5.689	5.733	VV	18694	403037	8.59%	0.219%
57	5.755	5.733	5.769	VV	20053	354097	7.55%	0.193%
58	5.808	5.769	5.842	VV	61091	1176579	25.08%	0.640%
59	5.860	5.842	5.880	VV	20736	399776	8.52%	0.217%
60	5.893	5.880	5.910	VV	21344	301858	6.44%	0.164%
61	5.937	5.910	5.976	VV	58216	1133791	24.17%	0.617%
62	5.998	5.976	6.024	VV	27439	560582	11.95%	0.305%
63	6.058	6.024	6.084	VV	28069	745197	15.89%	0.405%
64	6.108	6.084	6.124	VV	33646	494747	10.55%	0.269%
65	6.158	6.124	6.178	VV	41333	818586	17.45%	0.445%
66	6.191	6.178	6.204	VV	24681	338173	7.21%	0.184%
67	6.213	6.204	6.231	VV	20145	298040	6.35%	0.162%
68	6.250	6.231	6.271	VV	23721	477362	10.18%	0.260%
69	6.296	6.271	6.311	VV	27736	545749	11.64%	0.297%
70	6.345	6.311	6.369	VV	32100	869644	18.54%	0.473%
71	6.391	6.369	6.424	VV	30780	793627	16.92%	0.432%
72	6.452	6.424	6.469	VV	37375	766067	16.33%	0.417%
73	6.485	6.469	6.512	VV	37555	813936	17.35%	0.443%
74	6.530	6.512	6.555	VV	45120	872629	18.60%	0.475%
75	6.580	6.555	6.596	VV	35147	791380	16.87%	0.430%
76	6.607	6.596	6.656	VV	32144	942569	20.10%	0.513%
77	6.691	6.656	6.708	VV	32641	818935	17.46%	0.445%
78	6.720	6.708	6.730	VV	25589	318504	6.79%	0.173%
79	6.756	6.730	6.771	VV	31100	643298	13.71%	0.350%
80	6.785	6.771	6.796	VV	32966	407681	8.69%	0.222%
81	6.844	6.796	6.872	VV	54352	1700205	36.25%	0.925%
82	6.886	6.872	6.897	VV	27250	372984	7.95%	0.203%
83	6.920	6.897	6.930	VV	31530	554566	11.82%	0.302%
84	6.945	6.930	6.961	VV	36385	612829	13.07%	0.333%
85	6.986	6.961	7.034	VV	72477	1811392	38.62%	0.985%
86	7.054	7.034	7.098	VV	43964	1212266	25.85%	0.659%
87	7.125	7.098	7.144	VV	44552	1002185	21.37%	0.545%
88	7.159	7.144	7.171	VV	42431	606619	12.93%	0.330%
89	7.190	7.171	7.209	VV	45777	900772	19.20%	0.490%

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90	7.229	7.209	7.259	VV	44893	1057069	22.54%	0.575%
91	7.288	7.259	7.302	VV	41729	892906	19	
92	7.314	7.302	7.352	VV	38440	943349	20	
93	7.380	7.352	7.415	VV	165987	2703580	57	
94	7.435	7.415	7.455	VV	47454	934572	19	
95	7.479	7.455	7.498	VV	73027	1269760	27	
96	7.509	7.498	7.536	VV	42078	892676	19.03%	0.485%
97	7.564	7.536	7.599	VV	51733	1579618	33.68%	0.859%
98	7.610	7.599	7.630	VV	36782	637840	13.60%	0.347%
99	7.653	7.630	7.679	VV	40807	1055524	22.50%	0.574%
100	7.714	7.679	7.725	VV	40840	1026356	21.88%	0.558%
101	7.737	7.725	7.754	VV	42017	713242	15.21%	0.388%
102	7.778	7.754	7.809	VV	54818	1491158	31.79%	0.811%
103	7.822	7.809	7.844	VV	36731	698171	14.88%	0.380%
104	7.892	7.844	7.908	VV	61867	1682949	35.88%	0.915%
105	7.946	7.908	7.964	VV	76099	1722232	36.72%	0.937%
106	7.981	7.964	8.012	VV	43912	1145622	24.42%	0.623%
107	8.036	8.012	8.058	VV	66798	1312486	27.98%	0.714%
108	8.084	8.058	8.103	VV	46307	1099101	23.43%	0.598%
109	8.184	8.103	8.198	VV	54949	2461415	52.48%	1.339%
110	8.216	8.198	8.258	VV	79166	1867718	39.82%	1.016%
111	8.306	8.258	8.333	VV	192688	3462820	73.83%	1.883%
112	8.356	8.333	8.378	VV	68473	1493266	31.84%	0.812%
113	8.396	8.378	8.434	VV	63751	1651275	35.20%	0.898%
114	8.450	8.434	8.471	VV	51496	1097471	23.40%	0.597%
115	8.485	8.471	8.520	VV	51119	1363424	29.07%	0.741%
116	8.535	8.520	8.551	VV	46582	835361	17.81%	0.454%
117	8.577	8.551	8.593	VV	45559	1089734	23.23%	0.593%
118	8.642	8.593	8.714	VV	170986	4690487	100.00%	2.551%
119	8.734	8.714	8.756	VV	58911	1273371	27.15%	0.693%
120	8.774	8.756	8.801	VV	51298	1275125	27.19%	0.693%
121	8.844	8.801	8.856	VV	73856	1727544	36.83%	0.940%
122	8.872	8.856	8.898	VV	71114	1460374	31.13%	0.794%
123	8.940	8.898	8.964	VV	123777	2488080	53.05%	1.353%
124	9.027	8.964	9.053	VV	178235	4397371	93.75%	2.391%
125	9.066	9.053	9.084	VV	47035	799533	17.05%	0.435%
126	9.104	9.084	9.127	VV	62273	1242824	26.50%	0.676%
127	9.172	9.127	9.190	VV	63974	1825372	38.92%	0.993%
128	9.204	9.190	9.216	VV	46829	697962	14.88%	0.380%
129	9.248	9.216	9.273	VV	59238	1761633	37.56%	0.958%
130	9.281	9.273	9.307	VV	48690	946630	20.18%	0.515%
131	9.337	9.307	9.358	VV	48768	1378688	29.39%	0.750%
132	9.396	9.358	9.420	VV	59004	1679143	35.80%	0.913%
133	9.440	9.420	9.479	VV	43706	1350534	28.79%	0.734%
134	9.518	9.479	9.531	VV	44542	1171647	24.98%	0.637%
135	9.547	9.531	9.564	VV	44502	817497	17.43%	0.445%
136	9.614	9.564	9.651	VV	54982	2213554	47.19%	1.204%
137	9.687	9.651	9.731	VV	74898	2522762	53.78%	1.372%
138	9.766	9.731	9.794	VV	64557	1795373	38.28%	0.976%
139	9.806	9.794	9.816	VV	38378	494341	10.54%	0.269%
140	9.848	9.816	9.892	VV	62046	1929701	41.14%	1.049%
141	9.925	9.892	9.960	VV	33450	1287443	27.45%	0.700%

Instrument :
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142	10.003	9.960	10.021	VV	37493	1199405	25.57%	0.652%
143	10.047	10.021	10.078	VV	58038	1547547	32	
144	10.092	10.078	10.110	VV	42166	716030	15	
145	10.122	10.110	10.131	VV	36755	446139	9	
146	10.149	10.131	10.162	VV	42833	753538	16	
147	10.171	10.162	10.181	VV	41054	442311	9	
148	10.195	10.181	10.236	VV	43641	1207233	25.74%	0.657%
149	10.265	10.236	10.283	VV	33918	900892	19.21%	0.490%
150	10.321	10.283	10.345	VV	37618	1293803	27.58%	0.704%
151	10.367	10.345	10.405	VV	38573	1199235	25.57%	0.652%
152	10.411	10.405	10.421	VV	30608	282498	6.02%	0.154%
153	10.441	10.421	10.450	VV	35532	576750	12.30%	0.314%
154	10.479	10.450	10.508	VV	156993	2779394	59.26%	1.512%
155	10.539	10.508	10.596	VV	36925	1837396	39.17%	0.999%
156	10.627	10.596	10.651	VV	44222	1122144	23.92%	0.610%
157	10.668	10.651	10.694	VV	30902	753830	16.07%	0.410%
158	10.760	10.694	10.787	VV	42946	1835404	39.13%	0.998%
159	10.809	10.787	10.818	VV	40759	685101	14.61%	0.373%
160	10.829	10.818	10.864	VV	40132	1000332	21.33%	0.544%
161	10.903	10.864	10.932	VV	200633	3702313	78.93%	2.013%
162	10.946	10.932	10.982	VV	40691	1034574	22.06%	0.563%
163	11.020	10.982	11.054	VV	34226	1367114	29.15%	0.743%
164	11.099	11.054	11.134	VV	34439	1524107	32.49%	0.829%
165	11.168	11.134	11.189	VV	37744	1087698	23.19%	0.592%
166	11.222	11.189	11.264	VV	51393	1612311	34.37%	0.877%
167	11.310	11.264	11.330	VV	32258	1134892	24.20%	0.617%
168	11.358	11.330	11.374	VV	31363	782735	16.69%	0.426%
169	11.386	11.374	11.415	VV	31030	729761	15.56%	0.397%
170	11.481	11.415	11.498	VV	31555	1476036	31.47%	0.803%
171	11.526	11.498	11.545	VV	33527	879883	18.76%	0.479%
172	11.557	11.545	11.573	VV	29125	464463	9.90%	0.253%
173	11.623	11.573	11.658	VV	131409	2842095	60.59%	1.546%
174	11.685	11.658	11.712	VV	30340	884137	18.85%	0.481%
175	11.730	11.712	11.754	VV	28309	646177	13.78%	0.351%
176	11.801	11.754	11.822	VV	33800	1188047	25.33%	0.646%
177	11.832	11.822	11.870	VV	29725	742798	15.84%	0.404%
178	11.900	11.870	11.951	VV	27273	1190325	25.38%	0.647%
179	11.973	11.951	12.002	VV	24639	715577	15.26%	0.389%
180	12.041	12.002	12.065	VV	26328	937589	19.99%	0.510%
181	12.085	12.065	12.117	VV	27232	779508	16.62%	0.424%
182	12.142	12.117	12.154	VV	26405	545671	11.63%	0.297%
183	12.179	12.154	12.208	VV	47844	1108938	23.64%	0.603%
184	12.218	12.208	12.251	VV	24134	564213	12.03%	0.307%
185	12.272	12.251	12.289	VV	23340	496216	10.58%	0.270%
186	12.311	12.289	12.374	VV	26016	1160447	24.74%	0.631%
187	12.400	12.374	12.446	VV	22345	880602	18.77%	0.479%
188	12.479	12.446	12.491	VV	20236	528736	11.27%	0.288%
189	12.499	12.491	12.530	VV	20733	448524	9.56%	0.244%
190	12.557	12.530	12.577	VV	19262	508720	10.85%	0.277%
191	12.588	12.577	12.605	VV	17759	285381	6.08%	0.155%
192	12.630	12.605	12.663	VV	17515	586369	12.50%	0.319%
193	12.706	12.663	12.737	VV	19107	773410	16.49%	0.421%
194	12.761	12.737	12.817	VV	23023	887065	18.91%	0.482%

Instrument :
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195	12.841	12.817	12.886	VV	21064	691828	14.75%	0.376%
196	12.895	12.886	12.918	VV	14485	267182	5	
197	12.949	12.918	12.965	VV	15174	411883	8	
198	12.984	12.965	13.022	VV	17514	496873	10	
199	13.029	13.022	13.048	VV	12509	188312	4	
200	13.060	13.048	13.075	VV	11723	181861	3	
201	13.117	13.075	13.145	VV	12765	498105	10.62%	0.271%
202	13.165	13.145	13.194	VV	12122	329821	7.03%	0.179%
203	13.204	13.194	13.240	VV	10801	285134	6.08%	0.155%
204	13.286	13.240	13.314	VV	51549	985474	21.01%	0.536%
205	13.333	13.314	13.368	VV	18320	463715	9.89%	0.252%
206	13.385	13.368	13.437	VV	10860	399265	8.51%	0.217%
207	13.453	13.437	13.487	VV	8841	247561	5.28%	0.135%
208	13.501	13.487	13.532	VV	8090	211894	4.52%	0.115%
209	13.552	13.532	13.599	VV	8231	302986	6.46%	0.165%
210	13.614	13.599	13.640	VV	7416	167742	3.58%	0.091%
211	13.674	13.640	13.701	VV	9081	265893	5.67%	0.145%
212	13.721	13.701	13.748	VV	6946	182009	3.88%	0.099%
213	13.761	13.748	13.801	VV	6261	180303	3.84%	0.098%
214	13.811	13.801	13.841	VV	5095	118492	2.53%	0.064%
215	13.888	13.841	13.924	VV	5779	255488	5.45%	0.139%
216	13.947	13.924	14.013	VV	5886	243340	5.19%	0.132%
217	14.033	14.013	14.068	VV	4413	122116	2.60%	0.066%
218	14.087	14.068	14.101	VV	3402	65023	1.39%	0.035%
219	14.118	14.101	14.144	VV	3494	81794	1.74%	0.044%
220	14.175	14.144	14.228	VV	3109	138291	2.95%	0.075%
221	14.269	14.228	14.308	VV	4042	137908	2.94%	0.075%
222	14.331	14.308	14.379	VV	2504	91368	1.95%	0.050%
223	14.417	14.379	14.459	VV	2112	89673	1.91%	0.049%
224	14.477	14.459	14.493	VV	1758	33039	0.70%	0.018%
225	14.508	14.493	14.538	VV	1670	40882	0.87%	0.022%
226	14.546	14.538	14.578	VV	1463	31449	0.67%	0.017%
227	14.598	14.578	14.647	VV	1913	52553	1.12%	0.029%
228	14.670	14.647	14.700	VV	1220	33845	0.72%	0.018%
229	14.724	14.700	14.806	VV	1415	58139	1.24%	0.032%
230	14.822	14.806	14.834	VV	632	10427	0.22%	0.006%
231	14.845	14.834	14.854	VV	732	8202	0.17%	0.004%
232	14.884	14.854	14.934	VV	714	27264	0.58%	0.015%
233	14.985	14.934	15.006	VV	529	17173	0.37%	0.009%
234	15.038	15.006	15.076	VV	381	13133	0.28%	0.007%
235	15.095	15.076	15.107	VV	479	6788	0.14%	0.004%
236	15.136	15.107	15.241	VV	1678	41993	0.90%	0.023%
237	15.274	15.241	15.320	VV	309	8028	0.17%	0.004%
238	15.337	15.320	15.384	VV	227	5296	0.11%	0.003%
239	15.394	15.384	15.461	VV	199	4374	0.09%	0.002%
240	15.472	15.461	15.514	VV	165	2348	0.05%	0.001%
241	15.528	15.514	15.539	PV	193	1313	0.03%	0.001%
242	15.551	15.539	15.586	VV	212	3755	0.08%	0.002%
243	15.618	15.586	15.631	PV	196	3740	0.08%	0.002%
244	15.658	15.631	15.757	VV	1485	30899	0.66%	0.017%
245	15.792	15.757	15.814	VV	129	1649	0.04%	0.001%
246	15.917	15.814	15.927	PV	114	2777	0.06%	0.002%

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

247	15.965	15.927	16.021	PV	277	8398	0.18%	0.005%
248	16.029	16.021	16.062	VV	106	1679	0	
249	16.117	16.062	16.132	PV	401	7137	0	
250	16.157	16.132	16.248	VV	1780	33154	0	
251	16.255	16.248	16.268	VV	95	696	0	
252	16.301	16.268	16.311	PV	114	2002	0	
253	16.345	16.311	16.368	VV	187	3616	0.08%	0.002%
254	16.466	16.368	16.499	VV	309	9021	0.19%	0.005%
255	16.538	16.499	16.560	VV	151	4218	0.09%	0.002%
256	16.638	16.560	16.682	PV	1636	32779	0.70%	0.018%
257	16.715	16.682	16.729	VV	257	5209	0.11%	0.003%
258	16.753	16.729	16.772	VV	261	5174	0.11%	0.003%
259	16.852	16.772	16.892	VV	499	25980	0.55%	0.014%
260	17.106	16.892	17.168	VV	2669	133816	2.85%	0.073%
261	17.203	17.168	17.211	VV	898	21764	0.46%	0.012%
262	17.340	17.211	17.371	VV	1233	99207	2.12%	0.054%
263	17.556	17.371	17.604	VV	3544	236702	5.05%	0.129%
264	17.668	17.604	17.703	VV	1968	107207	2.29%	0.058%
265	17.719	17.703	17.732	VV	1777	29641	0.63%	0.016%
266	17.770	17.732	17.783	VV	1902	54992	1.17%	0.030%
267	17.837	17.783	17.853	VV	1989	77409	1.65%	0.042%
268	17.889	17.853	17.897	VV	2043	52046	1.11%	0.028%
269	17.933	17.897	17.940	VV	2215	54110	1.15%	0.029%
270	17.992	17.940	18.022	VV	5192	151337	3.23%	0.082%
271	18.135	18.022	18.208	VV	2984	287112	6.12%	0.156%

Sum of corrected areas: 183878960

Aliphatic EPH 100824.M Fri Nov 01 09:11:00 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-9DL		SDG No.:	P4599	
Lab Sample ID:	P4599-09DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.4	
Sample Wt/Vol:	30.08 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014612.D	5	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	64.2		1.69	3.76	mg/kg
Aromatic C12-C16	Aromatic C12-C16	313	E	1.92	5.64	mg/kg
Aromatic C16-C21	Aromatic C16-C21	526	E	5.42	9.40	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.3		11.3	15.0	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	20.2		40 - 140	202%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	18.8		40 - 140	188%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	14.1		40 - 140	141%	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:	P4599-09DL	Acq On:	31 Oct 2024 15:38
Client Sample ID:	EX-1-TPH-9DL	Operator:	YP\AJ
Data file:	FG014612.D	Misc:	
Instrument:	FID_G	ALS Vial:	46
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	23820763	170.763	200	ug/ml
Aromatic C12-C16	6.386	9.086	121188881	833.183	300	ug/ml
Aromatic C16-C21	9.087	13.404	202775168	1400	500	ug/ml
Aromatic C21-C36	13.405	18.847	8814375	62.012	800	ug/ml
Aromatic EPH	4.516	18.847	356599187	2470		ug/ml
2-Flurobiphenyl (SURR)	8.886	8.886	1616731	18.77		ug/ml
ortho-Terphenyl (SURR)	11.958	11.958	2093704	14.14		ug/ml
2-Bromonaphthalene (SURR)	8.012	8.012	2532075	20.17		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014612.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 15:38
Operator : YP\AJ
Sample : P4599-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:27:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.012	2532075	20.170 ug/mlm
Spiked Amount 50.000		Recovery =	40.34%
6) S 2-Flurobiphenyl (SURR)	8.886	1616731	18.770 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	37.54%
11) S ortho-Terphenyl (SURR)	11.958	2093704	14.141 ug/mlm
Spiked Amount 50.000		Recovery =	28.28%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014612.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 15:38
Operator : YP\AJ
Sample : P4599-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

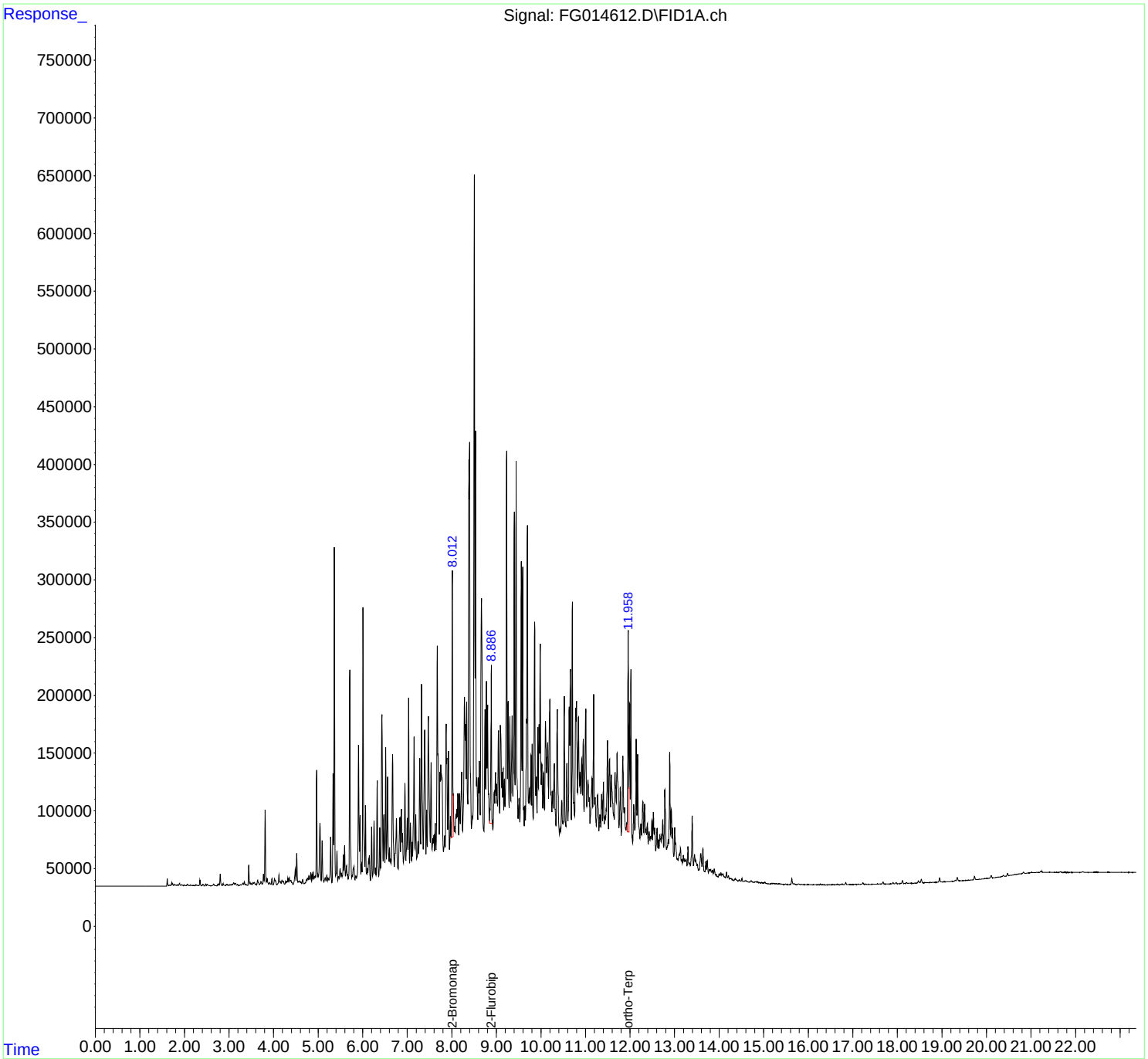
Integration File: autoint1.e
Quant Time: Nov 01 01:27:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

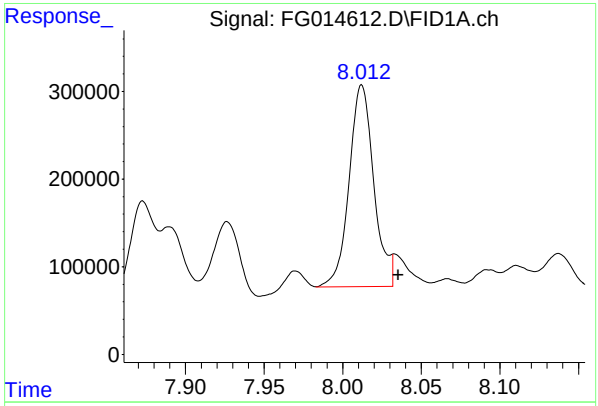
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
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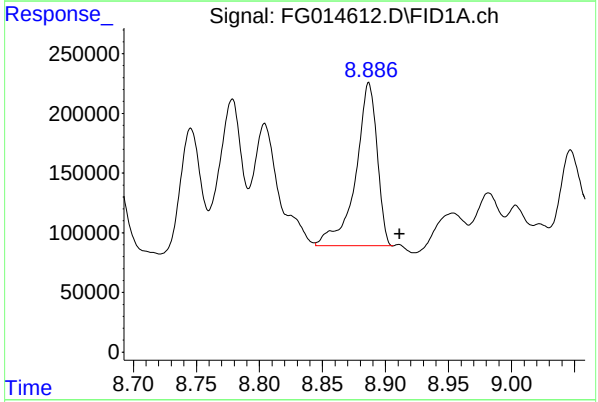
#4 2-Bromonaphthalene (SURR)

R.T.: 8.012 min
Delta R.T.: -0.024 min
Response: 2532075
Conc: 20.17 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL

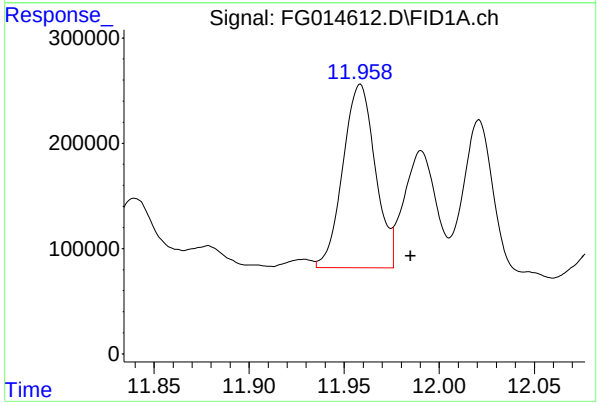
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.886 min
Delta R.T.: -0.025 min
Response: 1616731
Conc: 18.77 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.958 min
Delta R.T.: -0.027 min
Response: 2093704
Conc: 14.14 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014612.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 15:38
Sample : P4599-09DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.273	4.250	4.284	BV	2558	27534	0.33%	0.008%
2	4.296	4.284	4.307	VV	2723	31306	0.37%	0.009%
3	4.322	4.307	4.336	VV	5350	61104	0.73%	0.017%
4	4.352	4.336	4.369	VV	5998	80943	0.97%	0.022%
5	4.389	4.369	4.408	VV	3696	66550	0.79%	0.018%
6	4.415	4.408	4.436	VV	1635	14565	0.17%	0.004%
7	4.488	4.436	4.503	PV	13357	204706	2.44%	0.056%
8	4.520	4.503	4.547	VV	26949	306855	3.66%	0.084%
9	4.580	4.547	4.603	VV	2985	80338	0.96%	0.022%
10	4.615	4.603	4.632	VV	2368	28902	0.35%	0.008%
11	4.653	4.632	4.677	VV	4316	63892	0.76%	0.018%
12	4.685	4.677	4.694	VV	953	8262	0.10%	0.002%
13	4.710	4.694	4.718	VV	1494	16863	0.20%	0.005%
14	4.735	4.718	4.744	VV	4171	46280	0.55%	0.013%
15	4.761	4.744	4.777	VV	5585	97028	1.16%	0.027%
16	4.793	4.777	4.813	VV	7623	121177	1.45%	0.033%
17	4.835	4.813	4.850	VV	10574	144907	1.73%	0.040%
18	4.864	4.850	4.876	VV	8832	97148	1.16%	0.027%
19	4.889	4.876	4.909	VV	10304	143587	1.71%	0.039%
20	4.923	4.909	4.933	VV	7014	92480	1.10%	0.025%
21	4.943	4.933	4.946	VV	7312	53470	0.64%	0.015%
22	4.966	4.946	4.989	VV	98950	1031729	12.32%	0.283%
23	4.999	4.989	5.009	VV	8495	94296	1.13%	0.026%
24	5.042	5.009	5.070	VV	53301	882896	10.54%	0.242%
25	5.091	5.070	5.130	VV	38173	477286	5.70%	0.131%
26	5.159	5.130	5.177	VV	5782	117970	1.41%	0.032%
27	5.195	5.177	5.213	VV	7911	115257	1.38%	0.032%
28	5.226	5.213	5.241	VV	5621	76015	0.91%	0.021%
29	5.282	5.241	5.311	VV	41042	529814	6.33%	0.145%
30	5.337	5.311	5.348	VV	96058	946811	11.30%	0.260%
31	5.365	5.348	5.392	VV	291436	2959577	35.34%	0.811%
32	5.423	5.392	5.442	VV	29165	405385	4.84%	0.111%
33	5.459	5.442	5.474	VV	6892	110779	1.32%	0.030%
34	5.494	5.474	5.512	VV	13585	223428	2.67%	0.061%
35	5.523	5.512	5.545	VV	10159	165186	1.97%	0.045%
36	5.567	5.545	5.580	VV	25745	331802	3.96%	0.091%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL

Manual IntegrationsAPPROVED

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37	5.595	5.580	5.612	VV	33826	395634	4.72%	0.108%
38	5.637	5.612	5.653	VV	16244	280994	3	
39	5.659	5.653	5.675	VV	8789	92753	1	
40	5.711	5.675	5.753	VV	185861	2319186	27	
41	5.766	5.753	5.772	VV	8077	81732	0	
42	5.789	5.772	5.795	VV	14374	158229	1	
43	5.804	5.795	5.827	VV	15989	201654	2.41%	0.055%
44	5.847	5.827	5.861	VV	7636	125474	1.50%	0.034%
45	5.907	5.861	5.930	VV	121048	1693494	20.22%	0.464%
46	5.942	5.930	5.961	VV	59960	662444	7.91%	0.182%
47	5.975	5.961	5.987	VV	18283	216657	2.59%	0.059%
48	6.008	5.987	6.048	VV	239856	2988321	35.68%	0.819%
49	6.064	6.048	6.094	VV	68478	806363	9.63%	0.221%
50	6.108	6.094	6.118	VV	14260	170452	2.04%	0.047%
51	6.132	6.118	6.140	VV	20970	219044	2.62%	0.060%
52	6.150	6.140	6.176	VV	25252	313108	3.74%	0.086%
53	6.202	6.176	6.221	VV	50138	577007	6.89%	0.158%
54	6.256	6.221	6.274	VV	54956	748686	8.94%	0.205%
55	6.285	6.274	6.300	VV	14568	178750	2.13%	0.049%
56	6.326	6.300	6.361	VV	89907	1200536	14.33%	0.329%
57	6.384	6.361	6.402	VV	49225	620825	7.41%	0.170%
58	6.431	6.402	6.460	VV	147363	2499446	29.84%	0.685%
59	6.475	6.460	6.500	VV	60492	911544	10.88%	0.250%
60	6.518	6.500	6.535	VV	118901	1298818	15.51%	0.356%
61	6.560	6.535	6.590	VV	93504	1543794	18.43%	0.423%
62	6.604	6.590	6.617	VV	32296	420871	5.03%	0.115%
63	6.624	6.617	6.636	VV	22331	236817	2.83%	0.065%
64	6.672	6.636	6.711	VV	112776	2238567	26.73%	0.614%
65	6.758	6.711	6.798	VV	57263	1546644	18.47%	0.424%
66	6.835	6.798	6.850	VV	58157	1142071	13.64%	0.313%
67	6.870	6.850	6.885	VV	65529	1071627	12.79%	0.294%
68	6.895	6.885	6.914	VV	44765	596915	7.13%	0.164%
69	6.950	6.914	6.969	VV	87889	1423359	16.99%	0.390%
70	7.001	6.969	7.015	VV	57688	1055798	12.61%	0.289%
71	7.033	7.015	7.053	VV	161682	1835977	21.92%	0.503%
72	7.072	7.053	7.097	VV	53677	909078	10.85%	0.249%
73	7.111	7.097	7.122	VV	36814	443000	5.29%	0.121%
74	7.155	7.122	7.174	VV	127693	2019114	24.11%	0.553%
75	7.192	7.174	7.212	VV	60648	940572	11.23%	0.258%
76	7.242	7.212	7.256	VV	37493	757231	9.04%	0.208%
77	7.282	7.256	7.302	VV	109414	1735693	20.72%	0.476%
78	7.323	7.302	7.360	VV	173175	2980213	35.58%	0.817%
79	7.392	7.360	7.421	VV	134037	2839324	33.90%	0.778%
80	7.436	7.421	7.451	VV	64479	828289	9.89%	0.227%
81	7.473	7.451	7.516	VV	145527	3215238	38.39%	0.881%
82	7.536	7.516	7.557	VV	105791	1593780	19.03%	0.437%
83	7.577	7.557	7.587	VV	39862	643654	7.69%	0.176%
84	7.599	7.587	7.613	VV	42893	564778	6.74%	0.155%
85	7.629	7.613	7.646	VV	53048	800090	9.55%	0.219%
86	7.675	7.646	7.720	VV	206987	4472758	53.40%	1.226%
87	7.737	7.720	7.744	VV	97561	1068333	12.76%	0.293%
88	7.754	7.744	7.776	VV	103988	1860207	22.21%	0.510%
89	7.782	7.776	7.814	VV	93559	1368493	16.34%	0.375%

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90	7.843	7.814	7.854	VV	42356	830783	9.92%	0.228%
91	7.873	7.854	7.884	VV	139180	1729366	20	
92	7.889	7.884	7.908	VV	109718	1220312	14	
93	7.927	7.908	7.948	VV	115427	1715810	20	
94	7.970	7.948	7.983	VV	59146	949361	11	
95	8.012	7.983	8.057	VV	271720	4601823	54	
96	8.067	8.057	8.077	VV	50478	593705	7.09%	0.163%
97	8.093	8.077	8.100	VV	60496	765358	9.14%	0.210%
98	8.111	8.100	8.122	VV	65512	805113	9.61%	0.221%
99	8.137	8.122	8.156	VV	79111	1311914	15.66%	0.360%
100	8.172	8.156	8.190	VV	79000	1275126	15.22%	0.350%
101	8.222	8.190	8.243	VV	97769	2294815	27.40%	0.629%
102	8.286	8.243	8.302	VV	162401	3642929	43.50%	0.999%
103	8.310	8.302	8.323	VV	139083	1523680	18.19%	0.418%
104	8.336	8.323	8.362	VV	158415	2489076	29.72%	0.682%
105	8.384	8.362	8.392	VV	367832	4157186	49.64%	1.139%
106	8.399	8.392	8.442	VV	383349	5150009	61.49%	1.412%
107	8.466	8.442	8.473	VV	59829	1018265	12.16%	0.279%
108	8.507	8.473	8.522	VV	614386	8375379	100.00%	2.296%
109	8.534	8.522	8.554	VV	392539	4443289	53.05%	1.218%
110	8.564	8.554	8.584	VV	92879	1419693	16.95%	0.389%
111	8.598	8.584	8.607	VV	92550	1083577	12.94%	0.297%
112	8.619	8.607	8.638	VV	107237	1629829	19.46%	0.447%
113	8.667	8.638	8.721	VV	247764	6590912	78.69%	1.807%
114	8.746	8.721	8.760	VV	151626	2258633	26.97%	0.619%
115	8.778	8.760	8.792	VV	176248	2490045	29.73%	0.683%
116	8.804	8.792	8.844	VV	155666	3097899	36.99%	0.849%
117	8.887	8.844	8.923	VV	190000	4116738	49.15%	1.128%
118	8.953	8.923	8.966	VV	80625	1750746	20.90%	0.480%
119	8.982	8.966	8.995	VV	97405	1470463	17.56%	0.403%
120	9.003	8.995	9.017	VV	87167	1069157	12.77%	0.293%
121	9.022	9.017	9.030	VV	71569	516627	6.17%	0.142%
122	9.047	9.030	9.075	VV	133414	2540993	30.34%	0.696%
123	9.092	9.075	9.119	VV	137905	2928365	34.96%	0.803%
124	9.129	9.119	9.140	VV	97710	1117644	13.34%	0.306%
125	9.152	9.140	9.167	VV	100812	1361808	16.26%	0.373%
126	9.181	9.167	9.196	VV	91736	1343450	16.04%	0.368%
127	9.231	9.196	9.250	VV	375914	5827288	69.58%	1.597%
128	9.264	9.250	9.287	VV	159143	2458667	29.36%	0.674%
129	9.305	9.287	9.324	VV	145429	2356678	28.14%	0.646%
130	9.356	9.324	9.370	VV	146543	2888201	34.48%	0.792%
131	9.403	9.370	9.420	VV	322607	4861669	58.05%	1.333%
132	9.444	9.420	9.489	VV	367232	6291879	75.12%	1.725%
133	9.509	9.489	9.528	VV	75131	1538252	18.37%	0.422%
134	9.561	9.528	9.576	VV	280077	4183815	49.95%	1.147%
135	9.591	9.576	9.609	VV	274793	3296562	39.36%	0.904%
136	9.614	9.609	9.627	VV	67247	656853	7.84%	0.180%
137	9.642	9.627	9.655	VV	68510	1007859	12.03%	0.276%
138	9.697	9.655	9.728	VV	311280	6213283	74.19%	1.703%
139	9.742	9.728	9.759	VV	83262	1438911	17.18%	0.394%
140	9.778	9.759	9.791	VV	112499	1709403	20.41%	0.469%
141	9.805	9.791	9.827	VV	122014	1849611	22.08%	0.507%

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142	9.860	9.827	9.886	VV	227912	4308764	51.45%	1.181%
143	9.899	9.886	9.914	VV	93502	1348872	16	
144	9.932	9.914	9.945	VV	136259	1923103	22	
145	9.960	9.945	9.970	VV	138879	1765171	21	
146	9.985	9.970	10.008	VV	208657	3263918	38	
147	10.022	10.008	10.043	VV	104494	1843814	22	
148	10.060	10.043	10.081	VV	97222	1794500	21.43%	0.492%
149	10.105	10.081	10.129	VV	141587	3110502	37.14%	0.853%
150	10.153	10.129	10.172	VV	123281	2725430	32.54%	0.747%
151	10.202	10.172	10.223	VV	160921	3702544	44.21%	1.015%
152	10.230	10.223	10.248	VV	80084	1122194	13.40%	0.308%
153	10.262	10.248	10.278	VV	80884	1322319	15.79%	0.362%
154	10.301	10.278	10.337	VV	104710	2697395	32.21%	0.739%
155	10.367	10.337	10.416	VV	151611	3993251	47.68%	1.095%
156	10.431	10.416	10.442	VV	48711	722154	8.62%	0.198%
157	10.468	10.442	10.484	VV	73358	1511950	18.05%	0.414%
158	10.489	10.484	10.500	VV	55283	495232	5.91%	0.136%
159	10.525	10.500	10.561	VV	163169	3066659	36.62%	0.841%
160	10.583	10.561	10.608	VV	105032	2191192	26.16%	0.601%
161	10.636	10.608	10.647	VV	154284	2459658	29.37%	0.674%
162	10.662	10.647	10.685	VV	186596	2931476	35.00%	0.803%
163	10.706	10.685	10.756	VV	245035	4672741	55.79%	1.281%
164	10.780	10.756	10.790	VV	152999	2266159	27.06%	0.621%
165	10.799	10.790	10.823	VV	158882	2497163	29.82%	0.684%
166	10.844	10.823	10.869	VV	145583	3032629	36.21%	0.831%
167	10.882	10.869	10.895	VV	97654	1439601	17.19%	0.395%
168	10.916	10.895	10.934	VV	109050	2150328	25.67%	0.589%
169	10.951	10.934	10.968	VV	126164	2055024	24.54%	0.563%
170	11.007	10.968	11.029	VV	152608	3794610	45.31%	1.040%
171	11.058	11.029	11.077	VV	91016	2325796	27.77%	0.637%
172	11.085	11.077	11.103	VV	75644	1047680	12.51%	0.287%
173	11.147	11.103	11.164	VV	92492	2659047	31.75%	0.729%
174	11.185	11.164	11.205	VV	164946	2668441	31.86%	0.731%
175	11.218	11.205	11.245	VV	75709	1522589	18.18%	0.417%
176	11.272	11.245	11.303	VV	77920	2269795	27.10%	0.622%
177	11.325	11.303	11.343	VV	60713	1299043	15.51%	0.356%
178	11.364	11.343	11.383	VV	78681	1571923	18.77%	0.431%
179	11.404	11.383	11.424	VV	88871	1711487	20.43%	0.469%
180	11.438	11.424	11.450	VV	59200	905887	10.82%	0.248%
181	11.466	11.450	11.471	VV	64811	771424	9.21%	0.211%
182	11.497	11.471	11.517	VV	125108	2491944	29.75%	0.683%
183	11.542	11.517	11.564	VV	108889	2406630	28.73%	0.660%
184	11.581	11.564	11.645	VV	94791	3599170	42.97%	0.987%
185	11.665	11.645	11.693	VV	97034	2331124	27.83%	0.639%
186	11.710	11.693	11.753	VV	114040	3073608	36.70%	0.842%
187	11.782	11.753	11.803	VV	84801	1894213	22.62%	0.519%
188	11.840	11.803	11.866	VV	111881	2823246	33.71%	0.774%
189	11.878	11.866	11.914	VV	67055	1616856	19.30%	0.443%
190	11.929	11.914	11.935	VV	53958	654113	7.81%	0.179%
191	11.958	11.935	11.975	VV	220615	3151885	37.63%	0.864%
192	11.990	11.975	12.005	VV	157264	2138817	25.54%	0.586%
193	12.021	12.005	12.060	VV	186307	2892044	34.53%	0.793%
194	12.085	12.060	12.106	VV	69683	1497186	17.88%	0.410%

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195	12.138	12.106	12.155	VV	125985	2254030	26.91%	0.618%
196	12.171	12.155	12.220	VV	112809	2675690	31	
197	12.242	12.220	12.260	VV	52980	1114238	13	
198	12.289	12.260	12.309	VV	71998	1707899	20	
199	12.328	12.309	12.349	VV	70085	1330927	15	
200	12.359	12.349	12.373	VV	48050	649262	7	
201	12.391	12.373	12.408	VV	53105	968888	11.57%	0.266%
202	12.429	12.408	12.447	VV	46016	972423	11.61%	0.267%
203	12.463	12.447	12.475	VV	41874	688992	8.23%	0.189%
204	12.491	12.475	12.505	VV	55966	848654	10.13%	0.233%
205	12.523	12.505	12.543	VV	62782	1164652	13.91%	0.319%
206	12.553	12.543	12.575	VV	49268	814924	9.73%	0.223%
207	12.607	12.575	12.625	VV	48889	1137941	13.59%	0.312%
208	12.639	12.625	12.653	VV	39127	589398	7.04%	0.162%
209	12.669	12.653	12.697	VV	43361	1040423	12.42%	0.285%
210	12.711	12.697	12.719	VV	43492	535452	6.39%	0.147%
211	12.735	12.719	12.757	VV	56108	1020292	12.18%	0.280%
212	12.779	12.757	12.822	VV	82537	2072315	24.74%	0.568%
213	12.859	12.822	12.868	VV	39445	959261	11.45%	0.263%
214	12.891	12.868	12.910	VV	114901	1814952	21.67%	0.497%
215	12.926	12.910	12.942	VV	65317	1020971	12.19%	0.280%
216	12.953	12.942	12.984	VV	49330	948714	11.33%	0.260%
217	13.005	12.984	13.022	VV	49690	856015	10.22%	0.235%
218	13.025	13.022	13.053	VV	35777	544214	6.50%	0.149%
219	13.062	13.053	13.079	VV	22938	341339	4.08%	0.094%
220	13.102	13.079	13.115	VV	26434	529225	6.32%	0.145%
221	13.131	13.115	13.151	VV	32058	579506	6.92%	0.159%
222	13.163	13.151	13.178	VV	22047	338214	4.04%	0.093%
223	13.196	13.178	13.215	VV	25442	502129	6.00%	0.138%
224	13.228	13.215	13.239	VV	21564	301430	3.60%	0.083%
225	13.256	13.239	13.278	VV	22437	484282	5.78%	0.133%
226	13.300	13.278	13.325	VV	33201	661068	7.89%	0.181%
227	13.337	13.325	13.353	VV	19252	309626	3.70%	0.085%
228	13.395	13.353	13.424	VV	59735	1287208	15.37%	0.353%
229	13.446	13.424	13.465	VV	26497	551831	6.59%	0.151%
230	13.475	13.465	13.503	VV	21452	441816	5.28%	0.121%
231	13.511	13.503	13.534	VV	17942	290664	3.47%	0.080%
232	13.543	13.534	13.555	VV	13447	165407	1.97%	0.045%
233	13.586	13.555	13.615	VV	27085	750103	8.96%	0.206%
234	13.636	13.615	13.677	VV	32093	700395	8.36%	0.192%
235	13.700	13.677	13.716	VV	20640	359466	4.29%	0.099%
236	13.734	13.716	13.758	VV	21113	398444	4.76%	0.109%
237	13.781	13.758	13.795	VV	13524	280452	3.35%	0.077%
238	13.809	13.795	13.832	VV	13496	274712	3.28%	0.075%
239	13.853	13.832	13.871	VV	12819	271254	3.24%	0.074%
240	13.890	13.871	13.928	VV	13901	371805	4.44%	0.102%
241	13.937	13.928	13.956	VV	9027	139942	1.67%	0.038%
242	13.961	13.956	13.979	VV	7427	101071	1.21%	0.028%
243	14.003	13.979	14.022	VV	9550	219713	2.62%	0.060%
244	14.038	14.022	14.055	VV	10545	180691	2.16%	0.050%
245	14.083	14.055	14.110	VV	9746	293593	3.51%	0.080%
246	14.122	14.110	14.140	VV	7184	121935	1.46%	0.033%

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247	14.167	14.140	14.188	VV	11168	236561	2.82%	0.065%
248	14.209	14.188	14.229	VV	7944	168853	2	
249	14.246	14.229	14.266	VV	5689	120393	1	
250	14.270	14.266	14.326	VV	5606	167281	2	
251	14.352	14.326	14.362	VV	5264	100079	1	
252	14.367	14.362	14.424	VV	5363	158881	1	
253	14.455	14.424	14.490	VV	4529	149326	1.78%	0.041%
254	14.510	14.490	14.532	VV	5658	109343	1.31%	0.030%
255	14.539	14.532	14.551	VV	3087	34133	0.41%	0.009%
256	14.585	14.551	14.599	VV	3733	96775	1.16%	0.027%
257	14.607	14.599	14.657	VV	3674	108709	1.30%	0.030%
258	14.661	14.657	14.678	VV	2628	31402	0.37%	0.009%
259	14.717	14.678	14.744	VV	3682	118176	1.41%	0.032%
260	14.754	14.744	14.770	VV	2789	40270	0.48%	0.011%
261	14.775	14.770	14.786	VV	2208	19793	0.24%	0.005%
262	14.808	14.786	14.820	VV	2881	53919	0.64%	0.015%
263	14.834	14.820	14.852	VV	3095	52383	0.63%	0.014%
264	14.869	14.852	14.885	VV	2983	49287	0.59%	0.014%
265	14.897	14.885	14.928	VV	2092	46973	0.56%	0.013%
266	14.948	14.928	14.973	VV	2340	52864	0.63%	0.014%
267	14.993	14.973	15.010	VV	2076	40075	0.48%	0.011%
268	15.027	15.010	15.054	VV	2671	51679	0.62%	0.014%
269	15.061	15.054	15.082	VV	1425	21397	0.26%	0.006%
270	15.095	15.082	15.116	VV	1210	22184	0.26%	0.006%
271	15.123	15.116	15.129	VV	996	7423	0.09%	0.002%
272	15.137	15.129	15.147	VV	1022	10825	0.13%	0.003%
273	15.153	15.147	15.162	VV	1042	9385	0.11%	0.003%
274	15.180	15.162	15.200	VV	1596	27069	0.32%	0.007%
275	15.219	15.200	15.236	VV	1647	27309	0.33%	0.007%
276	15.257	15.236	15.280	VV	1407	29680	0.35%	0.008%
277	15.297	15.280	15.318	VV	1372	23213	0.28%	0.006%
278	15.340	15.318	15.370	VV	1256	32764	0.39%	0.009%
279	15.376	15.370	15.452	VV	904	34039	0.41%	0.009%
280	15.465	15.452	15.470	VV	588	5429	0.06%	0.001%
281	15.487	15.470	15.523	VV	992	20035	0.24%	0.005%
282	15.529	15.523	15.537	VV	429	3254	0.04%	0.001%
283	15.544	15.537	15.574	VV	426	8271	0.10%	0.002%
284	15.629	15.574	15.664	VV	5728	97610	1.17%	0.027%
285	15.669	15.664	15.719	VV	952	24995	0.30%	0.007%
286	15.730	15.719	15.739	VV	517	5472	0.07%	0.001%
287	15.781	15.739	15.824	VV	1002	33394	0.40%	0.009%
288	15.829	15.824	15.837	VV	414	2986	0.04%	0.001%
289	15.854	15.837	15.878	VV	813	13051	0.16%	0.004%
290	15.890	15.878	15.912	VV	494	8255	0.10%	0.002%
291	15.915	15.912	15.923	VV	485	2237	0.03%	0.001%
292	15.941	15.923	15.946	VV	301	3638	0.04%	0.001%
293	15.990	15.946	15.995	VV	546	12169	0.15%	0.003%
294	16.002	15.995	16.052	VV	495	12637	0.15%	0.003%
295	16.057	16.052	16.065	VV	287	2222	0.03%	0.001%
296	16.075	16.065	16.080	VV	314	2448	0.03%	0.001%
297	16.086	16.080	16.117	VV	388	6921	0.08%	0.002%
298	16.128	16.117	16.131	VV	353	2622	0.03%	0.001%
299	16.142	16.131	16.161	VV	423	6166	0.07%	0.002%

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300	16.168	16.161	16.190	VV	324	4895	0.06%	0.001%
301	16.194	16.190	16.210	VV	310	2715		
302	16.221	16.210	16.227	VV	275	2361		
303	16.233	16.227	16.252	VV	288	3723		
304	16.275	16.252	16.315	VV	884	16838		
305	16.329	16.315	16.349	VV	424	6512		
306	16.364	16.349	16.397	VV	277	4929	0.06%	0.001%
307	16.458	16.397	16.479	PV	402	11624	0.14%	0.003%
308	16.499	16.479	16.533	VV	278	6267	0.07%	0.002%
309	16.567	16.533	16.574	VV	257	4574	0.05%	0.001%
310	16.583	16.574	16.589	VV	206	1547	0.02%	0.000%
311	16.594	16.589	16.609	VV	211	1928	0.02%	0.001%
312	16.651	16.609	16.694	VV	525	14153	0.17%	0.004%
313	16.737	16.694	16.742	VV	501	7833	0.09%	0.002%
314	16.760	16.742	16.784	VV	975	14440	0.17%	0.004%
315	16.795	16.784	16.801	VV	203	1585	0.02%	0.000%
316	16.809	16.801	16.813	VV	217	1343	0.02%	0.000%
317	16.839	16.813	16.872	VV	2078	28719	0.34%	0.008%
318	16.896	16.872	16.913	VV	306	4981	0.06%	0.001%
319	16.922	16.913	16.929	VV	166	1334	0.02%	0.000%
320	16.932	16.929	16.949	VV	180	1396	0.02%	0.000%
321	16.977	16.958	16.989	VV	169	2512	0.03%	0.001%
322	16.992	16.989	17.011	VV	132	1538	0.02%	0.000%
323	17.059	17.011	17.084	VV	372	8662	0.10%	0.002%
324	17.117	17.090	17.153	VV	539	10240	0.12%	0.003%
325	17.225	17.153	17.254	VV	1482	31683	0.38%	0.009%
326	17.278	17.254	17.319	VV	641	11863	0.14%	0.003%
327	17.324	17.319	17.333	VV	141	1081	0.01%	0.000%
328	17.340	17.333	17.350	VV	149	1223	0.01%	0.000%
329	17.357	17.350	17.364	VV	174	1164	0.01%	0.000%
330	17.472	17.425	17.496	VV	205	4963	0.06%	0.001%
331	17.528	17.496	17.533	VV	166	2964	0.04%	0.001%
332	17.548	17.533	17.572	VV	252	4015	0.05%	0.001%
333	17.591	17.572	17.607	VV	280	4804	0.06%	0.001%
334	17.612	17.607	17.631	VV	245	2679	0.03%	0.001%
335	17.641	17.631	17.645	VV	244	1632	0.02%	0.000%
336	17.677	17.645	17.706	VV	1998	30204	0.36%	0.008%
337	17.722	17.716	17.735	VV	140	1063	0.01%	0.000%
338	17.777	17.735	17.817	VV	250	6856	0.08%	0.002%
339	17.837	17.817	17.842	PV	253	1429	0.02%	0.000%
340	17.859	17.842	17.874	VV	217	3087	0.04%	0.001%
341	17.902	17.874	17.932	VV	1259	18132	0.22%	0.005%
342	17.971	17.932	18.000	VV	1306	19013	0.23%	0.005%
343	18.058	18.027	18.067	PV	147	2442	0.03%	0.001%
344	18.114	18.067	18.145	VV	2811	44248	0.53%	0.012%
345	18.166	18.145	18.174	PV	135	1712	0.02%	0.000%
346	18.203	18.174	18.235	VV	864	11920	0.14%	0.003%

Sum of corrected areas: 364839598

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-9DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-09DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.4	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050956.D	50	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	151		21.4	56.4	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	503		13.5	37.6	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	288		16.9	56.4	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	45.1	U	45.1	75.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	101	U	101	112	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:	P4599-09DL2	Acq On:	31 Oct 2024 21:36
Client Sample ID:	EX-1-TPH-9DL2	Operator:	YP\AJ
Data file:	FE050956.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	3.144	6.761	5775375	40.416	300	ug/ml
Aliphatic C12-C16	6.762	10.193	19437771	133.944	200	ug/ml
Aliphatic C16-C21	10.194	13.552	11093230	76.822	300	ug/ml
Aliphatic C21-C28	13.553	17.208	550485	3.872	400	ug/ml
Aliphatic C28-C40	17.209	22.054	63994	0.463	600	ug/ml
Aliphatic EPH	3.144	22.054	36920855	255.517		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	3.144	17.208	36856861	255.054	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050956.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 21:36
Operator : YP\AJ
Sample : P4599-09DL2 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:44:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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.

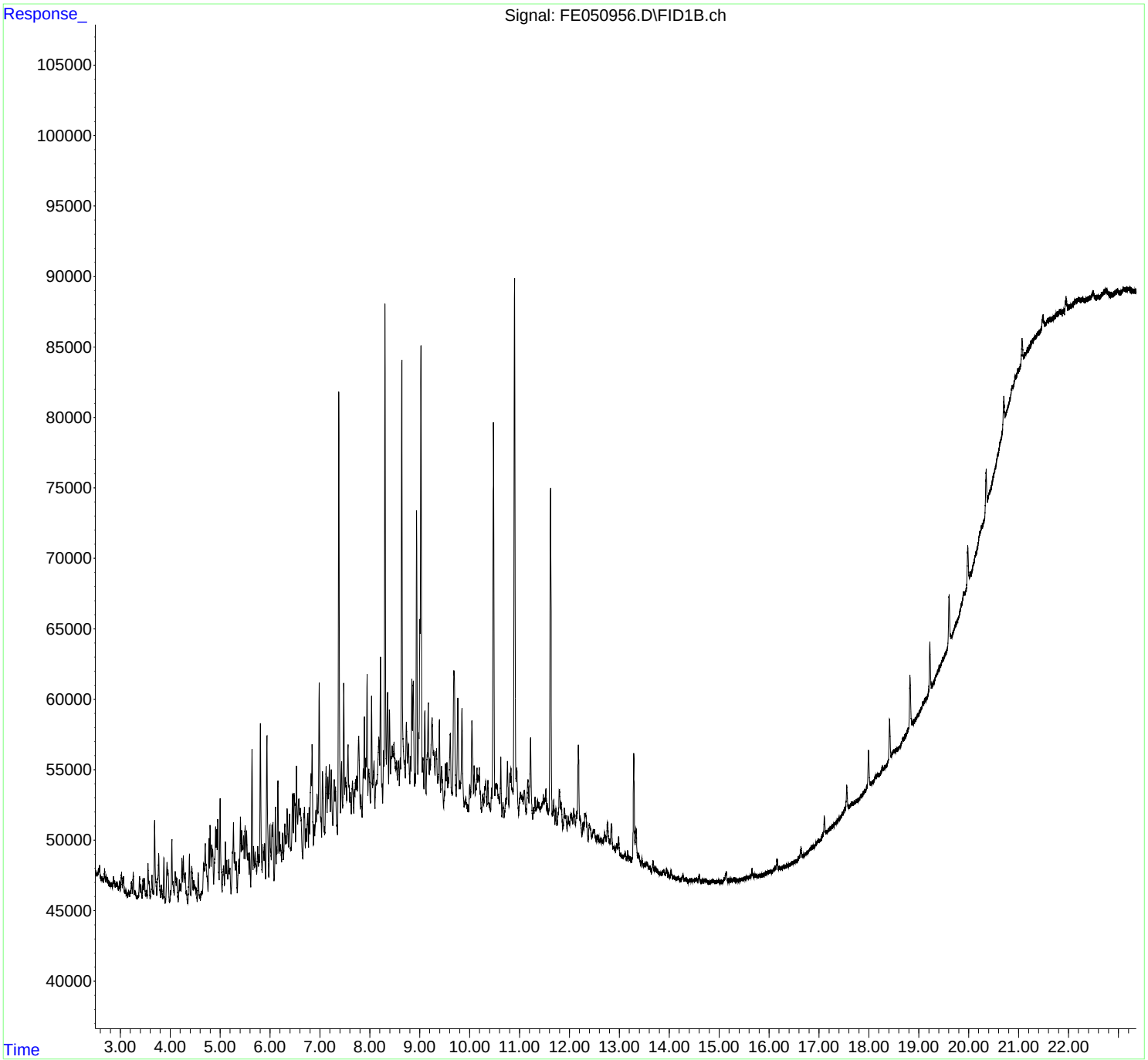
Quantitation Report (QT Reviewed)

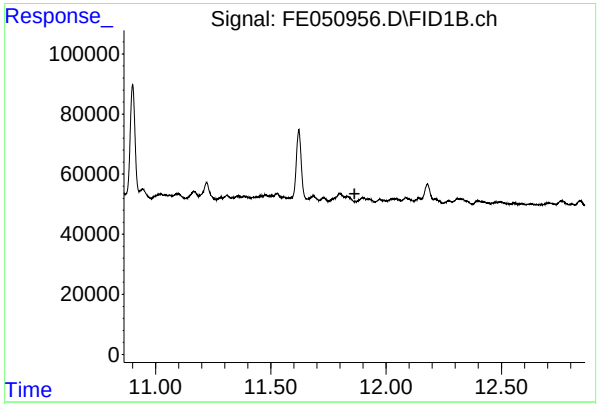
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050956.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 21:36
Operator : YP\AJ
Sample : P4599-09DL2 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9DL2

Integration File: autoint1.e
Quant Time: Nov 01 03:44:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

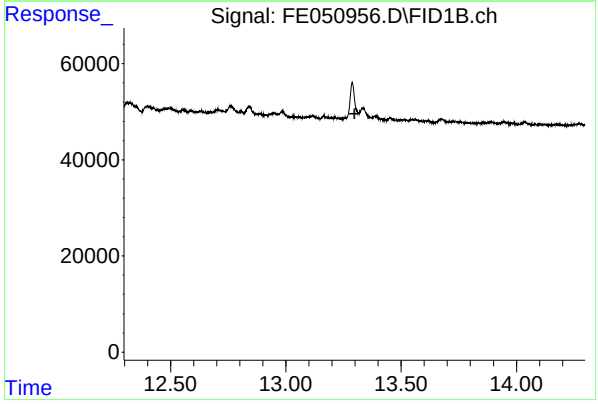




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-1-TPH-9DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.298 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050956.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 21:36
Sample : P4599-09DL2 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.223	3.204	3.244	BV	715	7973	0.82%	0.022%
2	3.259	3.244	3.281	VV	1489	15336	1.58%	0.042%
3	3.287	3.281	3.344	VV	252	3233	0.33%	0.009%
4	3.384	3.344	3.400	PV	1438	17663	1.82%	0.048%
5	3.413	3.400	3.434	VV	970	12038	1.24%	0.033%
6	3.454	3.434	3.468	VV	1413	17422	1.80%	0.047%
7	3.484	3.468	3.510	VV	1413	19811	2.04%	0.054%
8	3.523	3.510	3.535	VV	498	5615	0.58%	0.015%
9	3.555	3.535	3.601	VV	2498	42567	4.39%	0.115%
10	3.633	3.601	3.668	VV	1714	33816	3.49%	0.092%
11	3.687	3.668	3.730	VV	5571	84624	8.72%	0.229%
12	3.769	3.730	3.804	VV	3387	68763	7.09%	0.186%
13	3.823	3.804	3.854	VV	1098	19959	2.06%	0.054%
14	3.873	3.854	3.902	VV	3058	32369	3.34%	0.088%
15	3.936	3.902	3.984	PV	2821	67210	6.93%	0.182%
16	4.032	3.984	4.081	VV	4434	77218	7.96%	0.209%
17	4.101	4.081	4.120	VV	2171	35818	3.69%	0.097%
18	4.131	4.120	4.160	VV	1633	23019	2.37%	0.062%
19	4.183	4.160	4.194	VV	1565	18694	1.93%	0.051%
20	4.205	4.194	4.216	VV	1235	13701	1.41%	0.037%
21	4.234	4.216	4.247	VV	2967	35309	3.64%	0.096%
22	4.263	4.247	4.280	VV	3275	45052	4.64%	0.122%
23	4.299	4.280	4.346	VV	2046	45690	4.71%	0.124%
24	4.384	4.346	4.406	PV	3300	46574	4.80%	0.126%
25	4.432	4.406	4.458	VV	2513	47701	4.92%	0.129%
26	4.473	4.458	4.514	VV	1510	37604	3.88%	0.102%
27	4.523	4.514	4.540	VV	928	9472	0.98%	0.026%
28	4.561	4.540	4.602	VV	2055	32074	3.31%	0.087%
29	4.621	4.602	4.632	VV	687	8761	0.90%	0.024%
30	4.671	4.632	4.684	VV	2624	48954	5.05%	0.133%
31	4.701	4.684	4.757	VV	4099	104674	10.79%	0.284%
32	4.775	4.757	4.786	VV	4441	48395	4.99%	0.131%
33	4.799	4.786	4.818	VV	5351	73582	7.59%	0.199%
34	4.833	4.818	4.871	VV	3871	96390	9.94%	0.261%
35	4.910	4.871	4.920	VV	5257	97799	10.08%	0.265%
36	4.930	4.920	4.941	VV	5029	55033	5.67%	0.149%

rteres

37	4.953	4.941	4.980	VV	5838	83871	8.65%	0.227%
38	5.000	4.980	5.039	VV	7261	116259	11.98%	0.315%
39	5.070	5.039	5.087	VV	2550	51196	5.28%	0.139%
40	5.105	5.087	5.122	VV	4167	56448	5.82%	0.153%
41	5.133	5.122	5.154	VV	2839	42471	4.38%	0.115%
42	5.172	5.154	5.185	VV	2914	41675	4.30%	0.113%
43	5.196	5.185	5.219	VV	2296	31481	3.25%	0.085%
44	5.267	5.219	5.282	VV	5530	113325	11.68%	0.307%
45	5.290	5.282	5.305	VV	3432	38928	4.01%	0.105%
46	5.323	5.305	5.344	VV	2802	47479	4.89%	0.129%
47	5.375	5.344	5.387	VV	2889	51882	5.35%	0.141%
48	5.408	5.387	5.421	VV	5906	85043	8.77%	0.230%
49	5.431	5.421	5.458	VV	4889	87922	9.06%	0.238%
50	5.469	5.458	5.482	VV	4526	57122	5.89%	0.155%
51	5.501	5.482	5.517	VV	5251	89507	9.23%	0.242%
52	5.531	5.517	5.556	VV	4874	89652	9.24%	0.243%
53	5.566	5.556	5.581	VV	3346	41680	4.30%	0.113%
54	5.594	5.581	5.613	VV	3344	44462	4.58%	0.120%
55	5.639	5.613	5.659	VV	10630	140599	14.49%	0.381%
56	5.672	5.659	5.689	VV	3786	53699	5.54%	0.145%
57	5.703	5.689	5.733	VV	3382	69732	7.19%	0.189%
58	5.755	5.733	5.769	VV	3784	62445	6.44%	0.169%
59	5.807	5.769	5.841	VV	12447	227410	23.44%	0.616%
60	5.859	5.841	5.880	VV	3885	74033	7.63%	0.201%
61	5.892	5.880	5.909	VV	3938	51932	5.35%	0.141%
62	5.938	5.909	5.975	VV	11633	219020	22.58%	0.593%
63	5.997	5.975	6.024	VV	5264	103167	10.63%	0.279%
64	6.058	6.024	6.082	VV	5404	135885	14.01%	0.368%
65	6.108	6.082	6.124	VV	6501	91022	9.38%	0.247%
66	6.158	6.124	6.178	VV	8373	157143	16.20%	0.426%
67	6.190	6.178	6.231	VV	4663	116974	12.06%	0.317%
68	6.250	6.231	6.271	VV	4530	86753	8.94%	0.235%
69	6.296	6.271	6.326	VV	5290	140497	14.48%	0.381%
70	6.344	6.326	6.368	VV	6304	124542	12.84%	0.337%
71	6.390	6.368	6.421	VV	6025	143814	14.82%	0.390%
72	6.452	6.421	6.469	VV	7380	154121	15.89%	0.417%
73	6.484	6.469	6.512	VV	7379	157648	16.25%	0.427%
74	6.530	6.512	6.555	VV	9208	173097	17.84%	0.469%
75	6.577	6.555	6.593	VV	6933	147863	15.24%	0.400%
76	6.606	6.593	6.656	VV	6324	186668	19.24%	0.506%
77	6.691	6.656	6.708	VV	6463	156017	16.08%	0.423%
78	6.720	6.708	6.731	VV	4893	60570	6.24%	0.164%
79	6.755	6.731	6.770	VV	5974	120408	12.41%	0.326%
80	6.784	6.770	6.795	VV	6383	77255	7.96%	0.209%
81	6.844	6.795	6.871	VV	10867	336143	34.65%	0.910%
82	6.886	6.871	6.896	VV	5228	68196	7.03%	0.185%
83	6.919	6.896	6.929	VV	6191	107463	11.08%	0.291%
84	6.945	6.929	6.959	VV	7249	116897	12.05%	0.317%
85	6.986	6.959	7.034	VV	15223	366174	37.75%	0.992%
86	7.053	7.034	7.097	VV	8797	235618	24.29%	0.638%
87	7.125	7.097	7.144	VV	9206	198202	20.43%	0.537%
88	7.158	7.144	7.170	VV	8542	119871	12.36%	0.325%
89	7.190	7.170	7.209	VV	9374	181327	18.69%	0.491%

90	7.229	7.209	7.258	VV	9030	207889	21.43%	0.563%
91	7.287	7.258	7.301	VV	8280	179601	18.51%	0.486%
92	7.313	7.301	7.351	VV	7758	183162	18.88%	0.496%
93	7.379	7.351	7.414	VV	35898	569910	58.75%	1.544%
94	7.434	7.414	7.454	VV	9529	186636	19.24%	0.506%
95	7.478	7.454	7.498	VV	15119	262402	27.05%	0.711%
96	7.509	7.498	7.535	VV	8453	174646	18.00%	0.473%
97	7.563	7.535	7.598	VV	10708	321781	33.17%	0.872%
98	7.609	7.598	7.628	VV	7323	121698	12.55%	0.330%
99	7.652	7.628	7.678	VV	8123	212720	21.93%	0.576%
100	7.713	7.678	7.723	VV	8207	201600	20.78%	0.546%
101	7.737	7.723	7.751	VV	8462	134691	13.88%	0.365%
102	7.777	7.751	7.809	VV	11326	311845	32.15%	0.845%
103	7.822	7.809	7.844	VV	7173	139216	14.35%	0.377%
104	7.891	7.844	7.908	VV	12652	338214	34.86%	0.916%
105	7.945	7.908	7.963	VV	15621	352062	36.29%	0.954%
106	7.980	7.963	8.011	VV	8932	233361	24.06%	0.632%
107	8.036	8.011	8.057	VV	14058	265174	27.34%	0.718%
108	8.083	8.057	8.102	VV	9435	226172	23.31%	0.613%
109	8.139	8.102	8.146	VV	8114	201141	20.73%	0.545%
110	8.182	8.146	8.197	VV	11171	297156	30.63%	0.805%
111	8.215	8.197	8.257	VV	16885	384524	39.64%	1.041%
112	8.305	8.257	8.331	VV	41823	730076	75.26%	1.977%
113	8.354	8.331	8.377	VV	14298	312462	32.21%	0.846%
114	8.395	8.377	8.416	VV	13142	245605	25.32%	0.665%
115	8.447	8.416	8.466	VV	10539	298416	30.76%	0.808%
116	8.484	8.466	8.521	VV	10830	322547	33.25%	0.874%
117	8.533	8.521	8.551	VV	9493	159583	16.45%	0.432%
118	8.575	8.551	8.592	VV	9458	221713	22.86%	0.601%
119	8.641	8.592	8.711	VV	37934	970084	100.00%	2.627%
120	8.733	8.711	8.755	VV	12176	278218	28.68%	0.754%
121	8.774	8.755	8.801	VV	10569	263136	27.13%	0.713%
122	8.843	8.801	8.855	VV	15196	350722	36.15%	0.950%
123	8.870	8.855	8.898	VV	15064	306694	31.62%	0.831%
124	8.908	8.898	8.916	VV	8462	91885	9.47%	0.249%
125	8.938	8.916	8.963	VV	27164	429288	44.25%	1.163%
126	9.025	8.963	9.052	VV	38840	939580	96.86%	2.545%
127	9.063	9.052	9.082	VV	9574	163259	16.83%	0.442%
128	9.103	9.082	9.126	VV	12950	260582	26.86%	0.706%
129	9.171	9.126	9.190	VV	13529	379946	39.17%	1.029%
130	9.204	9.190	9.214	VV	9488	136387	14.06%	0.369%
131	9.247	9.214	9.273	VV	12411	379174	39.09%	1.027%
132	9.280	9.273	9.305	VV	10100	187903	19.37%	0.509%
133	9.336	9.305	9.362	VV	10193	312980	32.26%	0.848%
134	9.394	9.362	9.419	VV	12267	320542	33.04%	0.868%
135	9.437	9.419	9.479	VV	8827	276834	28.54%	0.750%
136	9.517	9.479	9.531	VV	9055	241836	24.93%	0.655%
137	9.546	9.531	9.562	VV	9169	158100	16.30%	0.428%
138	9.613	9.562	9.648	VV	11325	446341	46.01%	1.209%
139	9.690	9.648	9.731	VV	15557	534052	55.05%	1.446%
140	9.765	9.731	9.794	VV	13797	373563	38.51%	1.012%
141	9.805	9.794	9.818	VV	7838	106828	11.01%	0.289%

142	9.847	9.818	9.892	VV	12967	387631	39.96%	1.050%
143	9.924	9.892	9.960	VV	6662	257637	26.56%	0.698%
144	9.970	9.960	9.980	VV	6096	72216	7.44%	0.196%
145	10.002	9.980	10.020	VV	7504	163329	16.84%	0.442%
146	10.047	10.020	10.078	VV	12023	318280	32.81%	0.862%
147	10.092	10.078	10.110	VV	8845	153900	15.86%	0.417%
148	10.148	10.110	10.162	VV	8683	242064	24.95%	0.656%
149	10.172	10.162	10.180	VV	8178	84392	8.70%	0.229%
150	10.193	10.180	10.236	VV	8757	247239	25.49%	0.670%
151	10.263	10.236	10.280	VV	6844	168685	17.39%	0.457%
152	10.322	10.280	10.345	VV	7779	272795	28.12%	0.739%
153	10.366	10.345	10.392	VV	7817	192335	19.83%	0.521%
154	10.402	10.392	10.418	VV	6157	97385	10.04%	0.264%
155	10.478	10.418	10.508	VV	33151	715682	73.78%	1.938%
156	10.522	10.508	10.531	VV	7428	102619	10.58%	0.278%
157	10.540	10.531	10.604	VV	7611	305202	31.46%	0.827%
158	10.626	10.604	10.649	VV	9155	191194	19.71%	0.518%
159	10.668	10.649	10.693	VV	6158	149813	15.44%	0.406%
160	10.759	10.693	10.787	VV	9056	378918	39.06%	1.026%
161	10.807	10.787	10.817	VV	8319	132893	13.70%	0.360%
162	10.828	10.817	10.871	VV	8622	245818	25.34%	0.666%
163	10.901	10.871	10.931	VV	43396	759680	78.31%	2.058%
164	10.944	10.931	10.982	VV	8676	218083	22.48%	0.591%
165	11.022	10.982	11.073	VV	6864	351927	36.28%	0.953%
166	11.097	11.073	11.132	VV	6992	224764	23.17%	0.609%
167	11.167	11.132	11.188	VV	7751	226685	23.37%	0.614%
168	11.222	11.188	11.264	VV	10768	332860	34.31%	0.902%
169	11.283	11.264	11.292	VV	5765	92227	9.51%	0.250%
170	11.310	11.292	11.328	VV	6468	130979	13.50%	0.355%
171	11.358	11.328	11.374	VV	6234	163094	16.81%	0.442%
172	11.386	11.374	11.413	VV	6143	136551	14.08%	0.370%
173	11.476	11.413	11.492	VV	6553	285687	29.45%	0.774%
174	11.527	11.492	11.578	VV	7083	315407	32.51%	0.854%
175	11.621	11.578	11.660	VV	28325	594484	61.28%	1.610%
176	11.685	11.660	11.711	VV	6219	167904	17.31%	0.455%
177	11.728	11.711	11.750	VV	5690	118292	12.19%	0.320%
178	11.799	11.750	11.823	VV	6981	255733	26.36%	0.693%
179	11.833	11.823	11.864	VV	6046	131428	13.55%	0.356%
180	11.899	11.864	11.919	VV	5563	162938	16.80%	0.441%
181	11.927	11.919	11.954	VV	5134	99867	10.29%	0.270%
182	11.973	11.954	12.003	VV	4978	134901	13.91%	0.365%
183	12.030	12.003	12.064	VV	5223	184066	18.97%	0.499%
184	12.086	12.064	12.121	VV	5612	169592	17.48%	0.459%
185	12.142	12.121	12.151	VV	5407	91139	9.40%	0.247%
186	12.179	12.151	12.251	VV	10105	356508	36.75%	0.966%
187	12.271	12.251	12.287	VV	4546	91904	9.47%	0.249%
188	12.312	12.287	12.374	VV	5196	237748	24.51%	0.644%
189	12.398	12.374	12.450	VV	4501	183521	18.92%	0.497%
190	12.494	12.450	12.535	VV	4058	191859	19.78%	0.520%
191	12.556	12.535	12.574	VV	3707	83163	8.57%	0.225%
192	12.588	12.574	12.606	VV	3575	65314	6.73%	0.177%
193	12.629	12.606	12.658	VV	3421	101232	10.44%	0.274%
194	12.705	12.658	12.736	VV	3791	160602	16.56%	0.435%

195	12.761	12.736	12.798	VV	4506	140077	14.44%	0.379%
196	12.804	12.798	12.818	VV	3317	40018	4.13%	0.108%
197	12.841	12.818	12.874	VV	4416	118227	12.19%	0.320%
198	12.890	12.874	12.920	VV	2834	73726	7.60%	0.200%
199	12.945	12.920	12.967	VV	3017	79446	8.19%	0.215%
200	12.984	12.967	13.080	VV	3444	165490	17.06%	0.448%
201	13.116	13.080	13.144	VV	2365	82612	8.52%	0.224%
202	13.165	13.144	13.191	VV	2400	57741	5.95%	0.156%
203	13.212	13.191	13.238	VV	2024	53211	5.49%	0.144%
204	13.288	13.238	13.316	VV	9270	189851	19.57%	0.514%
205	13.334	13.316	13.368	VV	3956	94902	9.78%	0.257%
206	13.386	13.368	13.433	VV	2241	74052	7.63%	0.201%
207	13.452	13.433	13.487	VV	1961	52870	5.45%	0.143%
208	13.513	13.487	13.530	VV	1560	37734	3.89%	0.102%
209	13.552	13.530	13.600	VV	1576	59795	6.16%	0.162%
210	13.613	13.600	13.643	VV	1301	29668	3.06%	0.080%
211	13.675	13.643	13.708	VV	1679	49405	5.09%	0.134%
212	13.723	13.708	13.744	VV	1207	24400	2.52%	0.066%
213	13.757	13.744	13.804	VV	1074	32963	3.40%	0.089%
214	13.824	13.804	13.846	VV	844	20183	2.08%	0.055%
215	13.891	13.846	13.921	VV	1032	37997	3.92%	0.103%
216	13.946	13.921	13.974	VV	1047	26909	2.77%	0.073%
217	13.982	13.974	14.010	VV	764	13876	1.43%	0.038%
218	14.036	14.010	14.072	VV	1019	24923	2.57%	0.068%
219	14.082	14.072	14.095	VV	553	6508	0.67%	0.018%
220	14.118	14.095	14.137	VV	497	11448	1.18%	0.031%
221	14.155	14.137	14.163	VV	474	6301	0.65%	0.017%
222	14.177	14.163	14.228	VV	501	13894	1.43%	0.038%
223	14.271	14.228	14.298	VV	697	17936	1.85%	0.049%
224	14.330	14.298	14.383	VV	387	13682	1.41%	0.037%
225	14.411	14.383	14.436	VV	283	7629	0.79%	0.021%
226	14.457	14.436	14.501	VV	282	9057	0.93%	0.025%
227	14.512	14.501	14.525	VV	294	3491	0.36%	0.009%
228	14.550	14.525	14.574	VV	407	7933	0.82%	0.021%
229	14.600	14.574	14.648	VV	595	12067	1.24%	0.033%
230	14.666	14.648	14.717	VV	196	7025	0.72%	0.019%
231	14.727	14.717	14.798	VV	225	5848	0.60%	0.016%
232	14.821	14.798	14.837	VV	102	1507	0.16%	0.004%
233	14.846	14.837	14.858	VV	155	1239	0.13%	0.003%
234	14.885	14.858	14.936	VV	186	4481	0.46%	0.012%
235	14.987	14.936	15.025	VV	131	4009	0.41%	0.011%
236	15.138	15.025	15.171	PV	685	20520	2.12%	0.056%
237	15.182	15.171	15.230	VV	184	3275	0.34%	0.009%
238	15.243	15.230	15.259	VV	137	1139	0.12%	0.003%
239	15.307	15.259	15.369	PV	164	5785	0.60%	0.016%
240	15.475	15.369	15.484	VV	67	1995	0.21%	0.005%
241	15.513	15.484	15.528	PV	118	2054	0.21%	0.006%
242	15.550	15.528	15.588	VV	200	3361	0.35%	0.009%
243	15.658	15.588	15.701	VV	595	14837	1.53%	0.040%
244	15.722	15.701	15.788	VV	195	5286	0.54%	0.014%
245	15.870	15.788	15.901	PV	94	4833	0.50%	0.013%
246	15.913	15.901	15.928	PV	118	1239	0.13%	0.003%

					rteres			
247	15.964	15.928	15.994	VV	213	4928	0.51%	0.013%
248	16.033	15.994	16.050	VV	177	3852	0.40%	0.010%
249	16.118	16.050	16.134	VV	367	9077	0.94%	0.025%
250	16.159	16.134	16.201	VV	796	15384	1.59%	0.042%
251	16.221	16.201	16.234	VV	154	2278	0.23%	0.006%
252	16.272	16.234	16.280	VV	135	2132	0.22%	0.006%
253	16.295	16.280	16.311	VV	149	1649	0.17%	0.004%
254	16.412	16.311	16.436	PV	74	3649	0.38%	0.010%
255	16.639	16.436	16.691	PV	718	15253	1.57%	0.041%
256	16.992	16.691	17.021	PV	162	7105	0.73%	0.019%
257	17.107	17.021	17.162	PV	1293	26475	2.73%	0.072%
258	17.556	17.162	17.608	VV	1837	55741	5.75%	0.151%
259	17.666	17.608	17.683	VV	226	8253	0.85%	0.022%
			Sum of corrected areas:			36920853		

Aliphatic EPH 100824.M Fri Nov 01 09:11:22 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	North Point		Date Received:	10/28/24	
Client Sample ID:	EX-1-TPH-9DL2		SDG No.:	P4599	
Lab Sample ID:	P4599-09DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.4	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014613.D	20	10/30/24	10/31/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	56.2		6.77	15.0	mg/kg
Aromatic C12-C16	Aromatic C12-C16	316		7.67	22.6	mg/kg
Aromatic C16-C21	Aromatic C16-C21	493		21.7	37.6	mg/kg
Aromatic C21-C36	Aromatic C21-C36	20.8	J	45.1	60.2	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	5.43		40 - 140	217%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	4.99		40 - 140	200%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.82		40 - 140	153%	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:	P4599-09DL2	Acq On:	31 Oct 2024 16:06
Client Sample ID:	EX-1-TPH-9DL2	Operator:	YP\AJ
Data file:	FG014613.D	Misc:	
Instrument:	FID_G	ALS Vial:	47
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.516	6.385	5214290	37.38	200	ug/ml
Aromatic C12-C16	6.386	9.086	30622179	210.53	300	ug/ml
Aromatic C16-C21	9.087	13.404	47546819	328.3	500	ug/ml
Aromatic C21-C36	13.405	18.847	1969895	13.859	800	ug/ml
Aromatic EPH	4.516	18.847	85353183	590.069		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	681074	5.43		ug/ml
2-Flurobiphenyl (SURR)	8.883	8.883	430065	4.99		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	565654	3.82		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014613.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 16:06
Operator : YP\AJ
Sample : P4599-09DL2 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 01 01:27:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	681074	5.425 ug/mlm
Spiked Amount 50.000		Recovery =	10.85%
6) S 2-Flurobiphenyl (SURR)	8.883	430065	4.993 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	9.99%
11) S ortho-Terphenyl (SURR)	11.954	565654	3.820 ug/mlm
Spiked Amount 50.000		Recovery =	7.64%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014613.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 16:06
Operator : YP\AJ
Sample : P4599-09DL2 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

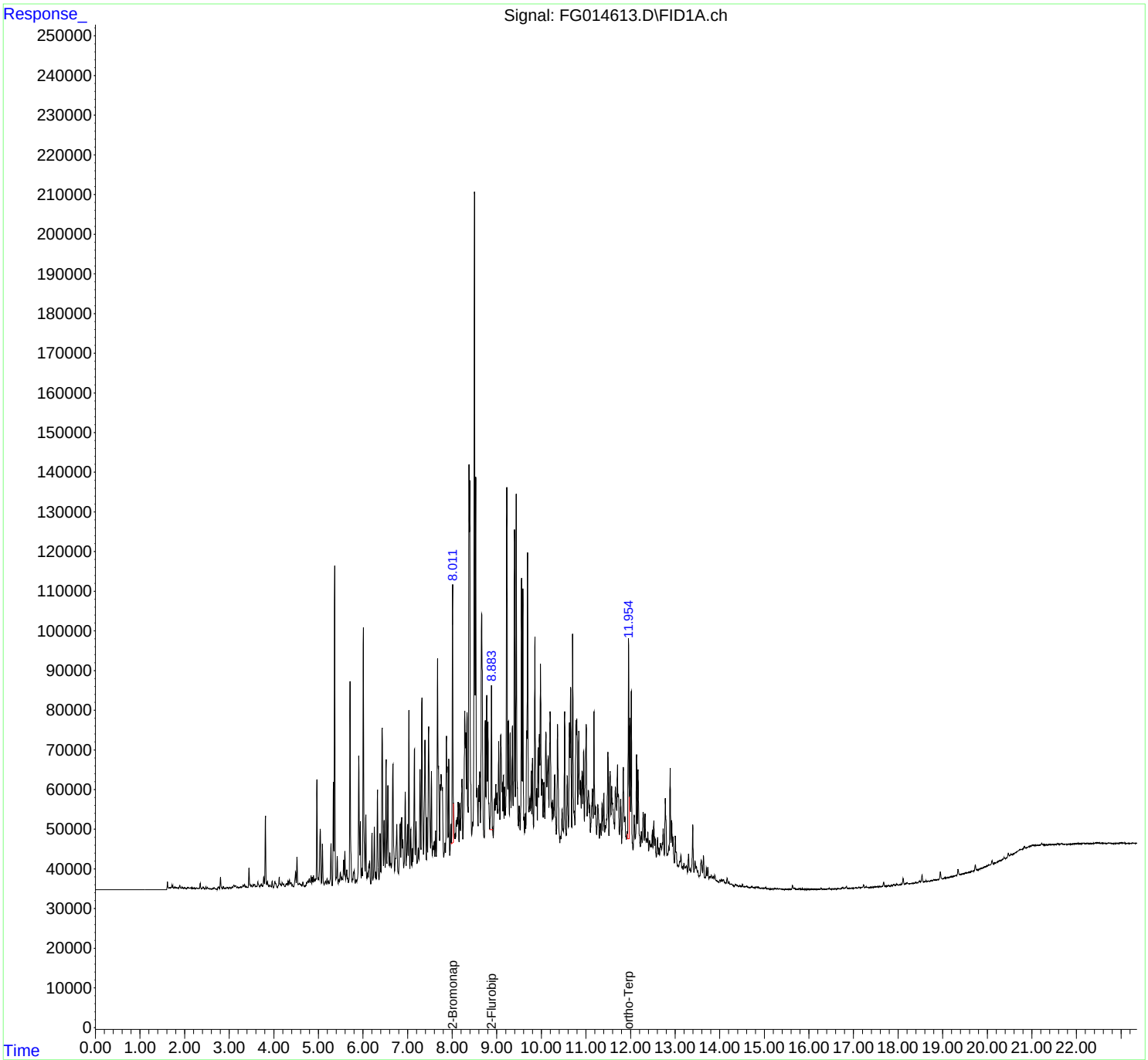
Integration File: autoint1.e
Quant Time: Nov 01 01:27:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

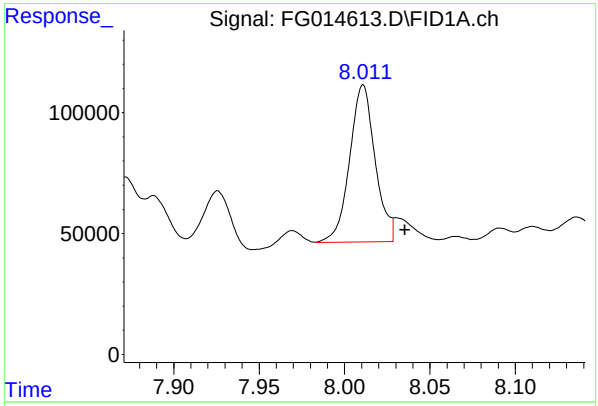
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024





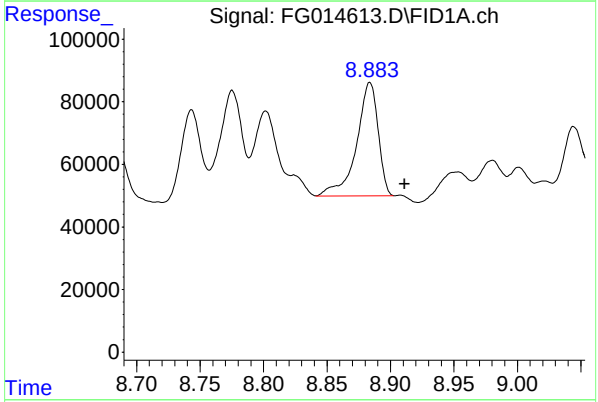
#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.025 min
Response: 681074
Conc: 5.43 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL2

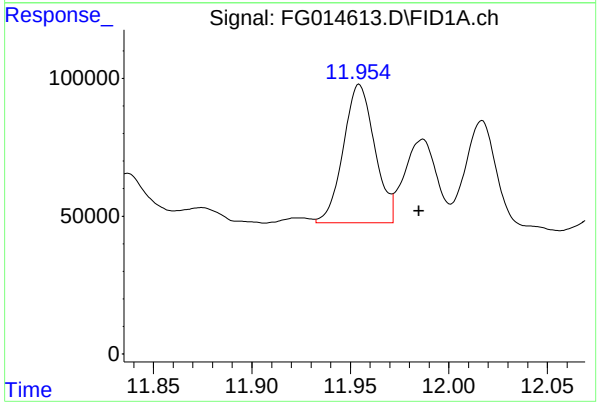
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.883 min
Delta R.T.: -0.028 min
Response: 430065
Conc: 4.99 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.031 min
Response: 565654
Conc: 3.82 ug/ml m

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014613.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 16:06
Sample : P4599-09DL2 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.285	BV	719	7950	0.36%	0.009%
2	4.295	4.285	4.307	VV	774	8718	0.39%	0.010%
3	4.352	4.336	4.370	VV	1744	23583	1.06%	0.027%
4	4.390	4.370	4.409	VV	1089	18941	0.85%	0.022%
5	4.489	4.445	4.504	VV	3749	56800	2.55%	0.066%
6	4.521	4.504	4.548	VV	7501	85106	3.82%	0.098%
7	4.577	4.570	4.605	VV	855	13451	0.60%	0.016%
8	4.654	4.632	4.677	VV	1165	15879	0.71%	0.018%
9	4.763	4.746	4.779	VV	1428	23345	1.05%	0.027%
10	4.794	4.779	4.814	VV	1928	29739	1.34%	0.034%
11	4.836	4.814	4.850	VV	2760	35808	1.61%	0.041%
12	4.864	4.850	4.876	VV	2321	24105	1.08%	0.028%
13	4.890	4.876	4.909	VV	2704	37048	1.66%	0.043%
14	4.924	4.909	4.934	VV	1797	22916	1.03%	0.026%
15	4.967	4.934	4.990	VV	26885	295010	13.25%	0.340%
16	5.000	4.990	5.010	VV	2118	23252	1.04%	0.027%
17	5.092	5.071	5.130	VV	10645	122229	5.49%	0.141%
18	5.160	5.130	5.177	VV	1266	22847	1.03%	0.026%
19	5.283	5.243	5.310	VV	10677	127461	5.72%	0.147%
20	5.337	5.310	5.349	PV	26123	251919	11.31%	0.291%
21	5.365	5.349	5.392	VV	80620	805065	36.16%	0.929%
22	5.424	5.392	5.443	VV	7437	97770	4.39%	0.113%
23	5.461	5.443	5.474	VV	1468	20450	0.92%	0.024%
24	5.523	5.512	5.547	VV	2092	35305	1.59%	0.041%
25	5.567	5.547	5.580	VV	6430	77428	3.48%	0.089%
26	5.595	5.580	5.613	VV	8585	97204	4.37%	0.112%
27	5.638	5.613	5.653	VV	3904	61445	2.76%	0.071%
28	5.711	5.674	5.753	VV	51357	607943	27.30%	0.702%
29	5.767	5.753	5.773	VV	1489	14539	0.65%	0.017%
30	5.790	5.773	5.796	VV	3280	34073	1.53%	0.039%
31	5.805	5.796	5.827	VV	3608	40162	1.80%	0.046%
32	5.845	5.827	5.860	VV	1293	18557	0.83%	0.021%
33	5.907	5.860	5.930	VV	32465	433403	19.46%	0.500%
34	5.942	5.930	5.961	VV	15948	168460	7.57%	0.194%
35	5.975	5.961	5.987	VV	4140	46688	2.10%	0.054%
36	6.008	5.987	6.048	VV	64692	792465	35.59%	0.914%

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37	6.064	6.048	6.095	VV	17544	198674	8.92%	0.229%
38	6.109	6.095	6.118	VV	2971	31574	1	
39	6.132	6.118	6.140	VV	4793	48760	2	
40	6.151	6.140	6.177	VV	5953	64928	2	
41	6.285	6.274	6.301	PV	1468	10996	0	
42	6.326	6.301	6.360	PV	22630	254631	11	
43	6.384	6.360	6.403	PV	11732	123655	5.55%	0.143%
44	6.430	6.403	6.460	VV	38360	623924	28.02%	0.720%
45	6.476	6.460	6.500	VV	15069	205532	9.23%	0.237%
46	6.518	6.500	6.535	VV	30488	317605	14.26%	0.367%
47	6.560	6.535	6.590	VV	23900	362596	16.28%	0.418%
48	6.604	6.590	6.618	VV	6944	85988	3.86%	0.099%
49	6.623	6.618	6.637	VV	4222	43148	1.94%	0.050%
50	6.672	6.637	6.711	VV	29280	532019	23.89%	0.614%
51	6.759	6.711	6.798	VV	14174	323794	14.54%	0.374%
52	6.835	6.798	6.850	VV	14243	257167	11.55%	0.297%
53	6.870	6.850	6.885	VV	15997	255089	11.46%	0.294%
54	6.894	6.885	6.915	VV	10333	130389	5.86%	0.150%
55	6.949	6.915	6.968	VV	22389	327225	14.70%	0.378%
56	7.001	6.968	7.015	VV	14211	241500	10.85%	0.279%
57	7.032	7.015	7.053	VV	42999	457746	20.56%	0.528%
58	7.072	7.053	7.097	VV	12985	202493	9.09%	0.234%
59	7.111	7.097	7.122	VV	8227	91495	4.11%	0.106%
60	7.154	7.122	7.173	VV	33134	496249	22.29%	0.573%
61	7.192	7.173	7.214	VV	14949	223614	10.04%	0.258%
62	7.241	7.214	7.256	VV	8318	154780	6.95%	0.179%
63	7.281	7.256	7.301	VV	28087	423279	19.01%	0.488%
64	7.322	7.301	7.360	VV	46247	763961	34.31%	0.882%
65	7.391	7.360	7.421	VV	35603	712655	32.01%	0.822%
66	7.436	7.421	7.451	VV	16088	195392	8.78%	0.225%
67	7.473	7.451	7.516	VV	38960	815711	36.63%	0.941%
68	7.536	7.516	7.557	VV	27782	394476	17.72%	0.455%
69	7.576	7.557	7.587	VV	8975	143501	6.44%	0.166%
70	7.598	7.587	7.612	VV	10054	128560	5.77%	0.148%
71	7.628	7.612	7.645	VV	12795	182956	8.22%	0.211%
72	7.674	7.645	7.689	VV	56075	756574	33.98%	0.873%
73	7.693	7.689	7.720	VV	29116	397539	17.85%	0.459%
74	7.736	7.720	7.743	VV	24453	265047	11.90%	0.306%
75	7.754	7.743	7.775	VV	27035	481310	21.62%	0.555%
76	7.782	7.775	7.812	VV	23770	331486	14.89%	0.383%
77	7.842	7.812	7.853	VV	9798	192184	8.63%	0.222%
78	7.872	7.853	7.883	VV	36657	447543	20.10%	0.516%
79	7.888	7.883	7.907	VV	29029	307613	13.82%	0.355%
80	7.926	7.907	7.947	VV	30936	434139	19.50%	0.501%
81	7.970	7.947	7.983	VV	14480	224431	10.08%	0.259%
82	8.011	7.983	8.055	VV	74849	1187901	53.35%	1.371%
83	8.065	8.055	8.076	VV	12095	139648	6.27%	0.161%
84	8.091	8.076	8.100	VV	15536	196422	8.82%	0.227%
85	8.110	8.100	8.120	VV	16264	187737	8.43%	0.217%
86	8.136	8.120	8.155	VV	20149	334200	15.01%	0.386%
87	8.171	8.155	8.188	VV	19882	317265	14.25%	0.366%
88	8.220	8.188	8.241	VV	26000	579363	26.02%	0.669%
89	8.284	8.241	8.299	VV	43035	937874	42.12%	1.082%

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90	8.307	8.299	8.320	VV	37611	405132	18.19%	0.468%
91	8.333	8.320	8.359	VV	42754	647744	29	
92	8.380	8.359	8.388	VV	105022	1121331	50	
93	8.395	8.388	8.440	VV	101449	1358704	61	
94	8.462	8.440	8.470	VV	15284	250959	11	
95	8.501	8.470	8.517	VV	174130	2226650	100	
96	8.529	8.517	8.551	VV	102146	1206076	54.17%	1.392%
97	8.560	8.551	8.581	VV	23800	372449	16.73%	0.430%
98	8.595	8.581	8.604	VV	24355	273976	12.30%	0.316%
99	8.616	8.604	8.635	VV	27961	420711	18.89%	0.485%
100	8.662	8.635	8.720	VV	67702	1742228	78.24%	2.010%
101	8.743	8.720	8.757	VV	40893	575269	25.84%	0.664%
102	8.775	8.757	8.789	VV	47160	654192	29.38%	0.755%
103	8.802	8.789	8.842	VV	40516	803059	36.07%	0.927%
104	8.884	8.842	8.922	VV	49722	1067032	47.92%	1.231%
105	8.953	8.922	8.965	VV	21113	442891	19.89%	0.511%
106	8.980	8.965	8.992	VV	24839	361790	16.25%	0.417%
107	9.001	8.992	9.014	VV	22605	270447	12.15%	0.312%
108	9.021	9.014	9.027	VV	18179	141700	6.36%	0.164%
109	9.044	9.027	9.072	VV	35670	656620	29.49%	0.758%
110	9.090	9.072	9.116	VV	37294	761866	34.22%	0.879%
111	9.124	9.116	9.138	VV	25146	297575	13.36%	0.343%
112	9.151	9.138	9.165	VV	27138	355281	15.96%	0.410%
113	9.177	9.165	9.193	VV	24243	336485	15.11%	0.388%
114	9.226	9.193	9.247	VV	99740	1547046	69.48%	1.785%
115	9.261	9.247	9.284	VV	40883	651804	29.27%	0.752%
116	9.302	9.284	9.321	VV	37846	611895	27.48%	0.706%
117	9.351	9.321	9.367	VV	39572	754619	33.89%	0.871%
118	9.439	9.415	9.485	VV	98189	1667171	74.87%	1.924%
119	9.505	9.485	9.524	VV	19600	389538	17.49%	0.450%
120	9.556	9.524	9.572	VV	77014	1102676	49.52%	1.272%
121	9.586	9.572	9.606	VV	74375	882420	39.63%	1.018%
122	9.611	9.606	9.624	VV	16720	169919	7.63%	0.196%
123	9.639	9.624	9.652	VV	17571	251053	11.27%	0.290%
124	9.672	9.652	9.677	VV	38508	409536	18.39%	0.473%
125	9.693	9.677	9.719	VV	83328	1172099	52.64%	1.353%
126	9.721	9.719	9.725	VV	18306	72695	3.26%	0.084%
127	9.740	9.725	9.755	VV	21500	347666	15.61%	0.401%
128	9.774	9.755	9.788	VV	28438	445331	20.00%	0.514%
129	9.856	9.825	9.882	VV	62122	1107452	49.74%	1.278%
130	9.896	9.882	9.910	VV	24059	356114	15.99%	0.411%
131	9.929	9.910	9.942	VV	34342	507532	22.79%	0.586%
132	9.956	9.942	9.967	VV	37637	459601	20.64%	0.530%
133	9.982	9.967	10.005	VV	55443	866705	38.92%	1.000%
134	10.020	10.005	10.041	VV	26394	475027	21.33%	0.548%
135	10.057	10.041	10.080	VV	25698	480745	21.59%	0.555%
136	10.102	10.080	10.126	VV	38311	800366	35.94%	0.924%
137	10.152	10.126	10.169	VV	32385	710163	31.89%	0.820%
138	10.199	10.169	10.221	VV	43462	986973	44.33%	1.139%
139	10.229	10.221	10.246	VV	20591	280957	12.62%	0.324%
140	10.260	10.246	10.274	VV	21197	313880	14.10%	0.362%
141	10.364	10.336	10.414	VV	40318	1020104	45.81%	1.177%

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142	10.427	10.414	10.440	VV	12099	184960	8.31%	0.213%
143	10.466	10.440	10.499	VV	18945	519589	23	
144	10.580	10.558	10.606	VV	27397	576185	25	
145	10.631	10.606	10.643	VV	40790	621062	27	
146	10.657	10.643	10.681	VV	49735	780328	35	
147	10.702	10.681	10.752	VV	63220	1230116	55	
148	10.778	10.752	10.786	VV	41454	604020	27.13%	0.697%
149	10.796	10.786	10.818	VV	41805	639001	28.70%	0.737%
150	10.840	10.818	10.865	VV	38807	809670	36.36%	0.934%
151	10.913	10.892	10.931	VV	28425	569804	25.59%	0.658%
152	10.948	10.931	10.966	VV	33849	537211	24.13%	0.620%
153	11.005	10.966	11.027	VV	40522	1002182	45.01%	1.156%
154	11.054	11.027	11.074	VV	23880	593952	26.67%	0.685%
155	11.083	11.074	11.100	VV	20098	271874	12.21%	0.314%
156	11.145	11.100	11.161	VV	24322	688233	30.91%	0.794%
157	11.180	11.161	11.200	VV	43682	664042	29.82%	0.766%
158	11.216	11.200	11.241	VV	19829	417331	18.74%	0.482%
159	11.322	11.302	11.341	VV	15599	326378	14.66%	0.377%
160	11.361	11.341	11.380	VV	20608	397078	17.83%	0.458%
161	11.401	11.380	11.421	VV	23221	444003	19.94%	0.512%
162	11.432	11.421	11.444	VV	15108	203889	9.16%	0.235%
163	11.493	11.444	11.514	VV	33677	875064	39.30%	1.010%
164	11.543	11.514	11.560	VV	28671	627430	28.18%	0.724%
165	11.577	11.560	11.624	VV	25106	781502	35.10%	0.902%
166	11.629	11.624	11.640	VV	15891	148476	6.67%	0.171%
167	11.660	11.640	11.690	VV	24704	626048	28.12%	0.722%
168	11.706	11.690	11.721	VV	30534	462900	20.79%	0.534%
169	11.726	11.721	11.751	VV	23027	340767	15.30%	0.393%
170	11.837	11.800	11.861	VV	29913	712281	31.99%	0.822%
171	11.874	11.861	11.907	VV	17413	404028	18.15%	0.466%
172	11.925	11.907	11.932	VV	13706	193817	8.70%	0.224%
173	11.987	11.971	12.001	VV	42469	559982	25.15%	0.646%
174	12.017	12.001	12.056	VV	49170	762873	34.26%	0.880%
175	12.081	12.056	12.105	VV	17997	394624	17.72%	0.455%
176	12.135	12.105	12.151	VV	33216	574107	25.78%	0.663%
177	12.168	12.151	12.219	VV	29386	708360	31.81%	0.817%
178	12.241	12.219	12.260	VV	13829	294029	13.20%	0.339%
179	12.284	12.260	12.306	VV	18672	413795	18.58%	0.478%
180	12.325	12.306	12.347	VV	18335	354901	15.94%	0.410%
181	12.357	12.347	12.373	VV	12164	179924	8.08%	0.208%
182	12.388	12.373	12.406	VV	13676	226364	10.17%	0.261%
183	12.427	12.406	12.448	VV	11593	265674	11.93%	0.307%
184	12.463	12.448	12.471	VV	10683	143521	6.45%	0.166%
185	12.488	12.471	12.503	VV	14346	229139	10.29%	0.264%
186	12.521	12.503	12.541	VV	16635	305011	13.70%	0.352%
187	12.553	12.541	12.575	VV	12047	201644	9.06%	0.233%
188	12.605	12.575	12.623	VV	12439	281745	12.65%	0.325%
189	12.667	12.651	12.696	VV	11007	268801	12.07%	0.310%
190	12.711	12.696	12.717	VV	10997	128695	5.78%	0.149%
191	12.779	12.756	12.816	VV	22295	509432	22.88%	0.588%
192	12.830	12.816	12.839	VV	8304	111984	5.03%	0.129%
193	12.856	12.839	12.865	VV	9944	148158	6.65%	0.171%
194	12.888	12.865	12.907	VV	29938	476231	21.39%	0.550%

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195	12.923	12.907	12.939	VV	16708	266178	11.95%	0.307%
196	12.951	12.939	12.982	VV	12710	241495	10	
197	13.002	12.982	13.052	VV	12890	355385	15	
198	13.063	13.052	13.075	VV	5521	75139	3	
199	13.105	13.075	13.112	VV	6576	130541	5	
200	13.129	13.112	13.149	VV	8072	148038	6	
201	13.163	13.149	13.177	VV	5214	82756	3.72%	0.095%
202	13.197	13.177	13.214	VV	6035	120103	5.39%	0.139%
203	13.228	13.214	13.239	VV	5172	75746	3.40%	0.087%
204	13.254	13.239	13.279	VV	5453	117168	5.26%	0.135%
205	13.299	13.279	13.321	VV	8465	150392	6.75%	0.174%
206	13.336	13.321	13.351	VV	4574	78505	3.53%	0.091%
207	13.394	13.351	13.421	VV	15822	320864	14.41%	0.370%
208	13.445	13.421	13.463	VV	6674	135780	6.10%	0.157%
209	13.476	13.463	13.499	VV	5346	104978	4.71%	0.121%
210	13.509	13.499	13.531	VV	4316	69325	3.11%	0.080%
211	13.545	13.531	13.552	VV	3025	37049	1.66%	0.043%
212	13.584	13.552	13.614	VV	6972	185687	8.34%	0.214%
213	13.634	13.614	13.677	VV	8149	170964	7.68%	0.197%
214	13.699	13.677	13.714	VV	5040	81726	3.67%	0.094%
215	13.732	13.714	13.754	VV	5172	91037	4.09%	0.105%
216	13.777	13.754	13.789	VV	2951	55206	2.48%	0.064%
217	13.808	13.789	13.830	VV	3203	69722	3.13%	0.080%
218	13.850	13.830	13.872	VV	3022	66217	2.97%	0.076%
219	13.887	13.872	13.980	VV	3223	134058	6.02%	0.155%
220	14.001	13.980	14.022	VV	2111	46508	2.09%	0.054%
221	14.036	14.022	14.053	VV	2323	37202	1.67%	0.043%
222	14.084	14.053	14.139	VV	2211	89935	4.04%	0.104%
223	14.165	14.139	14.187	VV	2589	52005	2.34%	0.060%
224	14.207	14.187	14.228	VV	1735	34394	1.54%	0.040%
225	14.245	14.228	14.258	VV	1147	19576	0.88%	0.023%
226	14.260	14.258	14.294	VV	1085	21555	0.97%	0.025%
227	14.299	14.294	14.327	VV	808	13428	0.60%	0.015%
228	14.350	14.327	14.357	VV	1016	15006	0.67%	0.017%
229	14.365	14.357	14.416	VV	1047	28063	1.26%	0.032%
230	14.451	14.416	14.471	VV	797	20825	0.94%	0.024%
231	14.487	14.471	14.492	VV	598	6908	0.31%	0.008%
232	14.511	14.492	14.532	VV	1171	19082	0.86%	0.022%
233	14.544	14.532	14.565	VV	578	9917	0.45%	0.011%
234	14.584	14.565	14.596	VV	665	10769	0.48%	0.012%
235	14.610	14.596	14.650	VV	652	16460	0.74%	0.019%
236	14.654	14.650	14.683	VV	423	6757	0.30%	0.008%
237	14.715	14.683	14.746	VV	672	18882	0.85%	0.022%
238	14.752	14.746	14.771	VV	443	5385	0.24%	0.006%
239	14.779	14.771	14.784	VV	316	2150	0.10%	0.002%
240	14.804	14.784	14.813	VV	481	6806	0.31%	0.008%
241	14.815	14.813	14.820	VV	457	1979	0.09%	0.002%
242	14.837	14.820	14.853	VV	563	8969	0.40%	0.010%
243	14.872	14.853	14.888	VV	557	8955	0.40%	0.010%
244	14.894	14.888	14.912	VV	317	3970	0.18%	0.005%
245	14.917	14.912	14.929	VV	246	2028	0.09%	0.002%
246	14.946	14.929	14.974	VV	425	7100	0.32%	0.008%

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247	14.994	14.974	15.008	VV	311	5331	0.24%	0.006%
248	15.027	15.008	15.046	VV	509	7225		
249	15.050	15.046	15.077	VV	208	3010		
250	15.092	15.077	15.119	VV	238	3098		
251	15.182	15.167	15.195	VV	252	2989		
252	15.217	15.195	15.222	VV	339	3097		
253	15.227	15.222	15.233	VV	335	1593	0.07%	0.002%
254	15.254	15.233	15.277	VV	320	5413	0.24%	0.006%
255	15.292	15.277	15.314	VV	320	4724	0.21%	0.005%
256	15.340	15.314	15.380	VV	272	6430	0.29%	0.007%
257	15.386	15.380	15.416	VV	169	2362	0.11%	0.003%
258	15.422	15.416	15.440	VV	152	1091	0.05%	0.001%
259	15.488	15.440	15.515	PV	201	4020	0.18%	0.005%
260	15.630	15.567	15.659	PV	1121	20203	0.91%	0.023%
261	15.664	15.659	15.670	VV	360	2289	0.10%	0.003%
262	15.680	15.670	15.715	VV	376	6737	0.30%	0.008%
263	15.741	15.726	15.746	VV	168	1395	0.06%	0.002%
264	15.758	15.746	15.762	VV	158	1156	0.05%	0.001%
265	15.774	15.762	15.781	VV	306	2831	0.13%	0.003%
266	15.787	15.781	15.816	VV	300	4156	0.19%	0.005%
267	15.856	15.816	15.871	VV	289	4804	0.22%	0.006%
268	15.893	15.886	15.917	VV	143	1677	0.08%	0.002%
269	16.017	16.014	16.040	VV	165	1602	0.07%	0.002%
270	16.054	16.040	16.064	VV	166	1773	0.08%	0.002%
271	16.098	16.080	16.107	VV	140	1614	0.07%	0.002%
272	16.130	16.107	16.149	VV	150	2128	0.10%	0.002%
273	16.181	16.160	16.197	VV	111	1544	0.07%	0.002%
274	16.219	16.197	16.228	VV	91	1170	0.05%	0.001%
275	16.273	16.252	16.306	VV	408	5560	0.25%	0.006%
276	16.326	16.306	16.330	PV	130	1266	0.06%	0.001%
277	16.334	16.330	16.361	VV	143	1719	0.08%	0.002%
278	16.417	16.392	16.422	VV	163	1523	0.07%	0.002%
279	16.453	16.422	16.516	VV	261	6662	0.30%	0.008%
280	16.568	16.543	16.574	VV	143	1623	0.07%	0.002%
281	16.591	16.574	16.604	VV	107	1520	0.07%	0.002%
282	16.652	16.623	16.683	PV	149	3329	0.15%	0.004%
283	16.754	16.698	16.759	PV	413	5862	0.26%	0.007%
284	16.762	16.759	16.788	VV	390	3342	0.15%	0.004%
285	16.808	16.788	16.817	VV	211	2207	0.10%	0.003%
286	16.839	16.817	16.882	VV	604	10227	0.46%	0.012%
287	16.887	16.882	16.910	VV	164	1539	0.07%	0.002%
288	16.986	16.932	17.010	PV	132	2689	0.12%	0.003%
289	17.022	17.010	17.037	VV	103	1171	0.05%	0.001%
290	17.056	17.045	17.068	VV	144	1350	0.06%	0.002%
291	17.126	17.077	17.149	VV	262	5380	0.24%	0.006%
292	17.176	17.149	17.180	VV	201	2035	0.09%	0.002%
293	17.189	17.180	17.202	VV	204	2262	0.10%	0.003%
294	17.225	17.202	17.257	VV	766	11573	0.52%	0.013%
295	17.278	17.257	17.294	VV	347	2989	0.13%	0.003%
296	17.516	17.489	17.532	VV	148	2698	0.12%	0.003%
297	17.560	17.532	17.563	VV	112	1387	0.06%	0.002%
298	17.593	17.589	17.624	VV	168	1860	0.08%	0.002%
299	17.674	17.632	17.708	VV	1116	17076	0.77%	0.020%

Instrument :
FID_G
ClientSampleId :
EX-1-TPH-9DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

					rteres			
300	17.781	17.727	17.786	PV	171	2495	0.11%	0.003%
301	17.789	17.786	17.820	VV	183	1398		
302	17.862	17.820	17.877	VV	150	2812		
303	17.898	17.877	17.930	VV	372	5189		
304	17.966	17.930	17.989	PV	362	5779		
305	18.060	18.045	18.080	VV	214	1400		
306	18.112	18.080	18.141	VV	1553	22837	1.03%	0.026%
307	18.176	18.141	18.180	PV	157	1772	0.08%	0.002%
308	18.199	18.180	18.234	VV	379	5539	0.25%	0.006%

Sum of corrected areas: 86657081

Aromatic EPH 102124.M Mon Nov 04 02:25:20 2024

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC102324AL

AreaCount

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	39022992.000	19933185.000	8061570.000	4198329.000	2101198.000	
Aliphatic C12-C16	25467967.000	12990634.000	5208245.000	2702045.000	1358541.000	
Aliphatic C16-C21	36713606.000	18782701.000	7526010.000	3934678.000	1979840.000	
Aliphatic C21-C28	45946180.000	23609090.000	9458827.000	4951672.000	2510279.000	
Aliphatic C28-C40	56250650.000	29316600.000	11954663.000	6283522.000	3289360.000	
Aliphatic EPH	203401395.000	104632210.000	42209315.000	22070246.000	11239218.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	135469.6413332	3.265				
Aliphatic C12-C16	131681.73	2.772				
Aliphatic C16-C21	127235.0919996	3.261				
Aliphatic C21-C28	120090.3975	3.678				
Aliphatic C28-C40	101093.1949996	6.133				
Aliphatic EPH	118799.912222	4.081				

Concentration

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.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	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	130076.640000	132887.900000	134359.500000	139944.300000	140079.866666	
Aliphatic C12-C16	127339.835000	129906.340000	130206.125000	135102.250000	135854.100000	
Aliphatic C16-C21	122378.686666	125218.006666	125433.500000	131155.933333	131989.333333	

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

Inital Calibration Report for SequenceID : FC102324AL

Aliphatic C21-C28	114865.450000	118045.450000	118235.337500	123791.800000	125513.950000	
Aliphatic C28-C40	93751.083333	97722.000000	99622.191666	104725.366666	109645.333333	
Aliphatic EPH	113000.775000	116258.011111	117248.097222	122612.477777	124880.200000	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
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: Oct 23 17:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
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)	11.506	14037783	98.632 ug/ml
Spiked Amount	50.000		Recovery =	197.26%
12)	S 1-chlorooctadecane (S...	12.941	10490435	99.221 ug/ml
Spiked Amount	50.000		Recovery =	198.44%
	Target Compounds			
1)	T n-Nonane (C9)	3.278	12920314	98.296 ug/ml
2)	T n-Decane (C10)	4.343	13085907	98.393 ug/ml
3)	T A~Naphthalene (C11.7)	5.922	14394132	98.923 ug/ml
4)	T n-Dodecane (C12)	6.360	13016771	98.452 ug/ml
5)	T A~2-methylnaphthalene...	6.979	13836866	99.334 ug/ml
6)	T n-Tetradecane (C14)	8.152	12659193	98.737 ug/ml
7)	T n-Hexadecane (C16)	9.751	12808774	99.036 ug/ml
8)	T n-Octadecane (C18)	11.193	12738874	98.786 ug/ml
10)	T n-Eicosane (C20)	12.499	12105735	98.678 ug/ml
11)	T n-Heneicosane (C21)	13.110	11868997	98.838 ug/ml
13)	T n-Docosane (C22)	13.695	11751176	98.736 ug/ml
14)	T n-Tetracosane (C24)	14.797	11637443	98.776 ug/ml
15)	T n-Hexacosane (C26)	15.816	11410589	98.652 ug/ml
16)	T n-Octacosane (C28)	16.765	11146972	98.035 ug/ml
17)	T n-Tricontane (C30)	17.651	11224678	97.103 ug/ml
18)	T n-Dotriacontane (C32)	18.483	10806351	96.387 ug/ml
19)	T n-Tetratriacontane (C34)	19.263	9619727	96.453 ug/ml
20)	T n-Hexatriacontane (C36)	20.002	8494635	97.259 ug/ml
21)	T n-Octatriacontane (C38)	20.726	8112623	97.297 ug/ml
22)	T n-Tetracontane (C40)	21.614	7992636	97.524 ug/ml

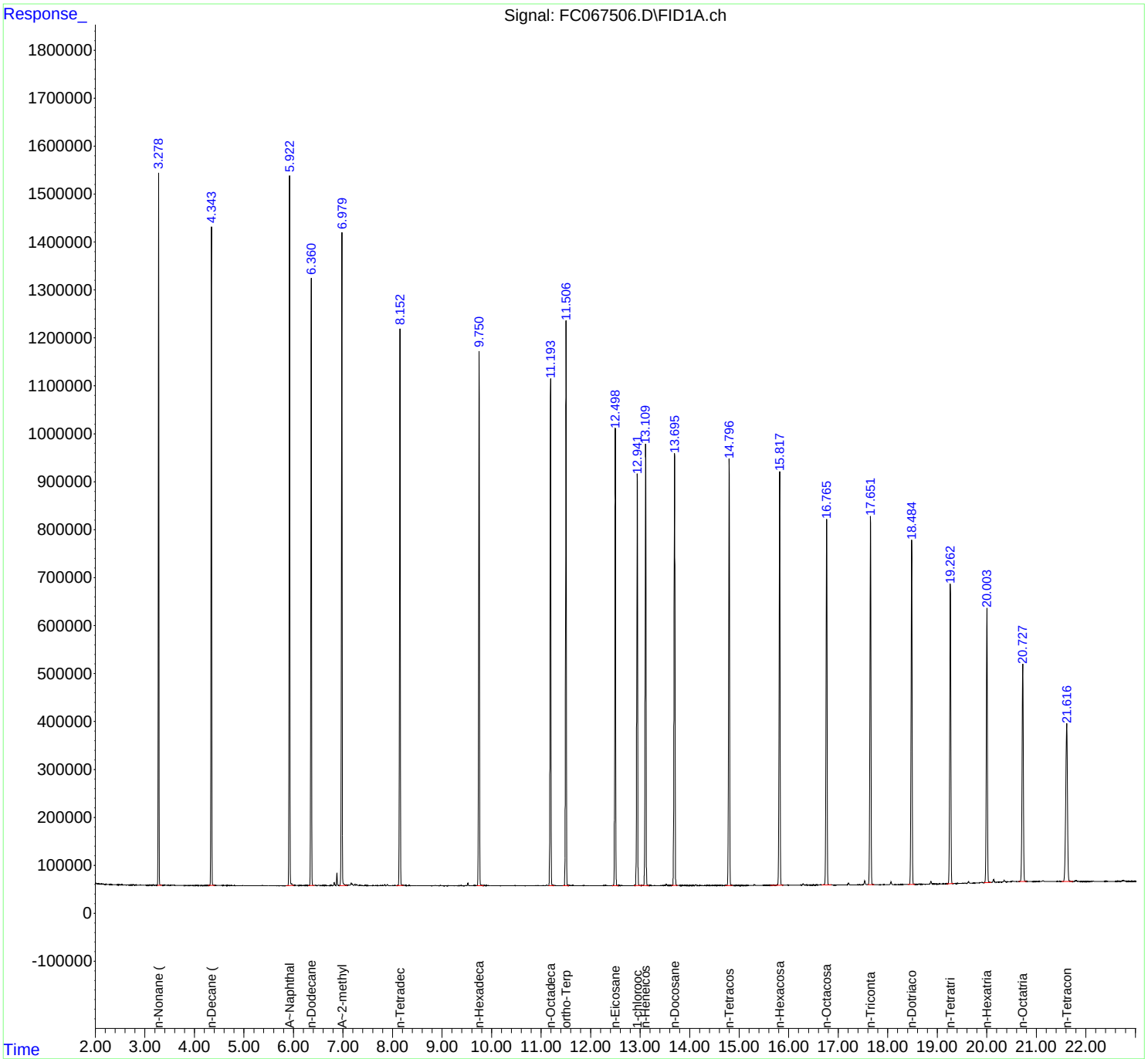
(f)=RT Delta > 1/2 Window (m)=manual int.

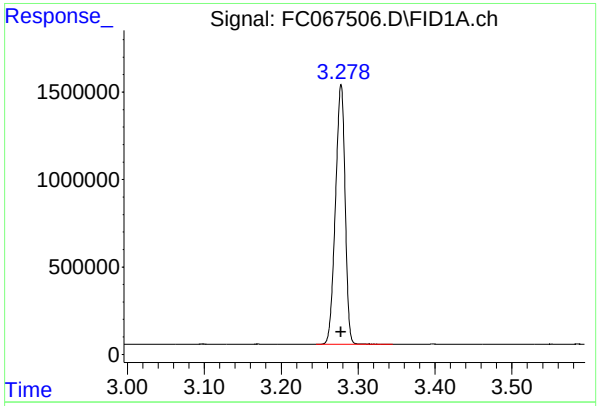
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

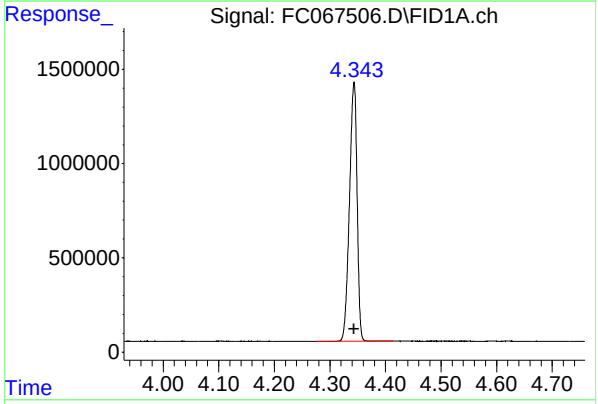




#1 n-Nonane (C9)

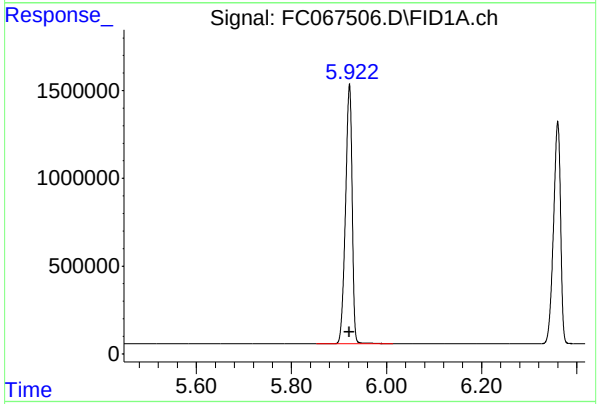
R.T.: 3.278 min
Delta R.T.: 0.000 min
Response: 12920314
Conc: 98.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



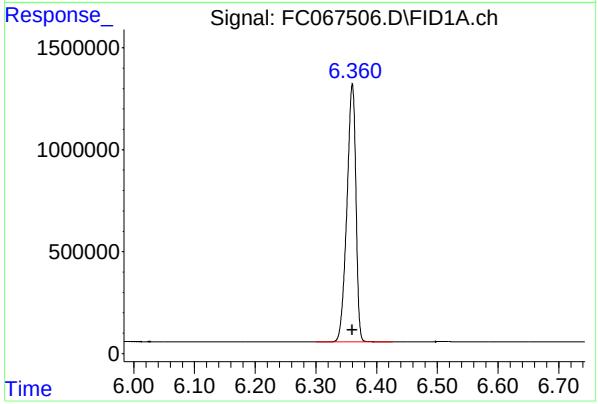
#2 n-Decane (C10)

R.T.: 4.343 min
Delta R.T.: 0.000 min
Response: 13085907
Conc: 98.39 ug/ml



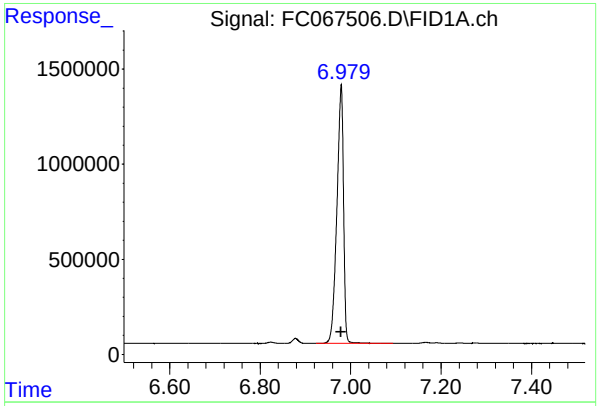
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 14394132
Conc: 98.92 ug/ml



#4 n-Dodecane (C12)

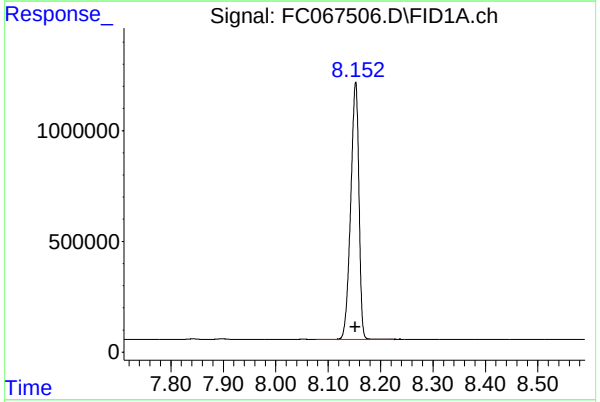
R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 13016771
Conc: 98.45 ug/ml



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

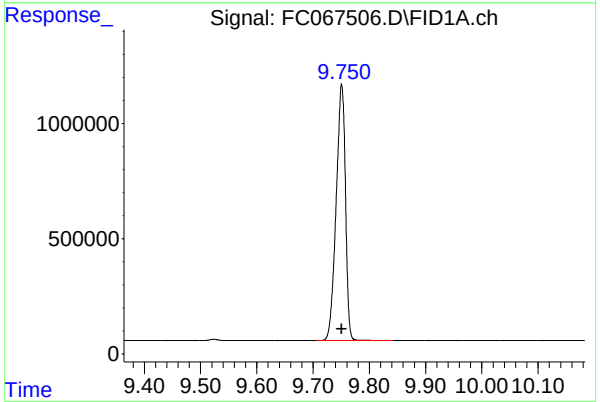
R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 13836866
Conc: 99.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



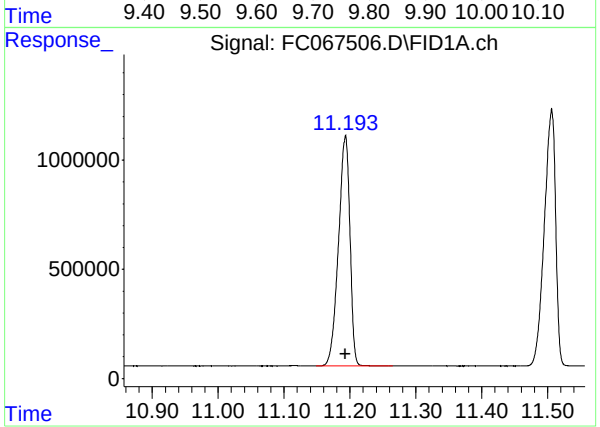
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.000 min
Response: 12659193
Conc: 98.74 ug/ml



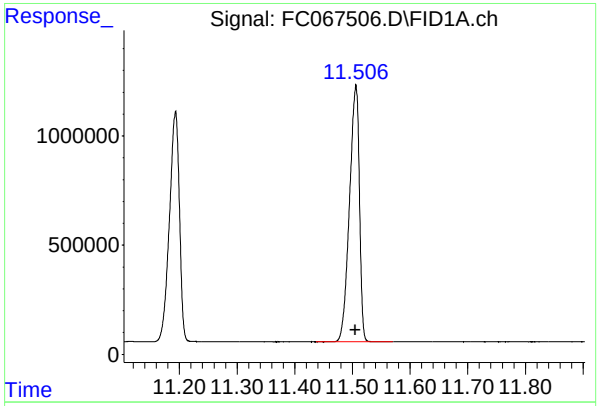
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.000 min
Response: 12808774
Conc: 99.04 ug/ml



#8 n-Octadecane (C18)

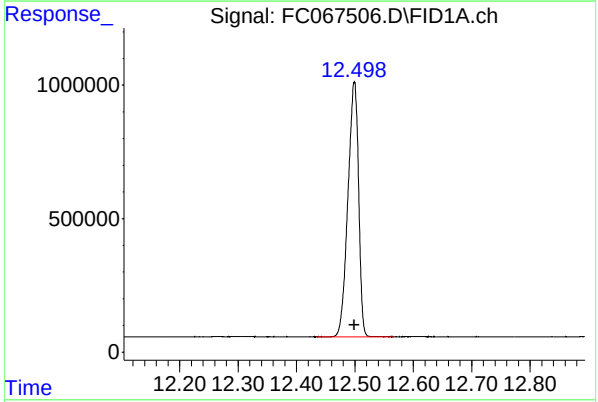
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 12738874
Conc: 98.79 ug/ml



#9 ortho-Terphenyl (SURR)

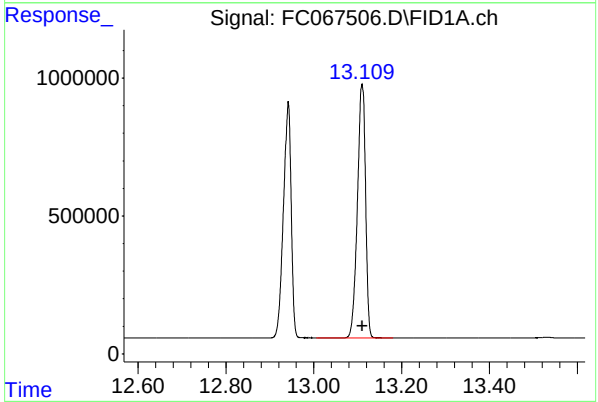
R.T.: 11.506 min
Delta R.T.: 0.000 min
Response: 14037783
Conc: 98.63 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



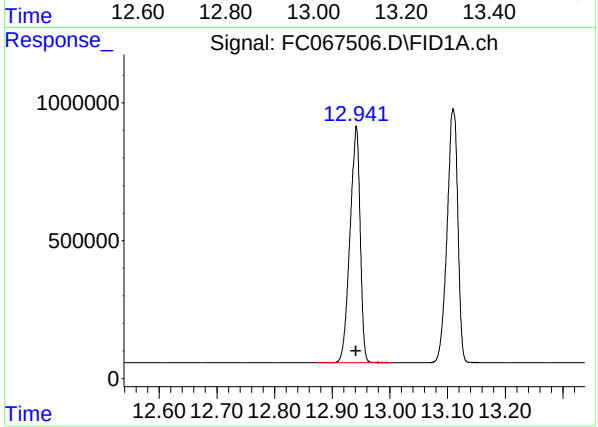
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: 0.000 min
Response: 12105735
Conc: 98.68 ug/ml



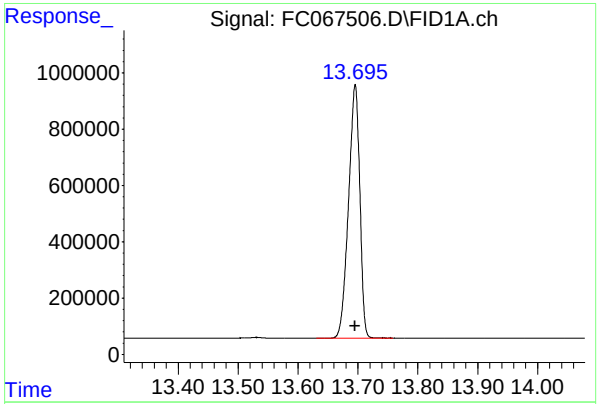
#11 n-Heneicosane (C21)

R.T.: 13.110 min
Delta R.T.: 0.000 min
Response: 11868997
Conc: 98.84 ug/ml



#12 1-chlorooctadecane (SURR)

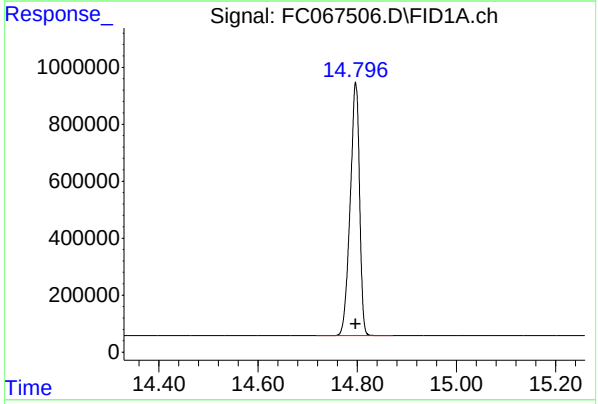
R.T.: 12.941 min
Delta R.T.: 0.000 min
Response: 10490435
Conc: 99.22 ug/ml



#13 n-Docosane (C22)

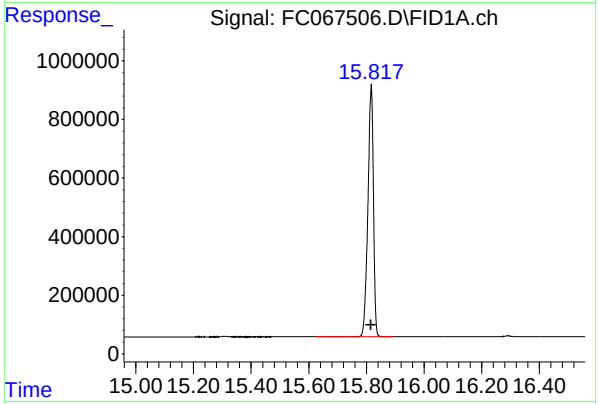
R.T.: 13.695 min
Delta R.T.: 0.000 min
Response: 11751176
Conc: 98.74 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



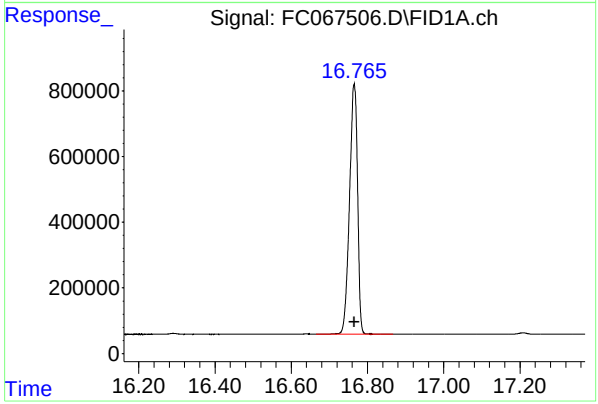
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.000 min
Response: 11637443
Conc: 98.78 ug/ml



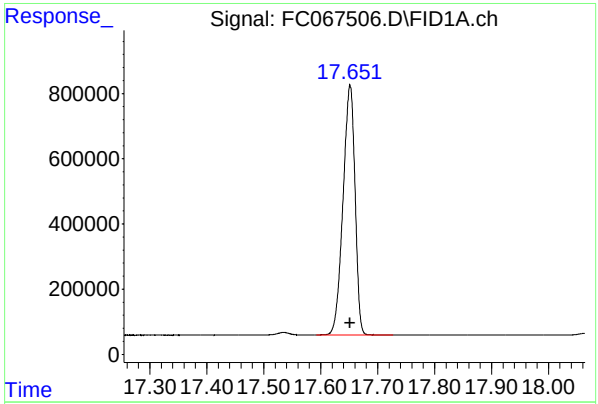
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 11410589
Conc: 98.65 ug/ml



#16 n-Octacosane (C28)

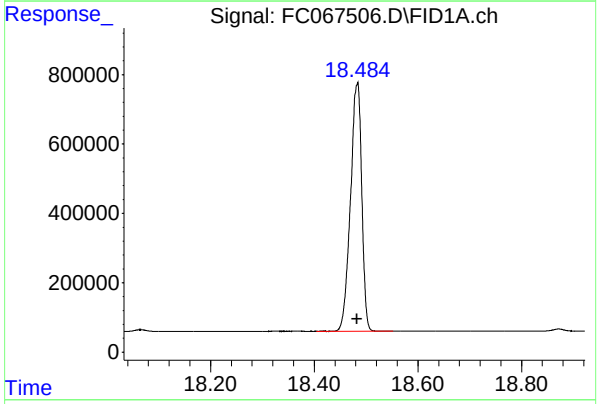
R.T.: 16.765 min
Delta R.T.: 0.000 min
Response: 11146972
Conc: 98.03 ug/ml



#17 n-Tricontane (C30)

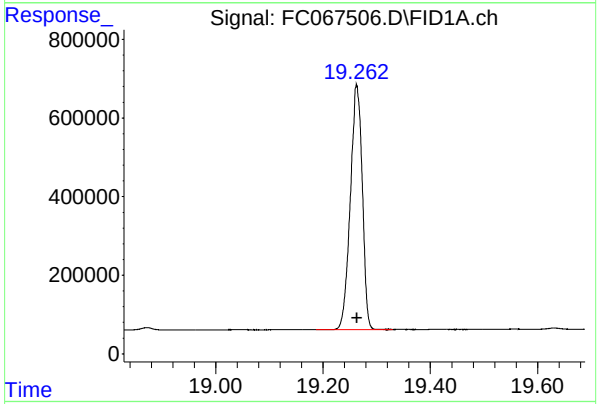
R.T.: 17.651 min
Delta R.T.: 0.000 min
Response: 11224678
Conc: 97.10 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



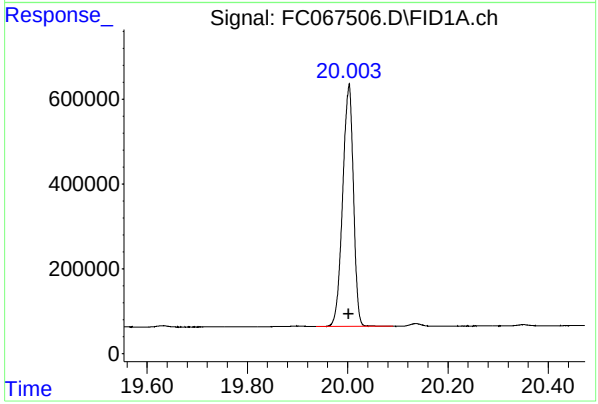
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.000 min
Response: 10806351
Conc: 96.39 ug/ml



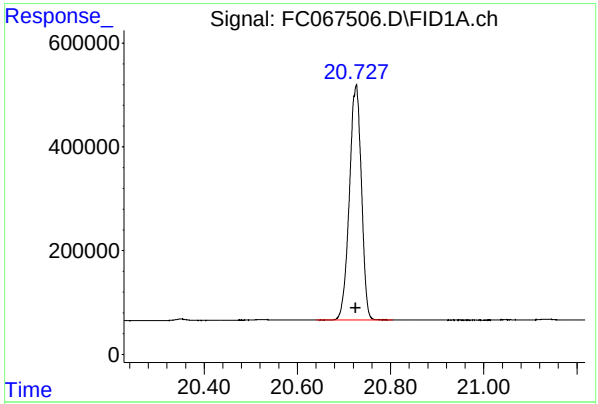
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.000 min
Response: 9619727
Conc: 96.45 ug/ml



#20 n-Hexatriacontane (C36)

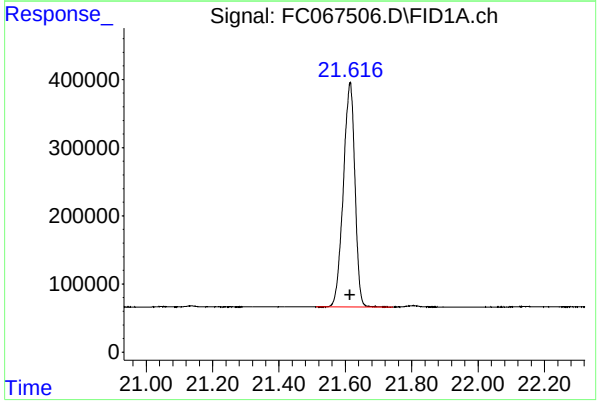
R.T.: 20.002 min
Delta R.T.: 0.000 min
Response: 8494635
Conc: 97.26 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.726 min
Delta R.T.: 0.000 min
Response: 8112623
Conc: 97.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.000 min
Response: 7992636
Conc: 97.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
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 102324.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	3.278	3.245	3.345	BB	1482982	12920314	89.76%	5.044%
2	4.343	4.275	4.414	BB	1378444	13085907	90.91%	5.108%
3	5.922	5.852	6.014	BB	1478546	14394132	100.00%	5.619%
4	6.360	6.300	6.427	BB	1268307	13016771	90.43%	5.081%
5	6.979	6.924	7.094	BV	1345672	13836866	96.13%	5.402%
6	8.152	8.077	8.224	BB	1158926	12659193	87.95%	4.942%
7	9.751	9.705	9.842	BB	1114390	12808774	88.99%	5.000%
8	11.193	11.149	11.265	BV	1059950	12738874	88.50%	4.973%
9	11.506	11.437	11.570	BB	1165644	14037783	97.52%	5.480%
10	12.499	12.434	12.565	BB	956464	12105735	84.10%	4.726%
11	12.941	12.872	13.005	BB	861029	10490435	72.88%	4.095%
12	13.110	13.005	13.180	BB	919632	11868997	82.46%	4.633%
13	13.695	13.630	13.759	BB	900624	11751176	81.64%	4.587%
14	14.797	14.717	14.872	BB	888415	11637443	80.85%	4.543%
15	15.816	15.625	15.892	BB	863938	11410589	79.27%	4.454%
16	16.765	16.665	16.867	BB	761325	11146972	77.44%	4.352%
17	17.651	17.592	17.727	BB	765890	11224678	77.98%	4.382%
18	18.483	18.404	18.552	BB	712666	10806351	75.07%	4.219%
19	19.263	19.187	19.330	BB	619243	9619727	66.83%	3.755%
20	20.002	19.937	20.090	BB	565569	8494635	59.01%	3.316%
21	20.726	20.640	20.805	BB	451489	8112623	56.36%	3.167%
22	21.614	21.512	21.744	BB	329592	7992636	55.53%	3.120%
			Sum of corrected areas:			256160611		

Aliphatic EPH 102324.M Wed Oct 23 18:20:49 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
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: Oct 23 17:21:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
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)	11.500	7186867	50.330 ug/ml
Spiked Amount	50.000		Recovery =	100.66%
12) S	1-chlorooctadecane (S...	12.937	5350584	50.403 ug/ml
Spiked Amount	50.000		Recovery =	100.81%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	6596270	50.122 ug/ml
2) T	n-Decane (C10)	4.340	6686022	50.181 ug/ml
3) T	A~Naphthalene (C11.7)	5.918	7350672	50.344 ug/ml
4) T	n-Dodecane (C12)	6.356	6650893	50.202 ug/ml
5) T	A~2-methylnaphthalene...	6.974	7049073	50.402 ug/ml
6) T	n-Tetradecane (C14)	8.149	6466785	50.292 ug/ml
7) T	n-Hexadecane (C16)	9.747	6523849	50.293 ug/ml
8) T	n-Octadecane (C18)	11.188	6511575	50.329 ug/ml
10) T	n-Eicosane (C20)	12.495	6199533	50.355 ug/ml
11) T	n-Heneicosane (C21)	13.105	6071593	50.372 ug/ml
13) T	n-Docosane (C22)	13.691	6022373	50.399 ug/ml
14) T	n-Tetracosane (C24)	14.793	5967985	50.435 ug/ml
15) T	n-Hexacosane (C26)	15.812	5860085	50.441 ug/ml
16) T	n-Octacosane (C28)	16.761	5758647	50.429 ug/ml
17) T	n-Tricontane (C30)	17.647	5830292	50.290 ug/ml
18) T	n-Dotriacontane (C32)	18.477	5634053	50.168 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	5024380	50.251 ug/ml
20) T	n-Hexatriacontane (C36)	19.998	4430530	50.483 ug/ml
21) T	n-Octatriacontane (C38)	20.720	4230730	50.491 ug/ml
22) T	n-Tetracontane (C40)	21.606	4166615	50.557 ug/ml

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

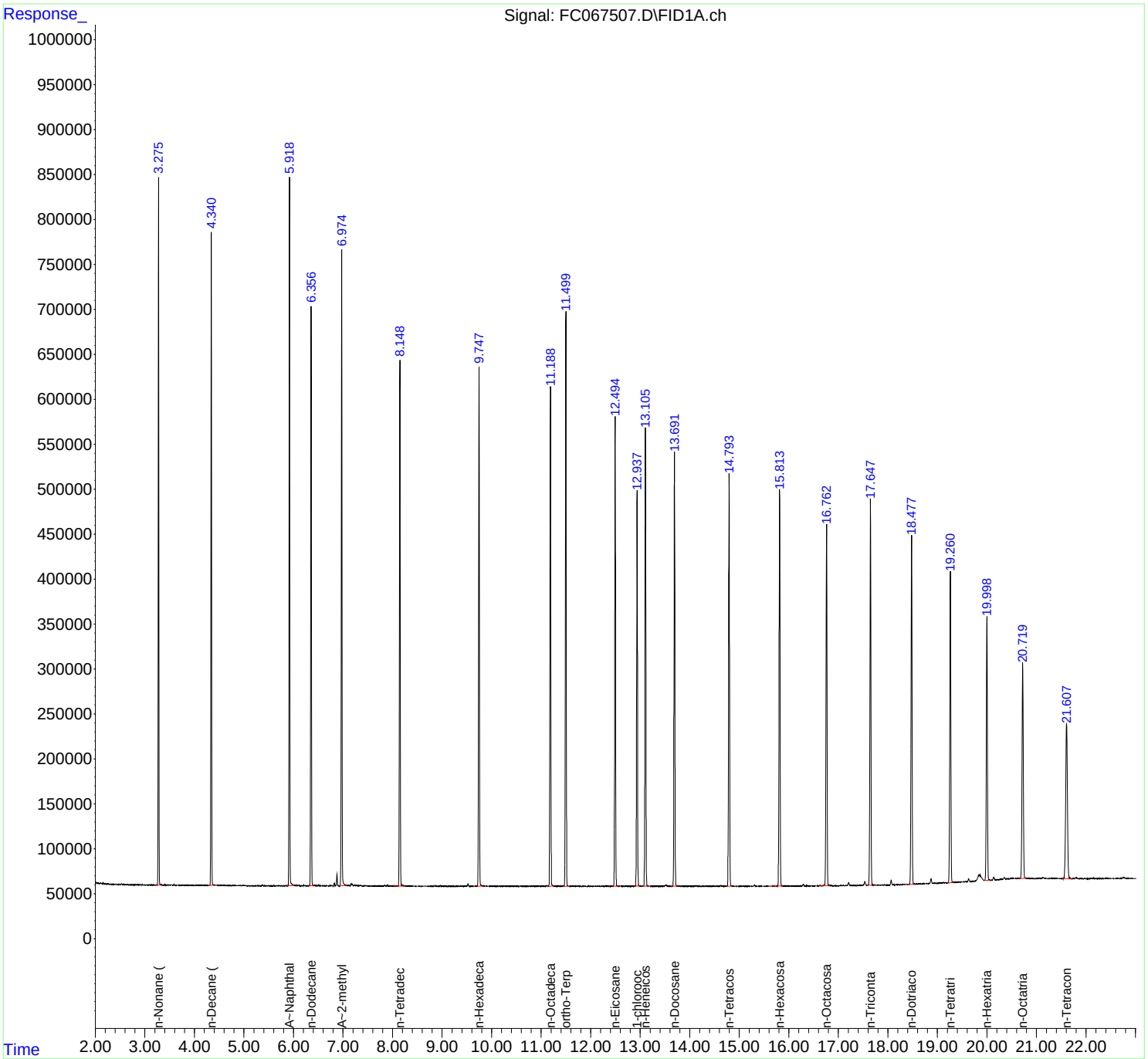
Quantitation Report (QT Reviewed)

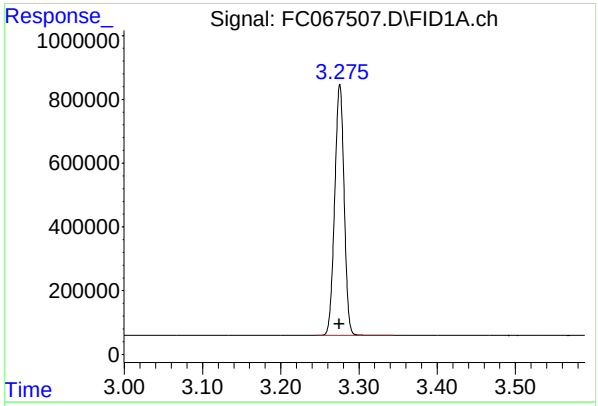
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:21:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

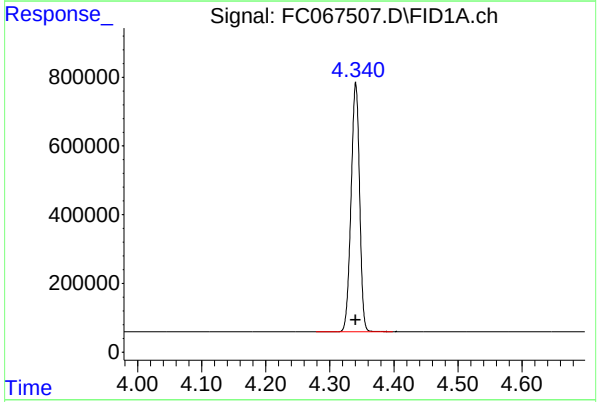




#1 n-Nonane (C9)

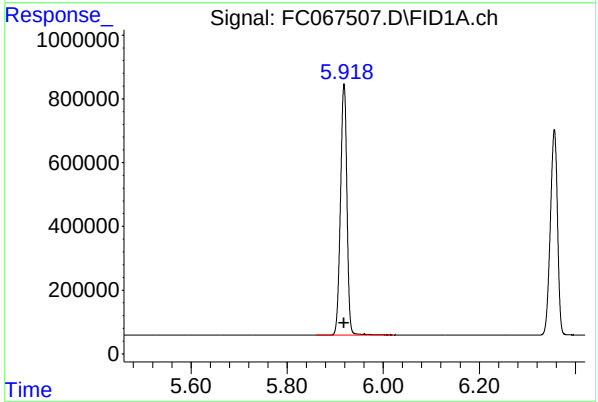
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 6596270
Conc: 50.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



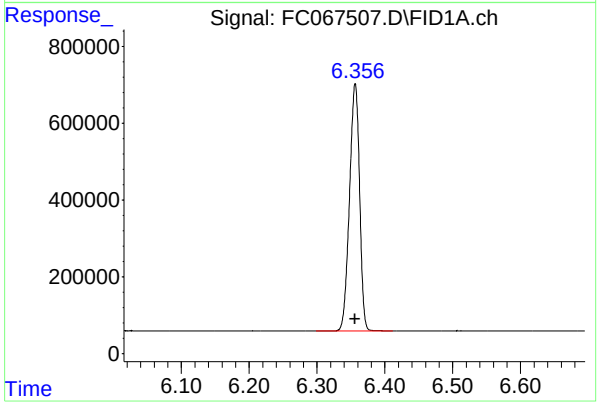
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 6686022
Conc: 50.18 ug/ml



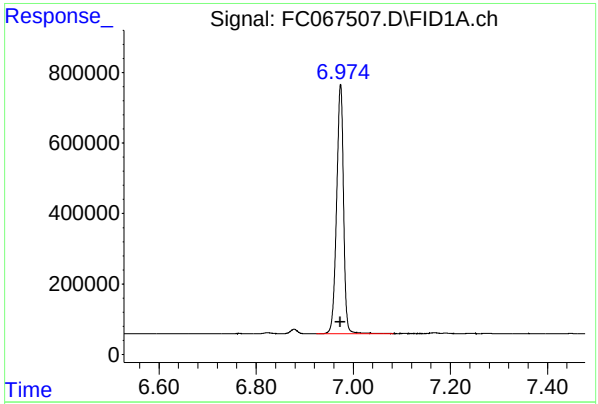
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 7350672
Conc: 50.34 ug/ml



#4 n-Dodecane (C12)

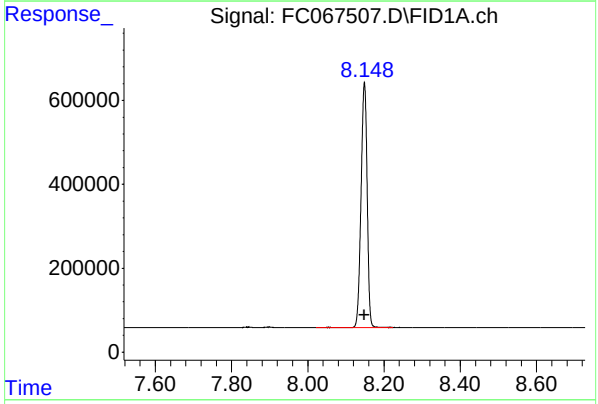
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 6650893
Conc: 50.20 ug/ml



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

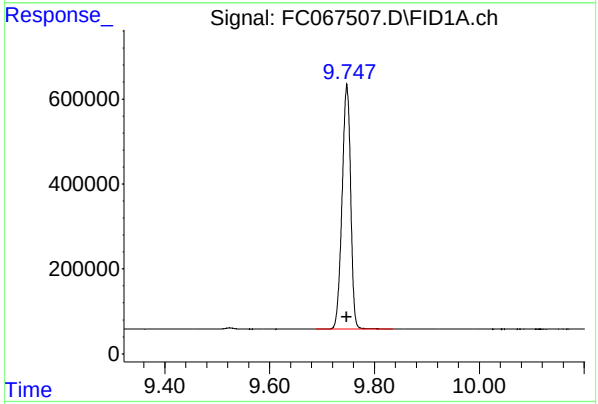
R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 7049073
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



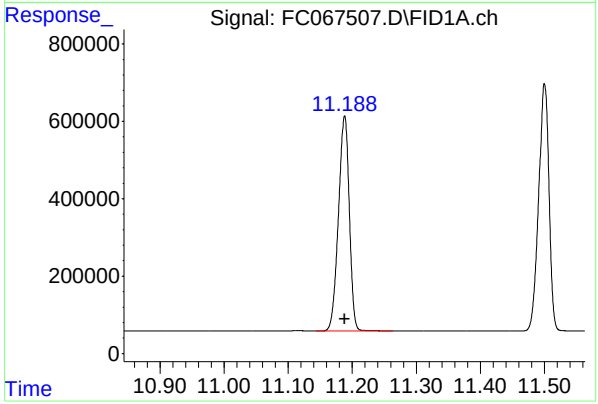
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.000 min
Response: 6466785
Conc: 50.29 ug/ml



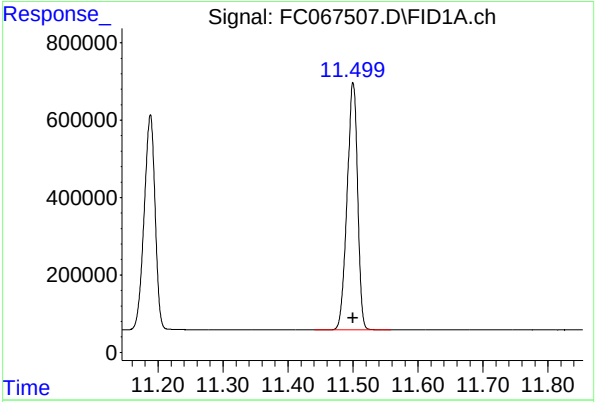
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: 0.000 min
Response: 6523849
Conc: 50.29 ug/ml



#8 n-Octadecane (C18)

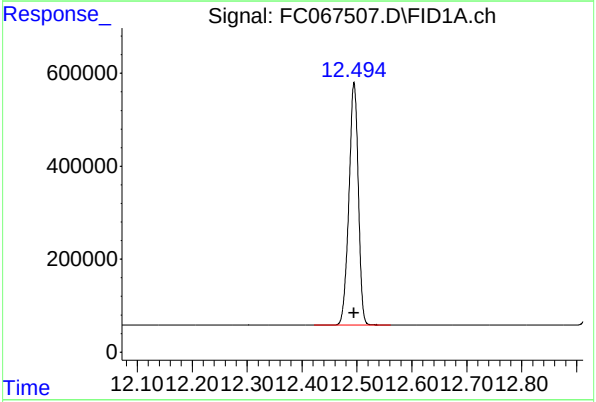
R.T.: 11.188 min
Delta R.T.: 0.000 min
Response: 6511575
Conc: 50.33 ug/ml



#9 ortho-Terphenyl (SURR)

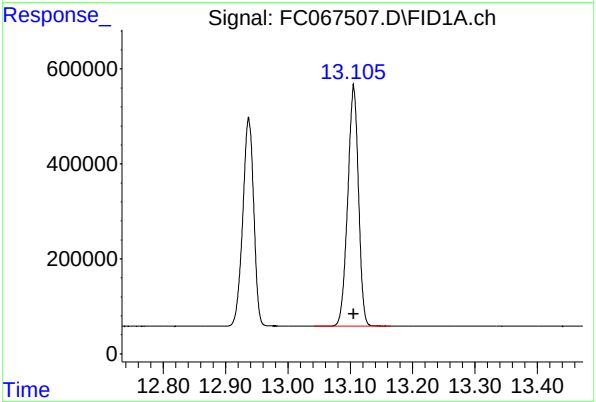
R.T.: 11.500 min
Delta R.T.: 0.000 min
Response: 7186867
Conc: 50.33 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



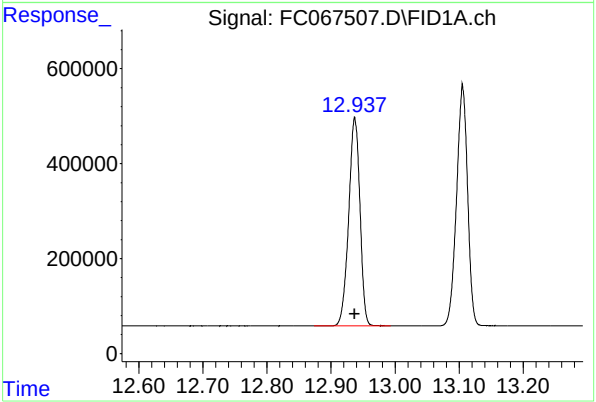
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: 0.000 min
Response: 6199533
Conc: 50.36 ug/ml



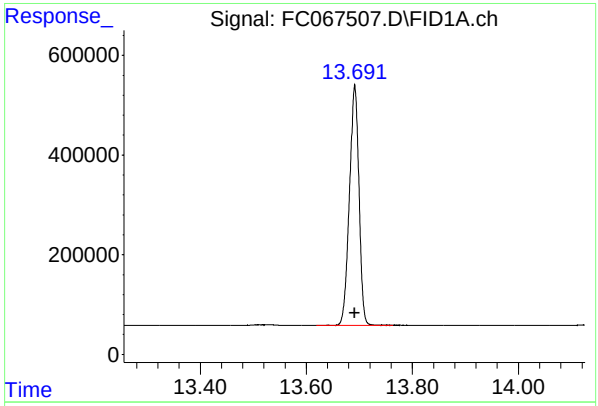
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 6071593
Conc: 50.37 ug/ml



#12 1-chlorooctadecane (SURR)

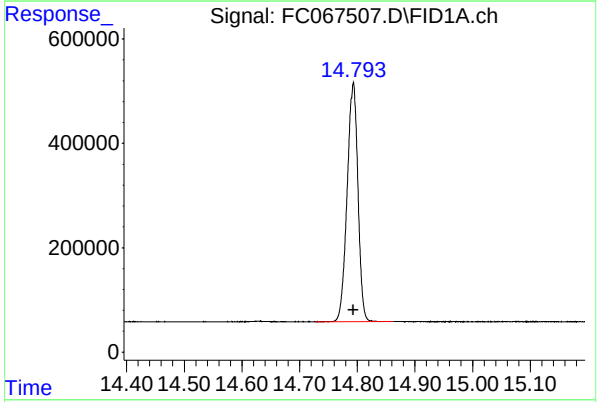
R.T.: 12.937 min
Delta R.T.: 0.000 min
Response: 5350584
Conc: 50.40 ug/ml



#13 n-Docosane (C22)

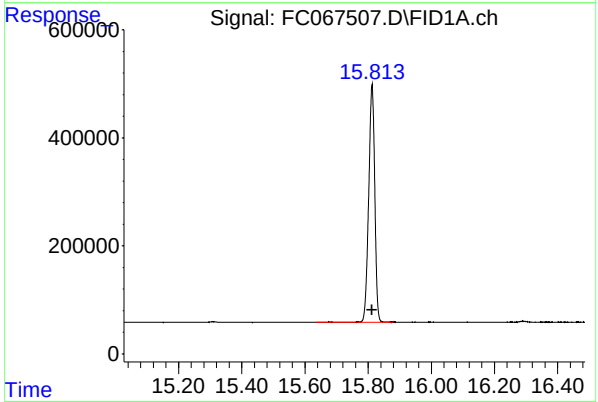
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 6022373
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



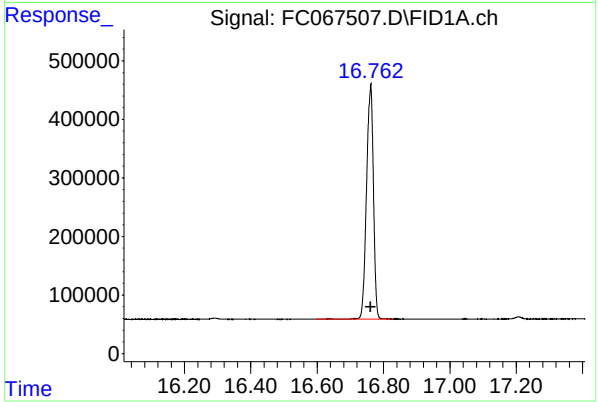
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.000 min
Response: 5967985
Conc: 50.43 ug/ml



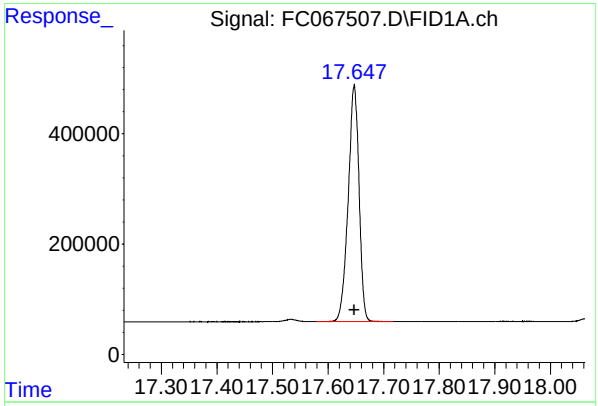
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.000 min
Response: 5860085
Conc: 50.44 ug/ml



#16 n-Octacosane (C28)

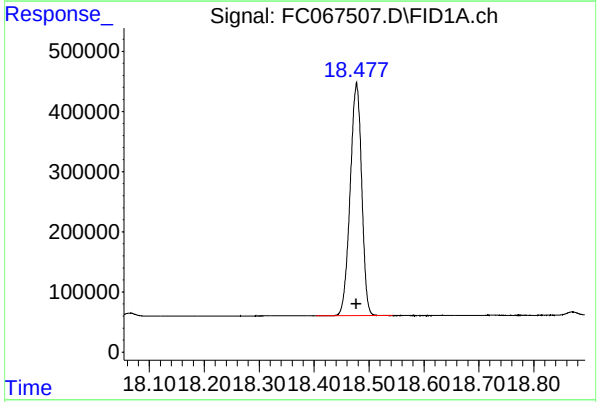
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 5758647
Conc: 50.43 ug/ml



#17 n-Tricontane (C30)

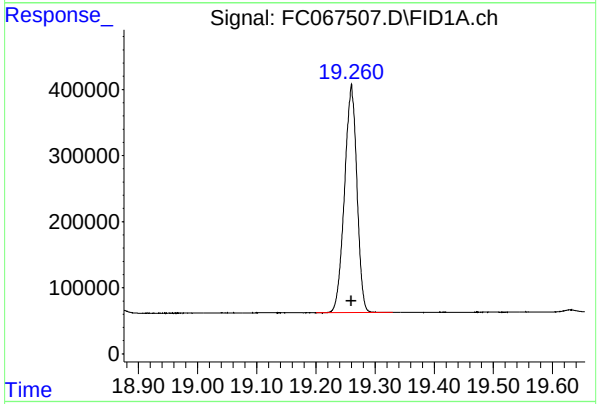
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 5830292
Conc: 50.29 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



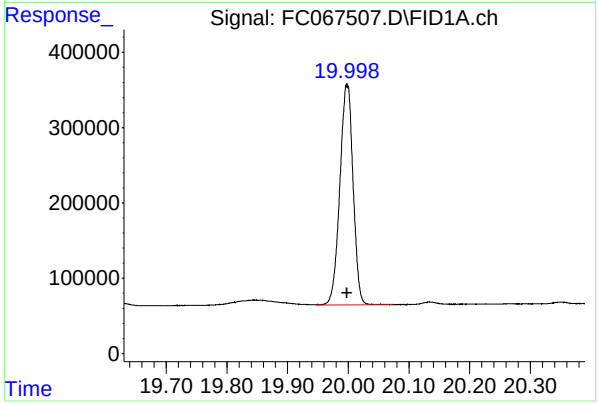
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: 0.000 min
Response: 5634053
Conc: 50.17 ug/ml



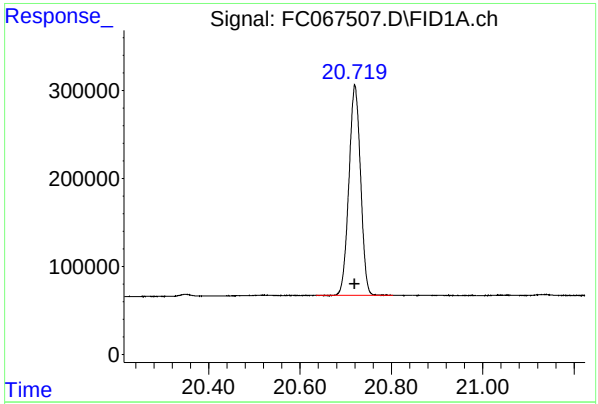
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 5024380
Conc: 50.25 ug/ml



#20 n-Hexatriacontane (C36)

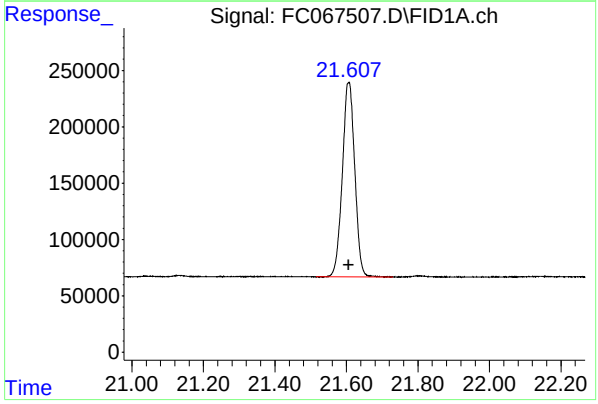
R.T.: 19.998 min
Delta R.T.: 0.000 min
Response: 4430530
Conc: 50.48 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.720 min
Delta R.T.: 0.000 min
Response: 4230730
Conc: 50.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.606 min
Delta R.T.: 0.000 min
Response: 4166615
Conc: 50.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
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 102324.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	3.275	3.245	3.343	BB	787475	6596270	89.74%	5.014%
2	4.340	4.278	4.398	BB	725048	6686022	90.96%	5.082%
3	5.918	5.860	6.020	BB	788107	7350672	100.00%	5.587%
4	6.356	6.298	6.412	BB	647440	6650893	90.48%	5.055%
5	6.974	6.923	7.082	BB	708667	7049073	95.90%	5.358%
6	8.149	8.022	8.223	BB	584678	6466785	87.98%	4.915%
7	9.747	9.688	9.835	BB	574143	6523849	88.75%	4.958%
8	11.188	11.143	11.263	BB	557552	6511575	88.58%	4.949%
9	11.500	11.440	11.558	BB	638489	7186867	97.77%	5.462%
10	12.495	12.422	12.562	BB	521546	6199533	84.34%	4.712%
11	12.937	12.873	12.993	BB	438883	5350584	72.79%	4.067%
12	13.105	13.042	13.165	BB	507791	6071593	82.60%	4.615%
13	13.691	13.618	13.763	BB	482823	6022373	81.93%	4.577%
14	14.793	14.728	14.862	BB	460497	5967985	81.19%	4.536%
15	15.812	15.635	15.878	BB	438034	5860085	79.72%	4.454%
16	16.761	16.597	16.828	BB	395517	5758647	78.34%	4.377%
17	17.647	17.578	17.717	BB	427620	5830292	79.32%	4.431%
18	18.477	18.403	18.543	BB	385150	5634053	76.65%	4.282%
19	19.260	19.200	19.330	BB	345032	5024380	68.35%	3.819%
20	19.998	19.947	20.073	VB	291698	4430530	60.27%	3.367%
21	20.720	20.635	20.803	BB	239127	4230730	57.56%	3.216%
22	21.606	21.515	21.730	BB	172709	4166615	56.68%	3.167%

Sum of corrected areas: 131569405

Aliphatic EPH 102324.M Wed Oct 23 18:21:16 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
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: Oct 23 17:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:16:59 2024
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)	11.496	2885453	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.935	2131037	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	2673666	20.000 ug/ml
2) T	n-Decane (C10)	4.339	2702691	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.916	2941492	20.000 ug/ml
4) T	n-Dodecane (C12)	6.354	2685213	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.971	2804469	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.146	2596600	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.745	2611645	20.000 ug/ml
8) T	n-Octadecane (C18)	11.185	2610385	20.000 ug/ml
10) T	n-Eicosane (C20)	12.492	2486010	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.103	2429615	20.000 ug/ml
13) T	n-Docosane (C22)	13.688	2410406	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.790	2385181	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.809	2344463	20.000 ug/ml
16) T	n-Octacosane (C28)	16.757	2318777	20.000 ug/ml
17) T	n-Tricontane (C30)	17.644	2378909	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.475	2323289	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.258	2065430	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	19.995	1794670	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.718	1712685	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.604	1679680	20.000 ug/ml

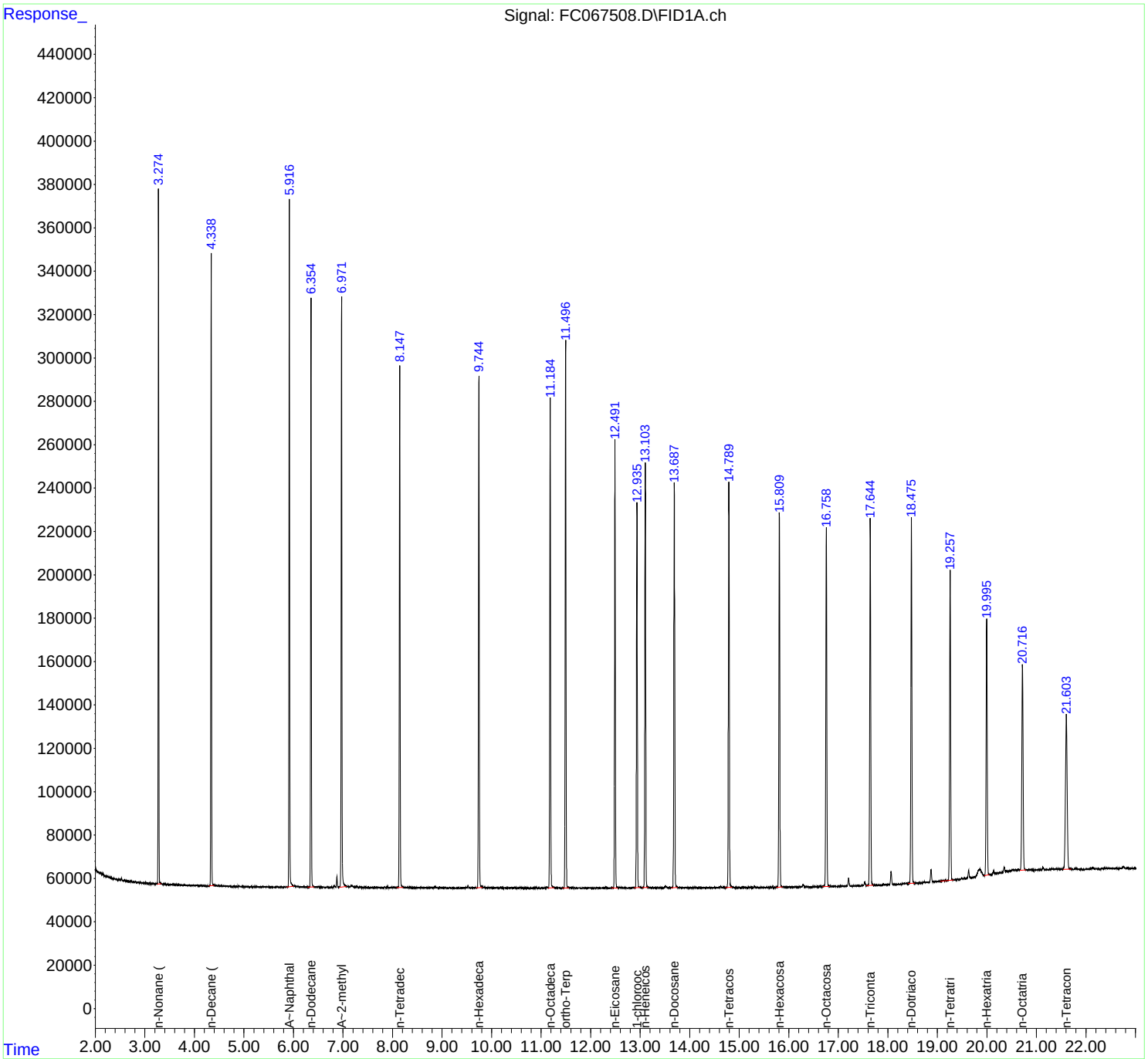
(f)=RT Delta > 1/2 Window (m)=manual int.

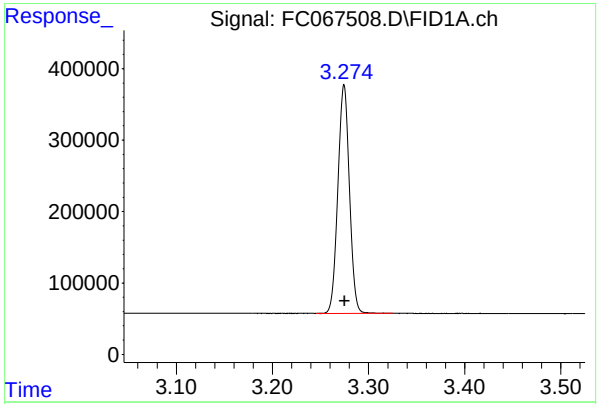
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:16:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

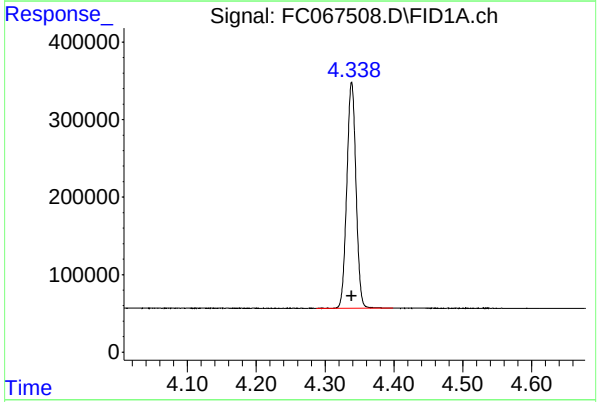




#1 n-Nonane (C9)

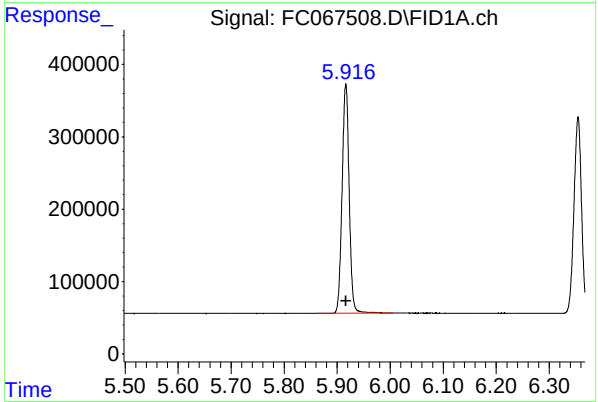
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2673666
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



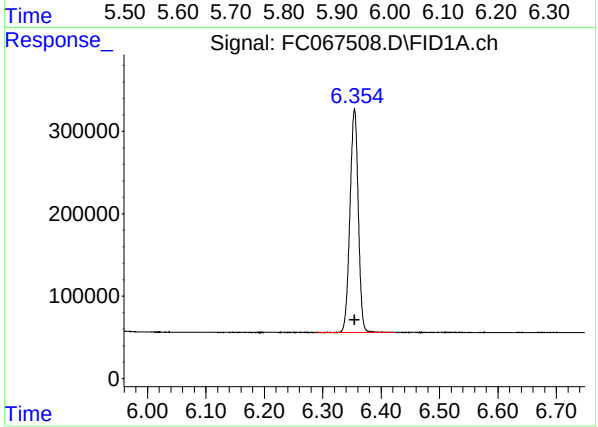
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2702691
Conc: 20.00 ug/ml



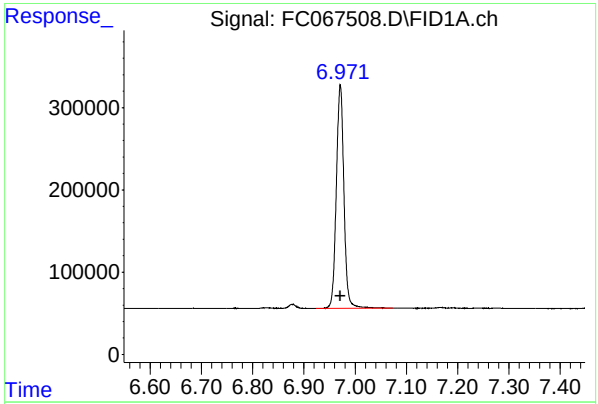
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2941492
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

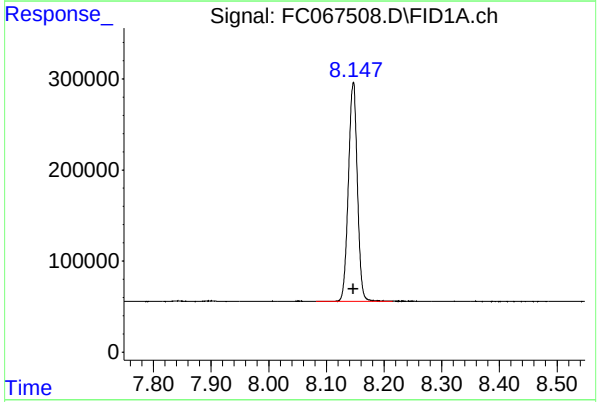
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2685213
Conc: 20.00 ug/ml



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

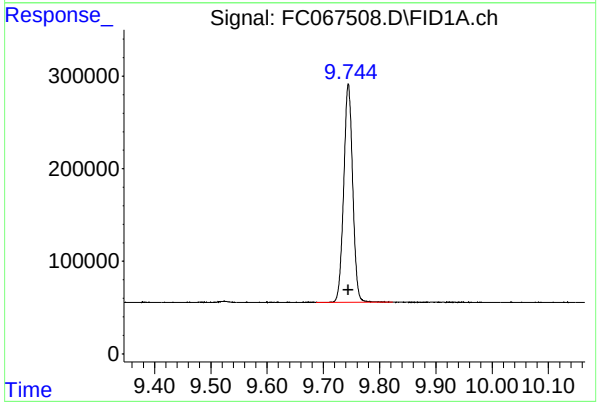
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2804469
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



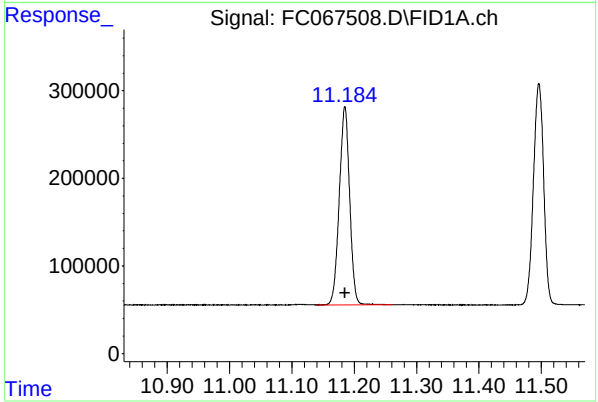
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2596600
Conc: 20.00 ug/ml



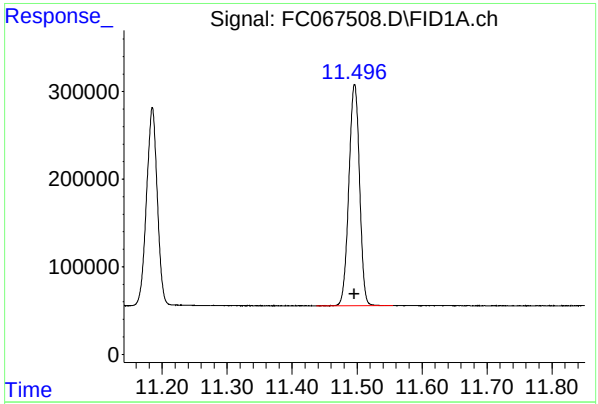
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2611645
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

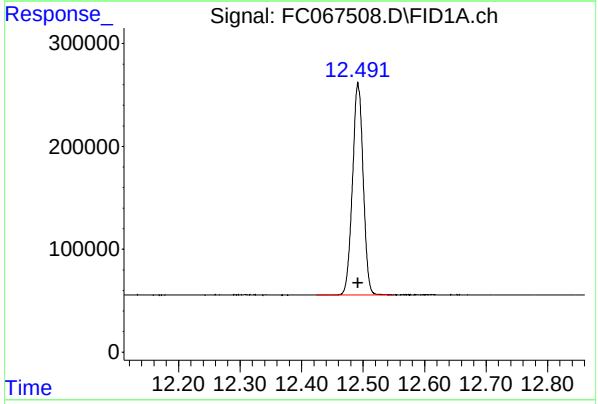
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2610385
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

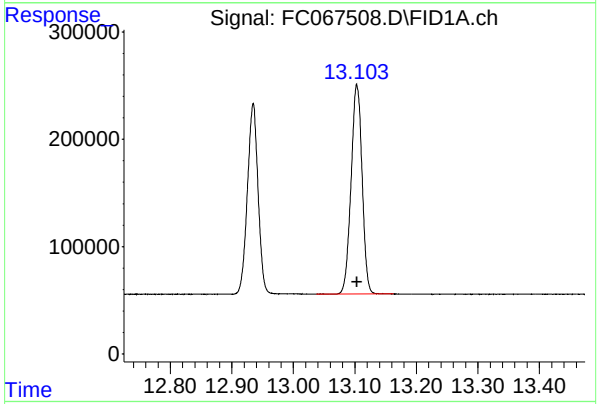
R.T.: 11.496 min
Delta R.T.: 0.000 min
Response: 2885453
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



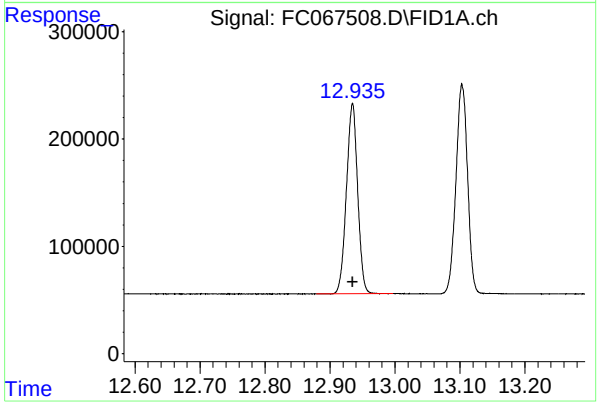
#10 n-Eicosane (C20)

R.T.: 12.492 min
Delta R.T.: 0.000 min
Response: 2486010
Conc: 20.00 ug/ml



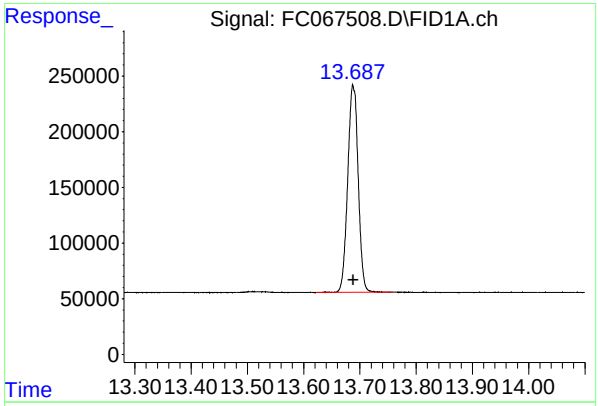
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2429615
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

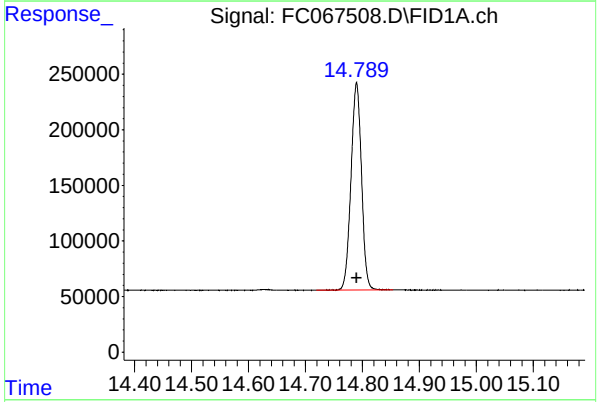
R.T.: 12.935 min
Delta R.T.: 0.000 min
Response: 2131037
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

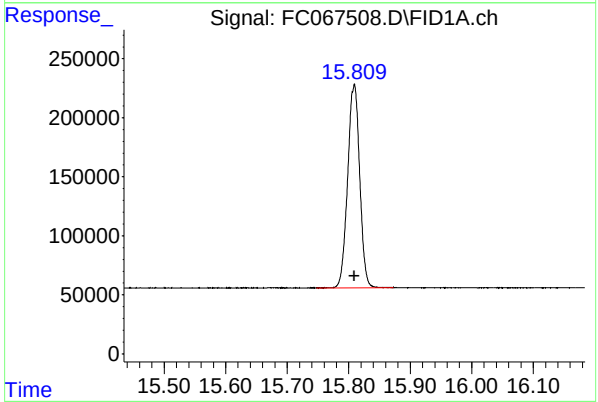
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2410406
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



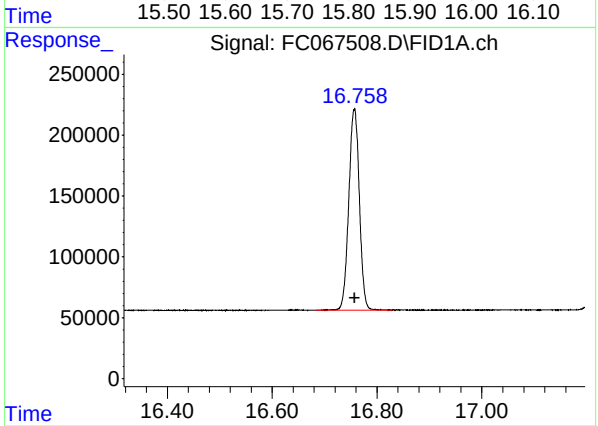
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2385181
Conc: 20.00 ug/ml



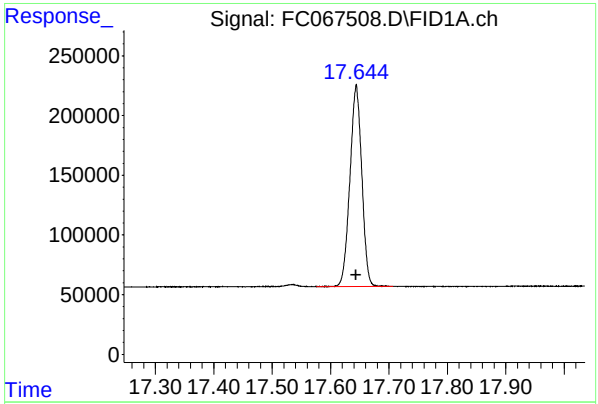
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.000 min
Response: 2344463
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

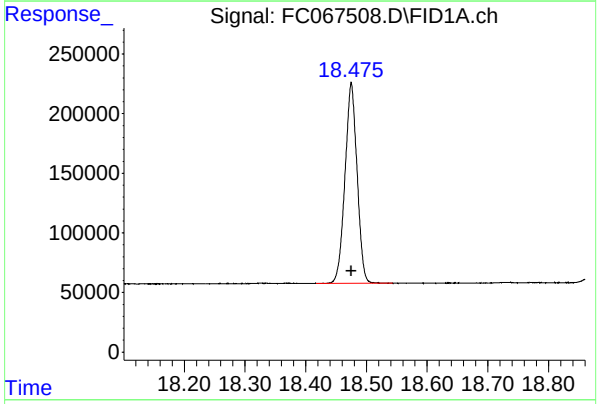
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2318777
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

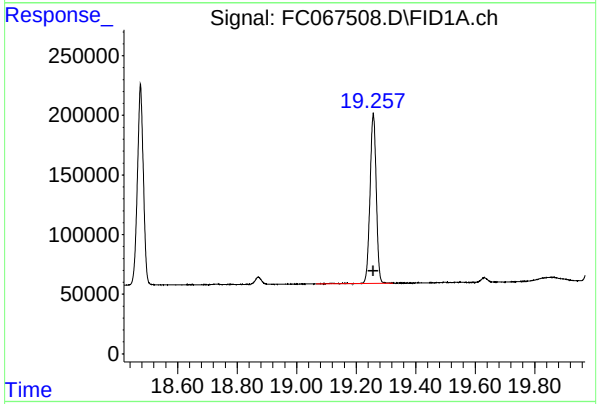
R.T.: 17.644 min
Delta R.T.: 0.000 min
Response: 2378909
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



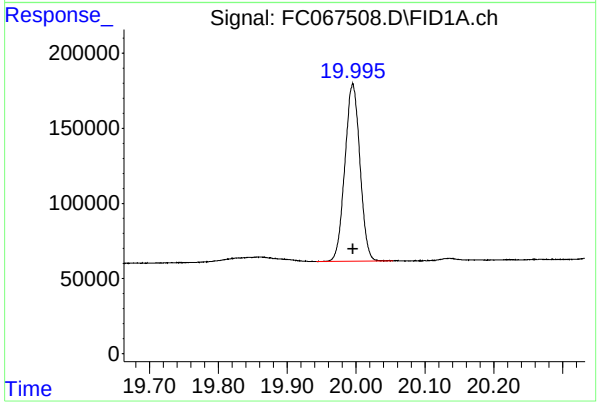
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 2323289
Conc: 20.00 ug/ml



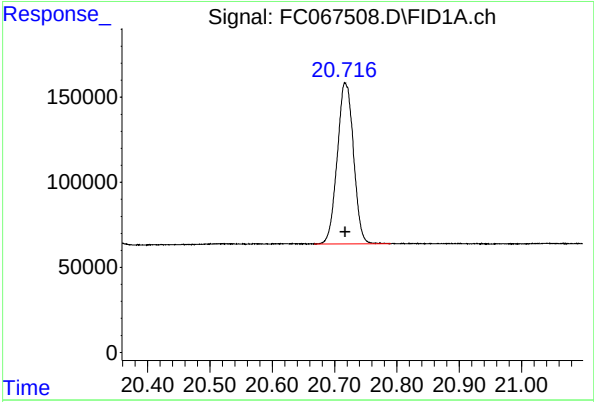
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.000 min
Response: 2065430
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

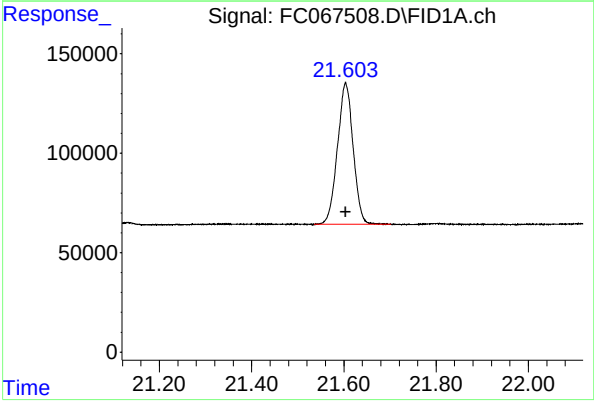
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 1794670
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 1712685
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1679680
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
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 102324.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	3.275	3.245	3.325	BB	321230	2673666	90.89%	5.047%
2	4.339	4.287	4.399	BB	291890	2702691	91.88%	5.102%
3	5.916	5.860	6.005	BB	318035	2941492	100.00%	5.553%
4	6.354	6.289	6.420	BB	270407	2685213	91.29%	5.069%
5	6.971	6.924	7.074	BB	271627	2804469	95.34%	5.294%
6	8.146	8.082	8.215	BB	241446	2596600	88.27%	4.902%
7	9.745	9.687	9.824	BB	236243	2611645	88.79%	4.930%
8	11.185	11.139	11.262	BB	226739	2610385	88.74%	4.928%
9	11.496	11.437	11.555	BB	253146	2885453	98.09%	5.447%
10	12.492	12.424	12.549	BB	205716	2486010	84.52%	4.693%
11	12.935	12.879	12.997	BB	178352	2131037	72.45%	4.023%
12	13.103	13.037	13.162	BB	194305	2429615	82.60%	4.587%
13	13.688	13.622	13.759	BB	184039	2410406	81.95%	4.550%
14	14.790	14.719	14.854	BB	186782	2385181	81.09%	4.503%
15	15.809	15.747	15.872	BB	171744	2344463	79.70%	4.426%
16	16.757	16.684	16.830	BB	165164	2318777	78.83%	4.377%
17	17.644	17.575	17.707	BB	168160	2378909	80.87%	4.491%
18	18.475	18.417	18.544	BB	168488	2323289	78.98%	4.386%
19	19.258	19.065	19.324	BB	141960	2065430	70.22%	3.899%
20	19.995	19.942	20.054	PB	118336	1794670	61.01%	3.388%
21	20.718	20.667	20.790	BB	94381	1712685	58.23%	3.233%
22	21.604	21.535	21.702	BB	71304	1679680	57.10%	3.171%
			Sum of corrected areas:			52971767		

Aliphatic EPH 102324.M Wed Oct 23 18:21:40 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
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: Oct 23 17:42:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:42:09 2024
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)	11.495	1516253	10.457 ug/ml
Spiked Amount	50.000		Recovery =	20.91%
12)	S 1-chlorooctadecane (S...	12.934	1104370	10.299 ug/ml
Spiked Amount	50.000		Recovery =	20.60%
	Target Compounds			
1)	T n-Nonane (C9)	3.274	1392325	10.429 ug/ml
2)	T n-Decane (C10)	4.338	1408883	10.425 ug/ml
3)	T A~Naphthalene (C11.7)	5.916	1523229	10.321 ug/ml
4)	T n-Dodecane (C12)	6.353	1397121	10.404 ug/ml
5)	T A~2-methylnaphthalene...	6.971	1445653	10.250 ug/ml
6)	T n-Tetradecane (C14)	8.146	1348794	10.363 ug/ml
7)	T n-Hexadecane (C16)	9.744	1353251	10.321 ug/ml
8)	T n-Octadecane (C18)	11.184	1362847	10.395 ug/ml
10)	T n-Eicosane (C20)	12.491	1299257	10.409 ug/ml
11)	T n-Heneicosane (C21)	13.102	1272574	10.413 ug/ml
13)	T n-Docosane (C22)	13.687	1260218	10.404 ug/ml
14)	T n-Tetracosane (C24)	14.789	1251574	10.427 ug/ml
15)	T n-Hexacosane (C26)	15.808	1226594	10.413 ug/ml
16)	T n-Octacosane (C28)	16.756	1213286	10.461 ug/ml
17)	T n-Tricontane (C30)	17.643	1249088	10.570 ug/ml
18)	T n-Dotriacontane (C32)	18.474	1225099	10.667 ug/ml
19)	T n-Tetratriacontane (C34)	19.257	1087201	10.641 ug/ml
20)	T n-Hexatriacontane (C36)	19.995	941330	10.535 ug/ml
21)	T n-Octatriacontane (C38)	20.719	898154	10.530 ug/ml
22)	T n-Tetracontane (C40)	21.604	882650	10.523 ug/ml

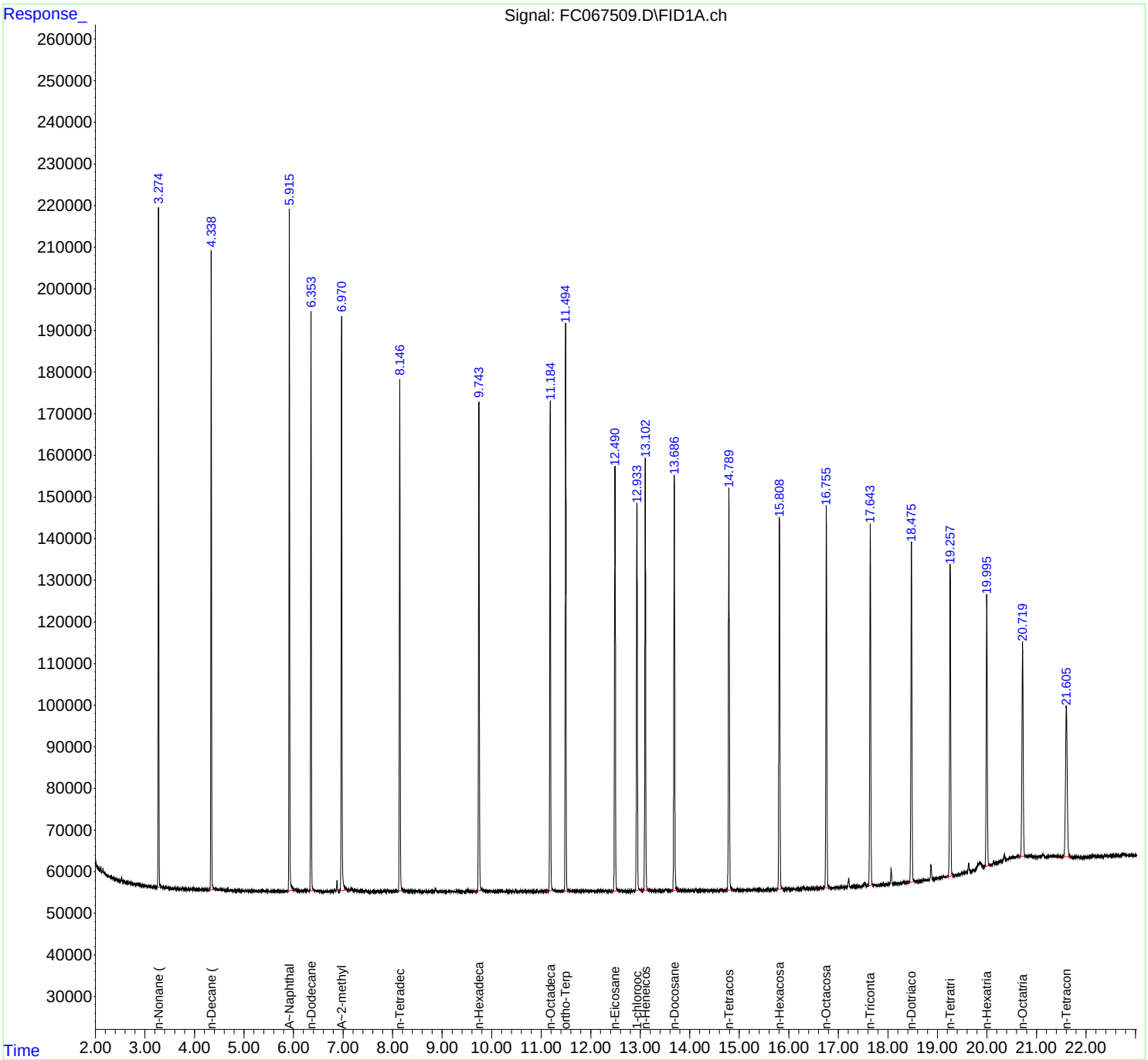
(f)=RT Delta > 1/2 Window (m)=manual int.

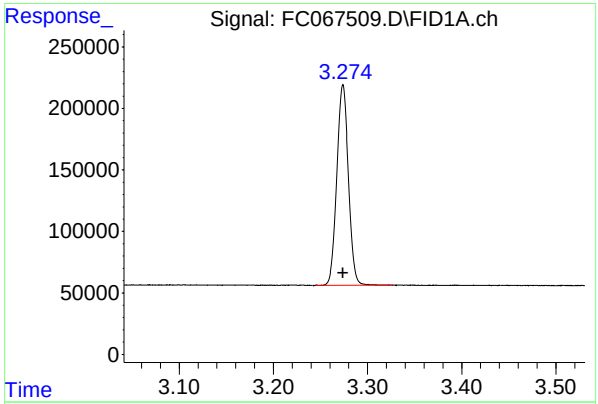
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:42:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:42:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

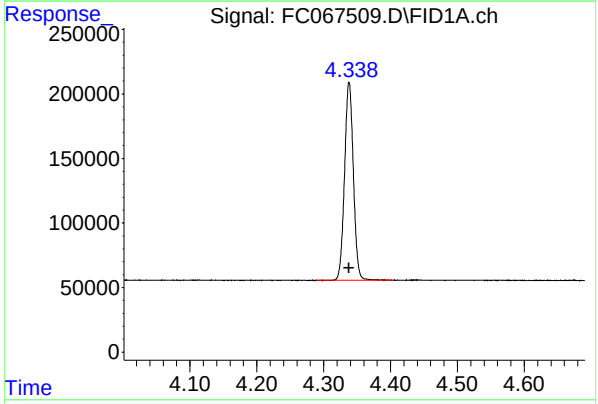




#1 n-Nonane (C9)

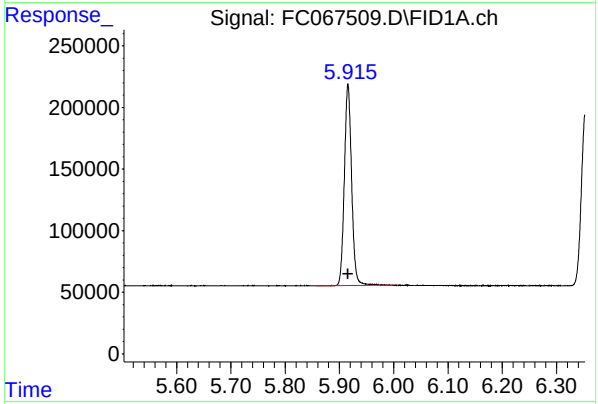
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 1392325
Conc: 10.43 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



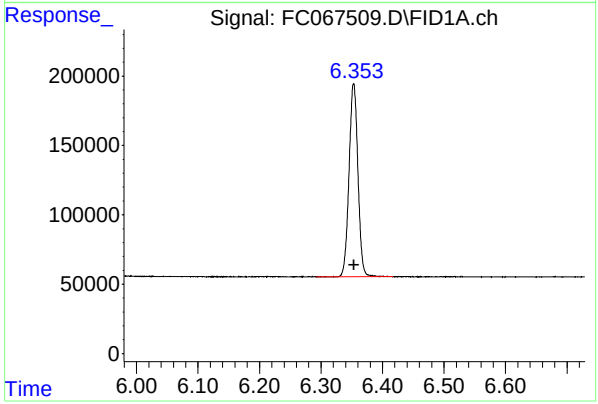
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 1408883
Conc: 10.42 ug/ml



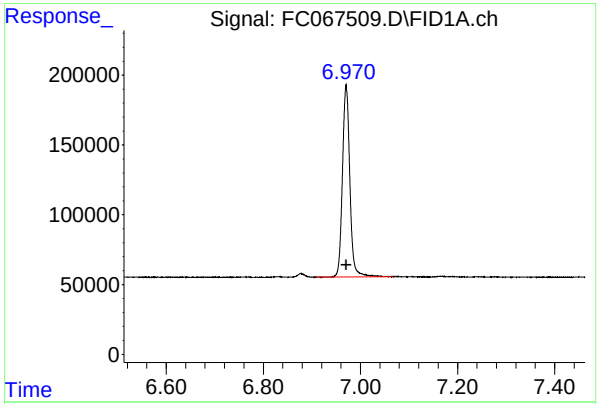
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 1523229
Conc: 10.32 ug/ml



#4 n-Dodecane (C12)

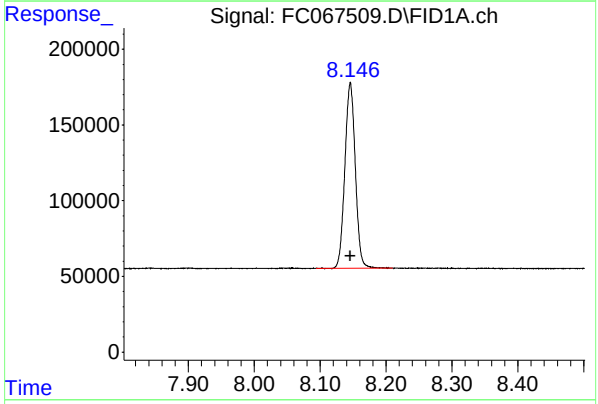
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1397121
Conc: 10.40 ug/ml



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

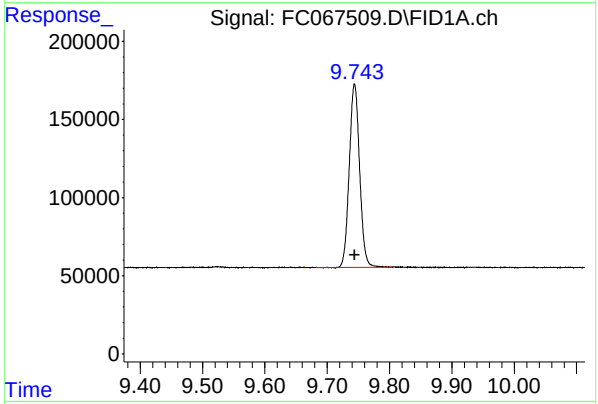
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 1445653
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



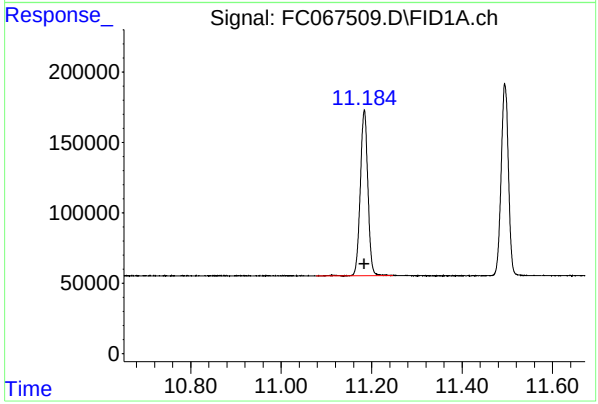
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1348794
Conc: 10.36 ug/ml



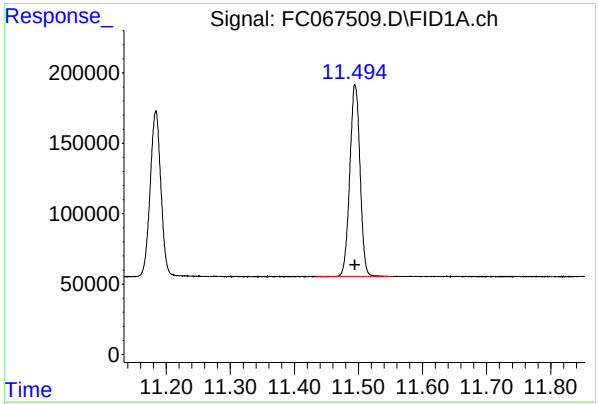
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 1353251
Conc: 10.32 ug/ml



#8 n-Octadecane (C18)

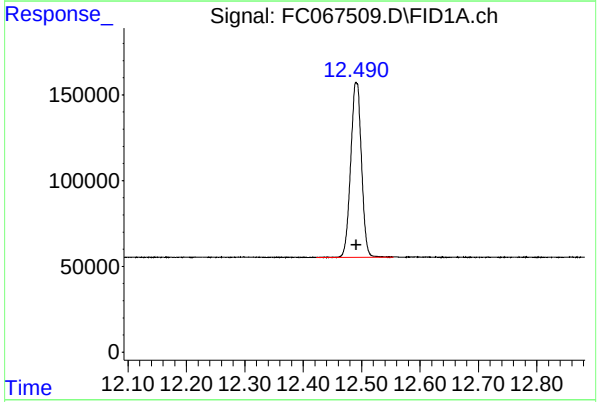
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 1362847
Conc: 10.39 ug/ml



#9 ortho-Terphenyl (SURR)

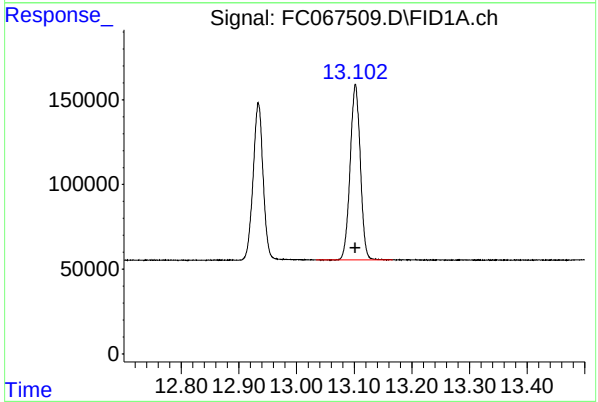
R.T.: 11.495 min
Delta R.T.: 0.000 min
Response: 1516253
Conc: 10.46 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



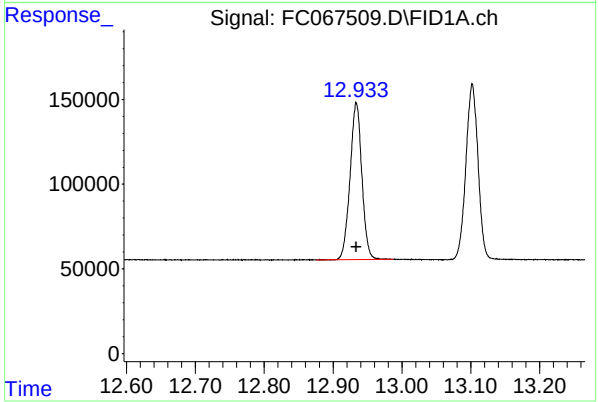
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 1299257
Conc: 10.41 ug/ml



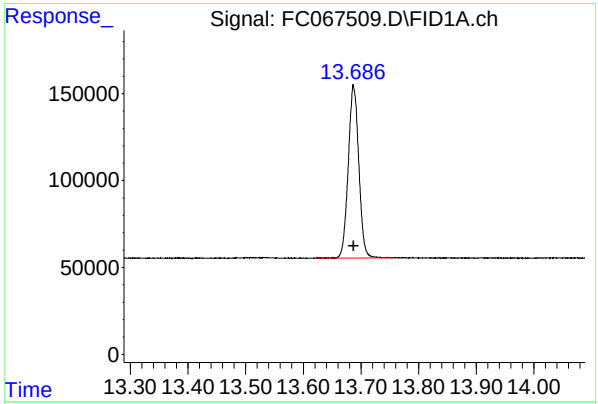
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 1272574
Conc: 10.41 ug/ml



#12 1-chlorooctadecane (SURR)

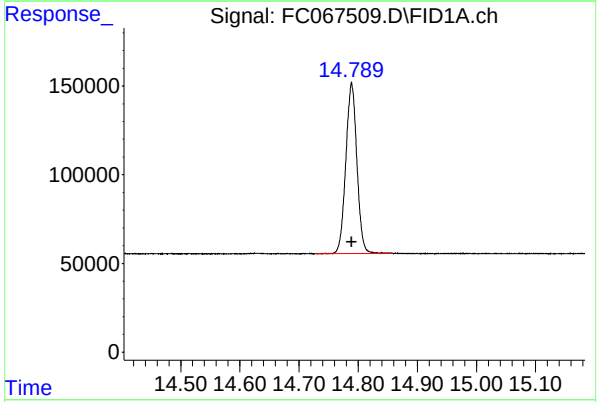
R.T.: 12.934 min
Delta R.T.: 0.000 min
Response: 1104370
Conc: 10.30 ug/ml



#13 n-Docosane (C22)

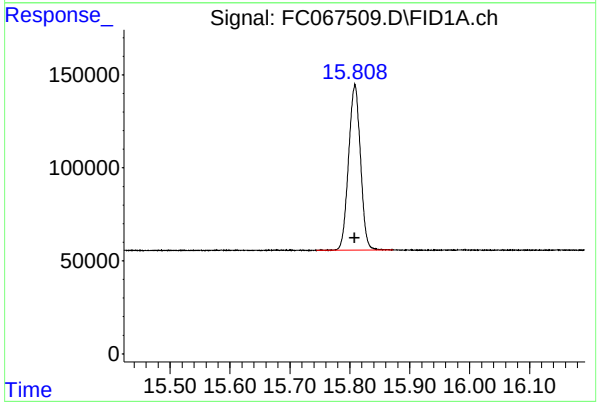
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1260218
Conc: 10.40 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



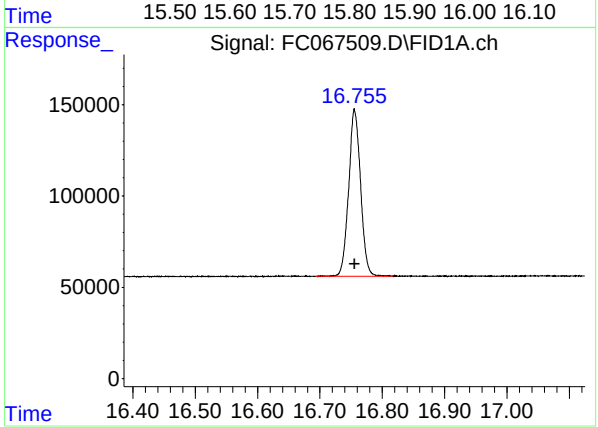
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 1251574
Conc: 10.43 ug/ml



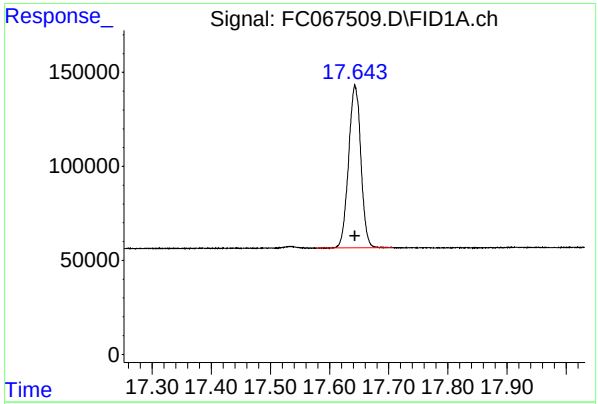
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 1226594
Conc: 10.41 ug/ml



#16 n-Octacosane (C28)

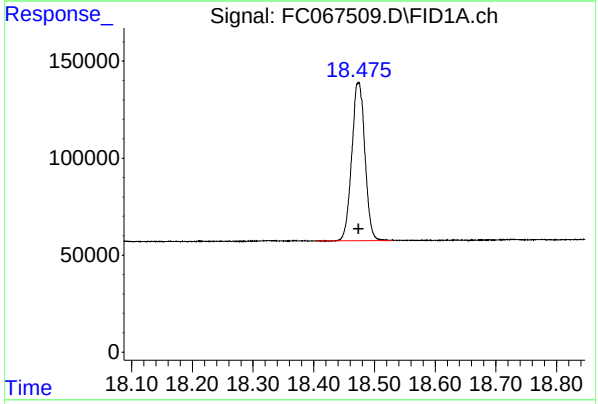
R.T.: 16.756 min
Delta R.T.: 0.000 min
Response: 1213286
Conc: 10.46 ug/ml



#17 n-Tricontane (C30)

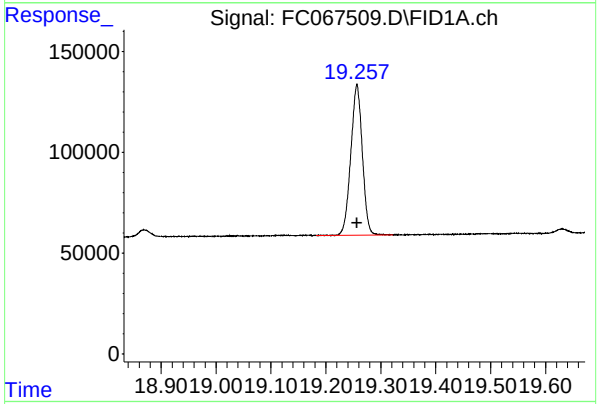
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 1249088
Conc: 10.57 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



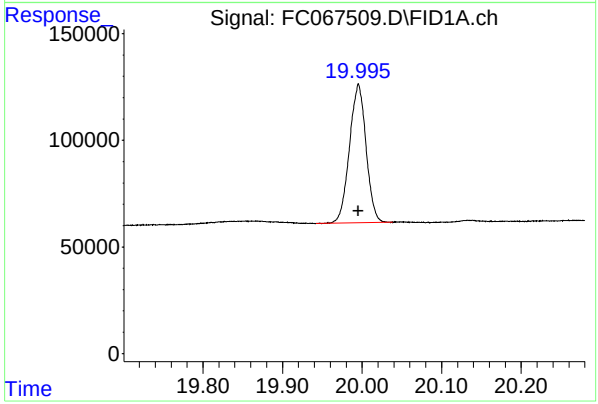
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 1225099
Conc: 10.67 ug/ml



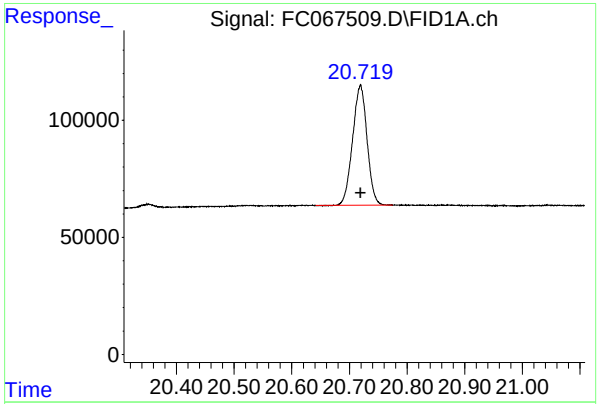
#19 n-Tetratriacontane (C34)

R.T.: 19.257 min
Delta R.T.: 0.000 min
Response: 1087201
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

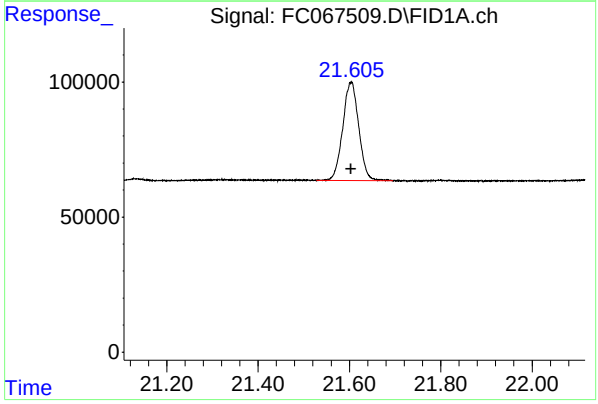
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 941330
Conc: 10.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 898154
Conc: 10.53 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 882650
Conc: 10.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
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 102324.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	3.274	3.245	3.327	BB	163023	1392325	91.41%	5.034%
2	4.338	4.289	4.404	BB	153448	1408883	92.49%	5.094%
3	5.916	5.857	5.999	BB	163420	1523229	100.00%	5.507%
4	6.353	6.292	6.417	BB	139335	1397121	91.72%	5.051%
5	6.971	6.909	7.067	BB	137359	1445653	94.91%	5.227%
6	8.146	8.094	8.210	BB	122199	1348794	88.55%	4.876%
7	9.744	9.682	9.805	BB	117477	1353251	88.84%	4.892%
8	11.184	11.077	11.247	BB	117457	1362847	89.47%	4.927%
9	11.495	11.434	11.554	BB	135385	1516253	99.54%	5.482%
10	12.491	12.422	12.554	BB	101975	1299257	85.30%	4.697%
11	12.934	12.875	12.987	BB	92846	1104370	72.50%	3.993%
12	13.102	13.034	13.167	BB	103848	1272574	83.54%	4.601%
13	13.687	13.622	13.755	BB	98770	1260218	82.73%	4.556%
14	14.789	14.729	14.859	BB	96250	1251574	82.17%	4.525%
15	15.808	15.744	15.872	BB	89337	1226594	80.53%	4.435%
16	16.756	16.694	16.817	BB	91173	1213286	79.65%	4.386%
17	17.643	17.577	17.707	BB	85908	1249088	82.00%	4.516%
18	18.474	18.404	18.530	BB	81392	1225099	80.43%	4.429%
19	19.257	19.182	19.322	BB	75084	1087201	71.37%	3.931%
20	19.995	19.942	20.039	BB	65222	941330	61.80%	3.403%
21	20.719	20.642	20.775	BB	51277	898154	58.96%	3.247%
22	21.604	21.527	21.695	BB	35971	882650	57.95%	3.191%
			Sum of corrected areas:			27659751		

Aliphatic EPH 102324.M Wed Oct 23 18:21:58 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
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: Oct 23 18:12:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:02 2024
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)	11.494	768220	5.236 ug/ml
Spiked Amount	50.000		Recovery =	10.47%
12)	S 1-chlorooctadecane (S...	12.933	555182	5.141 ug/ml
Spiked Amount	50.000		Recovery =	10.28%
	Target Compounds			
1)	T n-Nonane (C9)	3.275	697792	5.180 ug/ml
2)	T n-Decane (C10)	4.339	703136	5.161 ug/ml
3)	T A~Naphthalene (C11.7)	5.917	752949	5.081 ug/ml
4)	T n-Dodecane (C12)	6.354	700270	5.170 ug/ml
5)	T A~2-methylnaphthalene...	6.971	709834	5.026 ug/ml
6)	T n-Tetradecane (C14)	8.146	678328	5.168 ug/ml
7)	T n-Hexadecane (C16)	9.744	680213	5.149 ug/ml
8)	T n-Octadecane (C18)	11.184	680709	5.152 ug/ml
10)	T n-Eicosane (C20)	12.491	658066	5.215 ug/ml
11)	T n-Heneicosane (C21)	13.102	641065	5.194 ug/ml
13)	T n-Docosane (C22)	13.687	638712	5.216 ug/ml
14)	T n-Tetracosane (C24)	14.789	629495	5.193 ug/ml
15)	T n-Hexacosane (C26)	15.808	620443	5.211 ug/ml
16)	T n-Octacosane (C28)	16.758	621629	5.284 ug/ml
17)	T n-Tricontane (C30)	17.643	658247	5.446 ug/ml
18)	T n-Dotriacontane (C32)	18.474	660916	5.586 ug/ml
19)	T n-Tetratriacontane (C34)	19.256	574804	5.489 ug/ml
20)	T n-Hexatriacontane (C36)	19.994	488556	5.367 ug/ml
21)	T n-Octatriacontane (C38)	20.718	459107	5.301 ug/ml
22)	T n-Tetracontane (C40)	21.603	447730	5.267 ug/ml

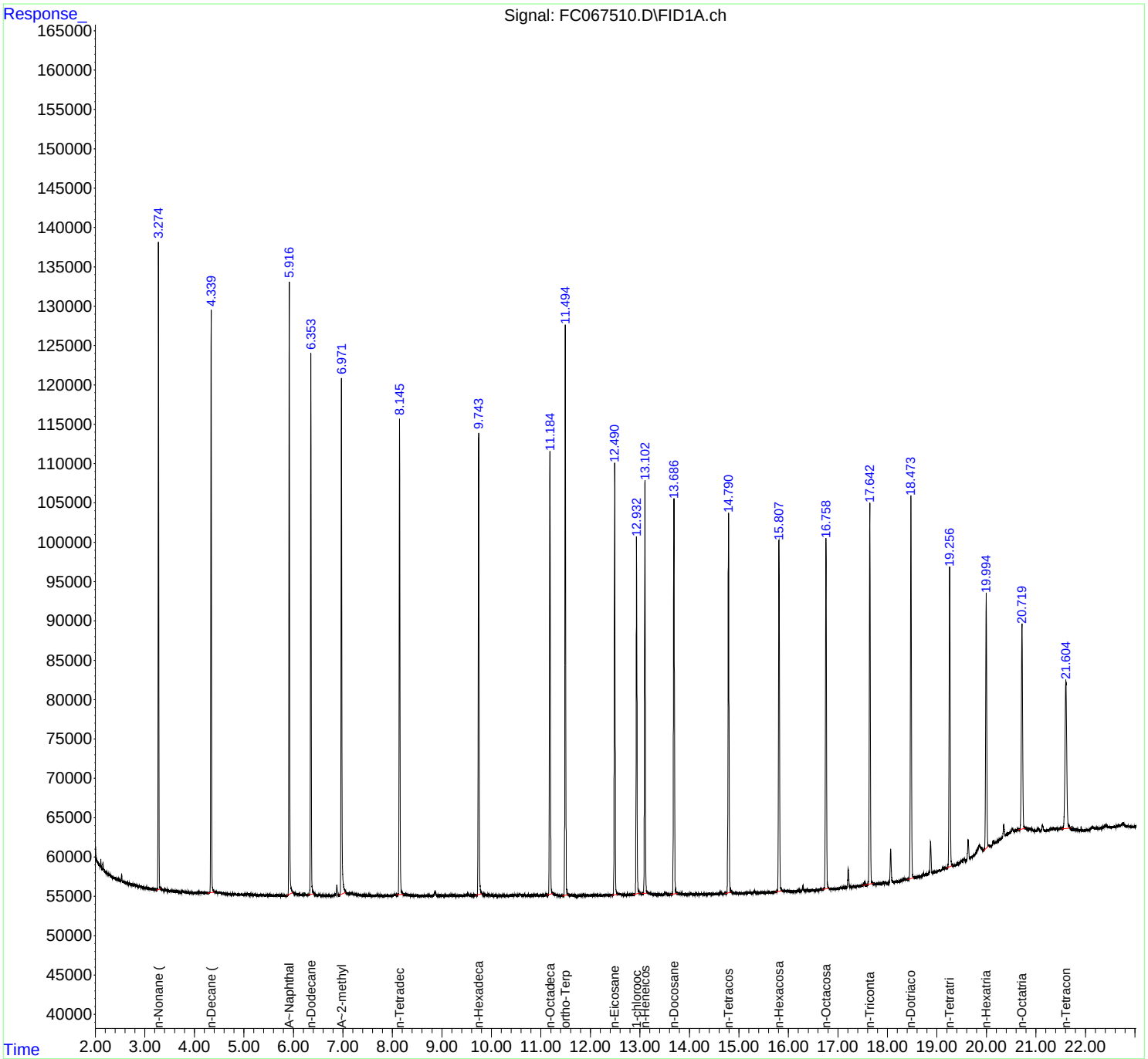
(f)=RT Delta > 1/2 Window (m)=manual int.

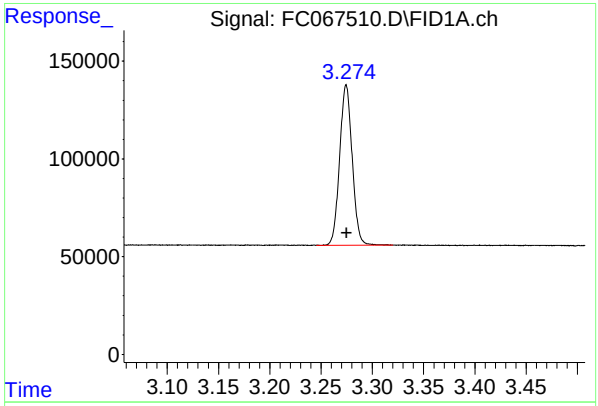
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:12:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

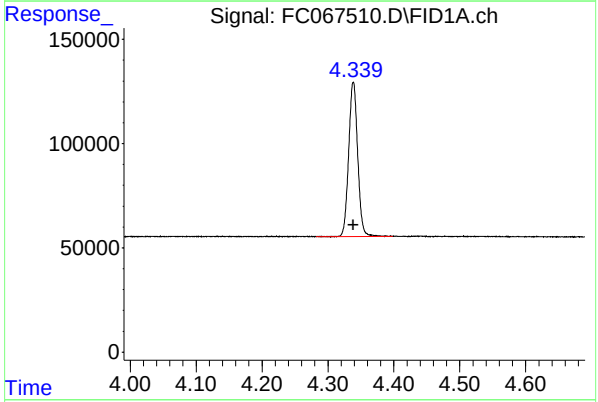




#1 n-Nonane (C9)

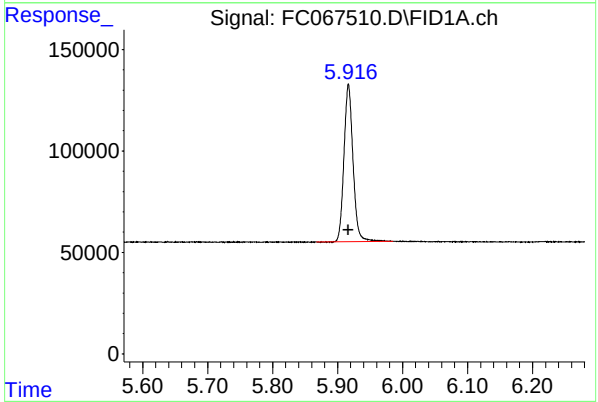
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 697792
Conc: 5.18 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



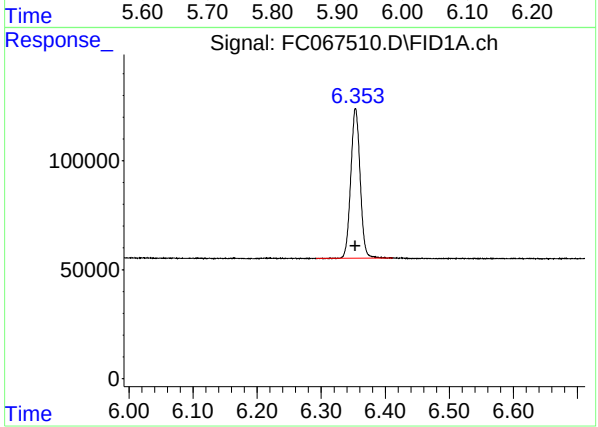
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 703136
Conc: 5.16 ug/ml



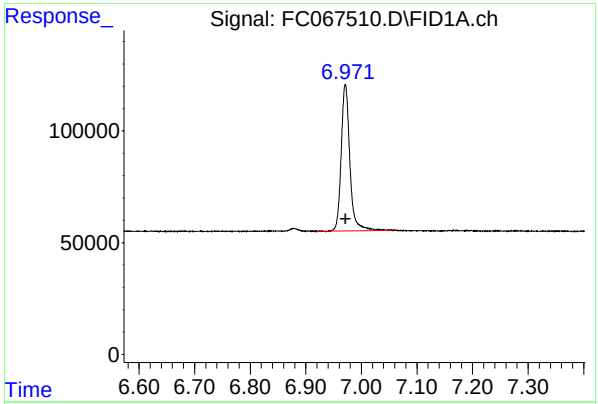
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 752949
Conc: 5.08 ug/ml



#4 n-Dodecane (C12)

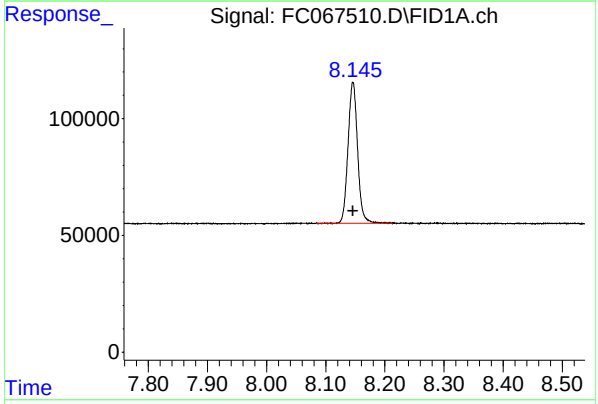
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 700270
Conc: 5.17 ug/ml



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

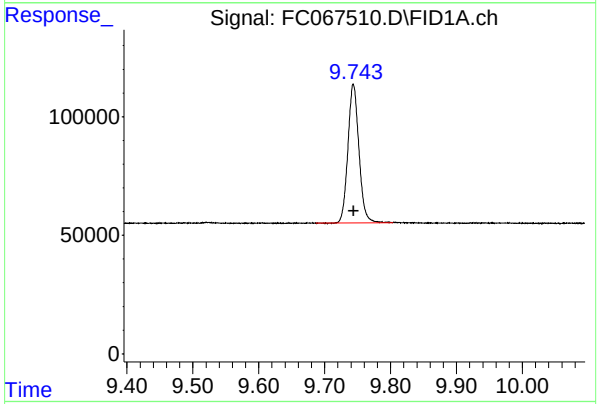
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 709834
Conc: 5.03 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



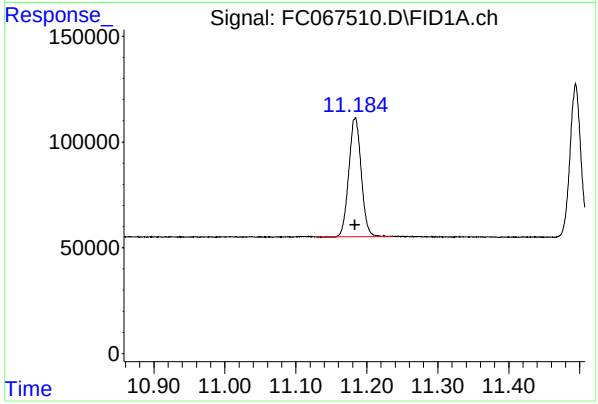
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 678328
Conc: 5.17 ug/ml



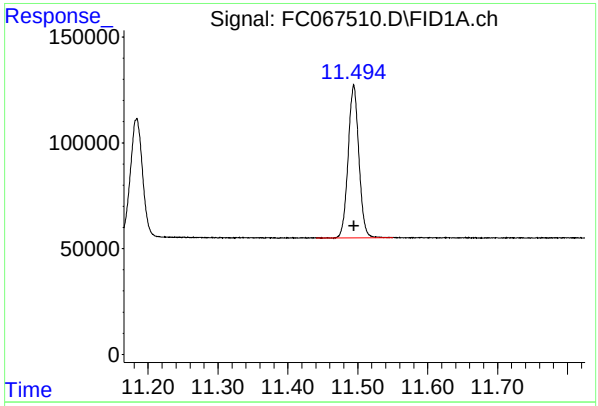
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 680213
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

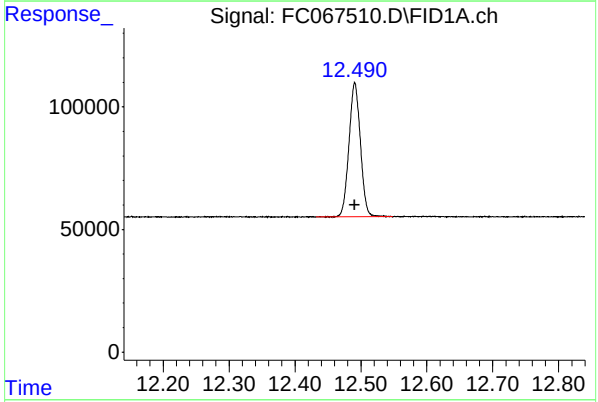
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 680709
Conc: 5.15 ug/ml



#9 ortho-Terphenyl (SURR)

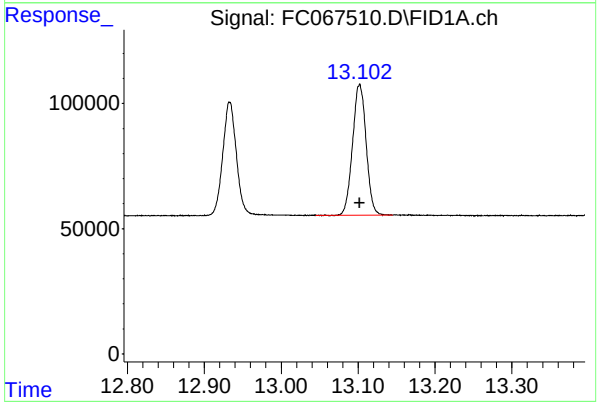
R.T.: 11.494 min
Delta R.T.: 0.000 min
Response: 768220
Conc: 5.24 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



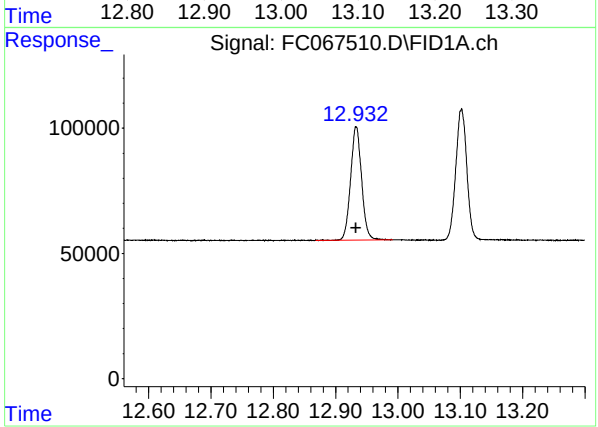
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 658066
Conc: 5.22 ug/ml



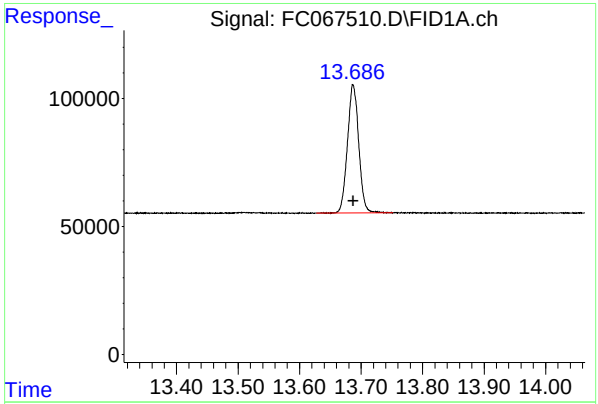
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 641065
Conc: 5.19 ug/ml



#12 1-chlorooctadecane (SURR)

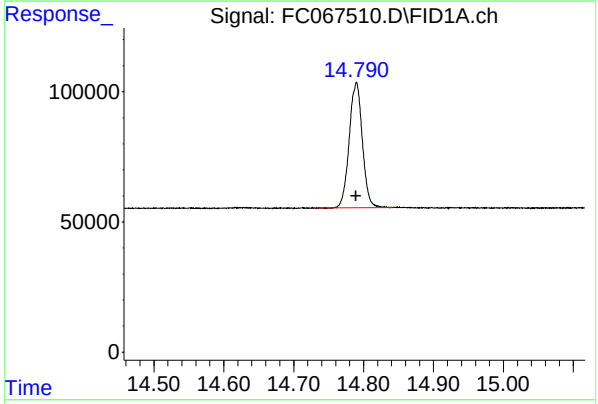
R.T.: 12.933 min
Delta R.T.: 0.000 min
Response: 555182
Conc: 5.14 ug/ml



#13 n-Docosane (C22)

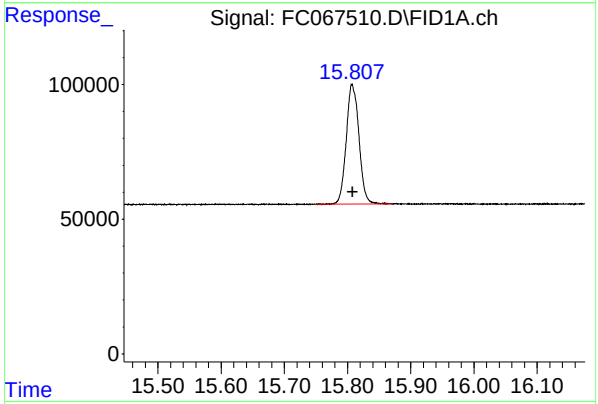
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 638712
Conc: 5.22 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



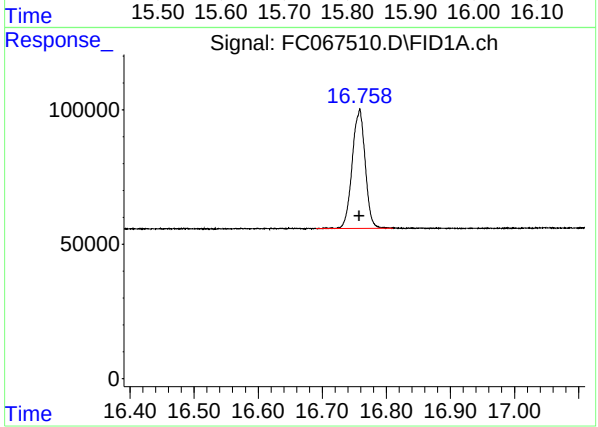
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 629495
Conc: 5.19 ug/ml



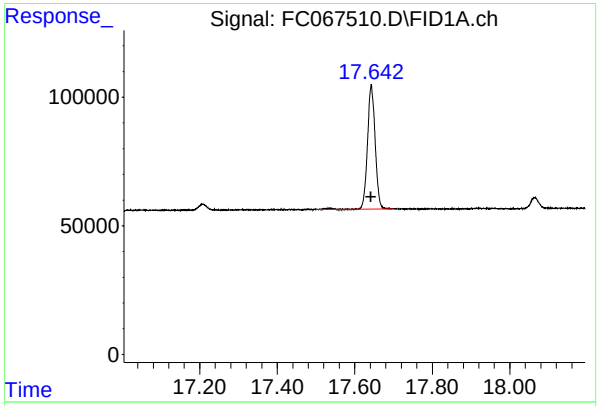
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 620443
Conc: 5.21 ug/ml



#16 n-Octacosane (C28)

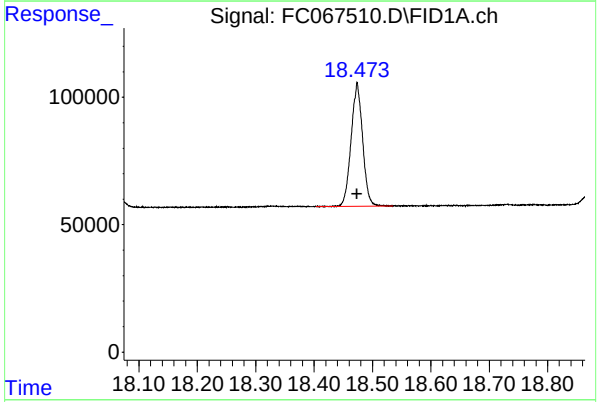
R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 621629
Conc: 5.28 ug/ml



#17 n-Tricontane (C30)

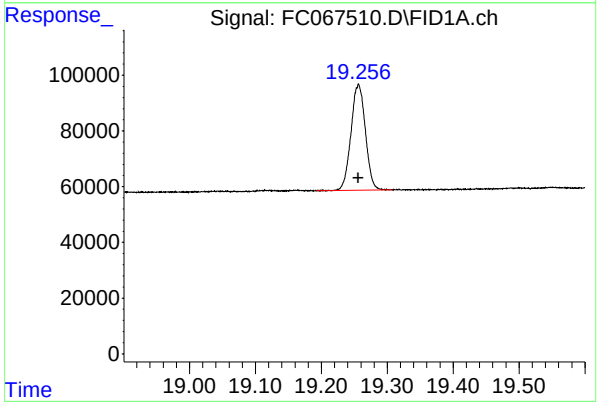
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 658247
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



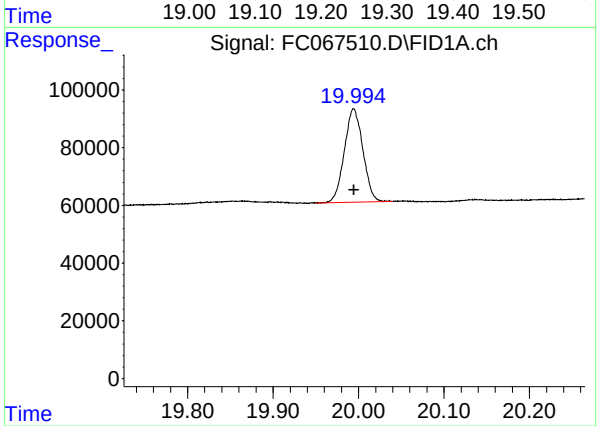
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 660916
Conc: 5.59 ug/ml



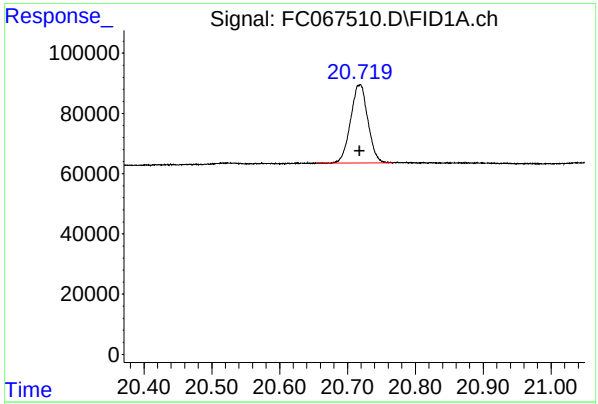
#19 n-Tetratriacontane (C34)

R.T.: 19.256 min
Delta R.T.: 0.000 min
Response: 574804
Conc: 5.49 ug/ml



#20 n-Hexatriacontane (C36)

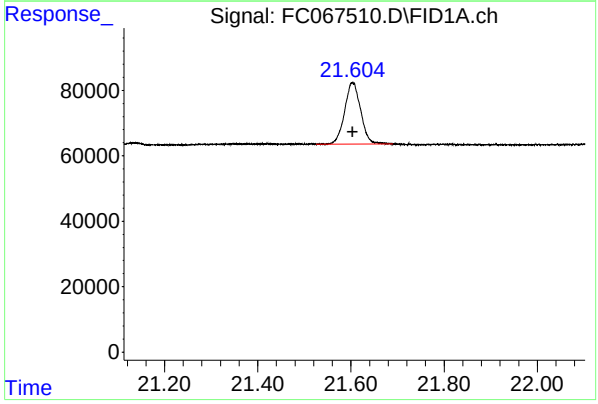
R.T.: 19.994 min
Delta R.T.: 0.000 min
Response: 488556
Conc: 5.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 459107
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.603 min
Delta R.T.: 0.000 min
Response: 447730
Conc: 5.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
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 102324.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	3.275	3.245	3.320	BB	82274	697792	90.83%	4.975%
2	4.339	4.282	4.399	BB	74065	703136	91.53%	5.013%
3	5.917	5.867	5.985	BB	77688	752949	98.01%	5.368%
4	6.354	6.292	6.412	BB	68794	700270	91.15%	4.993%
5	6.971	6.919	7.057	BB	65640	709834	92.40%	5.061%
6	8.146	8.084	8.214	BB	60655	678328	88.30%	4.836%
7	9.744	9.687	9.804	BB	58521	680213	88.54%	4.850%
8	11.184	11.129	11.237	BB	55995	680709	88.61%	4.853%
9	11.494	11.440	11.550	BB	71976	768220	100.00%	5.477%
10	12.491	12.432	12.549	BB	54755	658066	85.66%	4.692%
11	12.933	12.869	12.992	BB	45156	555182	72.27%	3.958%
12	13.102	13.045	13.145	BB	52087	641065	83.45%	4.571%
13	13.687	13.627	13.752	BB	50083	638712	83.14%	4.554%
14	14.789	14.732	14.842	BB	47789	629495	81.94%	4.488%
15	15.808	15.750	15.872	BB	43825	620443	80.76%	4.424%
16	16.758	16.690	16.810	BB	44656	621629	80.92%	4.432%
17	17.643	17.500	17.699	BB	47945	658247	85.68%	4.693%
18	18.474	18.404	18.535	BB	48459	660916	86.03%	4.712%
19	19.256	19.192	19.309	BB	38187	574804	74.82%	4.098%
20	19.994	19.950	20.040	BB	32420	488556	63.60%	3.483%
21	20.718	20.654	20.767	BB	25975	459107	59.76%	3.273%
22	21.603	21.525	21.690	BB	18849	447730	58.28%	3.192%
			Sum of corrected areas:			14025400		

Aliphatic EPH 102324.M Wed Oct 23 18:22:16 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
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: Oct 23 18:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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)	11.496	2853188	19.445 ug/ml
Spiked Amount	50.000		Recovery =	38.89%
12) S	1-chlorooctadecane (S...	12.935	2112213	19.560 ug/ml
Spiked Amount	50.000		Recovery =	39.12%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	2613683	19.401 ug/ml
2) T	n-Decane (C10)	4.339	2649286	19.445 ug/ml
3) T	A~Naphthalene (C11.7)	5.916	2894144	19.530 ug/ml
4) T	n-Dodecane (C12)	6.354	2640477	19.495 ug/ml
5) T	A~2-methylnaphthalene...	6.971	2771002	19.622 ug/ml
6) T	n-Tetradecane (C14)	8.147	2559793	19.502 ug/ml
7) T	n-Hexadecane (C16)	9.744	2585935	19.575 ug/ml
8) T	n-Octadecane (C18)	11.185	2593351	19.630 ug/ml
10) T	n-Eicosane (C20)	12.493	2466507	19.548 ug/ml
11) T	n-Heneicosane (C21)	13.103	2414000	19.560 ug/ml
13) T	n-Docosane (C22)	13.688	2390568	19.523 ug/ml
14) T	n-Tetracosane (C24)	14.790	2369147	19.546 ug/ml
15) T	n-Hexacosane (C26)	15.809	2326770	19.544 ug/ml
16) T	n-Octacosane (C28)	16.757	2297199	19.526 ug/ml
17) T	n-Tricontane (C30)	17.643	2353840	19.474 ug/ml
18) T	n-Dotriacontane (C32)	18.474	2301371	19.450 ug/ml
19) T	n-Tetratriacontane (C34)	19.258	2044186	19.519 ug/ml
20) T	n-Hexatriacontane (C36)	19.996	1784212	19.601 ug/ml
21) T	n-Octatriacontane (C38)	20.719	1698313	19.610 ug/ml
22) T	n-Tetracontane (C40)	21.604	1661417	19.544 ug/ml

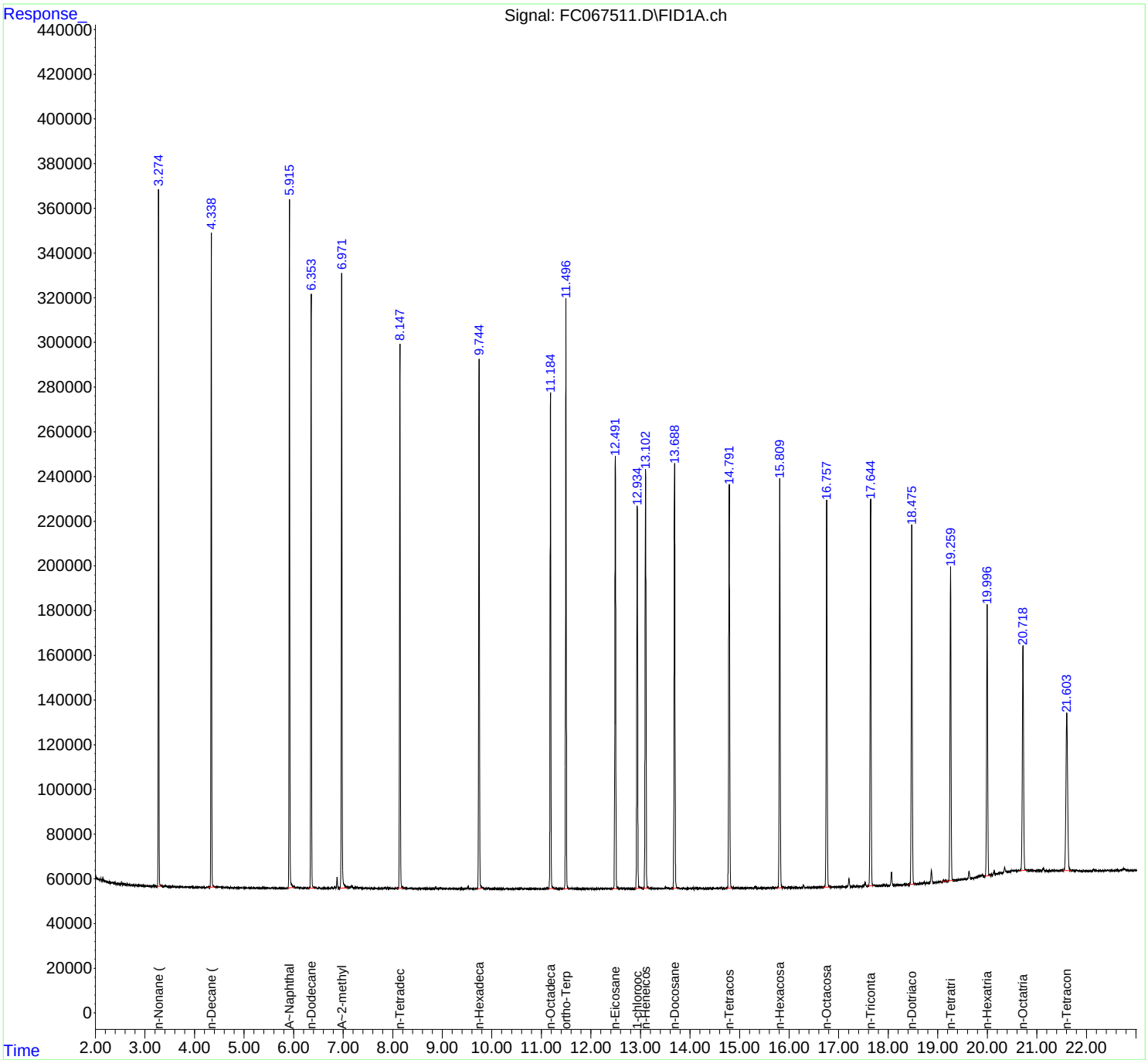
(f)=RT Delta > 1/2 Window (m)=manual int.

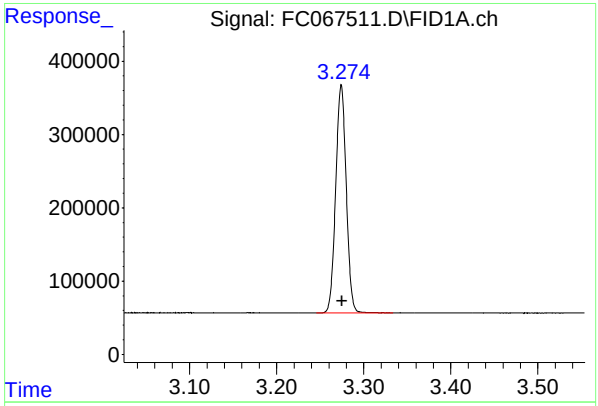
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

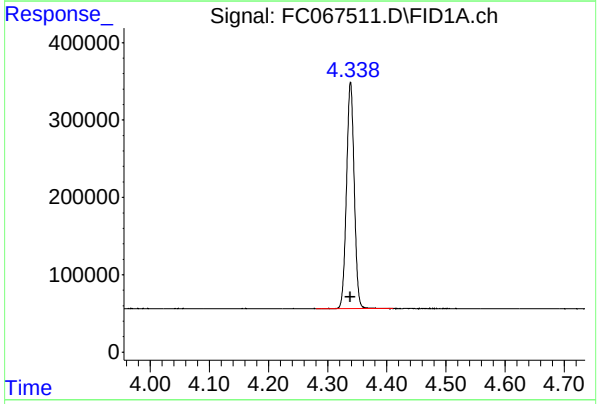




#1 n-Nonane (C9)

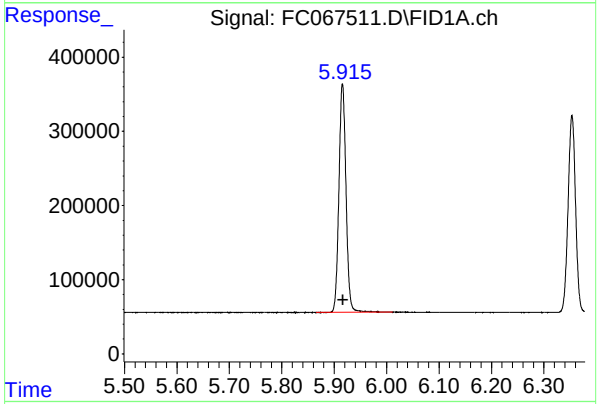
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 2613683
Conc: 19.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



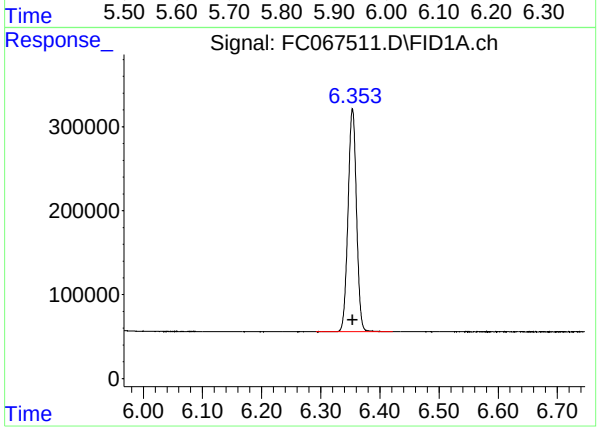
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2649286
Conc: 19.44 ug/ml



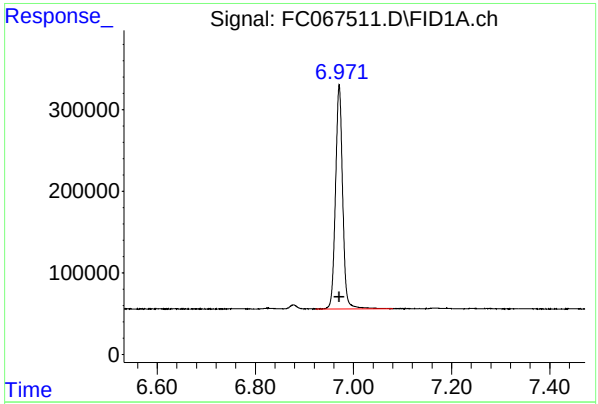
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2894144
Conc: 19.53 ug/ml



#4 n-Dodecane (C12)

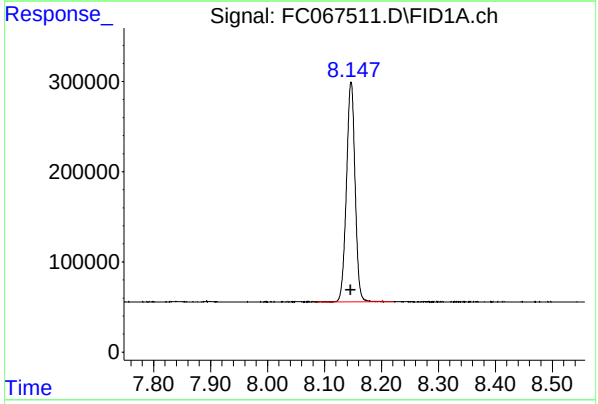
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2640477
Conc: 19.50 ug/ml



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

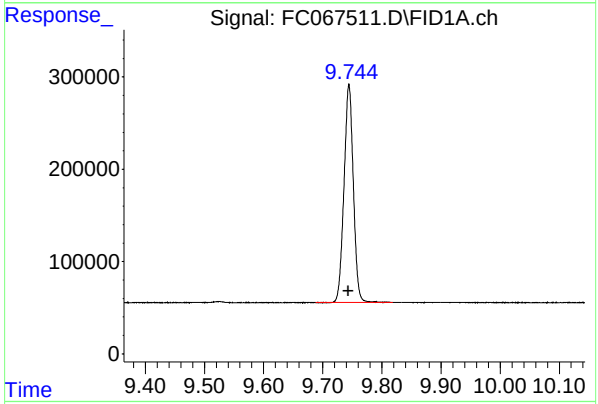
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2771002
Conc: 19.62 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



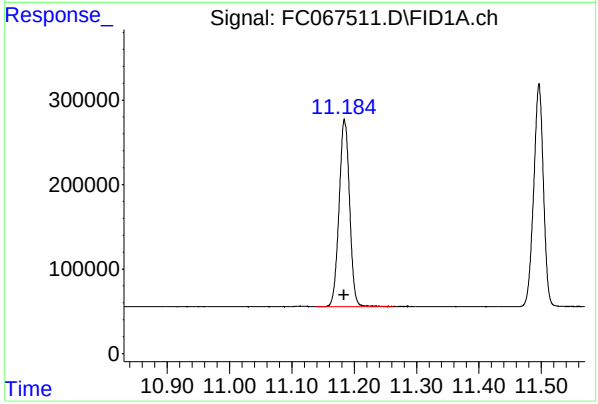
#6 n-Tetradecane (C14)

R.T.: 8.147 min
Delta R.T.: 0.000 min
Response: 2559793
Conc: 19.50 ug/ml



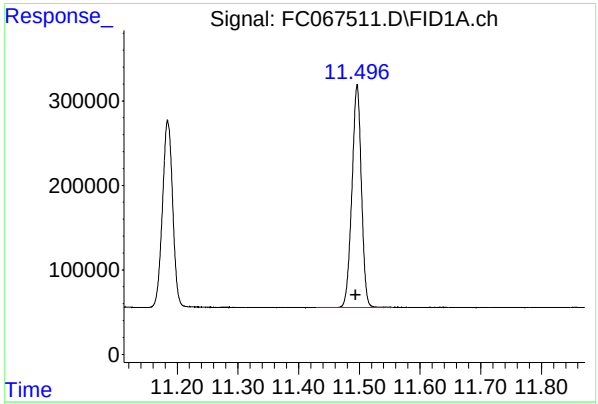
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 2585935
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

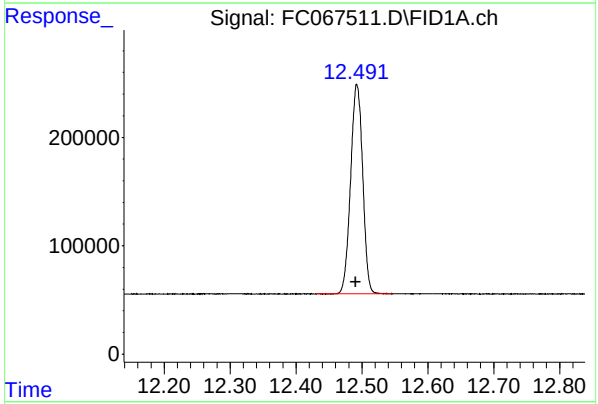
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2593351
Conc: 19.63 ug/ml



#9 ortho-Terphenyl (SURR)

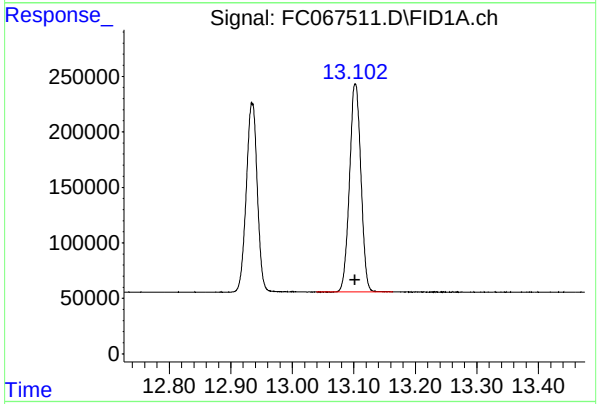
R.T.: 11.496 min
Delta R.T.: 0.002 min
Response: 2853188
Conc: 19.44 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



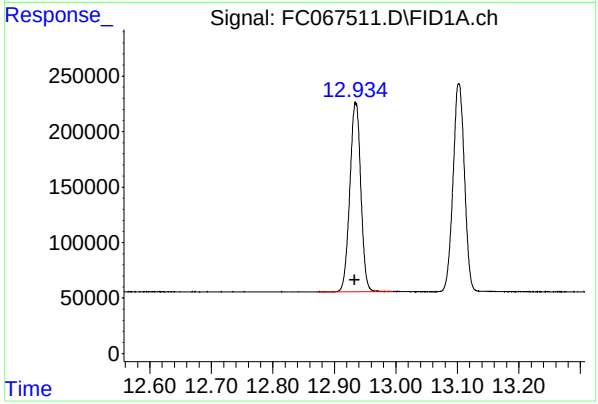
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.002 min
Response: 2466507
Conc: 19.55 ug/ml



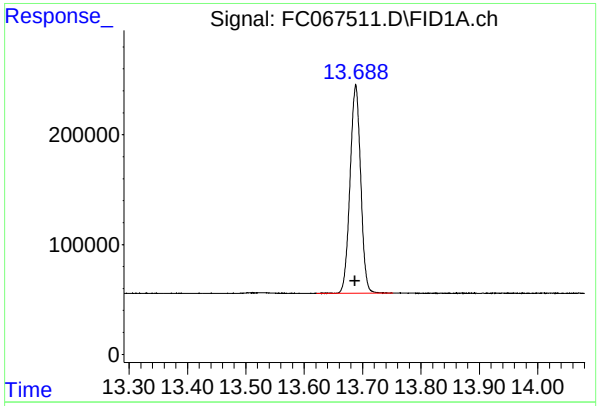
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2414000
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

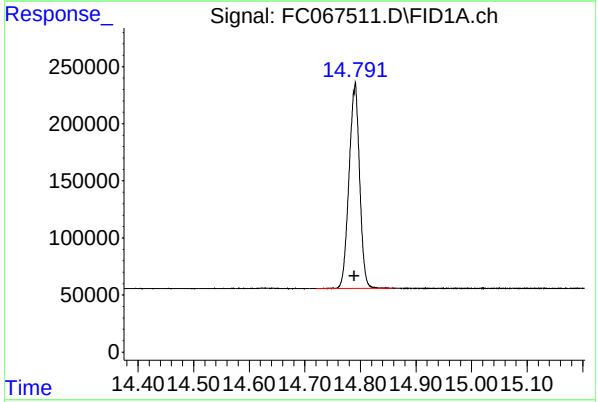
R.T.: 12.935 min
Delta R.T.: 0.002 min
Response: 2112213
Conc: 19.56 ug/ml



#13 n-Docosane (C22)

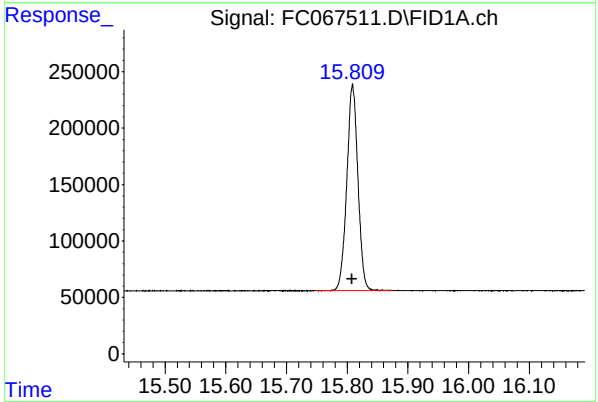
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2390568
Conc: 19.52 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



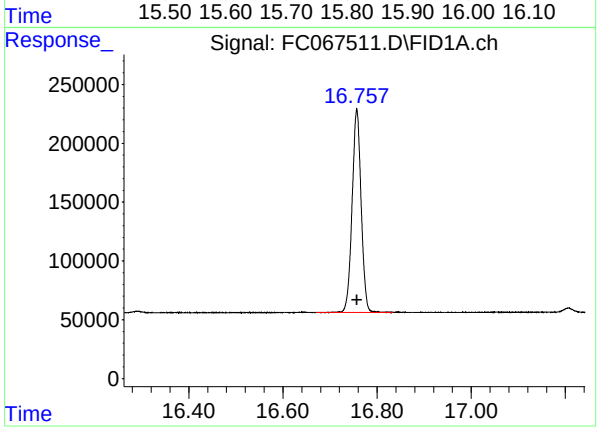
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2369147
Conc: 19.55 ug/ml



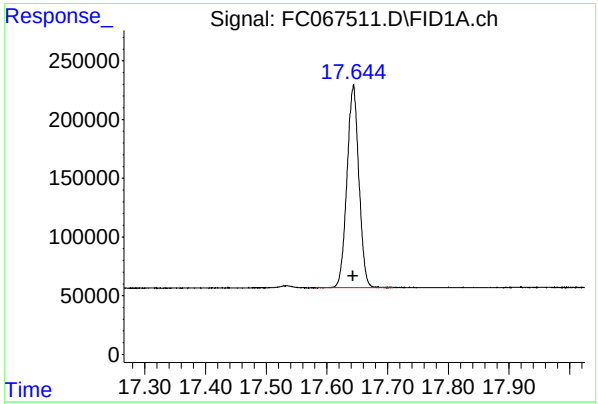
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.001 min
Response: 2326770
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

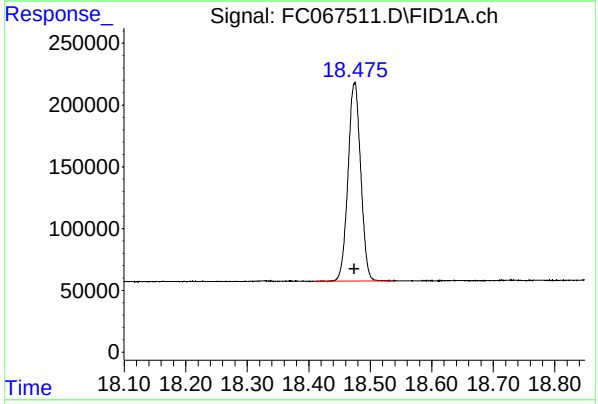
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2297199
Conc: 19.53 ug/ml



#17 n-Tricontane (C30)

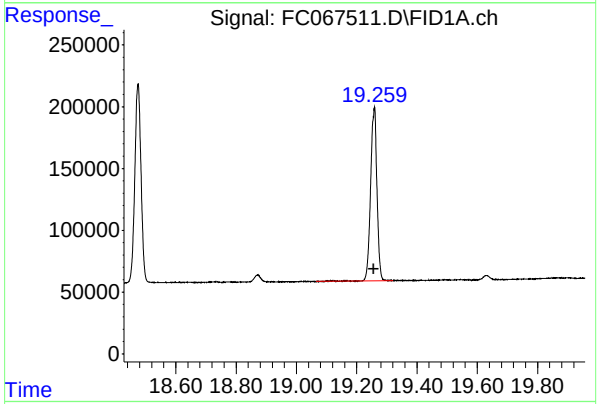
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 2353840
Conc: 19.47 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



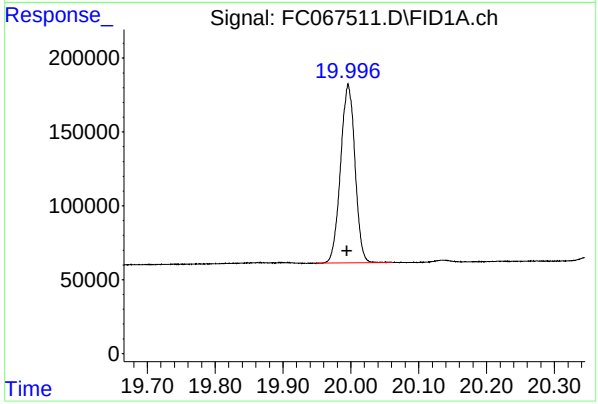
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 2301371
Conc: 19.45 ug/ml



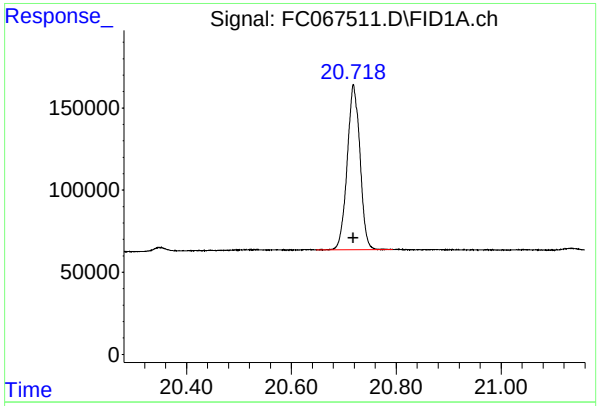
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.002 min
Response: 2044186
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

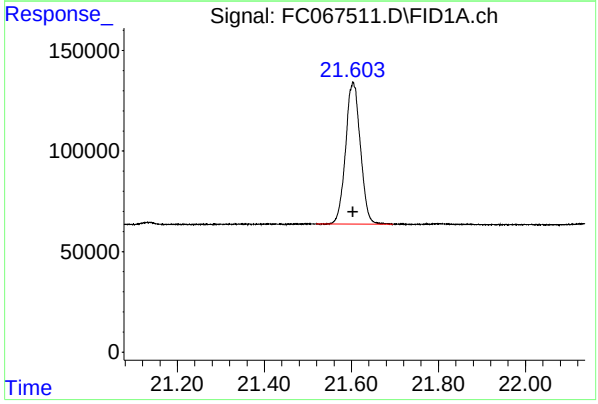
R.T.: 19.996 min
Delta R.T.: 0.002 min
Response: 1784212
Conc: 19.60 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 1698313
Conc: 19.61 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1661417
Conc: 19.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
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 102324.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	3.274	3.245	3.334	BB	310826	2613683	90.31%	4.990%
2	4.339	4.280	4.410	BB	292955	2649286	91.54%	5.058%
3	5.916	5.865	6.012	BB	308318	2894144	100.00%	5.525%
4	6.354	6.292	6.422	BB	265716	2640477	91.24%	5.041%
5	6.971	6.924	7.080	BB	274073	2771002	95.75%	5.290%
6	8.147	8.085	8.220	BB	244098	2559793	88.45%	4.887%
7	9.744	9.689	9.819	BB	236009	2585935	89.35%	4.937%
8	11.185	11.139	11.262	BB	218367	2593351	89.61%	4.951%
9	11.496	11.429	11.555	BB	264747	2853188	98.58%	5.447%
10	12.493	12.430	12.547	BB	193698	2466507	85.22%	4.709%
11	12.935	12.870	12.995	BB	169232	2112213	72.98%	4.032%
12	13.103	13.039	13.164	BB	187529	2414000	83.41%	4.609%
13	13.688	13.620	13.752	BB	190590	2390568	82.60%	4.564%
14	14.790	14.720	14.859	BB	178398	2369147	81.86%	4.523%
15	15.809	15.749	15.875	BB	181908	2326770	80.40%	4.442%
16	16.757	16.670	16.834	BB	173028	2297199	79.37%	4.386%
17	17.643	17.582	17.709	BB	172064	2353840	81.33%	4.494%
18	18.474	18.412	18.537	BB	160280	2301371	79.52%	4.394%
19	19.258	19.065	19.320	BB	140731	2044186	70.63%	3.903%
20	19.996	19.949	20.062	BB	120232	1784212	61.65%	3.406%
21	20.719	20.647	20.794	BB	100162	1698313	58.68%	3.242%
22	21.604	21.519	21.695	BB	70657	1661417	57.41%	3.172%
			Sum of corrected areas:			52380600		

Aliphatic EPH 102324.M Wed Oct 23 18:53:21 2024

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

Inital Calibration Report for SequenceID : FD102324AR

AreaCount

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	34560081.000	17413124.000	7062069.000	3602660.000	1773971.000	
Aromatic C12-C16	51756513.000	26214353.000	10660566.000	5474983.000	2683618.000	
Aromatic C16-C21	64464447.000	32614919.000	13171585.000	6675037.000	3268126.000	
Aromatic C21-C36	134161995.000	67904676.000	27627174.000	14154223.000	6877987.000	
Aromatic EPH	284943036.000	144147072.000	58521394.000	29906903.000	14603702.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	176202.694	1.627				
Aromatic C12-C16	177273.4926664	2.167				
Aromatic C16-C21	163832.55	1.288				
Aromatic C21-C36	152713.1526664	2.017				
Aromatic EPH	161887.4688884	1.816				

Concentration

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.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	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	172800.405000	174131.240000	176551.725000	180133.000000	177397.100000	
Aromatic C12-C16	172521.710000	174762.353333	177676.100000	182499.433333	178907.866666	
Aromatic C16-C21	161161.117500	163074.595000	164644.812500	166875.925000	163406.300000	
Aromatic C21-C36	149068.883333	150899.280000	153484.300000	157269.144444	152844.155555	
Aromatic EPH	158301.686666	160163.413333	162559.427777	166149.461111	162263.355555	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
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: Oct 23 17:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
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...	7.379	14919837	98.962 ug/ml
	Spiked Amount 50.000		Recovery = 197.92%	
6)	S 2-Flurobiphenyl (SURR)	8.230	10015694	100.124 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 200.25%#	
11)	S ortho-Terphenyl (SURR)	11.267	16385129	98.289 ug/ml
	Spiked Amount 50.000		Recovery = 196.58%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.199	16947170	98.911 ug/ml
2)	T Naphthalene (C11.7)	5.719	17612911	98.941 ug/ml
3)	T 2-Methylnaphthalene (...	6.767	17624448	99.004 ug/ml
5)	T Acenaphthylene (C15.06)	8.034	17045088	98.400 ug/ml
7)	T Acenaphthene (C15.5)	8.331	17086977	98.169 ug/ml
8)	T Flouorene (C16.55)	9.109	16673063	98.964 ug/ml
9)	T Phenanthrene (C19.36)	10.496	16410378	99.314 ug/ml
10)	T Anthracene (C19.43)	10.573	15569819	98.435 ug/ml
12)	T Fluoranthene (C21.85)	12.302	15981856	98.532 ug/ml
13)	T Pyrene (C20.8)	12.596	15811187	98.991 ug/ml
14)	T Benzo[a]anthracene (C...	14.466	14979852	100.189 ug/ml
15)	T Chrysene (C27.41)	14.512	15332543	97.081 ug/ml
16)	T benzo[b]fluoranthene ...	16.016	15350623	99.928 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.054	14161475	97.899 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.395	14921521	99.306 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.761	14261058	103.933 ug/ml
20)	T Dibenz[a,h]anthracene...	17.801	14330700	95.355 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.019	14842367	98.211 ug/ml

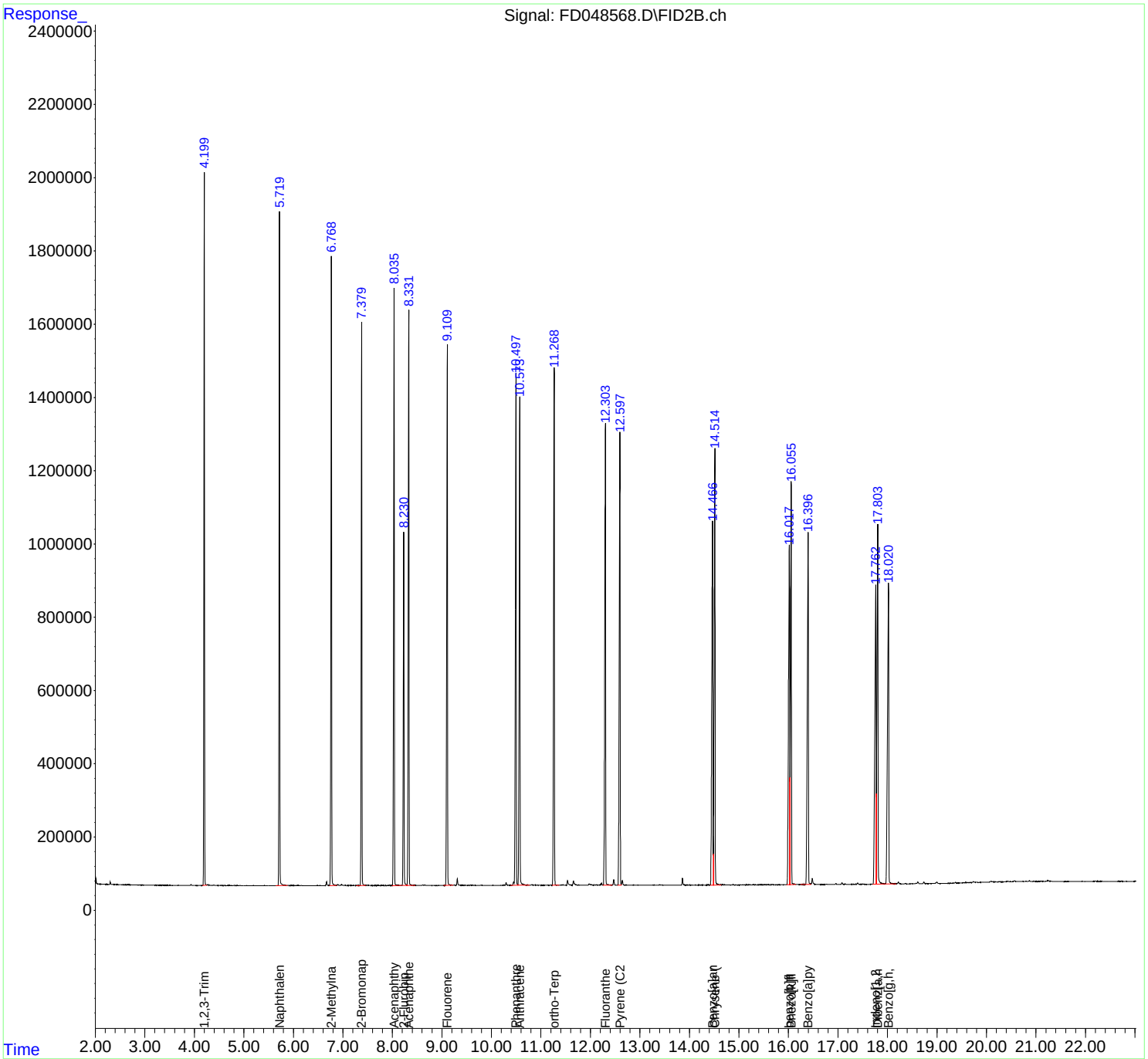
(f)=RT Delta > 1/2 Window (m)=manual int.

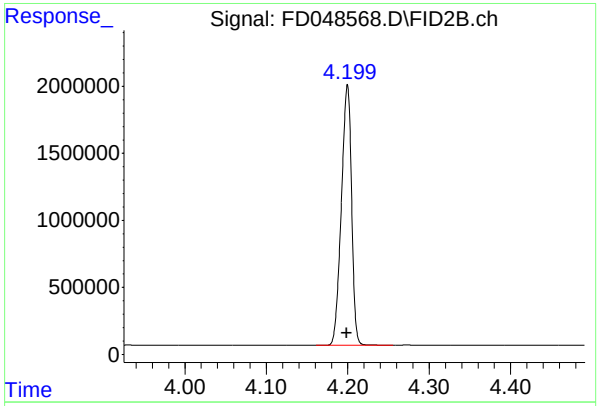
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

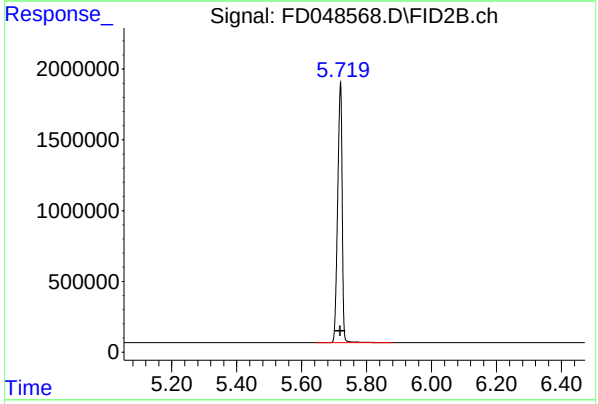




#1 1,2,3-Trimethylbenzene (C10.1)

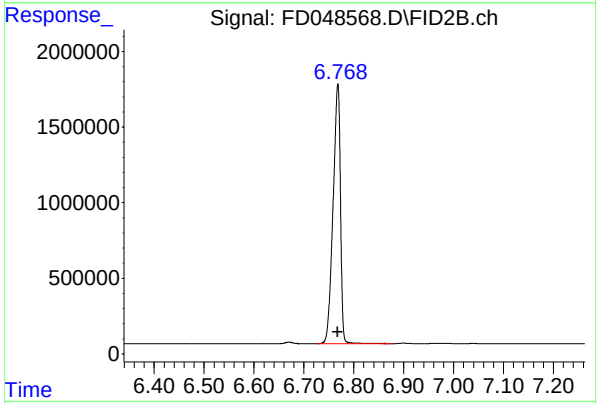
R.T.: 4.199 min
Delta R.T.: 0.000 min
Response: 16947170
Conc: 98.91 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



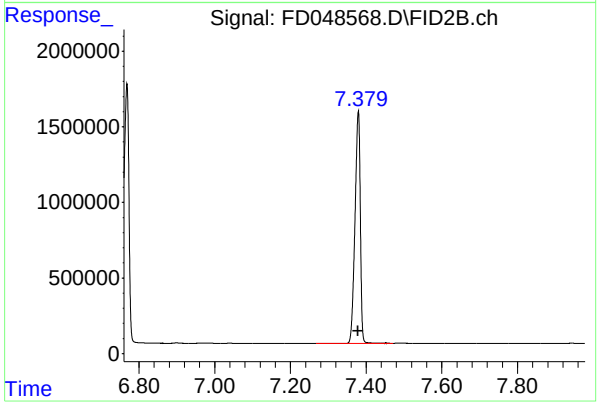
#2 Naphthalene (C11.7)

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 17612911
Conc: 98.94 ug/ml



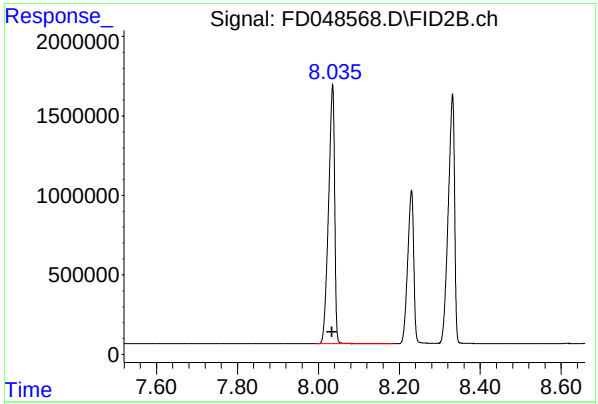
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 17624448
Conc: 99.00 ug/ml



#4 2-Bromonaphthalene (SURR)

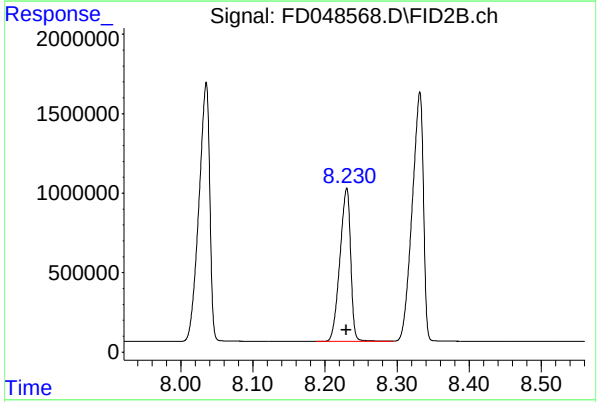
R.T.: 7.379 min
Delta R.T.: 0.000 min
Response: 14919837
Conc: 98.96 ug/ml



#5 Acenaphthylene (C15.06)

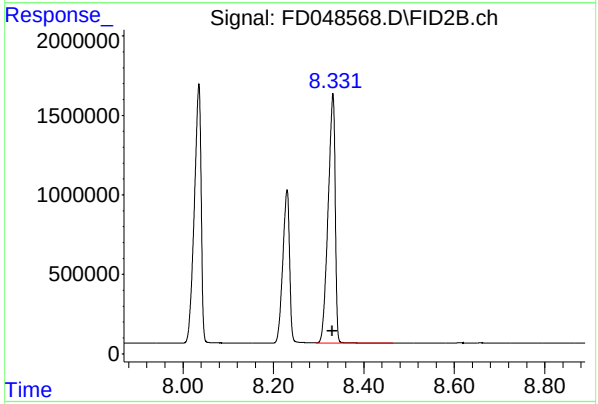
R.T.: 8.034 min
Delta R.T.: 0.000 min
Response: 17045088
Conc: 98.40 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



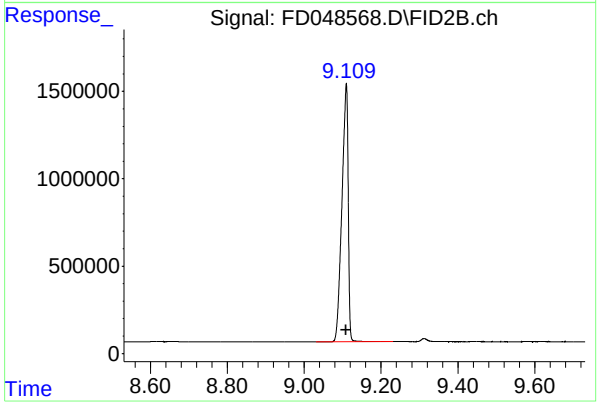
#6 2-Flurobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 10015694
Conc: 100.12 ug/ml



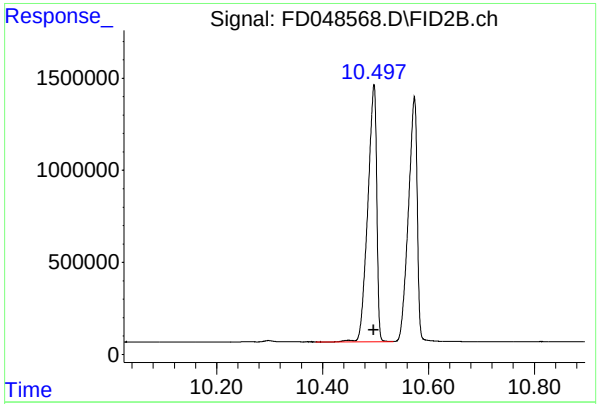
#7 Acenaphthene (C15.5)

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 17086977
Conc: 98.17 ug/ml



#8 Flouorene (C16.55)

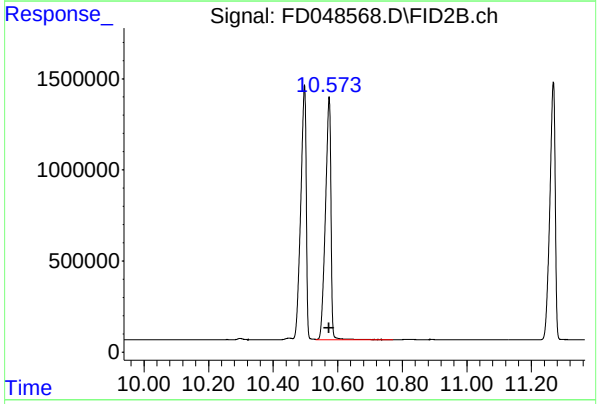
R.T.: 9.109 min
Delta R.T.: 0.000 min
Response: 16673063
Conc: 98.96 ug/ml



#9 Phenanthrene (C19.36)

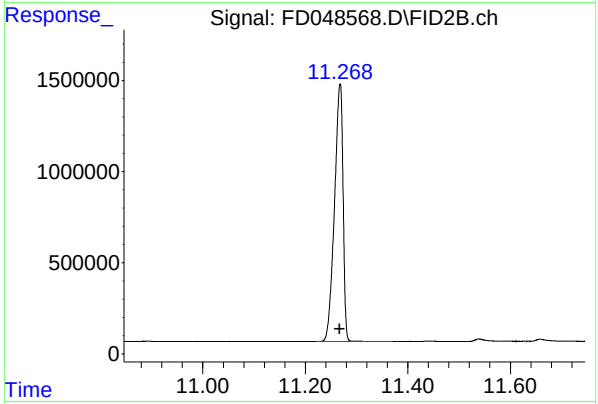
R.T.: 10.496 min
Delta R.T.: 0.000 min
Response: 16410378
Conc: 99.31 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



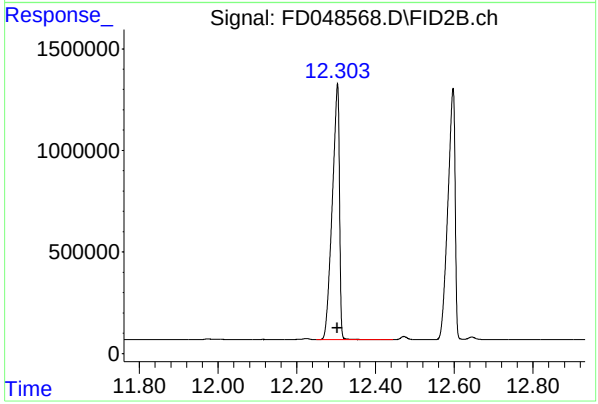
#10 Anthracene (C19.43)

R.T.: 10.573 min
Delta R.T.: 0.000 min
Response: 15569819
Conc: 98.44 ug/ml



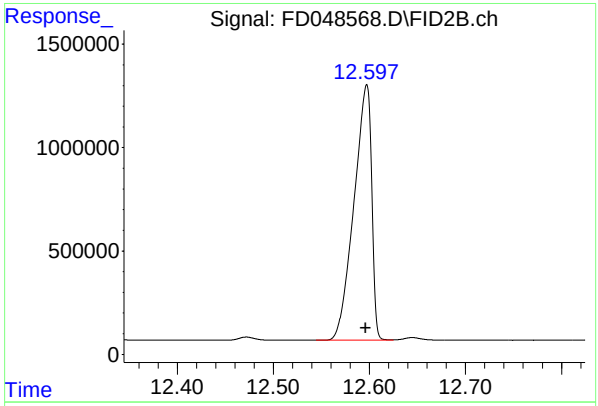
#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min
Delta R.T.: 0.000 min
Response: 16385129
Conc: 98.29 ug/ml



#12 Fluoranthene (C21.85)

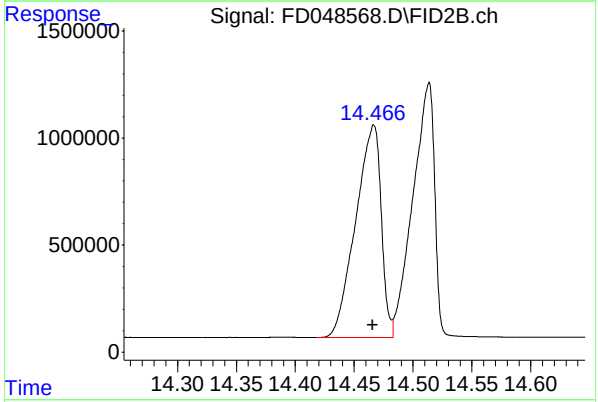
R.T.: 12.302 min
Delta R.T.: 0.000 min
Response: 15981856
Conc: 98.53 ug/ml



#13 Pyrene (C20.8)

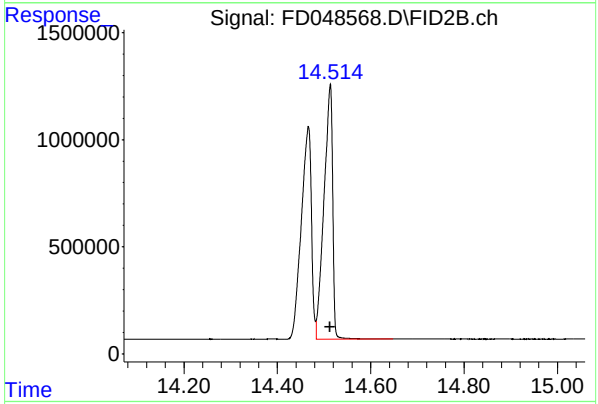
R.T.: 12.596 min
Delta R.T.: 0.000 min
Response: 15811187
Conc: 98.99 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



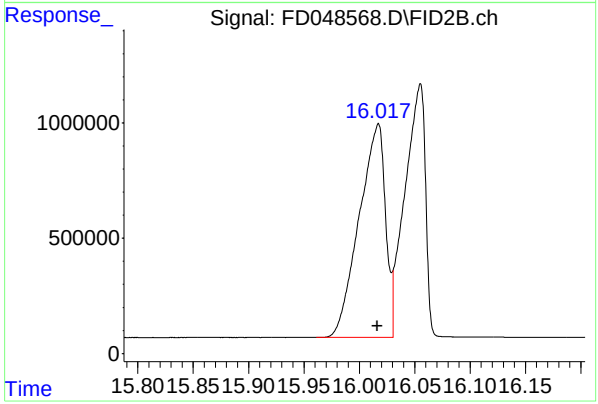
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.466 min
Delta R.T.: 0.000 min
Response: 14979852
Conc: 100.19 ug/ml



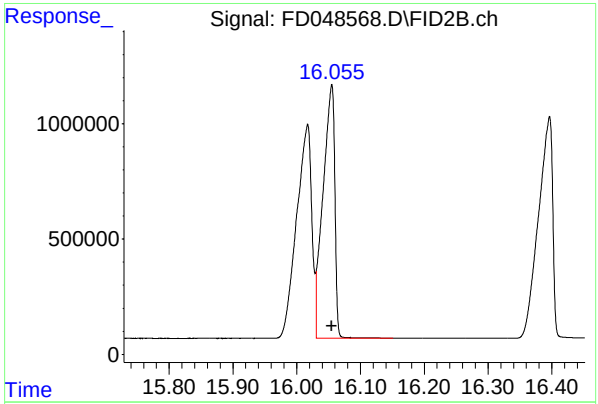
#15 Chrysene (C27.41)

R.T.: 14.512 min
Delta R.T.: 0.000 min
Response: 15332543
Conc: 97.08 ug/ml



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

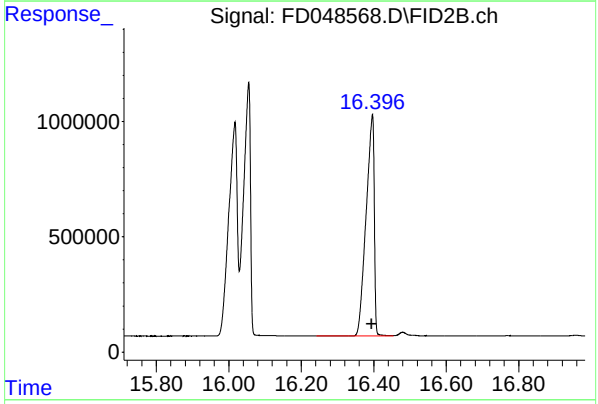
R.T.: 16.016 min
Delta R.T.: 0.000 min
Response: 15350623
Conc: 99.93 ug/ml



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

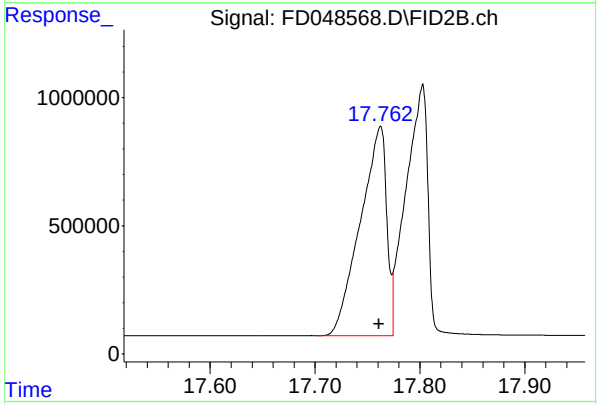
R.T.: 16.054 min
Delta R.T.: -0.001 mi
Response: 14161475
Conc: 97.90 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



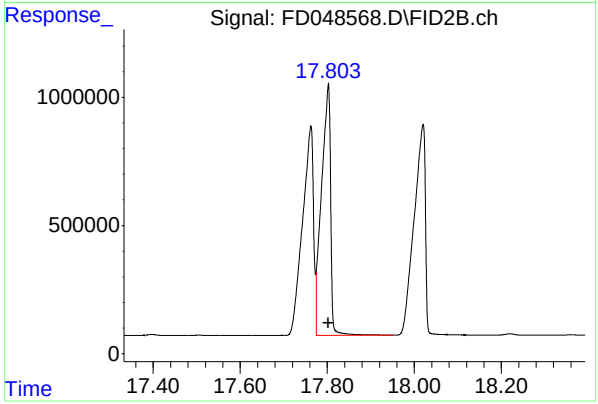
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.000 min
Response: 14921521
Conc: 99.31 ug/ml



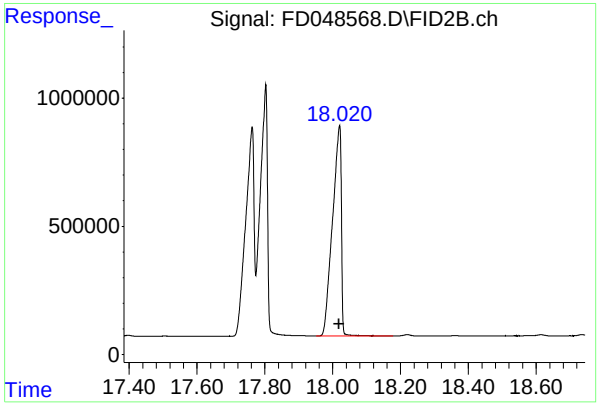
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.761 min
Delta R.T.: 0.000 min
Response: 14261058
Conc: 103.93 ug/ml



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

R.T.: 17.801 min
Delta R.T.: -0.002 min
Response: 14330700
Conc: 95.35 ug/ml



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

R.T.: 18.019 min
Delta R.T.: 0.000 mi
Response: 14842367
Conc: 98.21 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
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 102324.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	4.199	4.161	4.256	BV	1903452	16947170	96.16%	5.194%
2	5.719	5.644	5.881	BV	1794310	17612911	99.93%	5.398%
3	6.767	6.724	6.878	PV	1721582	17624448	100.00%	5.402%
4	7.379	7.268	7.471	PV	1511924	14919837	84.65%	4.573%
5	8.034	7.994	8.184	BB	1618840	17045088	96.71%	5.224%
6	8.230	8.188	8.294	BV	985430	10015694	56.83%	3.070%
7	8.331	8.294	8.464	VB	1571009	17086977	96.95%	5.237%
8	9.109	9.031	9.231	BB	1435050	16673063	94.60%	5.110%
9	10.496	10.388	10.533	BV	1431777	16410378	93.11%	5.030%
10	10.573	10.533	10.771	VB	1362012	15569819	88.34%	4.772%
11	11.267	11.221	11.371	BV	1423748	16385129	92.97%	5.022%
12	12.302	12.249	12.444	VV	1225147	15981856	90.68%	4.898%
13	12.596	12.544	12.624	BV	1267297	15811187	89.71%	4.846%
14	14.466	14.418	14.483	PV	976483	14979852	84.99%	4.591%
15	14.512	14.483	14.648	VB	1164623	15332543	87.00%	4.699%
16	16.016	15.961	16.031	BV	945594	15350623	87.10%	4.705%
17	16.054	16.031	16.151	VB	1101985	14161475	80.35%	4.340%
18	16.395	16.241	16.453	BV	941300	14921521	84.66%	4.573%
19	17.761	17.701	17.774	BV	810590	14261058	80.92%	4.371%
20	17.801	17.774	17.951	VV	963681	14330700	81.31%	4.392%
21	18.019	17.951	18.178	VV	811340	14842367	84.21%	4.549%

Sum of corrected areas: 326263695

Aromatic EPH 102324.M Wed Oct 23 18:16:59 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
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: Oct 23 17:15:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
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...	7.375	7529591	49.962 ug/ml
	Spiked Amount 50.000		Recovery = 99.92%	
6)	S 2-Flurobiphenyl (SURR)	8.225	5021501	50.132 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 100.26%	
11)	S ortho-Terphenyl (SURR)	11.261	8334280	49.996 ug/ml
	Spiked Amount 50.000		Recovery = 99.99%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.196	8539641	49.894 ug/ml
2)	T Naphthalene (C11.7)	5.715	8873483	49.898 ug/ml
3)	T 2-Methylnaphthalene (...	6.762	8891978	49.967 ug/ml
5)	T Acenaphthylene (C15.06)	8.029	8649197	49.954 ug/ml
7)	T Acenaphthene (C15.5)	8.324	8673178	49.886 ug/ml
8)	T Flouorene (C16.55)	9.102	8428307	50.018 ug/ml
9)	T Phenanthrene (C19.36)	10.489	8272929	50.044 ug/ml
10)	T Anthracene (C19.43)	10.565	7888616	49.915 ug/ml
12)	T Fluoranthene (C21.85)	12.294	8076662	49.863 ug/ml
13)	T Pyrene (C20.8)	12.587	8025067	50.162 ug/ml
14)	T Benzo[a]anthracene (C...	14.456	7527575	50.230 ug/ml
15)	T Chrysene (C27.41)	14.500	7833293	49.731 ug/ml
16)	T benzo[b]fluoranthene ...	16.005	7671770	49.961 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.039	7231888	49.599 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.381	7547267	50.152 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.747	6949708	50.431 ug/ml
20)	T Dibenz[a,h]anthracene...	17.785	7539487	49.466 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.000	7527026	49.870 ug/ml

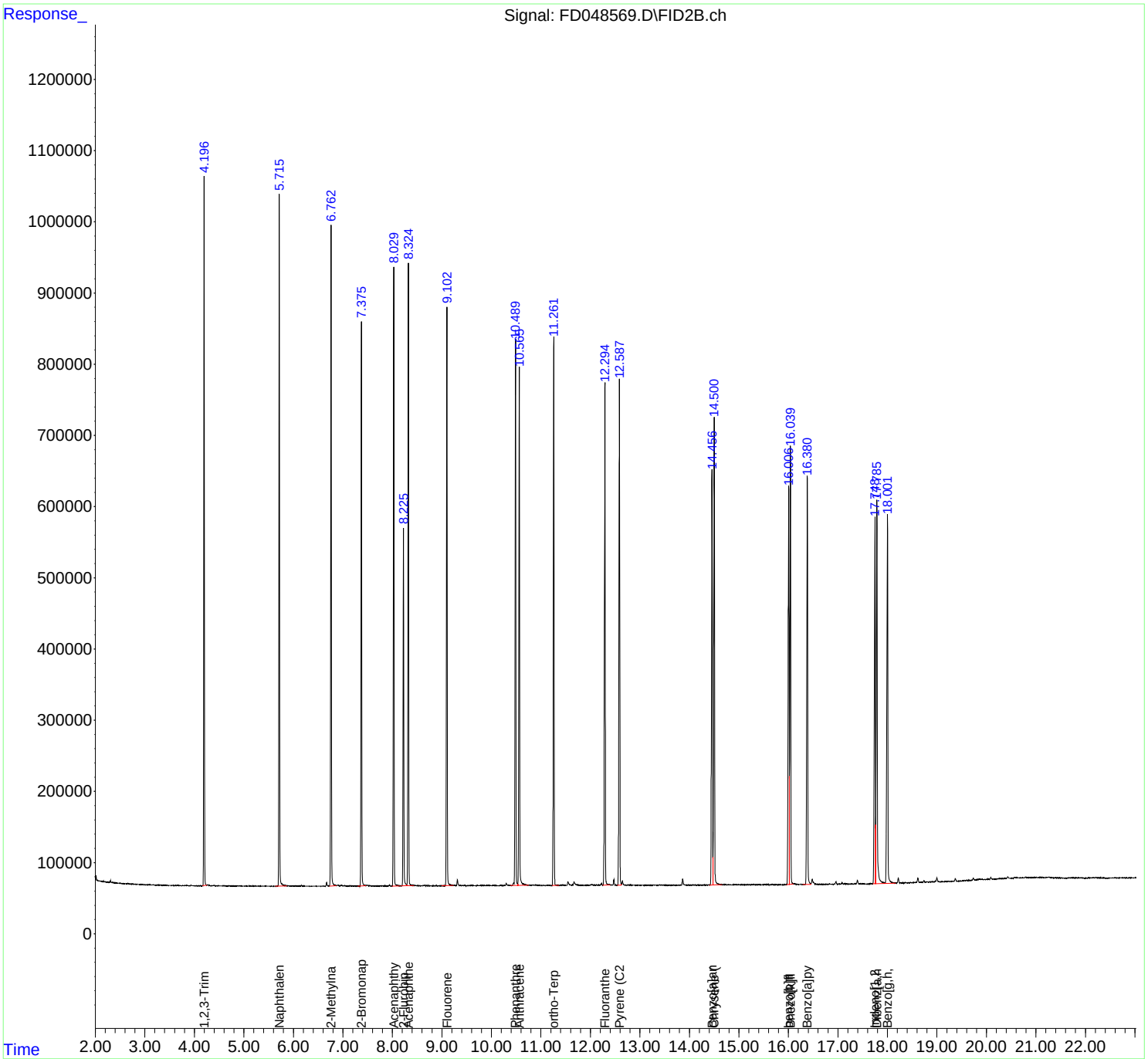
(f)=RT Delta > 1/2 Window (m)=manual int.

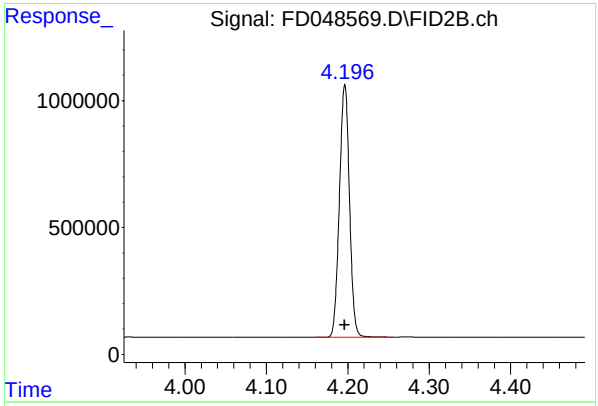
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:15:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

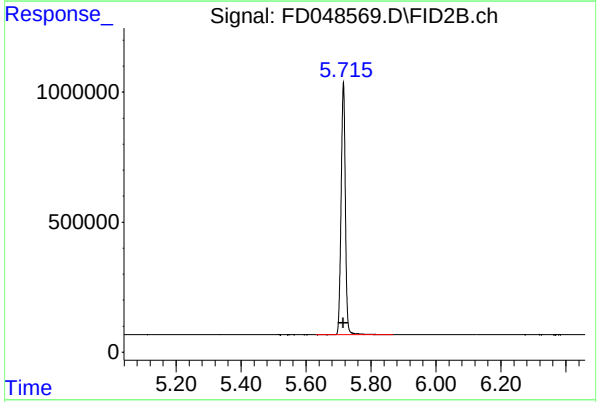




#1 1,2,3-Trimethylbenzene (C10.1)

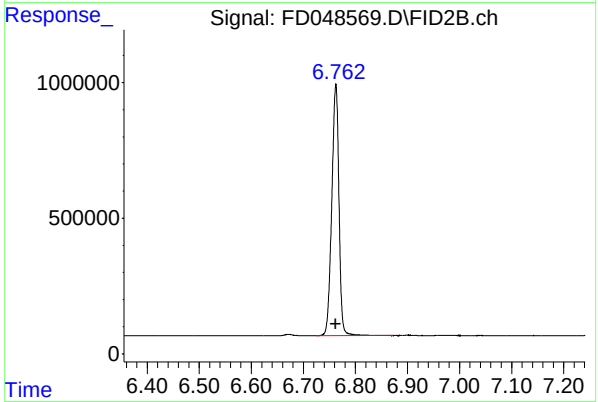
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 8539641
Conc: 49.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



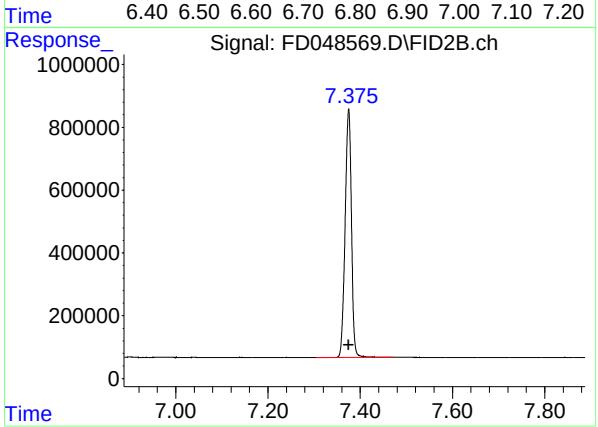
#2 Naphthalene (C11.7)

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 8873483
Conc: 49.90 ug/ml



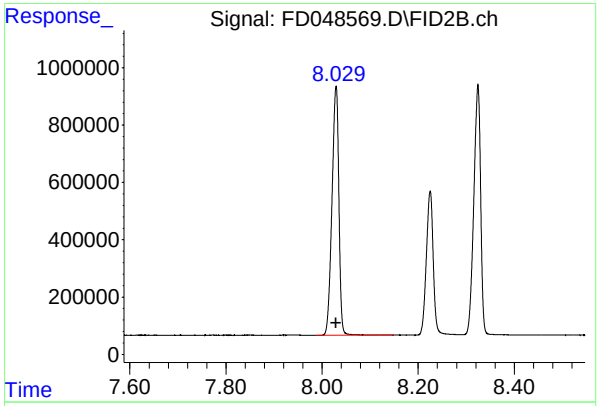
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 8891978
Conc: 49.97 ug/ml



#4 2-Bromonaphthalene (SURR)

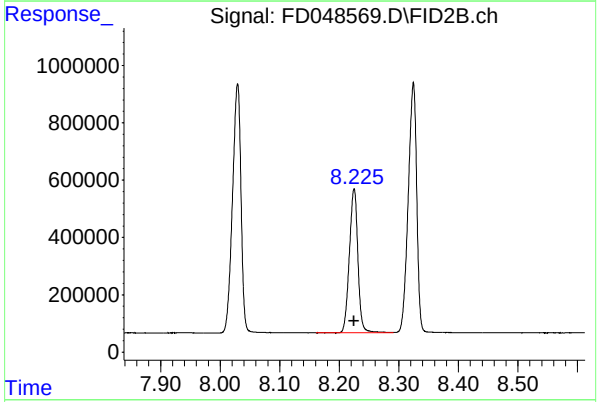
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 7529591
Conc: 49.96 ug/ml



#5 Acenaphthylene (C15.06)

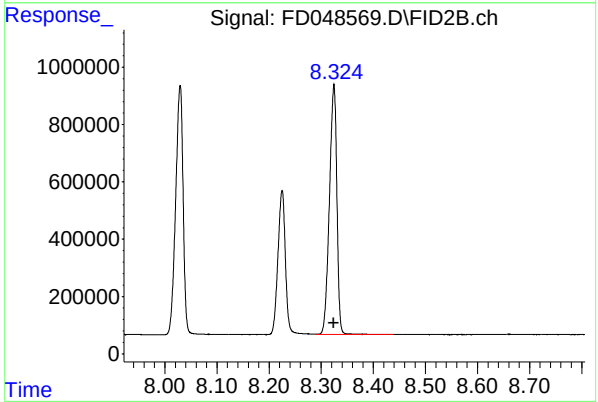
R.T.: 8.029 min
Delta R.T.: 0.000 min
Response: 8649197
Conc: 49.95 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



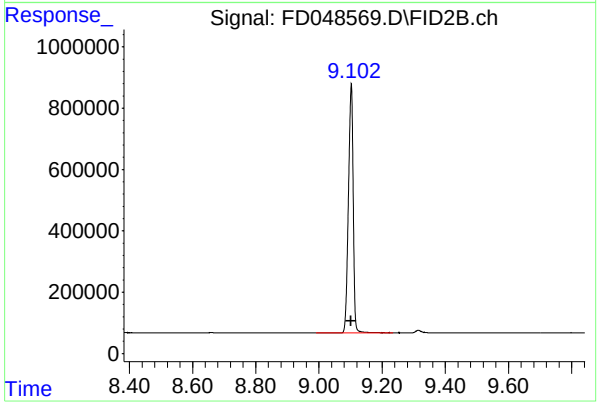
#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 5021501
Conc: 50.13 ug/ml



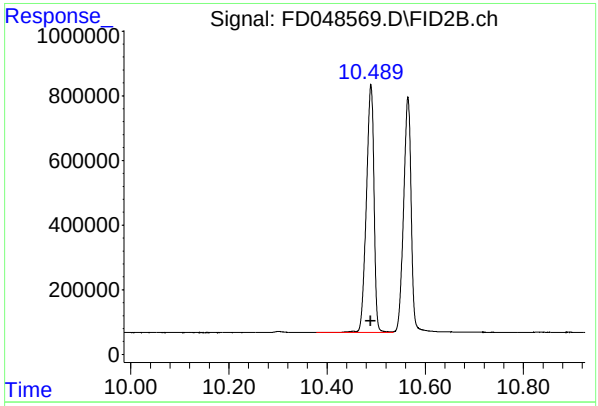
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 8673178
Conc: 49.89 ug/ml



#8 Flouorene (C16.55)

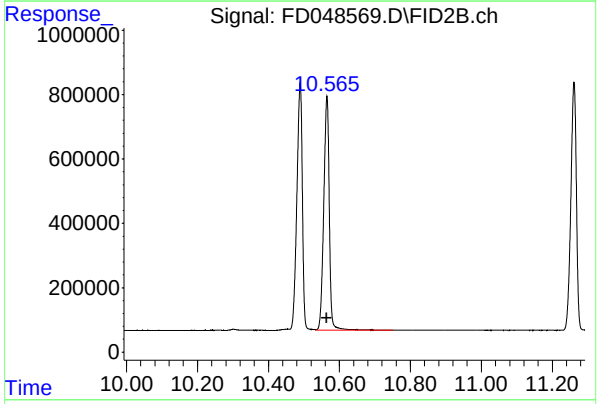
R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 8428307
Conc: 50.02 ug/ml



#9 Phenanthrene (C19.36)

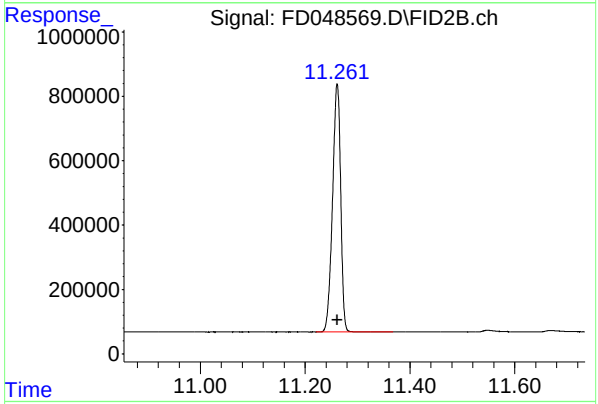
R.T.: 10.489 min
Delta R.T.: 0.000 min
Response: 8272929
Conc: 50.04 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



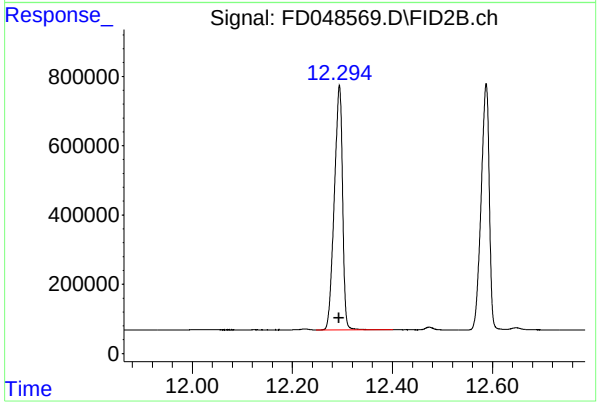
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 7888616
Conc: 49.92 ug/ml



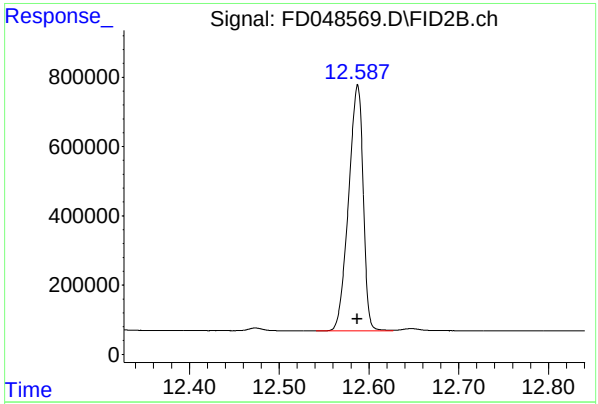
#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.000 min
Response: 8334280
Conc: 50.00 ug/ml



#12 Fluoranthene (C21.85)

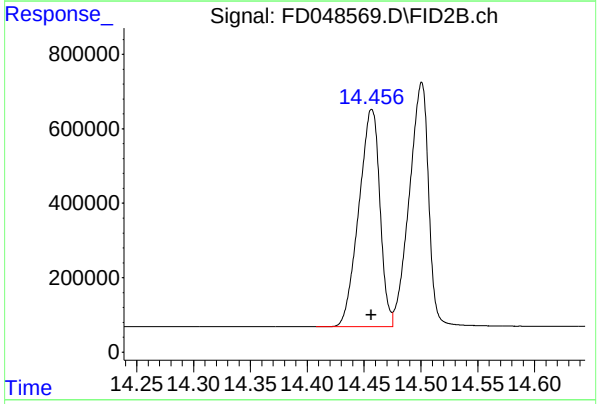
R.T.: 12.294 min
Delta R.T.: 0.000 min
Response: 8076662
Conc: 49.86 ug/ml



#13 Pyrene (C20.8)

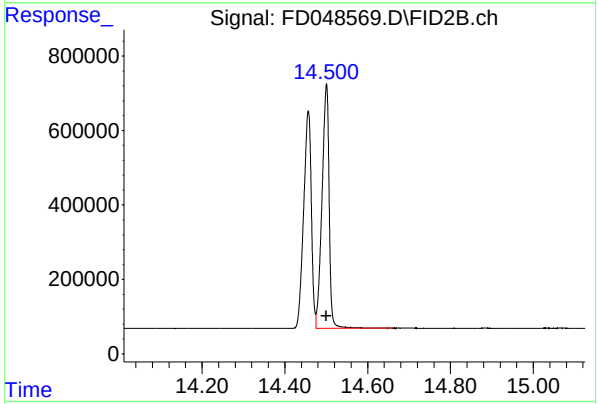
R.T.: 12.587 min
Delta R.T.: 0.000 min
Response: 8025067
Conc: 50.16 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



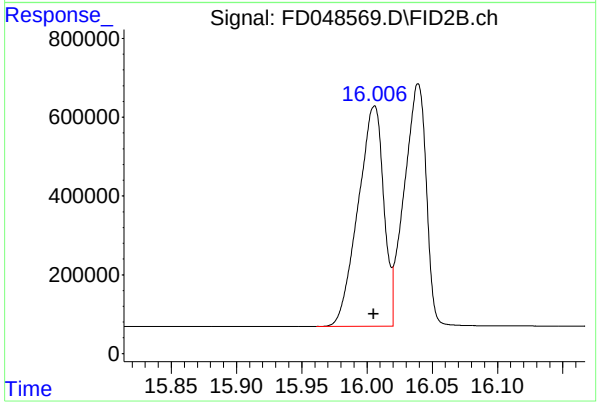
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.000 min
Response: 7527575
Conc: 50.23 ug/ml



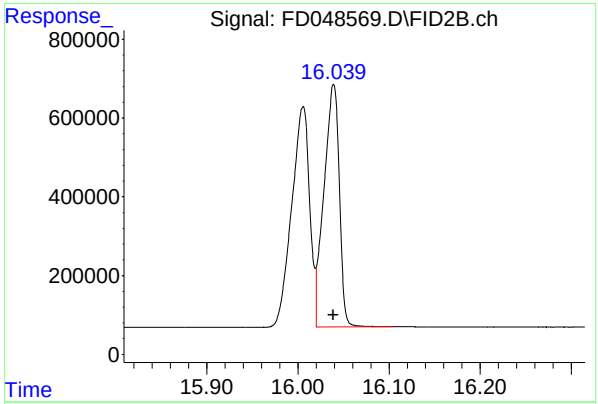
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.000 min
Response: 7833293
Conc: 49.73 ug/ml



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

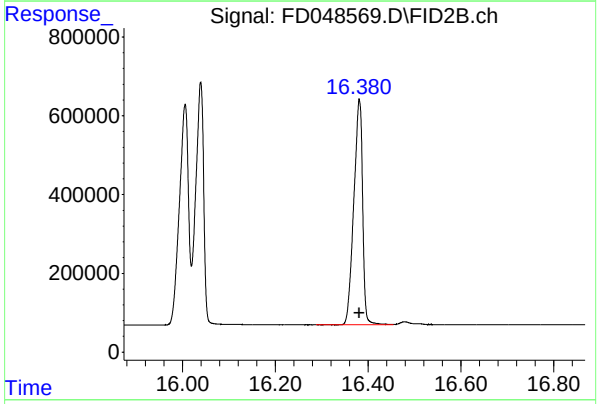
R.T.: 16.005 min
Delta R.T.: 0.000 min
Response: 7671770
Conc: 49.96 ug/ml



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

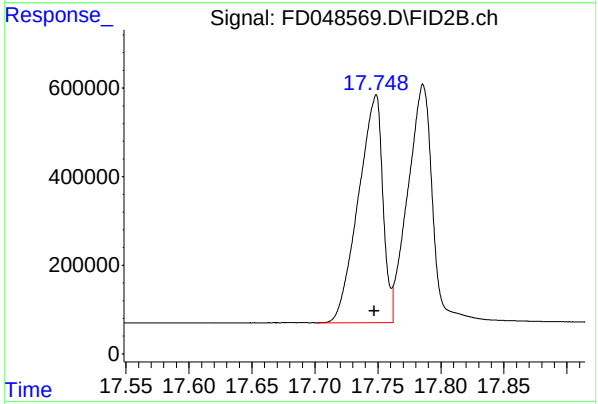
R.T.: 16.039 min
Delta R.T.: 0.000 min
Response: 7231888
Conc: 49.60 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



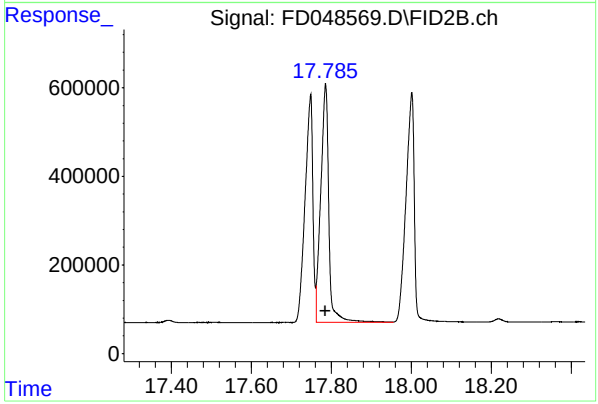
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 7547267
Conc: 50.15 ug/ml



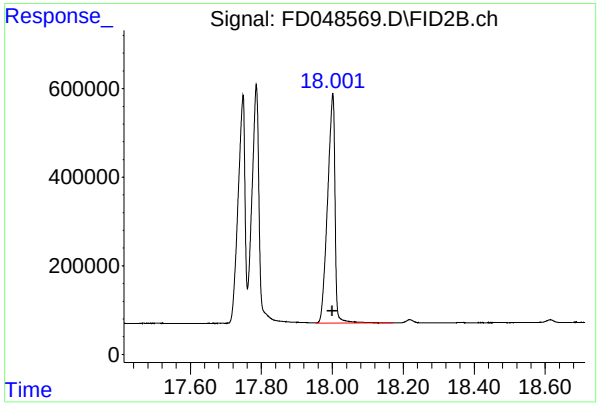
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.747 min
Delta R.T.: 0.000 min
Response: 6949708
Conc: 50.43 ug/ml



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

R.T.: 17.785 min
Delta R.T.: 0.000 min
Response: 7539487
Conc: 49.47 ug/ml



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

R.T.: 18.000 min
Delta R.T.: 0.000 mi
Response: 7527026
Conc: 49.87 ug/m

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
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 102324.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	4.196	4.161	4.255	BV	998732	8539641	96.04%	5.175%
2	5.715	5.631	5.868	BB	961300	8873483	99.79%	5.377%
3	6.762	6.724	6.872	PV	916254	8891978	100.00%	5.388%
4	7.375	7.304	7.471	BB	788165	7529591	84.68%	4.562%
5	8.029	7.988	8.148	BB	861509	8649197	97.27%	5.241%
6	8.225	8.161	8.290	BV	502069	5021501	56.47%	3.043%
7	8.324	8.290	8.438	VB	874209	8673178	97.54%	5.255%
8	9.102	8.991	9.234	BV	799296	8428307	94.79%	5.107%
9	10.489	10.378	10.534	BV	757282	8272929	93.04%	5.013%
10	10.565	10.534	10.751	VB	727764	7888616	88.72%	4.780%
11	11.261	11.221	11.368	BB	773174	8334280	93.73%	5.050%
12	12.294	12.247	12.401	PB	711390	8076662	90.83%	4.894%
13	12.587	12.541	12.627	BV	714458	8025067	90.25%	4.863%
14	14.456	14.408	14.475	PV	588127	7527575	84.66%	4.561%
15	14.500	14.475	14.661	VB	663541	7833293	88.09%	4.747%
16	16.005	15.961	16.020	BV	559367	7671770	86.28%	4.649%
17	16.039	16.020	16.104	VV	611862	7231888	81.33%	4.382%
18	16.381	16.288	16.453	BV	574389	7547267	84.88%	4.573%
19	17.747	17.701	17.762	BV	512967	6949708	78.16%	4.211%
20	17.785	17.762	17.954	VV	532723	7539487	84.79%	4.568%
21	18.000	17.954	18.171	VV	519884	7527026	84.65%	4.561%

Sum of corrected areas: 165032443

Aromatic EPH 102324.M Wed Oct 23 18:18:22 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
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: Oct 23 17:10:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.372	3046545	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.222	1998164	20.000 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%
11) S	ortho-Terphenyl (SURR)	11.258	3391146	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	3464073	20.000 ug/ml
2) T	Naphthalene (C11.7)	5.713	3597996	20.000 ug/ml
3) T	2-Methylnaphthalene (...	6.760	3595810	20.000 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	3519888	20.000 ug/ml
7) T	Acenaphthene (C15.5)	8.319	3544868	20.000 ug/ml
8) T	Flouorene (C16.55)	9.097	3404430	20.000 ug/ml
9) T	Phenanthrene (C19.36)	10.485	3327445	20.000 ug/ml
10) T	Anthracene (C19.43)	10.560	3212978	20.000 ug/ml
12) T	Fluoranthene (C21.85)	12.288	3291616	20.000 ug/ml
13) T	Pyrene (C20.8)	12.581	3226732	20.000 ug/ml
14) T	Benzo[a]anthracene (C...	14.451	2984688	20.000 ug/ml
15) T	Chrysene (C27.41)	14.492	3250919	20.000 ug/ml
16) T	benzo[b]fluoranthene ...	15.997	3074553	20.000 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.027	3023398	20.000 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.372	3026012	20.000 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	2636324	20.000 ug/ml
20) T	Dibenz[a,h]anthracene...	17.777	3263027	20.000 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.987	3076637	20.000 ug/ml

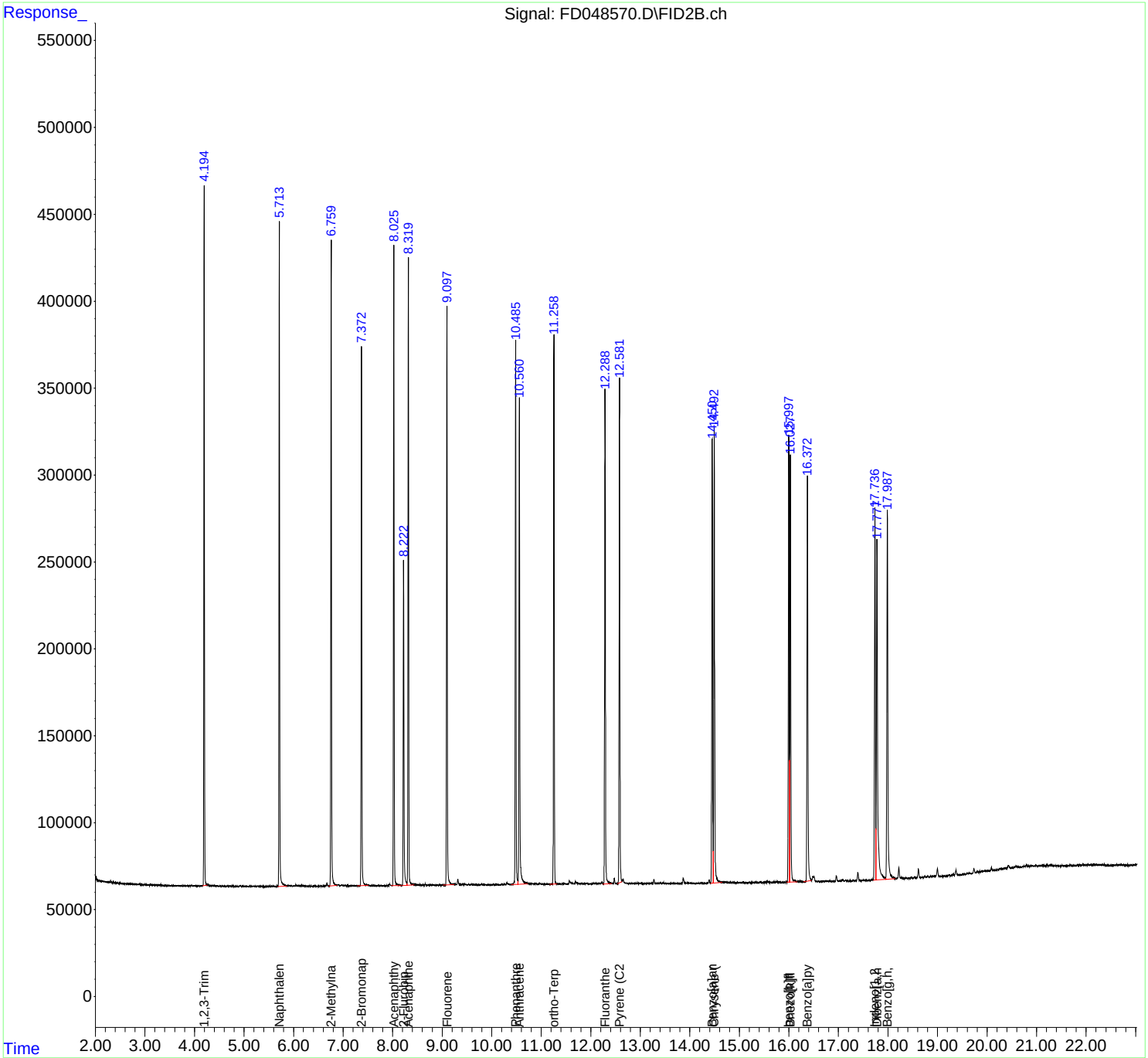
(f)=RT Delta > 1/2 Window (m)=manual int.

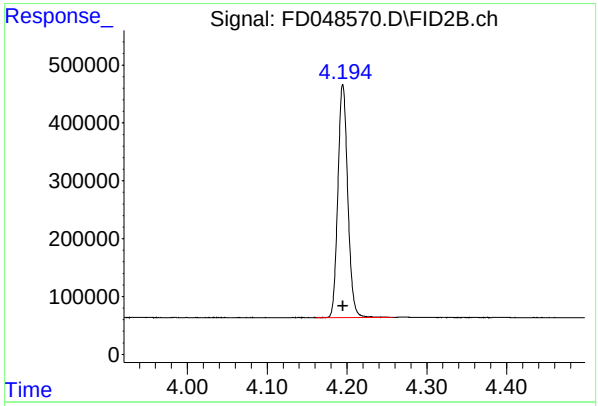
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:10:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

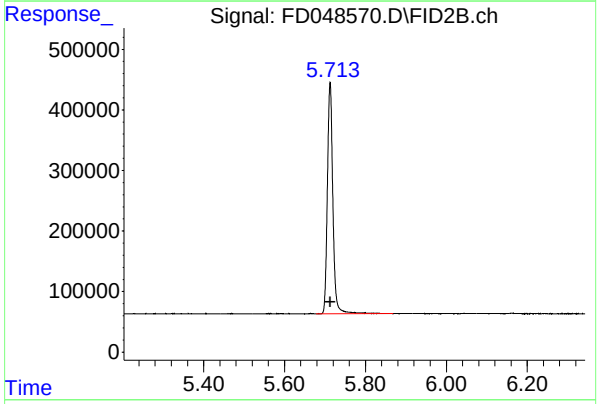




#1 1,2,3-Trimethylbenzene (C10.1)

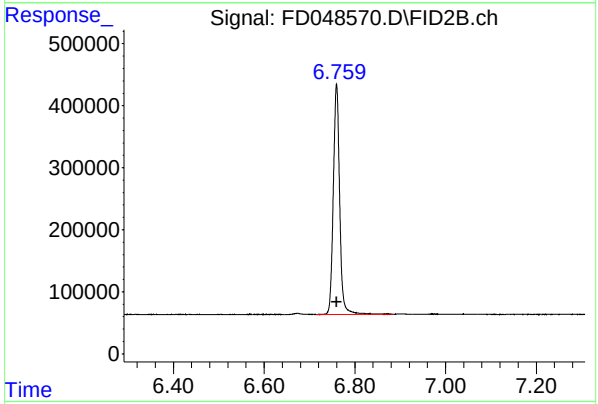
R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 3464073
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



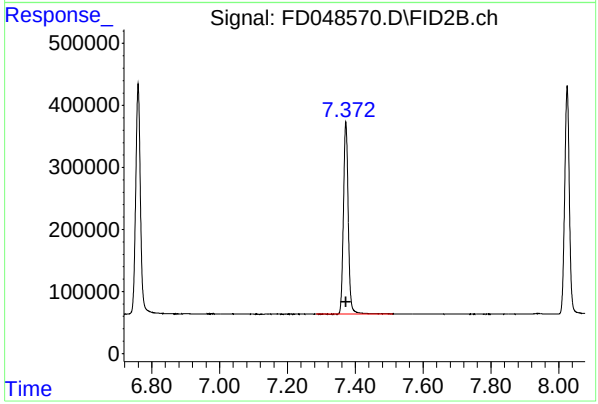
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 3597996
Conc: 20.00 ug/ml



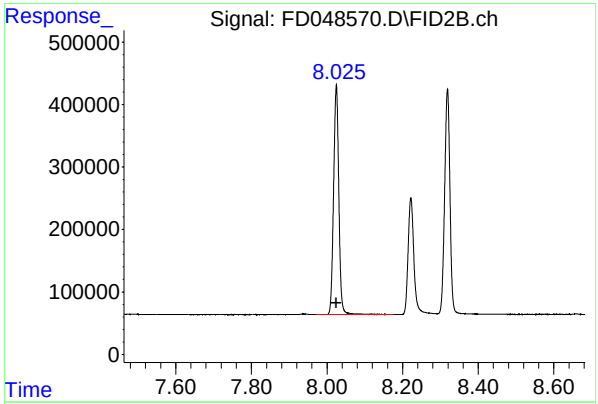
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 3595810
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

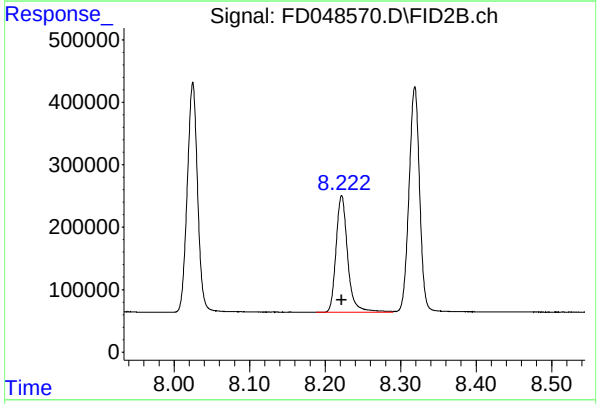
R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 3046545
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

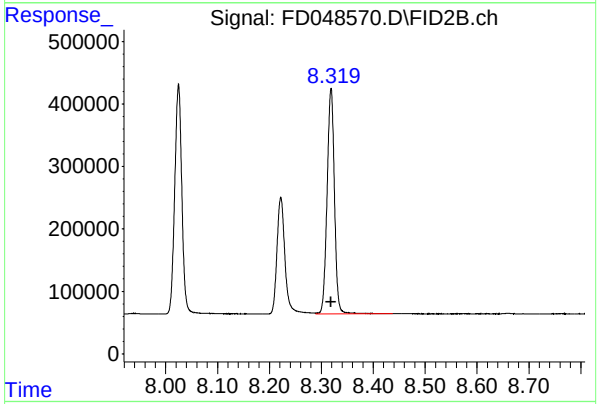
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 3519888
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



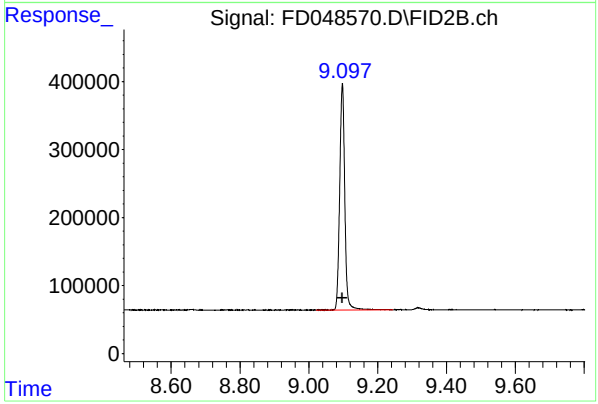
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: 0.000 min
Response: 1998164
Conc: 20.00 ug/ml



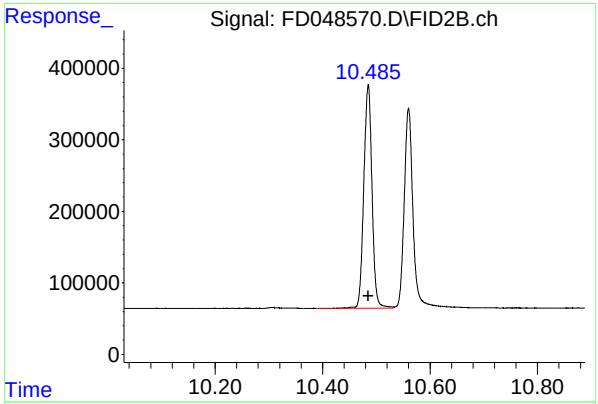
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3544868
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

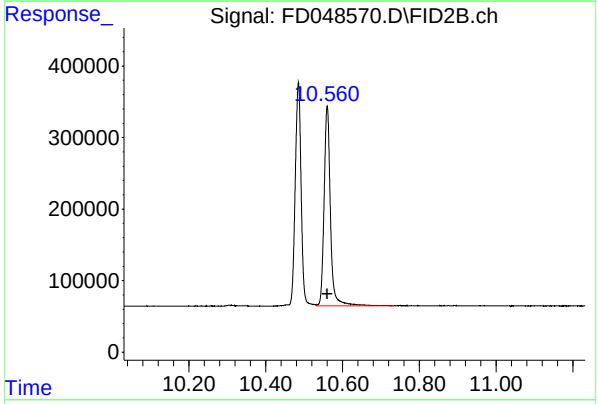
R.T.: 9.097 min
Delta R.T.: 0.000 min
Response: 3404430
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

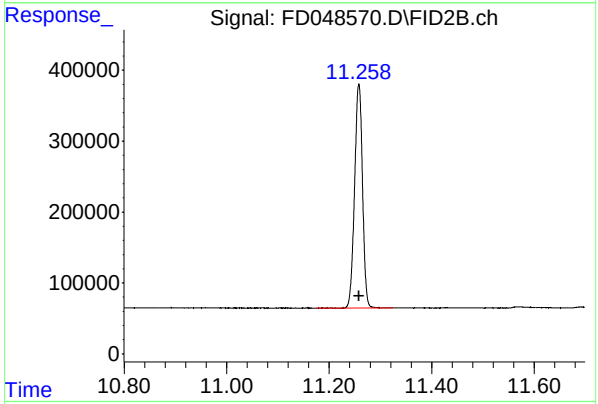
R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 3327445
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



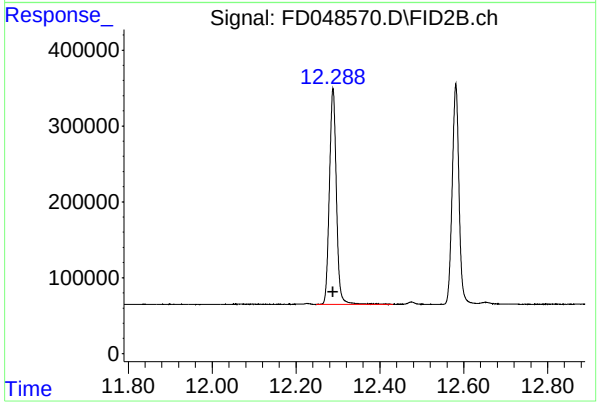
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 3212978
Conc: 20.00 ug/ml



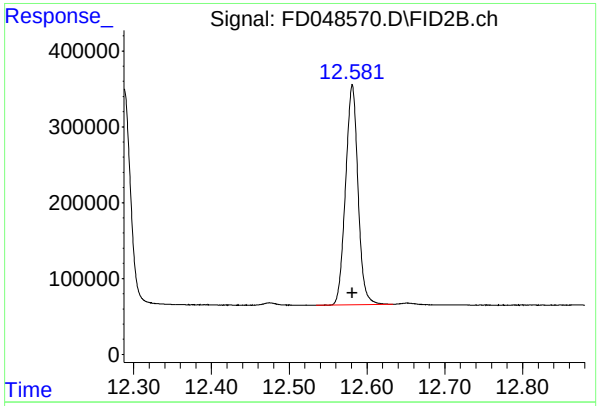
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3391146
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

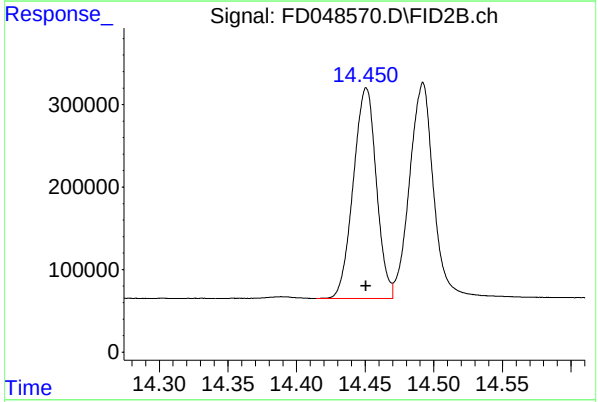
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 3291616
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

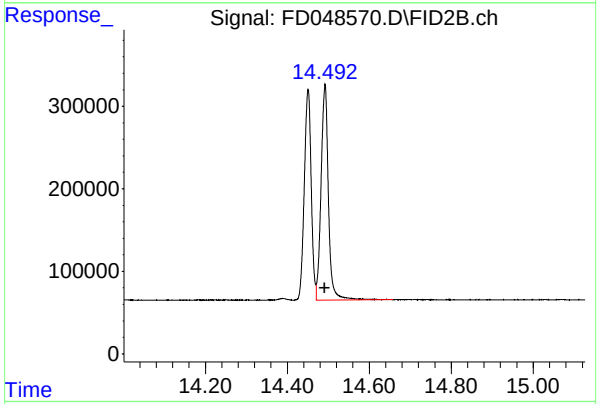
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 3226732
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



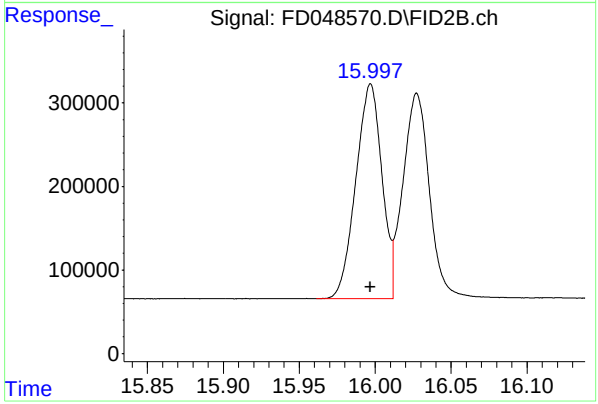
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: 0.000 min
Response: 2984688
Conc: 20.00 ug/ml



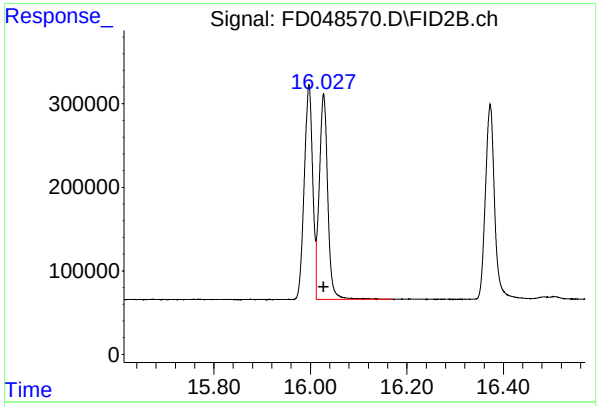
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.000 min
Response: 3250919
Conc: 20.00 ug/ml



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

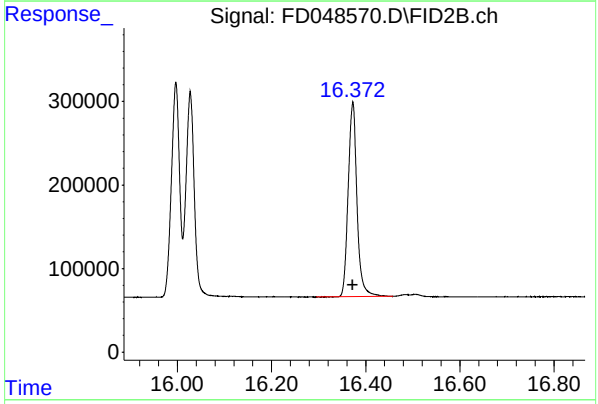
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3074553
Conc: 20.00 ug/ml



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

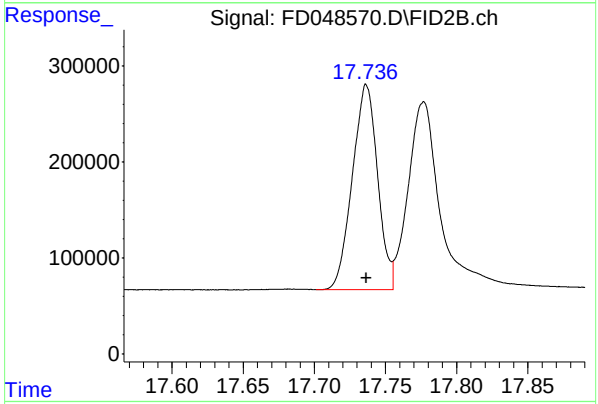
R.T.: 16.027 min
Delta R.T.: 0.000 min
Response: 3023398
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



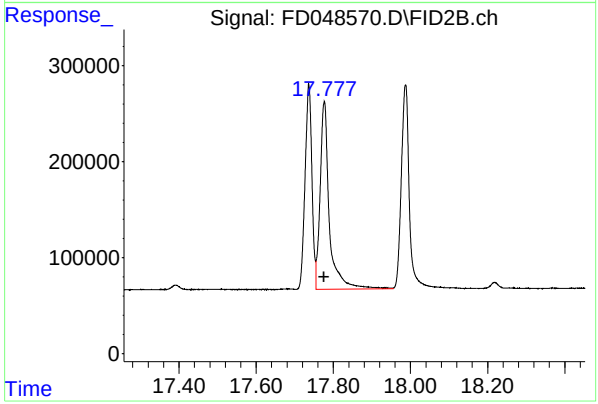
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: 0.000 min
Response: 3026012
Conc: 20.00 ug/ml



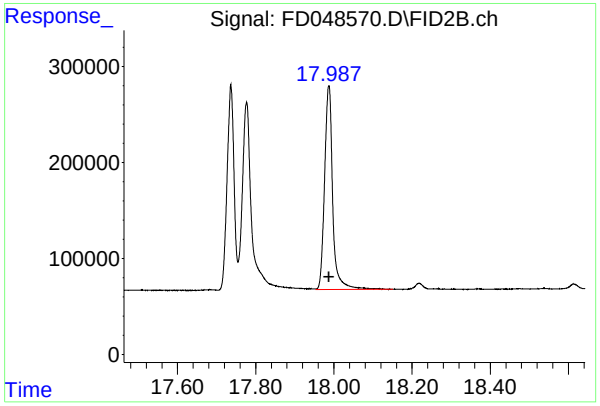
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 2636324
Conc: 20.00 ug/ml



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

R.T.: 17.777 min
Delta R.T.: 0.000 min
Response: 3263027
Conc: 20.00 ug/ml



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

R.T.: 17.987 min
Delta R.T.: 0.000 mi
Response: 3076637
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\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
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 102324.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	4.195	4.161	4.257	BV	402734	3464073	96.28%	5.174%
2	5.713	5.678	5.868	PB	378310	3597996	100.00%	5.374%
3	6.760	6.714	6.884	PV	369607	3595810	99.94%	5.370%
4	7.372	7.284	7.511	BB	309427	3046545	84.67%	4.550%
5	8.025	7.971	8.174	BV	366415	3519888	97.83%	5.257%
6	8.222	8.188	8.290	PV	185974	1998164	55.54%	2.984%
7	8.319	8.290	8.438	VB	358996	3544868	98.52%	5.294%
8	9.097	9.021	9.244	BB	332486	3404430	94.62%	5.084%
9	10.485	10.388	10.531	BV	311516	3327445	92.48%	4.970%
10	10.560	10.531	10.731	VB	280274	3212978	89.30%	4.799%
11	11.258	11.174	11.324	BB	316403	3391146	94.25%	5.065%
12	12.288	12.248	12.431	PB	284432	3291616	91.48%	4.916%
13	12.581	12.534	12.633	PV	290024	3226732	89.68%	4.819%
14	14.451	14.414	14.470	PV	256334	2984688	82.95%	4.458%
15	14.492	14.470	14.658	VB	259225	3250919	90.35%	4.855%
16	15.997	15.961	16.012	BV	257955	3074553	85.45%	4.592%
17	16.027	16.012	16.171	VB	245800	3023398	84.03%	4.515%
18	16.372	16.294	16.458	BV	230365	3026012	84.10%	4.519%
19	17.737	17.701	17.755	BV	213338	2636324	73.27%	3.937%
20	17.777	17.755	17.954	VV	197036	3263027	90.69%	4.873%
21	17.987	17.954	18.151	VB	213971	3076637	85.51%	4.595%
			Sum of corrected areas:			66957247		

Aromatic EPH 102324.M Wed Oct 23 18:18:39 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
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: Oct 23 17:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:44:12 2024
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...	7.373	1535833	10.143 ug/ml
Spiked Amount	50.000		Recovery =	20.29%
6) S	2-Flurobiphenyl (SURR)	8.224	998081	9.973 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	19.95%
11) S	ortho-Terphenyl (SURR)	11.257	1758096	10.404 ug/ml
Spiked Amount	50.000		Recovery =	20.81%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.196	1780007	10.297 ug/ml
2) T	Naphthalene (C11.7)	5.714	1822653	10.186 ug/ml
3) T	2-Methylnaphthalene (...	6.760	1826622	10.197 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	1809718	10.335 ug/ml
7) T	Acenaphthene (C15.5)	8.318	1838643	10.425 ug/ml
8) T	Flouorene (C16.55)	9.098	1719817	10.154 ug/ml
9) T	Phenanthrene (C19.36)	10.484	1680489	10.124 ug/ml
10) T	Anthracene (C19.43)	10.560	1635709	10.260 ug/ml
12) T	Fluoranthene (C21.85)	12.288	1671203	10.236 ug/ml
13) T	Pyrene (C20.8)	12.581	1639022	10.183 ug/ml
14) T	Benzo[a]anthracene (C...	14.450	1472368	9.868 ug/ml
15) T	Chrysene (C27.41)	14.491	1725560	10.700 ug/ml
16) T	benzo[b]fluoranthene ...	15.995	1544713	10.045 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.026	1579300	10.611 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.374	1518079	10.066 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	1259393	9.340 ug/ml
20) T	Dibenz[a,h]anthracene...	17.779	1780079	11.209 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.986	1603528	10.461 ug/ml

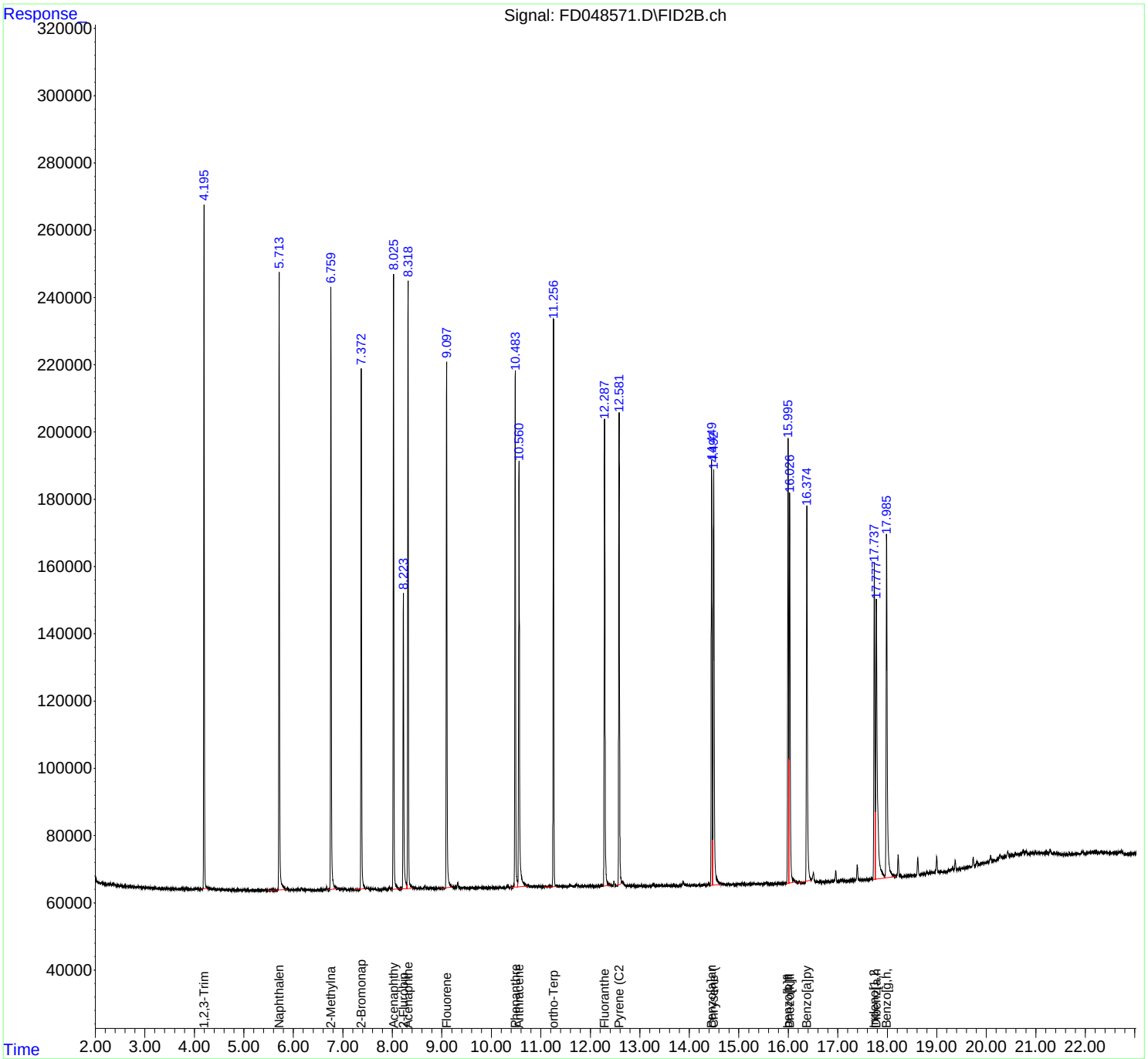
(f)=RT Delta > 1/2 Window (m)=manual int.

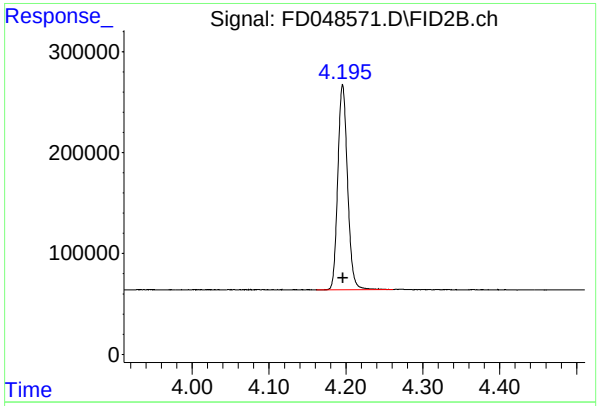
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:44:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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

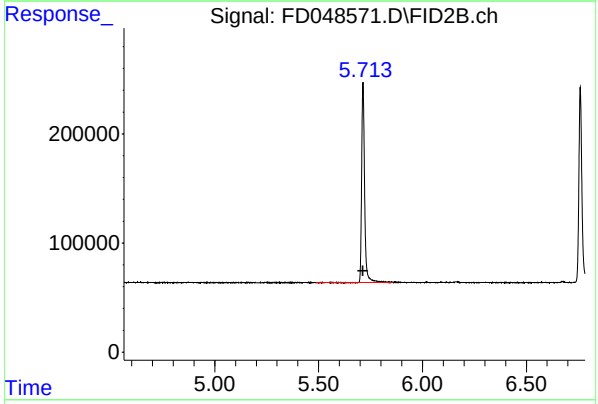




#1 1,2,3-Trimethylbenzene (C10.1)

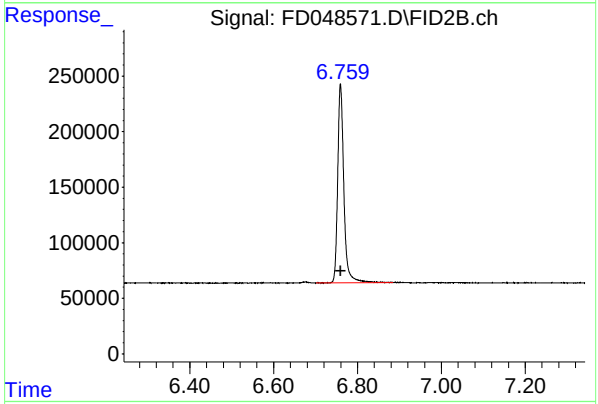
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 1780007
Conc: 10.30 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



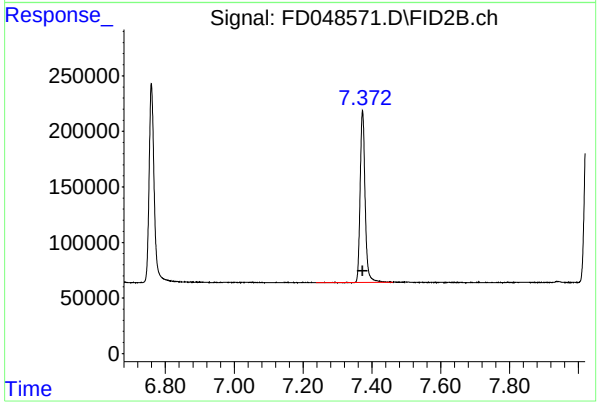
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 1822653
Conc: 10.19 ug/ml



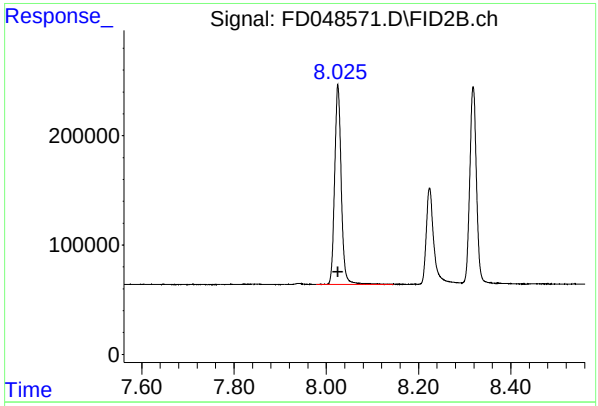
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 1826622
Conc: 10.20 ug/ml



#4 2-Bromonaphthalene (SURR)

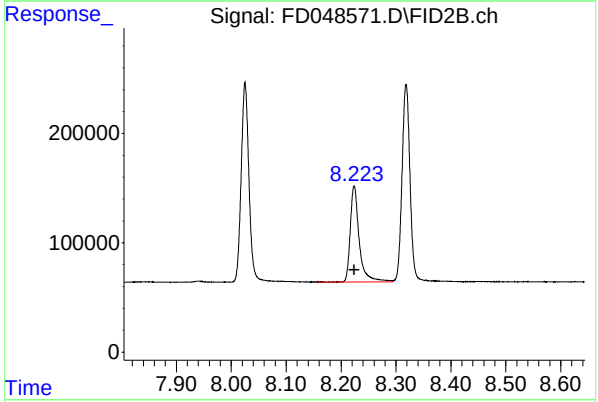
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 1535833
Conc: 10.14 ug/ml



#5 Acenaphthylene (C15.06)

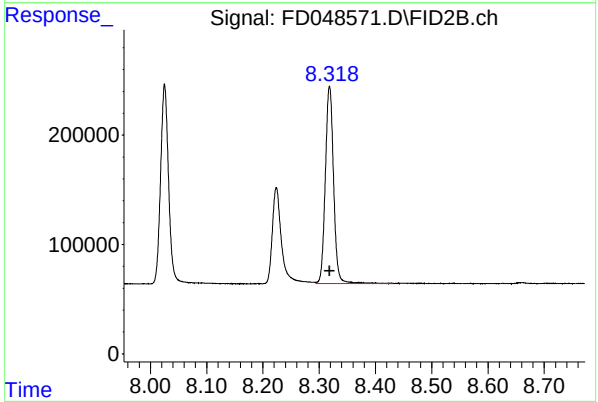
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 1809718
Conc: 10.34 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



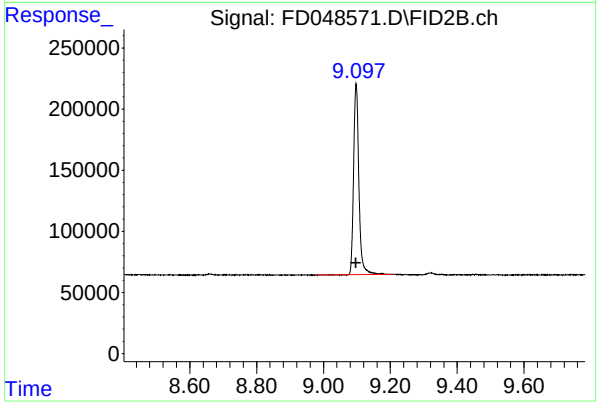
#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: 0.000 min
Response: 998081
Conc: 9.97 ug/ml



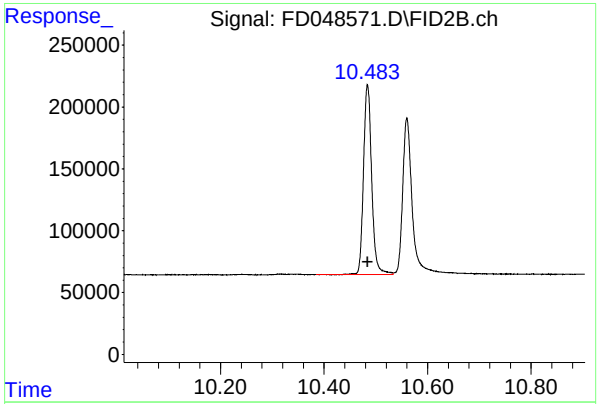
#7 Acenaphthene (C15.5)

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 1838643
Conc: 10.43 ug/ml



#8 Flouorene (C16.55)

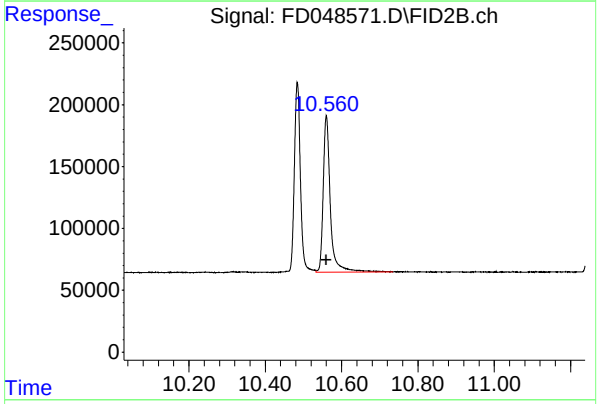
R.T.: 9.098 min
Delta R.T.: 0.000 min
Response: 1719817
Conc: 10.15 ug/ml



#9 Phenanthrene (C19.36)

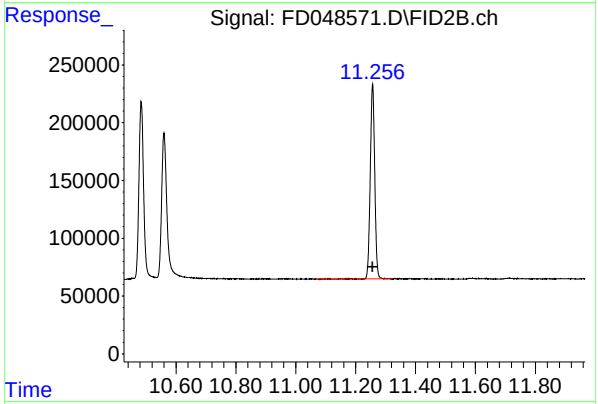
R.T.: 10.484 min
Delta R.T.: 0.000 min
Response: 1680489
Conc: 10.12 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



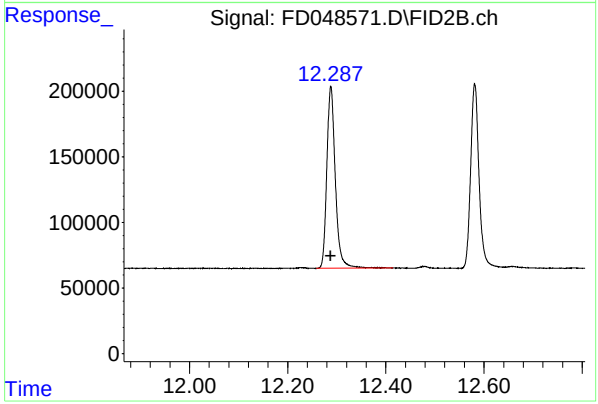
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 1635709
Conc: 10.26 ug/ml



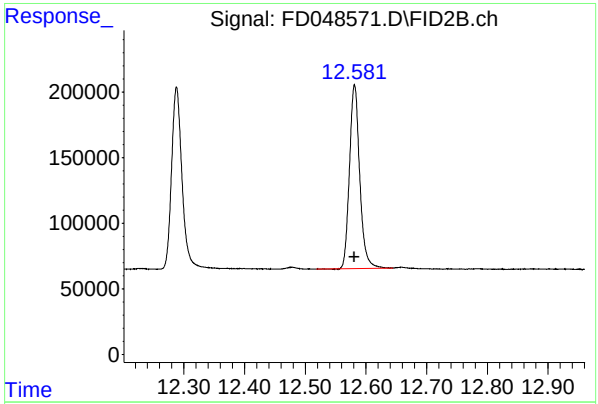
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 1758096
Conc: 10.40 ug/ml



#12 Fluoranthene (C21.85)

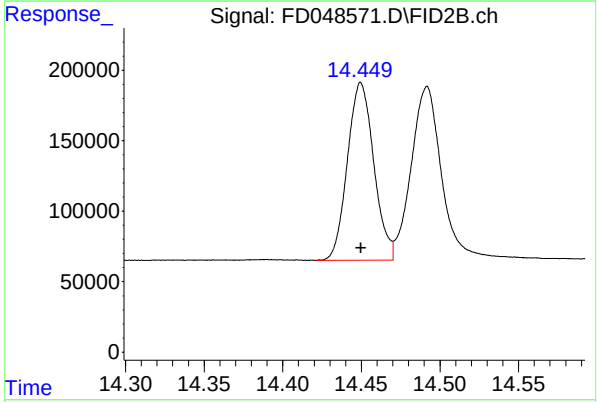
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 1671203
Conc: 10.24 ug/ml



#13 Pyrene (C20.8)

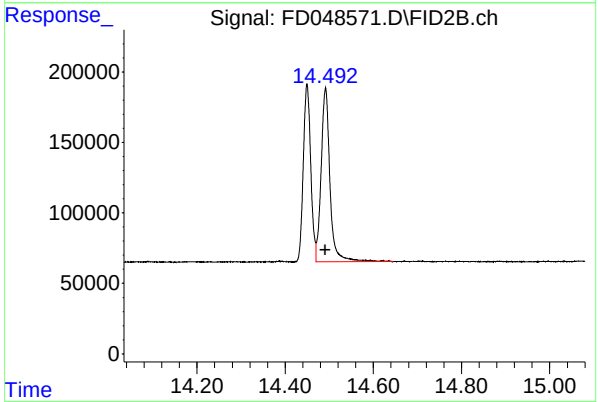
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 1639022
Conc: 10.18 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



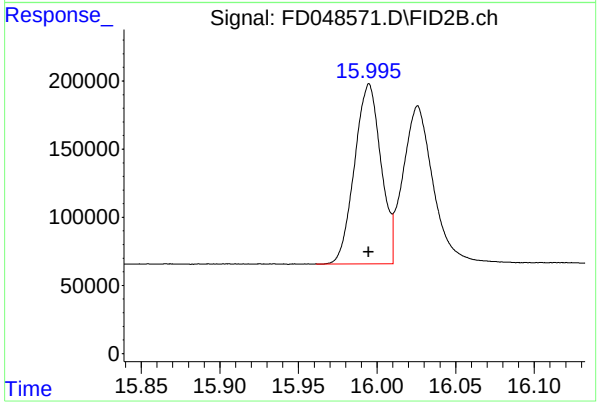
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: 0.000 min
Response: 1472368
Conc: 9.87 ug/ml



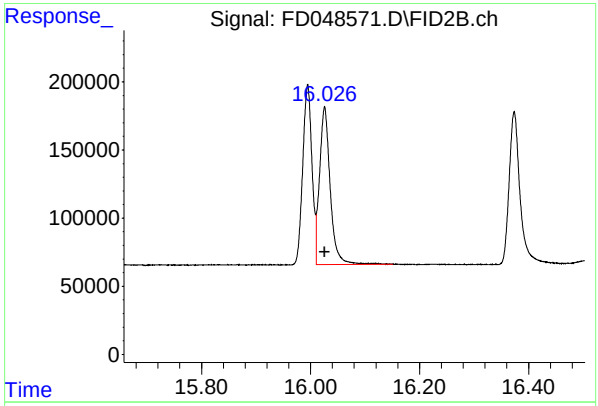
#15 Chrysene (C27.41)

R.T.: 14.491 min
Delta R.T.: 0.000 min
Response: 1725560
Conc: 10.70 ug/ml



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

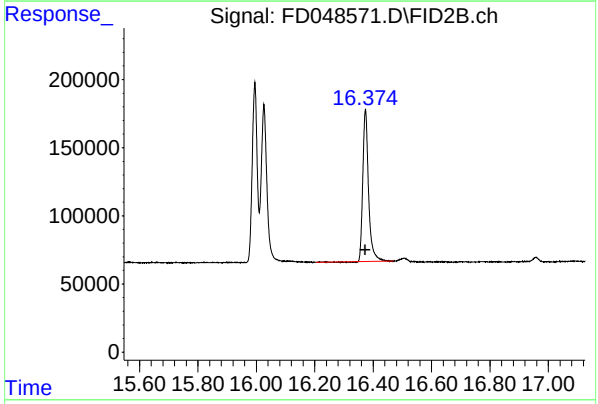
R.T.: 15.995 min
Delta R.T.: 0.000 min
Response: 1544713
Conc: 10.04 ug/ml



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

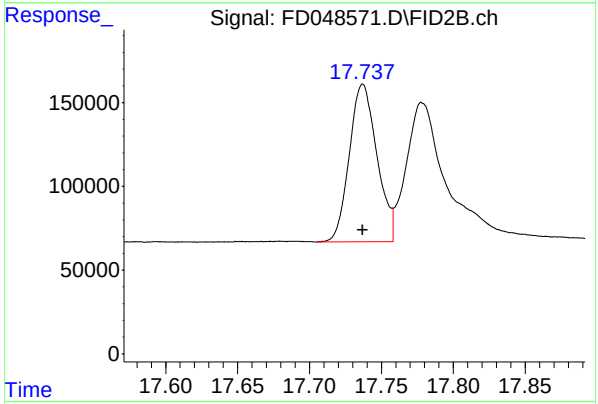
R.T.: 16.026 min
Delta R.T.: 0.000 min
Response: 1579300
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



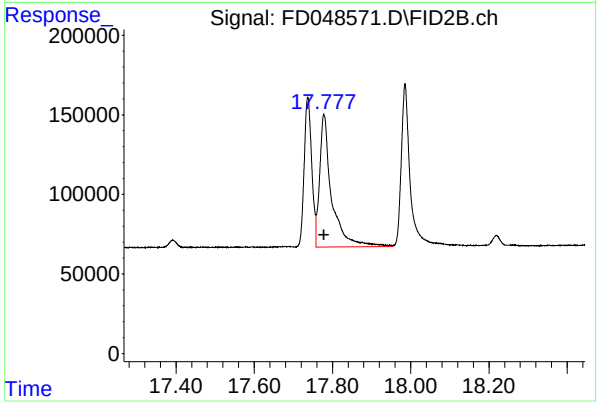
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 1518079
Conc: 10.07 ug/ml



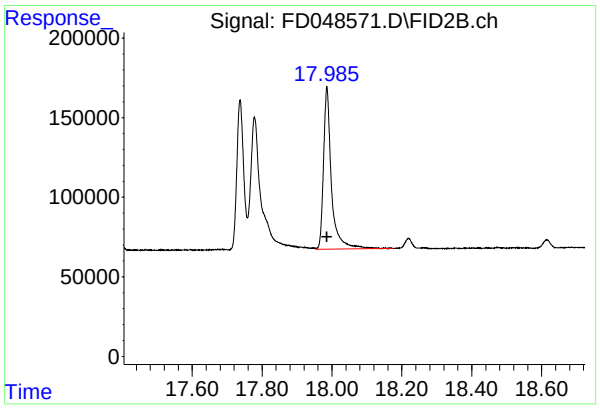
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 1259393
Conc: 9.34 ug/ml



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

R.T.: 17.779 min
Delta R.T.: 0.000 min
Response: 1780079
Conc: 11.21 ug/ml



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

R.T.: 17.986 min
Delta R.T.: 0.000 mi
Response: 1603528
Conc: 10.46 ug/m

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
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 102324.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	4.196	4.161	4.261	BV	201703	1780007	96.81%	5.205%
2	5.714	5.488	5.858	BB	181375	1822653	99.13%	5.330%
3	6.760	6.701	6.885	BB	175216	1826622	99.35%	5.341%
4	7.373	7.238	7.461	BB	154245	1535833	83.53%	4.491%
5	8.025	7.978	8.145	BB	181606	1809718	98.43%	5.292%
6	8.224	8.155	8.295	BV	87703	998081	54.28%	2.918%
7	8.318	8.295	8.431	VV	180640	1838643	100.00%	5.376%
8	9.098	8.978	9.208	BB	155949	1719817	93.54%	5.029%
9	10.484	10.385	10.533	BV	153275	1680489	91.40%	4.914%
10	10.560	10.533	10.735	VB	125868	1635709	88.96%	4.783%
11	11.257	11.068	11.325	BB	168238	1758096	95.62%	5.141%
12	12.288	12.258	12.415	BB	138726	1671203	90.89%	4.887%
13	12.581	12.518	12.645	BV	140018	1639022	89.14%	4.793%
14	14.450	14.421	14.470	PV	124977	1472368	80.08%	4.305%
15	14.491	14.470	14.645	VB	122848	1725560	93.85%	5.046%
16	15.995	15.961	16.010	BV	131640	1544713	84.01%	4.517%
17	16.026	16.010	16.151	VB	114804	1579300	85.89%	4.618%
18	16.374	16.205	16.468	BV	111460	1518079	82.57%	4.439%
19	17.737	17.705	17.758	BV	94271	1259393	68.50%	3.683%
20	17.779	17.758	17.955	VV	83223	1780079	96.81%	5.205%
21	17.986	17.955	18.175	VB	101691	1603528	87.21%	4.689%
			Sum of corrected areas:			34198912		

Aromatic EPH 102324.M Wed Oct 23 18:19:08 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
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

Integration File: autoint1.e
Quant Time: Oct 23 18:14:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:05 2024
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...	7.375	765966	5.047 ug/ml
Spiked Amount	50.000		Recovery =	10.09%
6) S	2-Flurobiphenyl (SURR)	8.228	453280	4.616 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	9.23%
11) S	ortho-Terphenyl (SURR)	11.257	878976	5.160 ug/ml
Spiked Amount	50.000		Recovery =	10.32%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.197	891941	5.127 ug/ml
2) T	Naphthalene (C11.7)	5.716	882030	4.943 ug/ml
3) T	2-Methylnaphthalene (...	6.762	888953	4.970 ug/ml
5) T	Acenaphthylene (C15.06)	8.026	887785	5.056 ug/ml
7) T	Acenaphthene (C15.5)	8.319	906880	5.113 ug/ml
8) T	Flouorene (C16.55)	9.101	838419	4.960 ug/ml
9) T	Phenanthrene (C19.36)	10.487	812730	4.917 ug/ml
10) T	Anthracene (C19.43)	10.565	809302	5.061 ug/ml
12) T	Fluoranthene (C21.85)	12.291	849157	5.160 ug/ml
13) T	Pyrene (C20.8)	12.583	807675	5.014 ug/ml
14) T	Benzo[a]anthracene (C...	14.453	671281	4.591 ug/ml
15) T	Chrysene (C27.41)	14.493	886842	5.391 ug/ml
16) T	benzo[b]fluoranthene ...	15.998	725025	4.769 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.030	780831	5.195 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.381	746043	4.957 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	565150	4.331 ug/ml
20) T	Dibenz[a,h]anthracene...	17.787	892102	5.482 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.990	761556	4.974 ug/ml

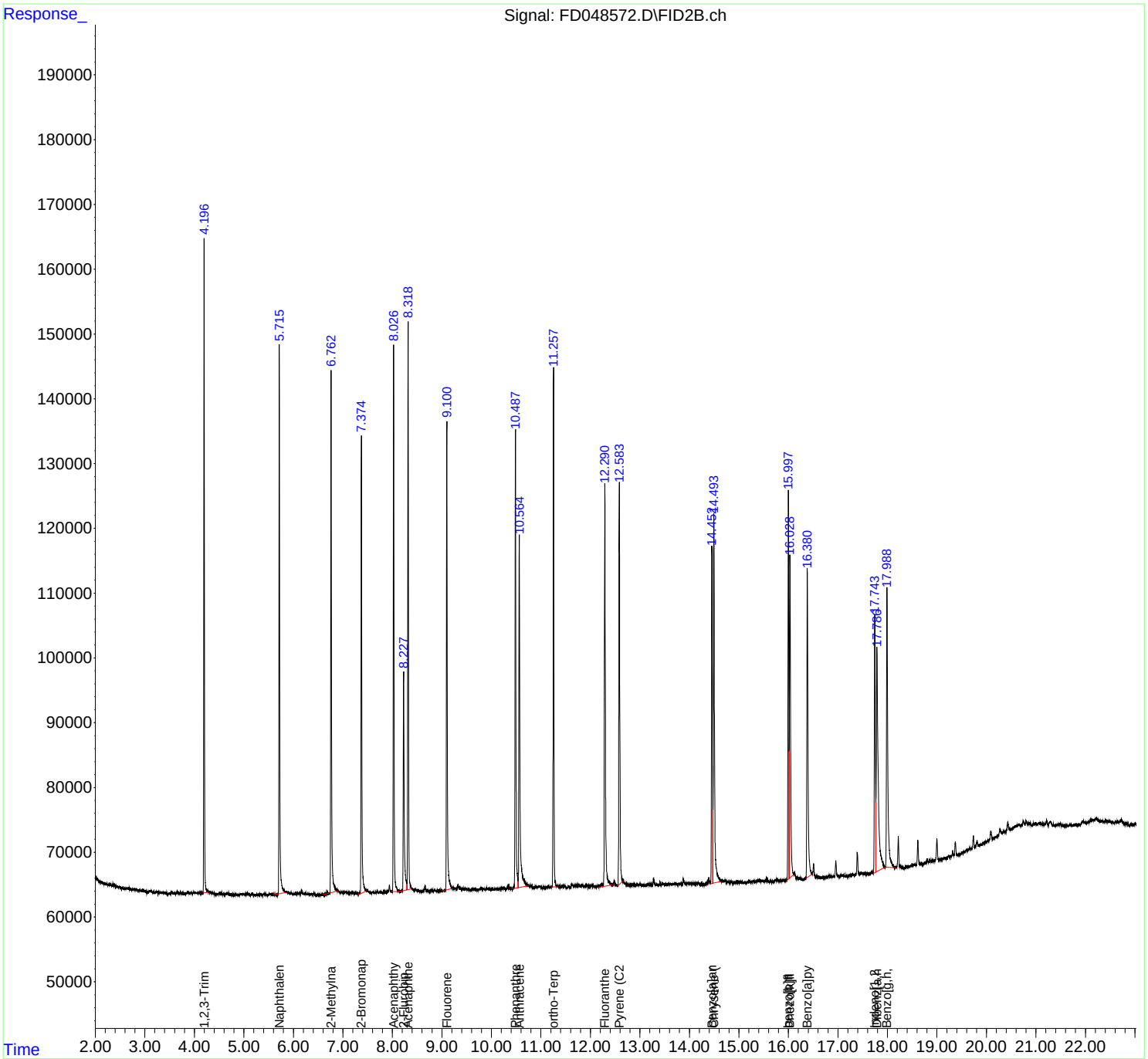
(f)=RT Delta > 1/2 Window (m)=manual int.

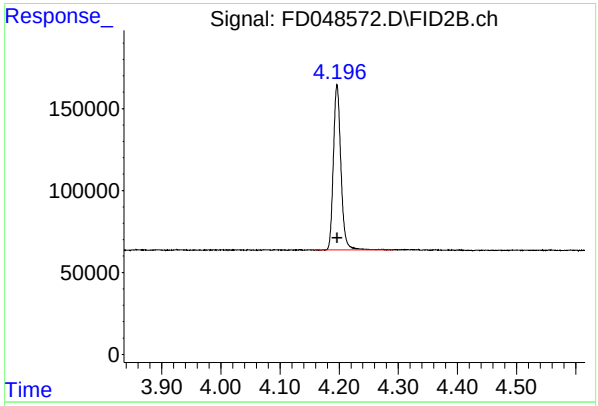
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:14:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

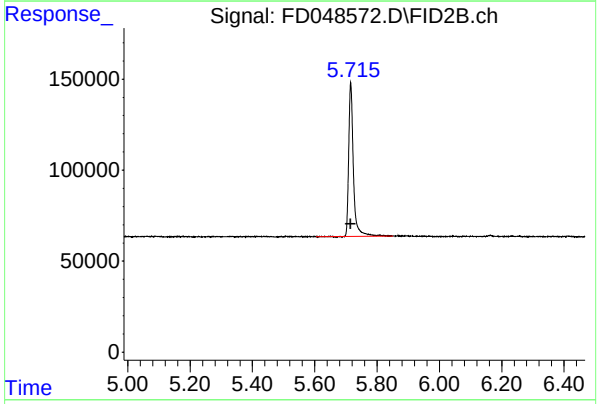




#1 1,2,3-Trimethylbenzene (C10.1)

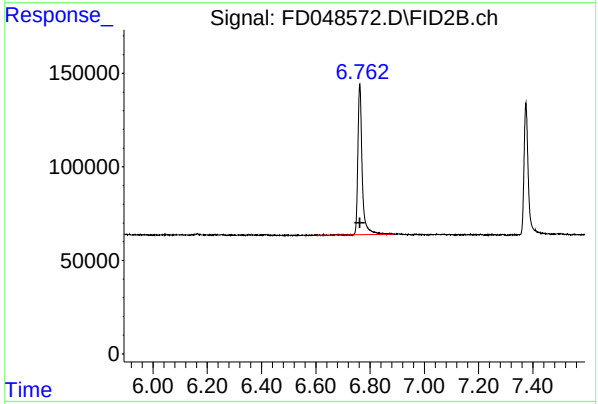
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 891941
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



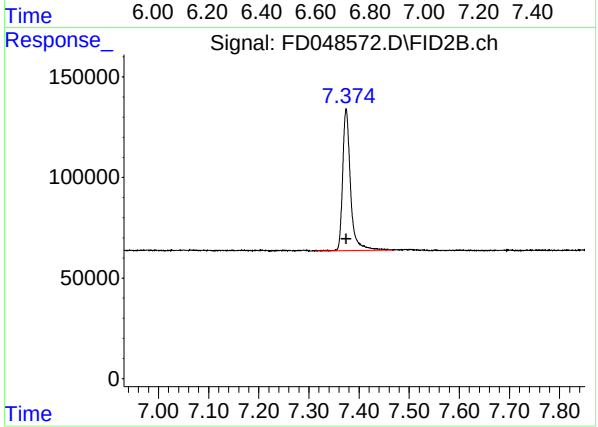
#2 Naphthalene (C11.7)

R.T.: 5.716 min
Delta R.T.: 0.000 min
Response: 882030
Conc: 4.94 ug/ml



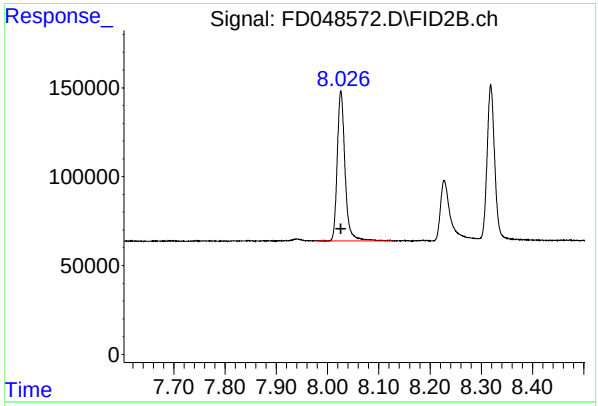
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 888953
Conc: 4.97 ug/ml



#4 2-Bromonaphthalene (SURR)

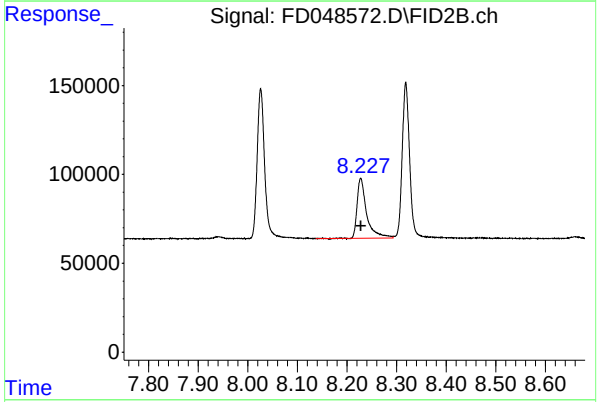
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 765966
Conc: 5.05 ug/ml



#5 Acenaphthylene (C15.06)

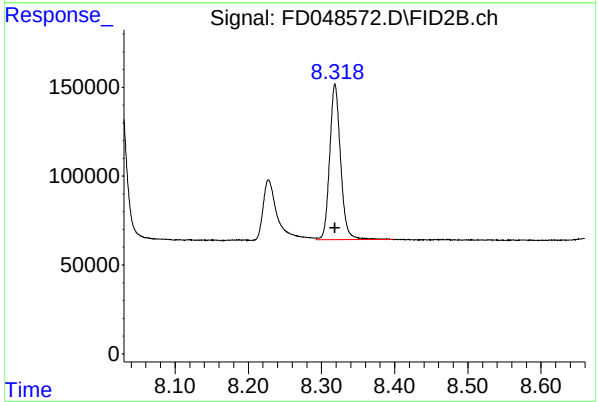
R.T.: 8.026 min
Delta R.T.: 0.000 min
Response: 887785
Conc: 5.06 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



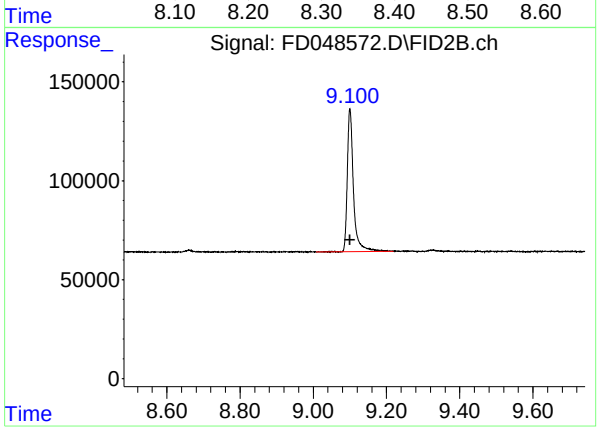
#6 2-Flurobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 453280
Conc: 4.62 ug/ml



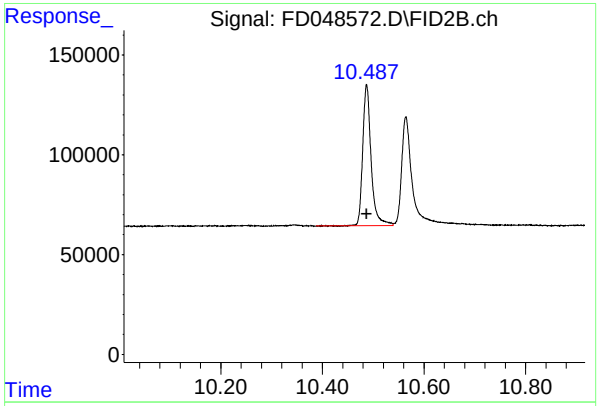
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 906880
Conc: 5.11 ug/ml



#8 Flouorene (C16.55)

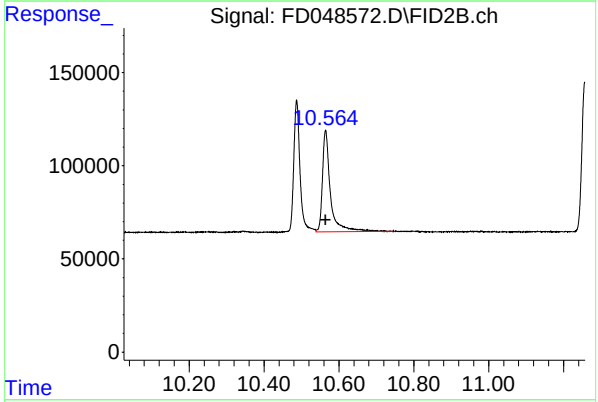
R.T.: 9.101 min
Delta R.T.: 0.000 min
Response: 838419
Conc: 4.96 ug/ml



#9 Phenanthrene (C19.36)

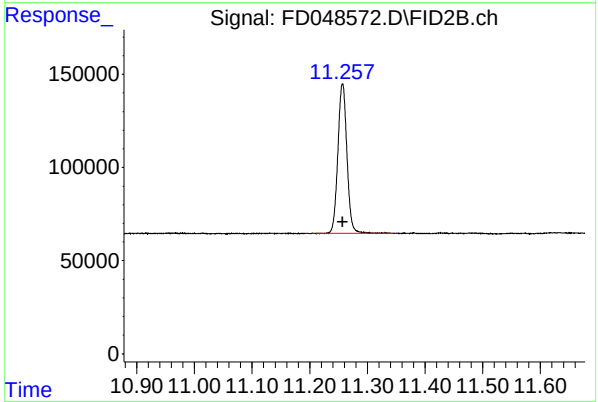
R.T.: 10.487 min
Delta R.T.: 0.000 min
Response: 812730
Conc: 4.92 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



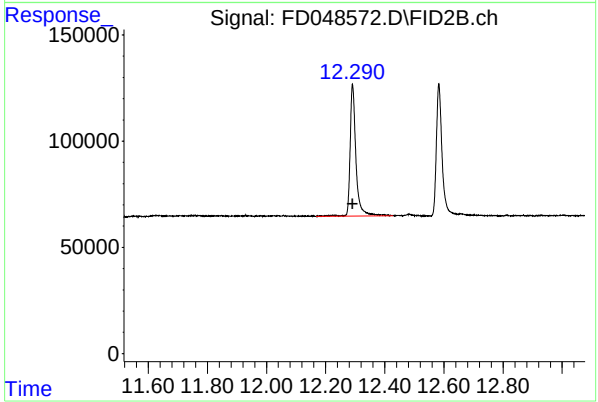
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 809302
Conc: 5.06 ug/ml



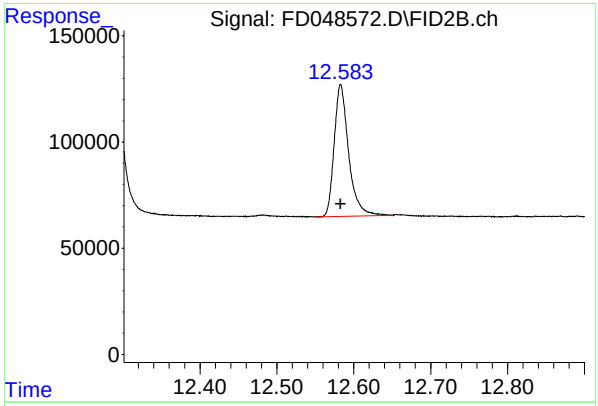
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 878976
Conc: 5.16 ug/ml



#12 Fluoranthene (C21.85)

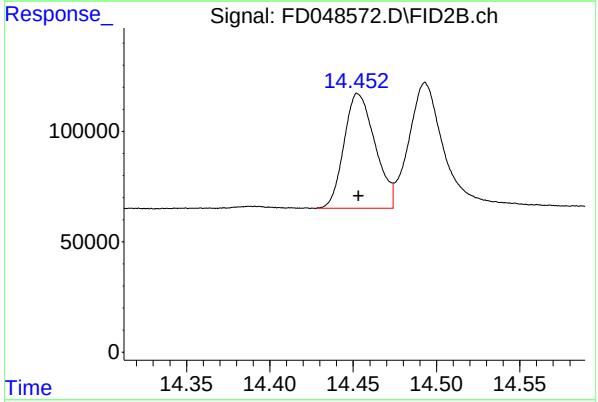
R.T.: 12.291 min
Delta R.T.: 0.000 min
Response: 849157
Conc: 5.16 ug/ml



#13 Pyrene (C20.8)

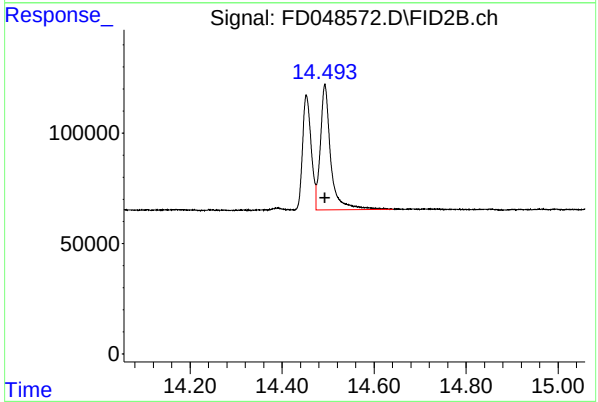
R.T.: 12.583 min
Delta R.T.: 0.000 min
Response: 807675
Conc: 5.01 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



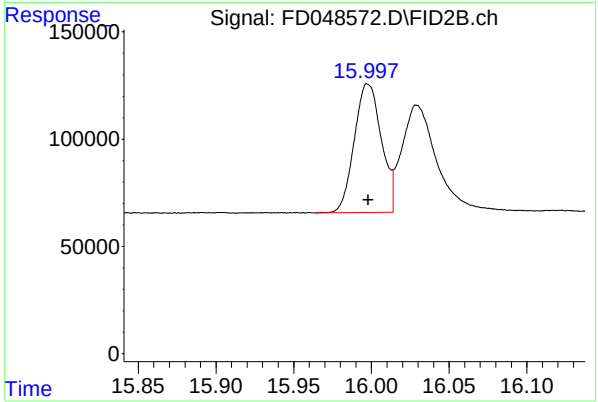
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.453 min
Delta R.T.: 0.000 min
Response: 671281
Conc: 4.59 ug/ml



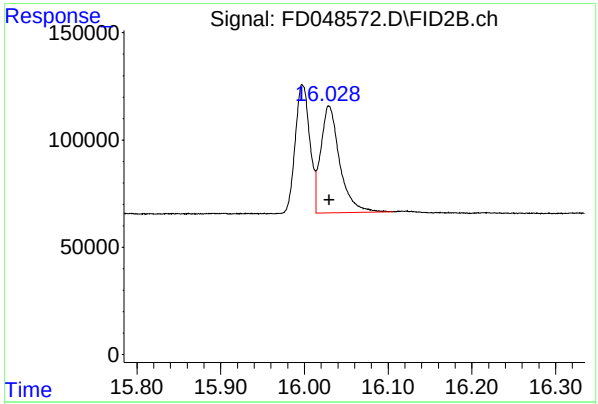
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: 0.000 min
Response: 886842
Conc: 5.39 ug/ml



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

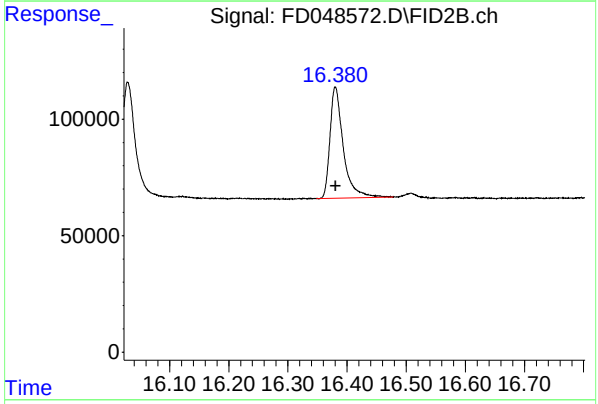
R.T.: 15.998 min
Delta R.T.: 0.000 min
Response: 725025
Conc: 4.77 ug/ml



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

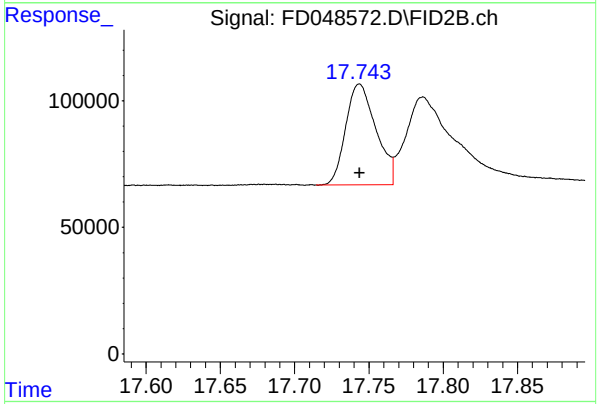
R.T.: 16.030 min
Delta R.T.: 0.000 min
Response: 780831
Conc: 5.20 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



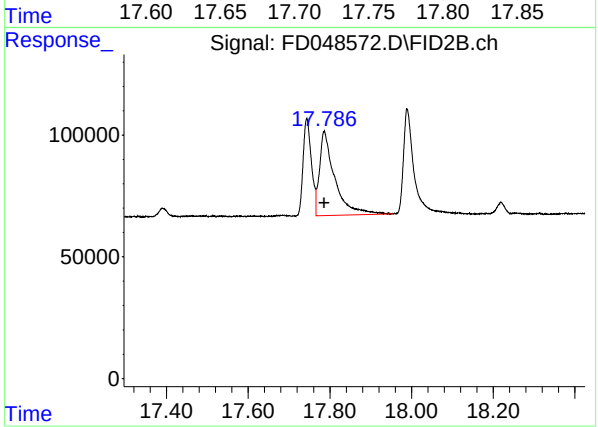
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 746043
Conc: 4.96 ug/ml



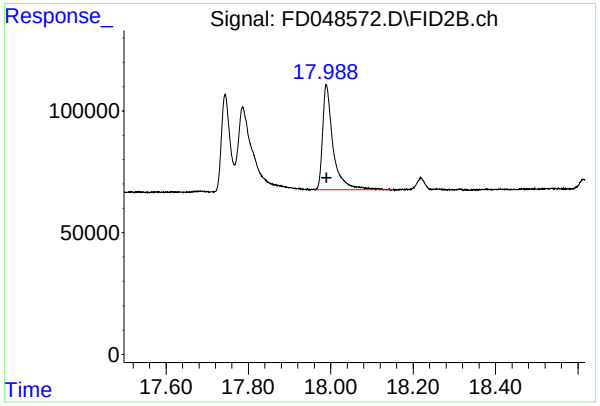
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: 0.000 min
Response: 565150
Conc: 4.33 ug/ml



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

R.T.: 17.787 min
Delta R.T.: 0.000 min
Response: 892102
Conc: 5.48 ug/ml



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

R.T.: 17.990 min
Delta R.T.: 0.000 mi
Response: 761556
Conc: 4.97 ug/m

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
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 102324.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	4.197	4.161	4.291	BB	99856	891941	98.35%	5.340%
2	5.716	5.604	5.851	BB	84500	882030	97.26%	5.281%
3	6.762	6.601	6.884	BB	80288	888953	98.02%	5.322%
4	7.375	7.314	7.468	BB	70282	765966	84.46%	4.586%
5	8.026	7.978	8.128	BB	83372	887785	97.89%	5.315%
6	8.228	8.138	8.293	BV	33723	453280	49.98%	2.714%
7	8.319	8.293	8.398	VB	87190	906880	100.00%	5.430%
8	9.101	9.008	9.218	BB	71759	838419	92.45%	5.020%
9	10.487	10.388	10.539	BV	70612	812730	89.62%	4.866%
10	10.565	10.539	10.744	VB	54403	809302	89.24%	4.846%
11	11.257	11.211	11.344	BB	80592	878976	96.92%	5.263%
12	12.291	12.168	12.428	BB	61860	849157	93.64%	5.084%
13	12.583	12.551	12.651	BV	61467	807675	89.06%	4.836%
14	14.453	14.428	14.474	PV	51289	671281	74.02%	4.019%
15	14.493	14.474	14.641	VB	56549	886842	97.79%	5.310%
16	15.998	15.964	16.014	BV	60013	725025	79.95%	4.341%
17	16.030	16.014	16.106	VV	49388	780831	86.10%	4.675%
18	16.381	16.348	16.478	BV	47621	746043	82.26%	4.467%
19	17.744	17.714	17.766	BV	39855	565150	62.32%	3.384%
20	17.787	17.766	17.954	VB	34397	892102	98.37%	5.341%
21	17.990	17.964	18.151	BB	42474	761556	83.98%	4.560%
			Sum of corrected areas:			16701921		

Aromatic EPH 102324.M Wed Oct 23 18:19:26 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
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: Oct 23 18:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.372	3035391	19.999 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.222	2009011	20.460 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.92%
11) S	ortho-Terphenyl (SURR)	11.258	3418196	20.067 ug/ml
Spiked Amount	50.000		Recovery =	40.13%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	3511974	20.187 ug/ml
2) T	Naphthalene (C11.7)	5.713	3621999	20.299 ug/ml
3) T	2-Methylnaphthalene (...	6.760	3629138	20.290 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	3549708	20.216 ug/ml
7) T	Acenaphthene (C15.5)	8.319	3566386	20.108 ug/ml
8) T	Flouorene (C16.55)	9.098	3449130	20.405 ug/ml
9) T	Phenanthrene (C19.36)	10.485	3337748	20.191 ug/ml
10) T	Anthracene (C19.43)	10.560	3166872	19.804 ug/ml
12) T	Fluoranthene (C21.85)	12.288	3304952	20.082 ug/ml
13) T	Pyrene (C20.8)	12.581	3231023	20.059 ug/ml
14) T	Benzo[a]anthracene (C...	14.450	2986450	20.425 ug/ml
15) T	Chrysene (C27.41)	14.492	3268283	19.869 ug/ml
16) T	benzo[b]fluoranthene ...	15.997	3076351	20.235 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.029	3007230	20.008 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.372	3055729	20.304 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	2639364	20.228 ug/ml
20) T	Dibenz[a,h]anthracene...	17.776	3309486	20.337 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.987	3030209	19.793 ug/ml

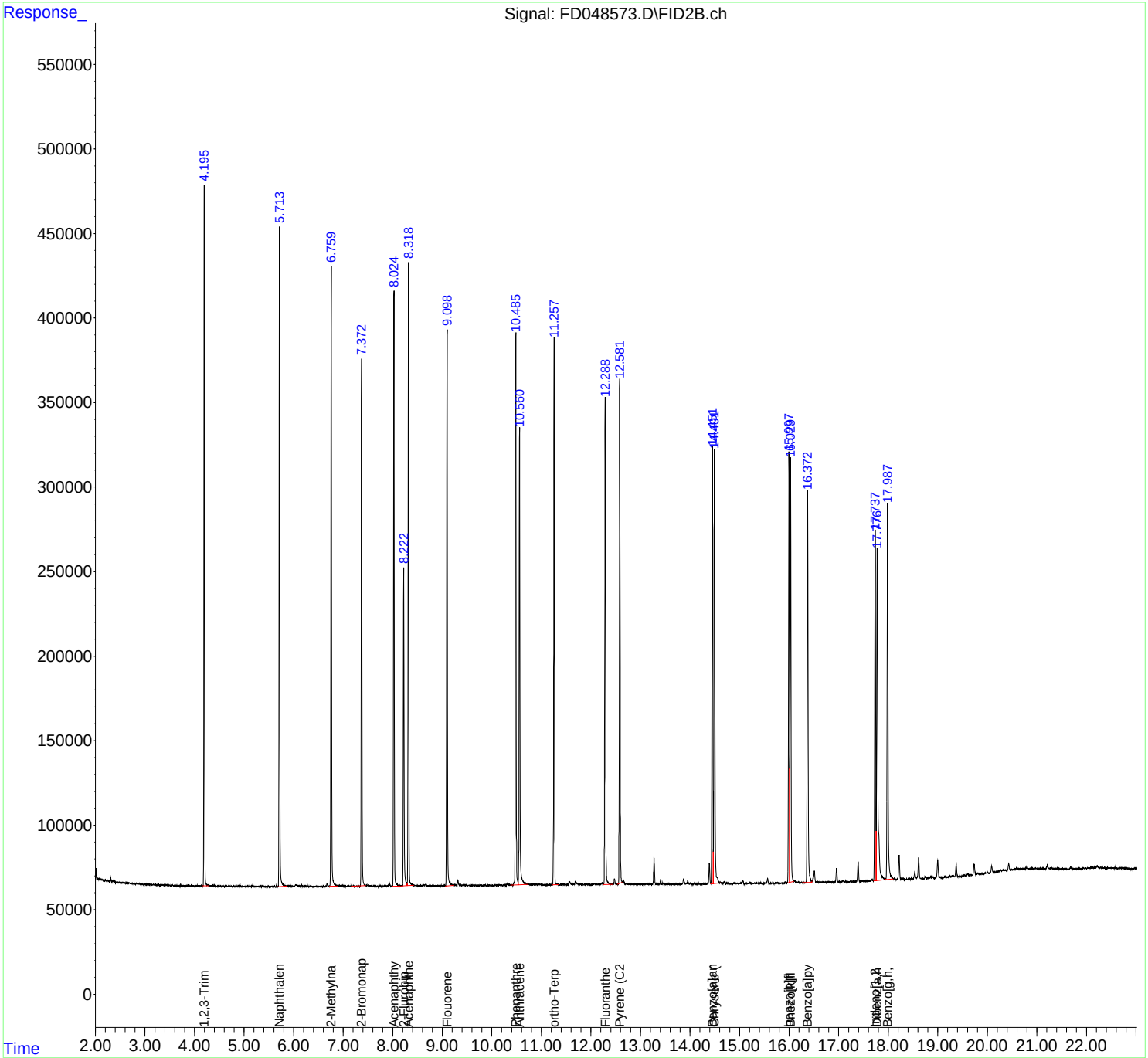
(f)=RT Delta > 1/2 Window (m)=manual int.

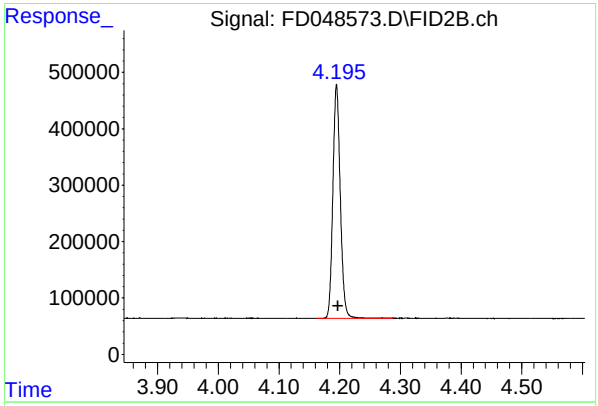
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

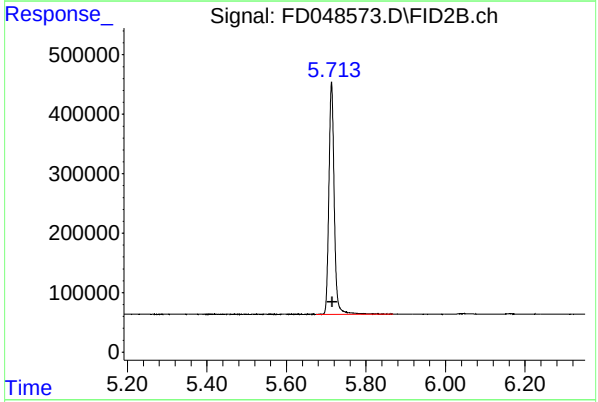




#1 1,2,3-Trimethylbenzene (C10.1)

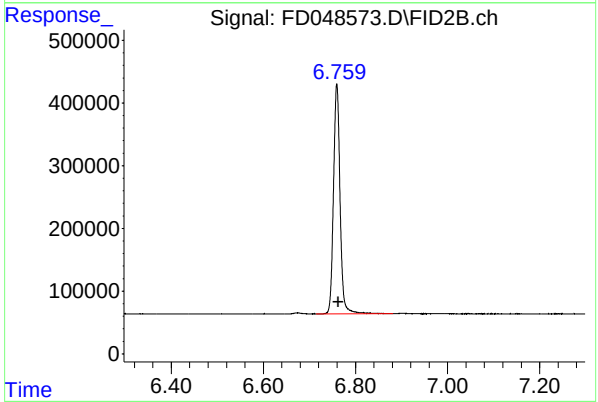
R.T.: 4.195 min
Delta R.T.: -0.002 min
Response: 3511974
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



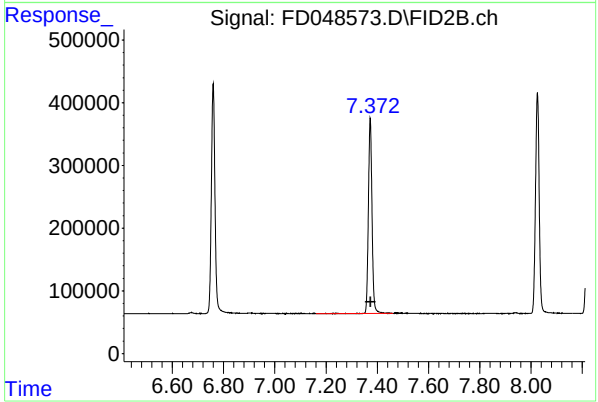
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: -0.002 min
Response: 3621999
Conc: 20.30 ug/ml



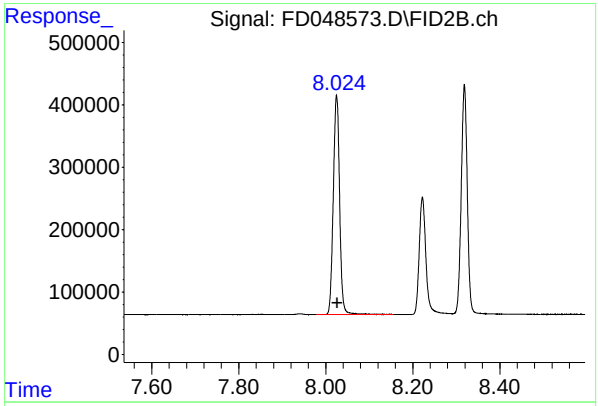
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: -0.003 min
Response: 3629138
Conc: 20.29 ug/ml



#4 2-Bromonaphthalene (SURR)

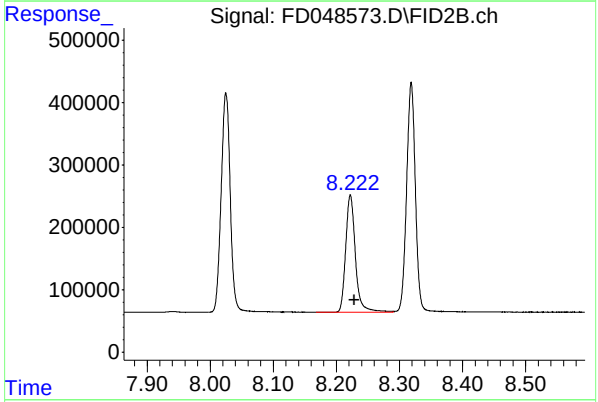
R.T.: 7.372 min
Delta R.T.: -0.002 min
Response: 3035391
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

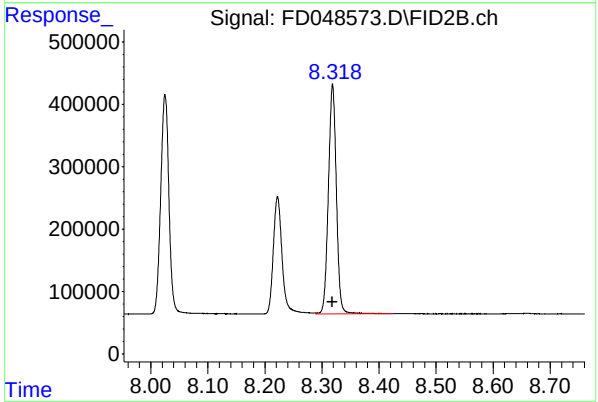
R.T.: 8.025 min
Delta R.T.: -0.001 min
Response: 3549708
Conc: 20.22 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



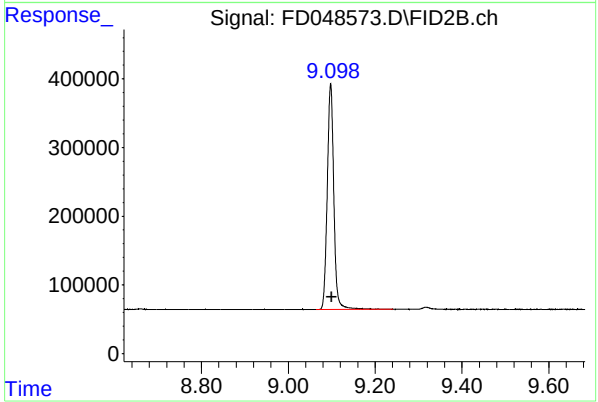
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 2009011
Conc: 20.46 ug/ml



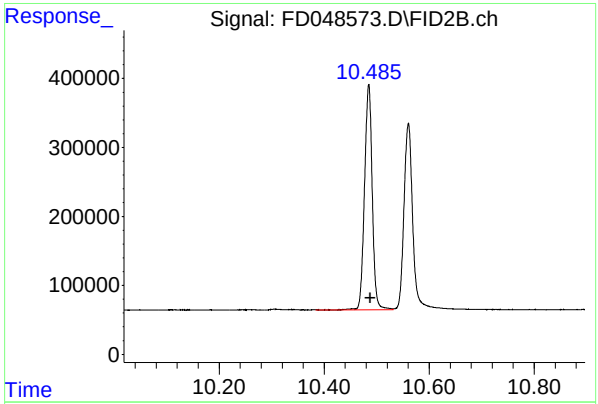
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3566386
Conc: 20.11 ug/ml



#8 Flouorene (C16.55)

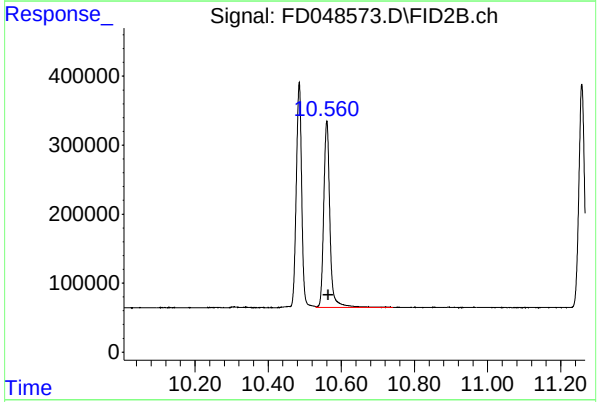
R.T.: 9.098 min
Delta R.T.: -0.003 min
Response: 3449130
Conc: 20.40 ug/ml



#9 Phenanthrene (C19.36)

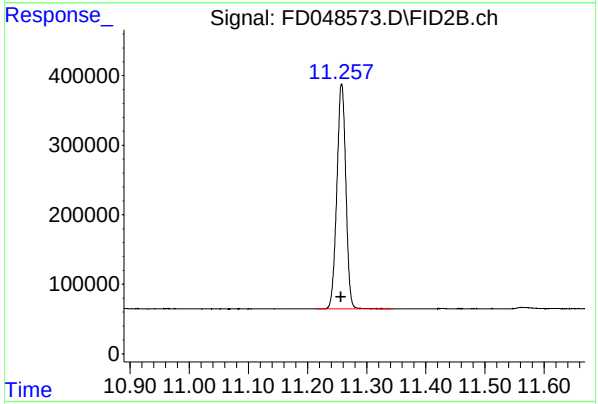
R.T.: 10.485 min
Delta R.T.: -0.003 min
Response: 3337748
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



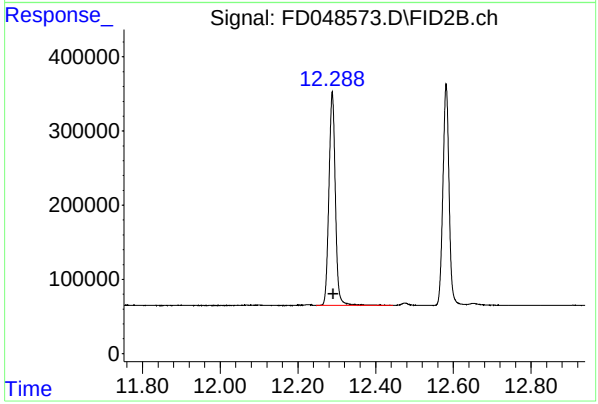
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.004 min
Response: 3166872
Conc: 19.80 ug/ml



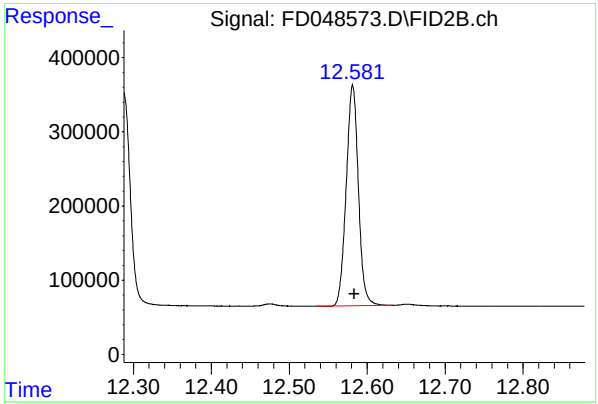
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3418196
Conc: 20.07 ug/ml



#12 Fluoranthene (C21.85)

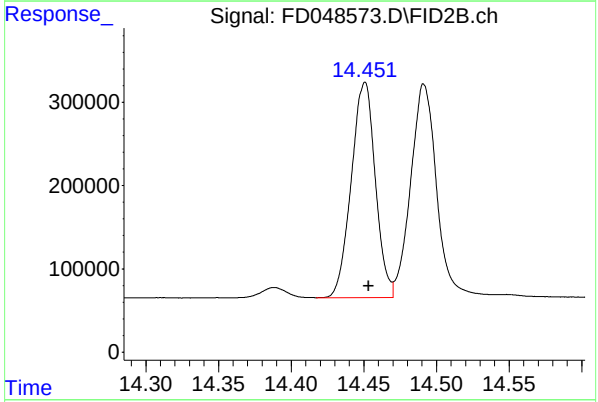
R.T.: 12.288 min
Delta R.T.: -0.003 min
Response: 3304952
Conc: 20.08 ug/ml



#13 Pyrene (C20.8)

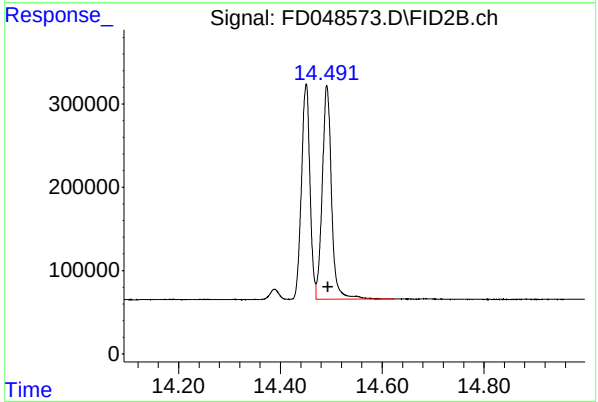
R.T.: 12.581 min
Delta R.T.: -0.002 min
Response: 3231023
Conc: 20.06 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



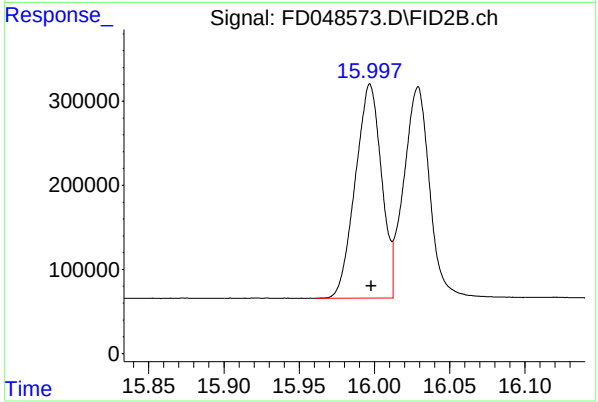
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: -0.003 min
Response: 2986450
Conc: 20.42 ug/ml



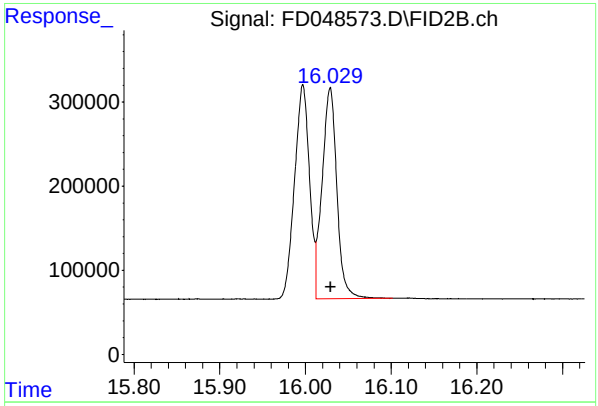
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.002 min
Response: 3268283
Conc: 19.87 ug/ml



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

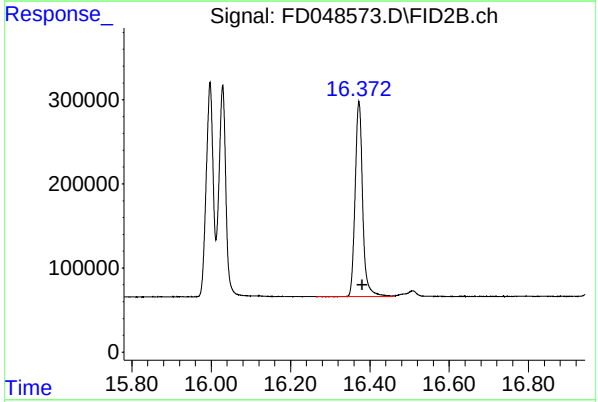
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3076351
Conc: 20.24 ug/ml



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

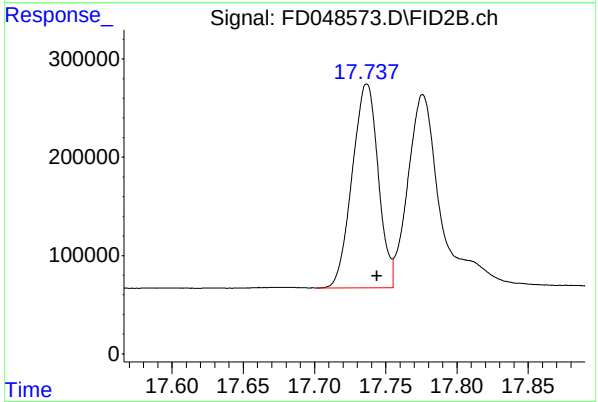
R.T.: 16.029 min
Delta R.T.: 0.000 min
Response: 3007230
Conc: 20.01 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



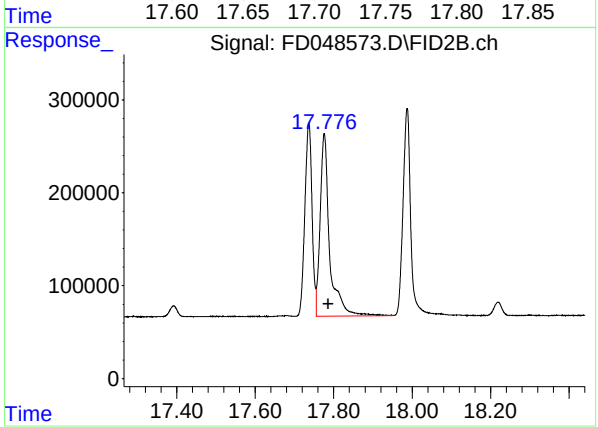
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: -0.008 min
Response: 3055729
Conc: 20.30 ug/ml



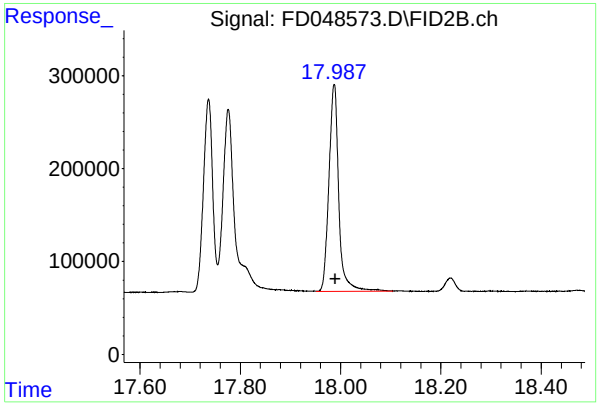
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: -0.007 min
Response: 2639364
Conc: 20.23 ug/ml



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

R.T.: 17.776 min
Delta R.T.: -0.011 min
Response: 3309486
Conc: 20.34 ug/ml



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

R.T.: 17.987 min
Delta R.T.: -0.003 mi
Response: 3030209
Conc: 19.79 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
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 102324.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	4.195	4.161	4.288	BB	411534	3511974	96.77%	5.226%
2	5.713	5.674	5.868	BB	387327	3621999	99.80%	5.390%
3	6.760	6.714	6.881	BV	365701	3629138	100.00%	5.400%
4	7.372	7.161	7.461	BB	308815	3035391	83.64%	4.517%
5	8.025	7.978	8.154	BB	351890	3549708	97.81%	5.282%
6	8.222	8.168	8.290	BV	187045	2009011	55.36%	2.989%
7	8.319	8.290	8.424	VB	365720	3566386	98.27%	5.307%
8	9.098	9.064	9.241	PB	328779	3449130	95.04%	5.132%
9	10.485	10.384	10.531	BV	326000	3337748	91.97%	4.967%
10	10.560	10.531	10.741	VB	271677	3166872	87.26%	4.712%
11	11.258	11.214	11.344	BB	324343	3418196	94.19%	5.086%
12	12.288	12.247	12.444	PB	286640	3304952	91.07%	4.918%
13	12.581	12.534	12.633	BV	297215	3231023	89.03%	4.808%
14	14.450	14.417	14.470	VV	260406	2986450	82.29%	4.444%
15	14.492	14.470	14.621	VB	257062	3268283	90.06%	4.863%
16	15.997	15.961	16.012	BV	254462	3076351	84.77%	4.578%
17	16.029	16.012	16.102	VV	249107	3007230	82.86%	4.475%
18	16.372	16.264	16.458	BV	231238	3055729	84.20%	4.547%
19	17.737	17.701	17.755	BV	208961	2639364	72.73%	3.927%
20	17.776	17.755	17.951	VV	196335	3309486	91.19%	4.924%
21	17.987	17.951	18.104	VV	224512	3030209	83.50%	4.509%
			Sum of corrected areas:			67204630		

Aromatic EPH 102324.M Wed Oct 23 18:51:40 2024

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

Inital Calibration Report for SequenceID : FE100824AL

AreaCount

Parameter Range	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.D	
Aliphatic C9-C12	40745791.000	21072572.000	8517410.000	4337343.000	2274924.000	
Aliphatic C12-C16	27735737.000	14244783.000	5792628.000	2930237.000	1531373.000	
Aliphatic C16-C21	40974621.000	21203318.000	8666410.000	4379658.000	2304599.000	
Aliphatic C21-C28	52777882.000	27581000.000	11356069.000	5708818.000	3125067.000	
Aliphatic C28-C40	72232829.000	38094965.000	16699677.000	8422068.000	4938401.000	
Aliphatic EPH	234466860.000	122196638.000	51032194.000	25778124.000	14174364.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	142899.9299998	4.087				
Aliphatic C12-C16	145118.273	3.694				
Aliphatic C16-C21	144401.2446664	4.356				
Aliphatic C21-C28	142154.8735	6.306				
Aliphatic C28-C40	138303.281333	12.24				
Aliphatic EPH	141698.847333	7.212				

Concentration

Parameter Range	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.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	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.D	
Aliphatic C9-C12	135819.303333	140483.813333	141956.833333	144578.100000	151661.600000	
Aliphatic C12-C16	138678.685000	142447.830000	144815.700000	146511.850000	153137.300000	
Aliphatic C16-C21	136582.070000	141355.453333	144440.166666	145988.600000	153639.933333	

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

Inital Calibration Report for SequenceID : FE100824AL

Aliphatic C21-C28	131944.705000	137905.000000	141950.862500	142720.450000	156253.350000	
Aliphatic C28-C40	120388.048333	126983.216666	139163.975000	140367.800000	164613.366666	
Aliphatic EPH	130259.366666	135774.042222	141756.094444	143211.800000	157492.933333	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
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

Integration File: autoint1.e
Quant Time: Oct 07 15:50:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:49:51 2024
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)	11.874	14935989	97.121 ug/ml
Spiked Amount	50.000		Recovery =	194.24%
12) S	1-chlorooctadecane (S...	13.307	11405346	97.767 ug/ml
Spiked Amount	50.000		Recovery =	195.53%
	Target Compounds			
1) T	n-Nonane (C9)	3.256	13375492	97.682 ug/ml
2) T	n-Decane (C10)	4.508	13622130	97.695 ug/ml
3) T	A~Naphthalene (C11.7)	6.217	14355926	100.128 ug/ml
4) T	n-Dodecane (C12)	6.676	13748169	97.991 ug/ml
5) T	A~2-methylnaphthalene...	7.315	13570374	100.663 ug/ml
6) T	n-Tetradecane (C14)	8.504	13662645	97.909 ug/ml
7) T	n-Hexadecane (C16)	10.111	14073092	97.764 ug/ml
8) T	n-Octadecane (C18)	11.554	14160630	97.396 ug/ml
10) T	n-Eicosane (C20)	12.861	13543211	97.115 ug/ml
11) T	n-Heneicosane (C21)	13.472	13270780	97.090 ug/ml
13) T	n-Docosane (C22)	14.058	13205478	96.773 ug/ml
14) T	n-Tetracosane (C24)	15.160	13226380	96.742 ug/ml
15) T	n-Hexacosane (C26)	16.179	13147754	96.576 ug/ml
16) T	n-Octacosane (C28)	17.129	13198270	95.311 ug/ml
17) T	n-Tricontane (C30)	18.016	13716170	92.688 ug/ml
18) T	n-Dotriacontane (C32)	18.847	13640074	91.715 ug/ml
19) T	n-Tetratriacontane (C34)	19.629	12565721	92.262 ug/ml
20) T	n-Hexatriacontane (C36)	20.368	11275380	94.013 ug/ml
21) T	n-Octatriacontane (C38)	21.094	10872225	93.405 ug/ml
22) T	n-Tetracontane (C40)	21.983	10163259	92.882 ug/ml

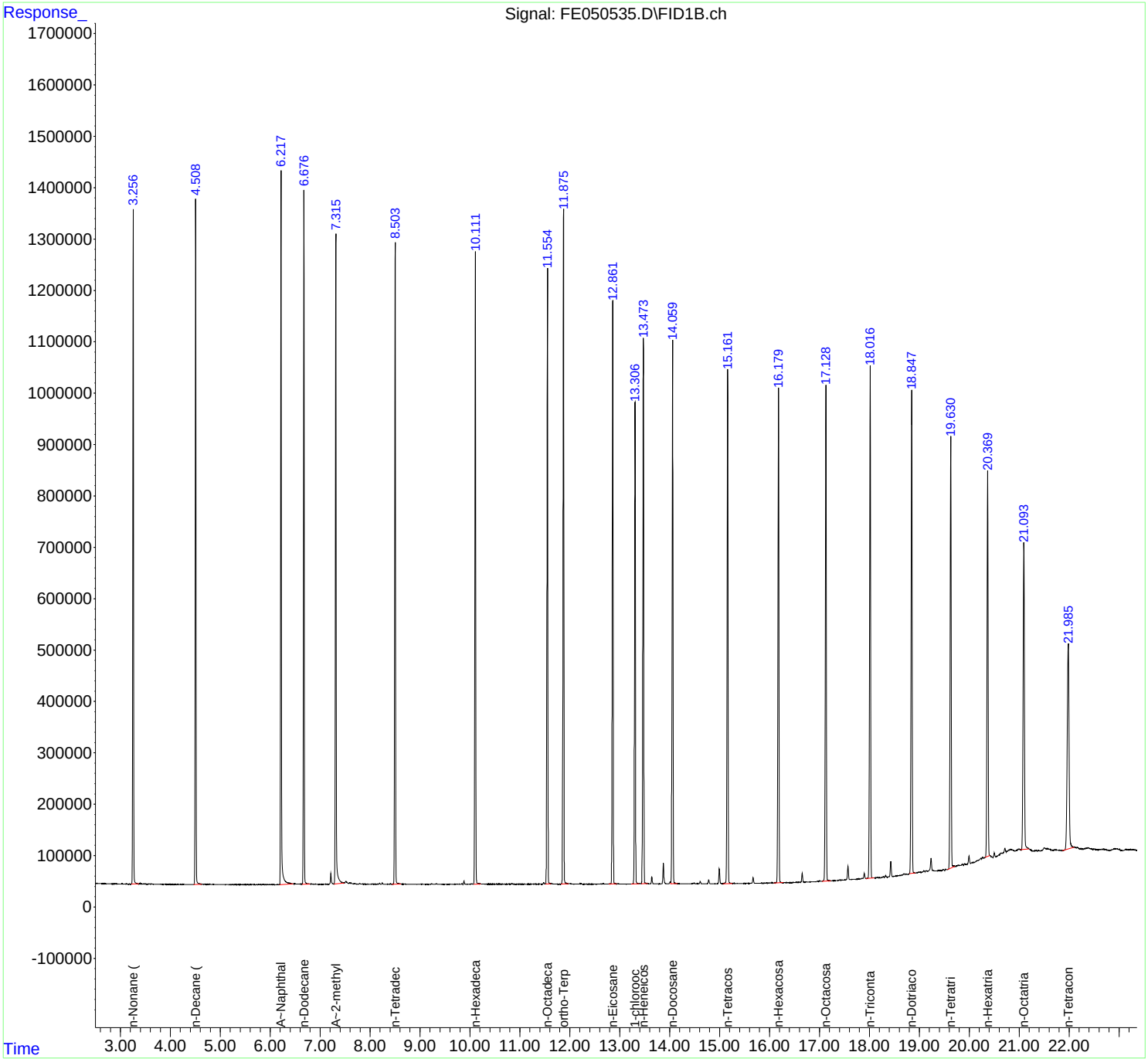
(f)=RT Delta > 1/2 Window (m)=manual int.

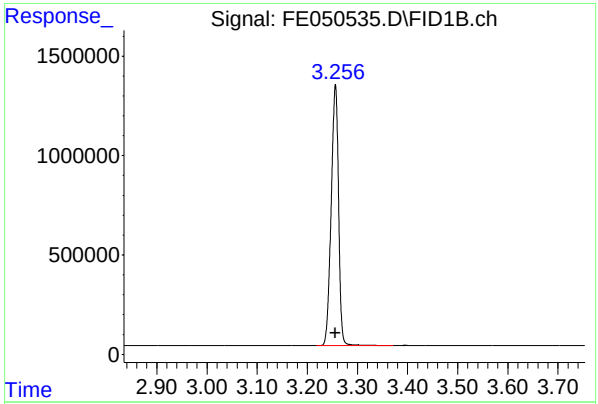
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 07 15:50:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:49:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

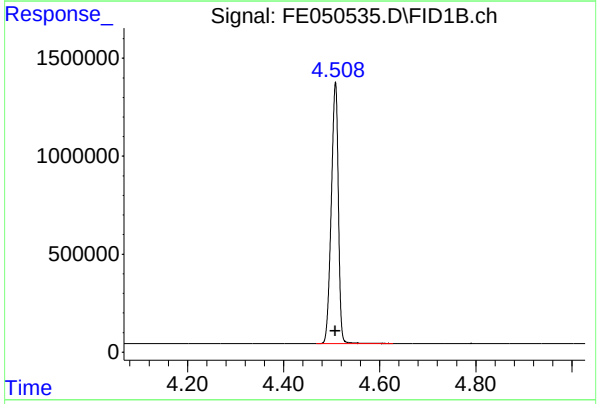




#1 n-Nonane (C9)

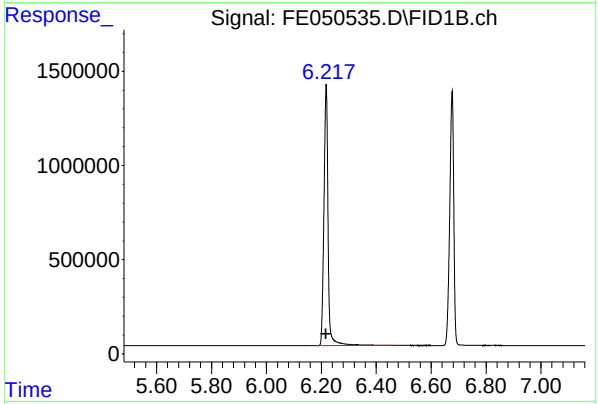
R.T.: 3.256 min
Delta R.T.: 0.000 min
Response: 13375492
Conc: 97.68 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



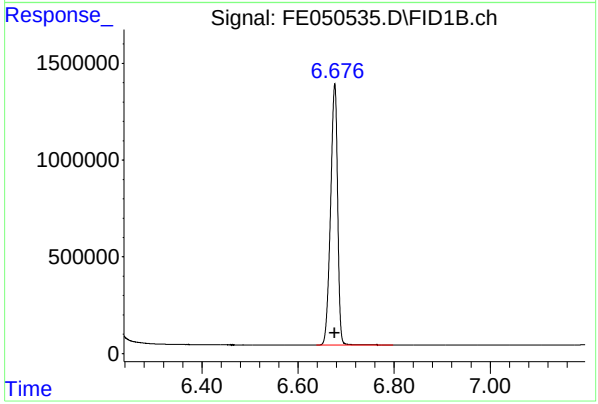
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 13622130
Conc: 97.70 ug/ml



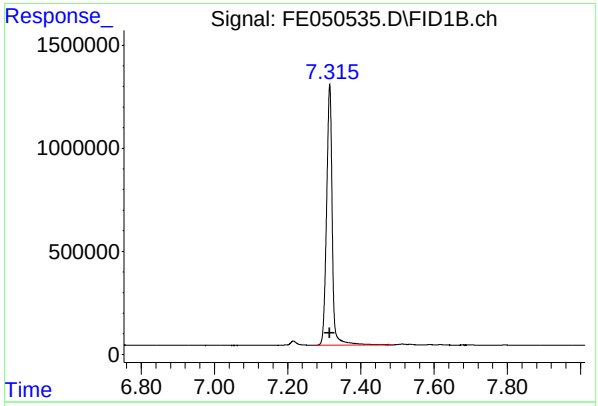
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.000 min
Response: 14355926
Conc: 100.13 ug/ml



#4 n-Dodecane (C12)

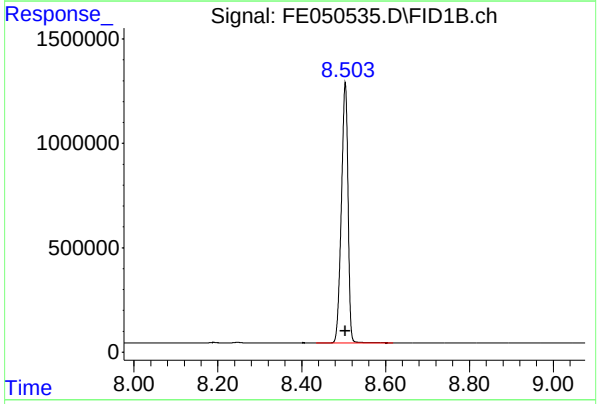
R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 13748169
Conc: 97.99 ug/ml



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

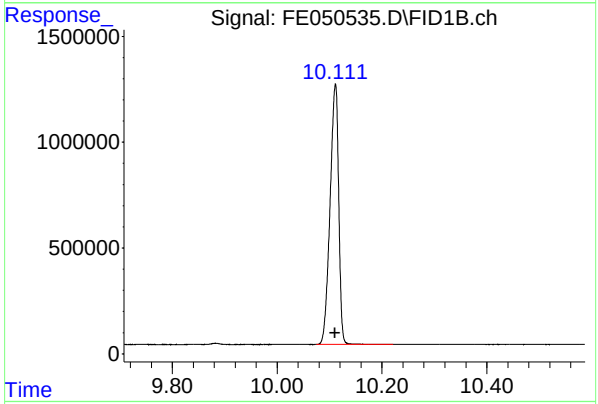
R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 13570374
Conc: 100.66 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



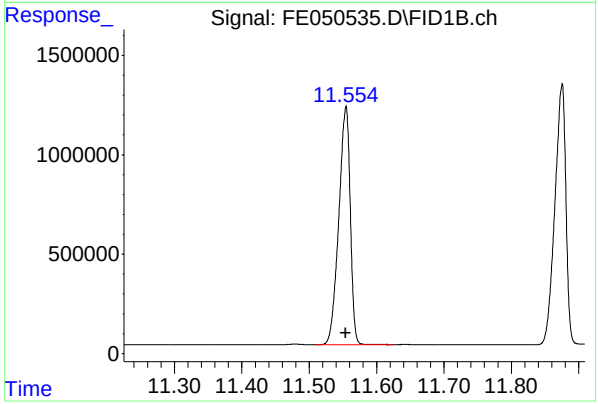
#6 n-Tetradecane (C14)

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 13662645
Conc: 97.91 ug/ml



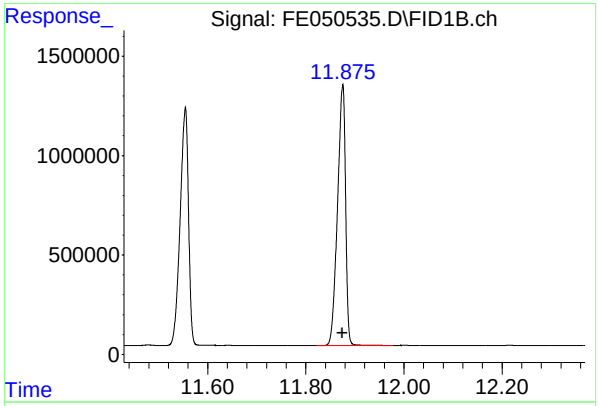
#7 n-Hexadecane (C16)

R.T.: 10.111 min
Delta R.T.: 0.000 min
Response: 14073092
Conc: 97.76 ug/ml



#8 n-Octadecane (C18)

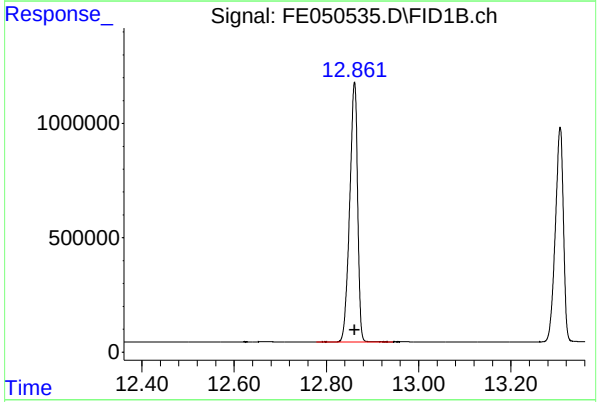
R.T.: 11.554 min
Delta R.T.: 0.000 min
Response: 14160630
Conc: 97.40 ug/ml



#9 ortho-Terphenyl (SURR)

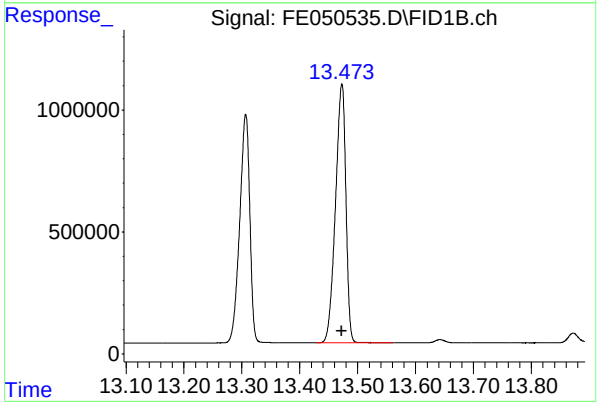
R.T.: 11.874 min
Delta R.T.: 0.000 min
Response: 14935989
Conc: 97.12 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



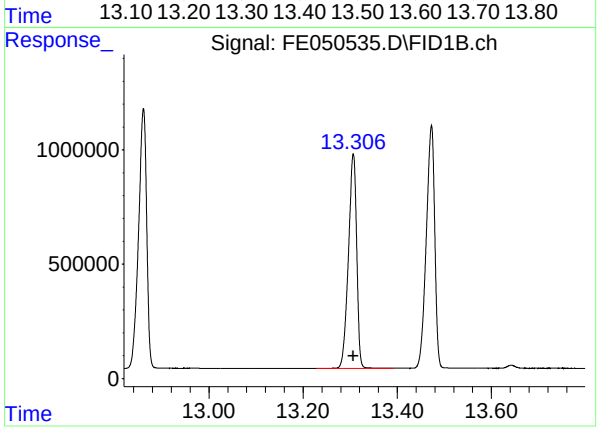
#10 n-Eicosane (C20)

R.T.: 12.861 min
Delta R.T.: 0.000 min
Response: 13543211
Conc: 97.12 ug/ml



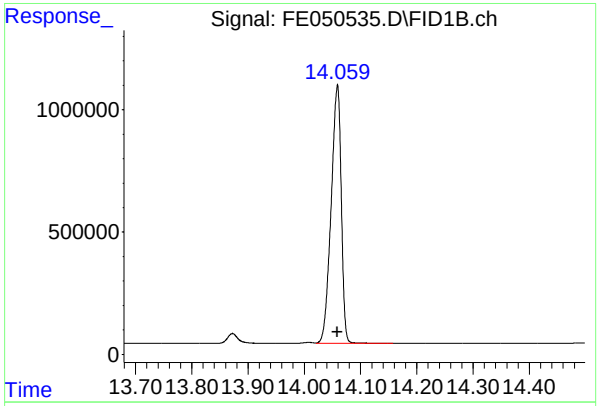
#11 n-Heneicosane (C21)

R.T.: 13.472 min
Delta R.T.: 0.000 min
Response: 13270780
Conc: 97.09 ug/ml



#12 1-chlorooctadecane (SURR)

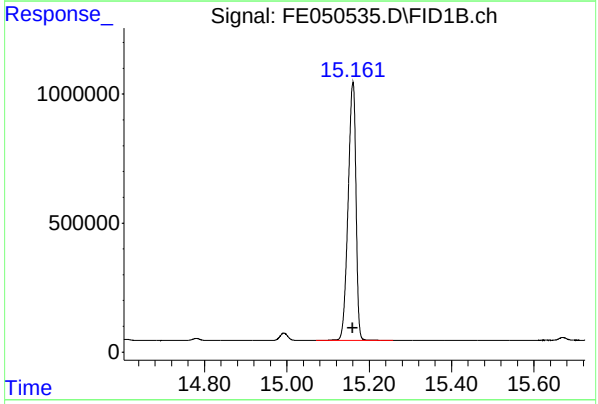
R.T.: 13.307 min
Delta R.T.: 0.000 min
Response: 11405346
Conc: 97.77 ug/ml



#13 n-Docosane (C22)

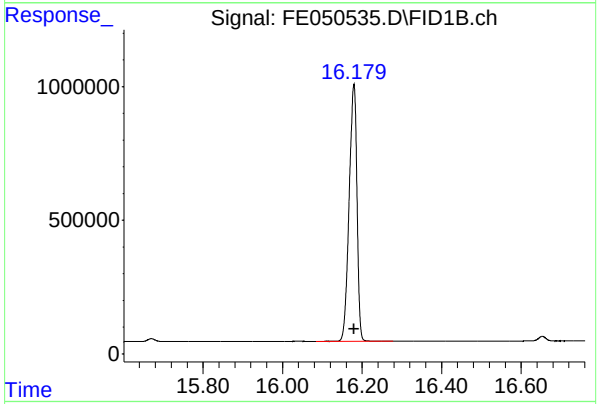
R.T.: 14.058 min
Delta R.T.: 0.000 min
Response: 13205478
Conc: 96.77 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



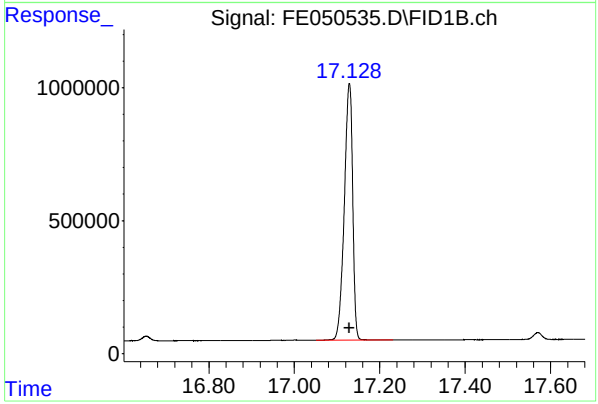
#14 n-Tetracosane (C24)

R.T.: 15.160 min
Delta R.T.: 0.000 min
Response: 13226380
Conc: 96.74 ug/ml



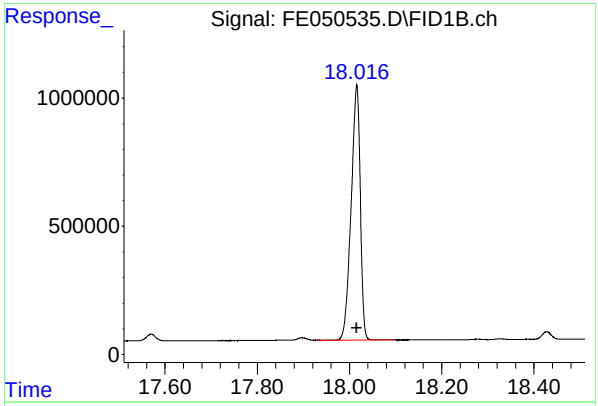
#15 n-Hexacosane (C26)

R.T.: 16.179 min
Delta R.T.: 0.000 min
Response: 13147754
Conc: 96.58 ug/ml



#16 n-Octacosane (C28)

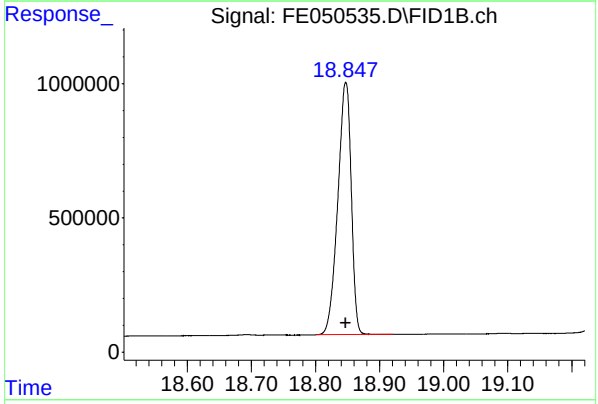
R.T.: 17.129 min
Delta R.T.: 0.000 min
Response: 13198270
Conc: 95.31 ug/ml



#17 n-Tricontane (C30)

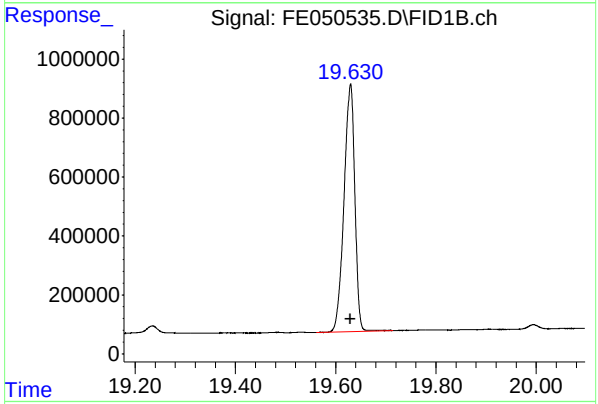
R.T.: 18.016 min
Delta R.T.: 0.000 min
Response: 13716170
Conc: 92.69 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



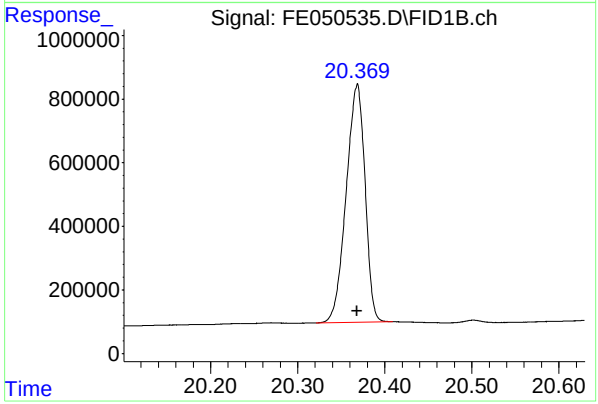
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: 0.000 min
Response: 13640074
Conc: 91.72 ug/ml



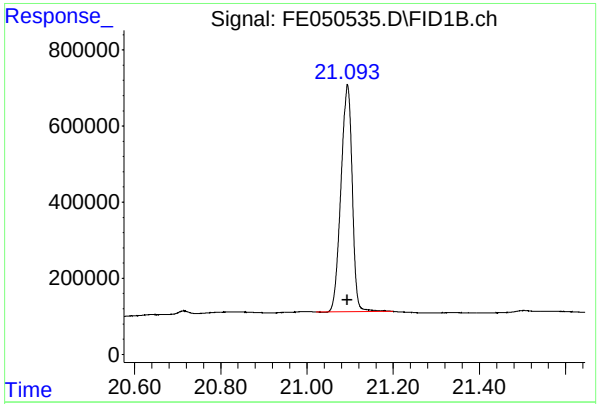
#19 n-Tetratriacontane (C34)

R.T.: 19.629 min
Delta R.T.: 0.000 min
Response: 12565721
Conc: 92.26 ug/ml



#20 n-Hexatriacontane (C36)

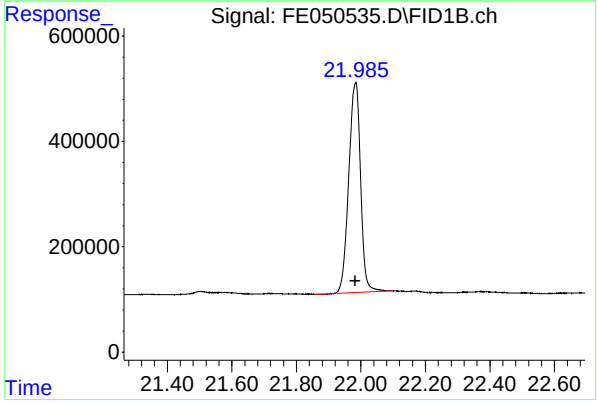
R.T.: 20.368 min
Delta R.T.: 0.000 min
Response: 11275380
Conc: 94.01 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: 0.000 min
Response: 10872225
Conc: 93.40 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.983 min
Delta R.T.: 0.000 min
Response: 10163259
Conc: 92.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
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 100824.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	3.256	3.218	3.371	BB	1324173	13375492	89.55%	4.632%
2	4.508	4.468	4.628	BB	1334655	13622130	91.20%	4.718%
3	6.217	6.181	6.461	BB	1389687	14355926	96.12%	4.972%
4	6.676	6.638	6.798	BB	1369652	13748169	92.05%	4.762%
5	7.315	7.278	7.488	PV	1264853	13570374	90.86%	4.700%
6	8.504	8.434	8.618	BB	1252011	13662645	91.47%	4.732%
7	10.111	10.074	10.221	BB	1234885	14073092	94.22%	4.874%
8	11.554	11.510	11.624	PV	1196443	14160630	94.81%	4.904%
9	11.874	11.821	11.978	BV	1305138	14935989	100.00%	5.173%
10	12.861	12.778	12.944	BB	1141004	13543211	90.68%	4.691%
11	13.307	13.228	13.391	BV	945279	11405346	76.36%	3.950%
12	13.472	13.428	13.561	PB	1054961	13270780	88.85%	4.596%
13	14.058	14.021	14.158	VB	1044935	13205478	88.41%	4.574%
14	15.160	15.071	15.258	BB	1007834	13226380	88.55%	4.581%
15	16.179	16.084	16.278	BB	960164	13147754	88.03%	4.554%
16	17.129	17.051	17.231	BB	966376	13198270	88.37%	4.571%
17	18.016	17.928	18.094	PB	987186	13716170	91.83%	4.750%
18	18.847	18.801	18.921	BB	942433	13640074	91.32%	4.724%
19	19.629	19.561	19.714	BB	849738	12565721	84.13%	4.352%
20	20.368	20.321	20.409	BBA	745438	11275380	75.49%	3.905%
21	21.094	21.021	21.199	BBA	598100	10872225	72.79%	3.765%
22	21.983	21.861	22.099	BBA	399118	10163259	68.05%	3.520%
			Sum of corrected areas:			288734494		

Aliphatic EPH 100824.M Mon Oct 07 16:35:00 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
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: Oct 07 15:51:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:51:32 2024
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)	11.869	7668467	49.909 ug/ml
Spiked Amount	50.000		Recovery =	99.82%
12) S	1-chlorooctadecane (S...	13.302	5839164	50.036 ug/ml
Spiked Amount	50.000		Recovery =	100.07%
	Target Compounds			
1) T	n-Nonane (C9)	3.254	6949960	50.501 ug/ml
2) T	n-Decane (C10)	4.505	7054723	50.395 ug/ml
3) T	A~Naphthalene (C11.7)	6.215	7328645	50.738 ug/ml
4) T	n-Dodecane (C12)	6.673	7067889	50.251 ug/ml
5) T	A~2-methylnaphthalene...	7.311	6885410	50.712 ug/ml
6) T	n-Tetradecane (C14)	8.500	6999728	50.107 ug/ml
7) T	n-Hexadecane (C16)	10.106	7245055	50.220 ug/ml
8) T	n-Octadecane (C18)	11.549	7346700	50.352 ug/ml
10) T	n-Eicosane (C20)	12.857	7008593	50.171 ug/ml
11) T	n-Heneicosane (C21)	13.467	6848025	50.067 ug/ml
13) T	n-Docosane (C22)	14.053	6831662	50.043 ug/ml
14) T	n-Tetracosane (C24)	15.155	6893925	50.282 ug/ml
15) T	n-Hexacosane (C26)	16.174	6879086	50.352 ug/ml
16) T	n-Octacosane (C28)	17.123	6976327	50.252 ug/ml
17) T	n-Tricontane (C30)	18.011	7324087	49.661 ug/ml
18) T	n-Dotriacontane (C32)	18.842	7246744	49.144 ug/ml
19) T	n-Tetratriacontane (C34)	19.624	6582481	48.875 ug/ml
20) T	n-Hexatriacontane (C36)	20.364	5833635	49.085 ug/ml
21) T	n-Octatriacontane (C38)	21.090	5653192	49.036 ug/ml
22) T	n-Tetracontane (C40)	21.980	5454826	49.901 ug/ml

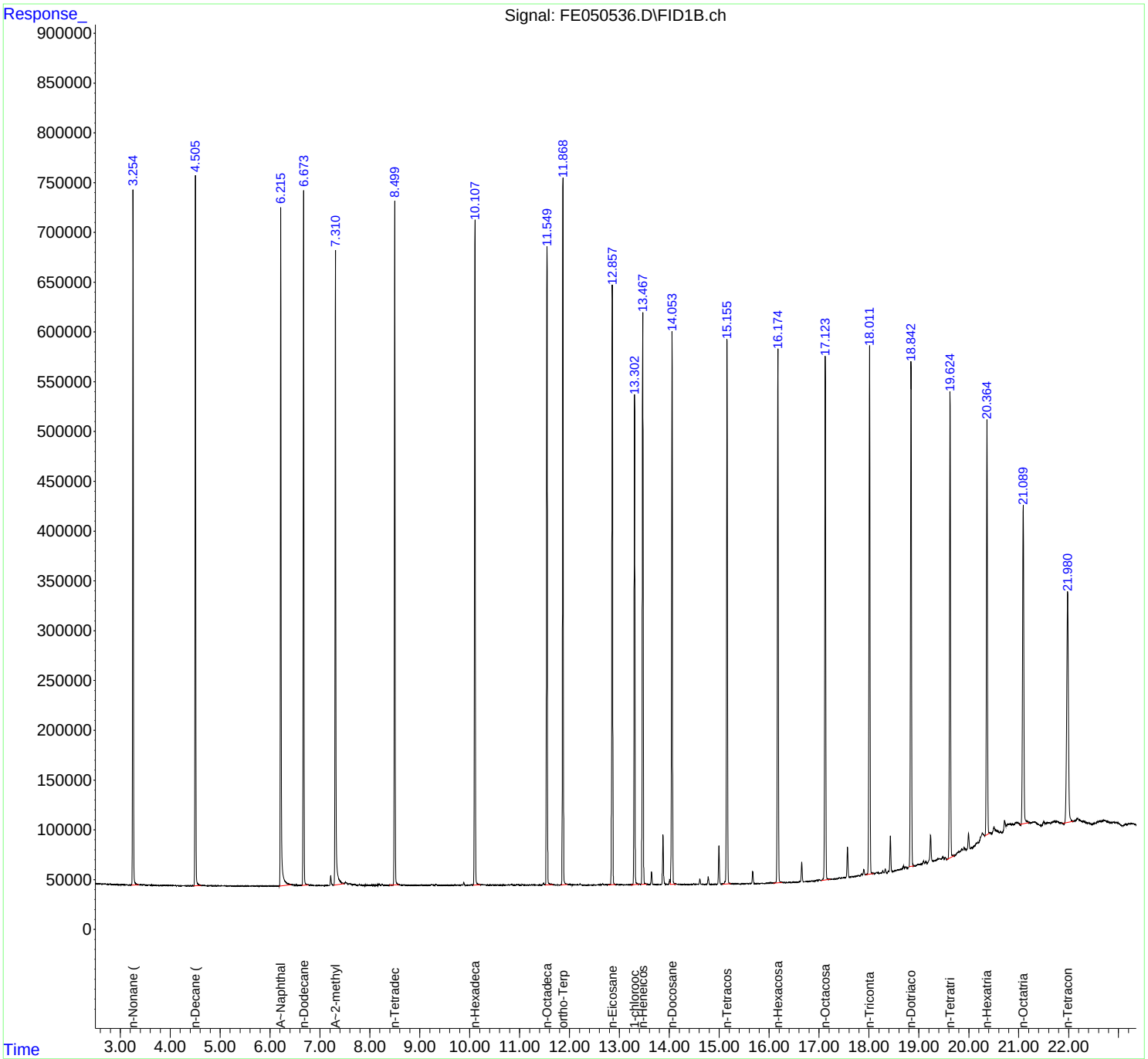
(f)=RT Delta > 1/2 Window (m)=manual int.

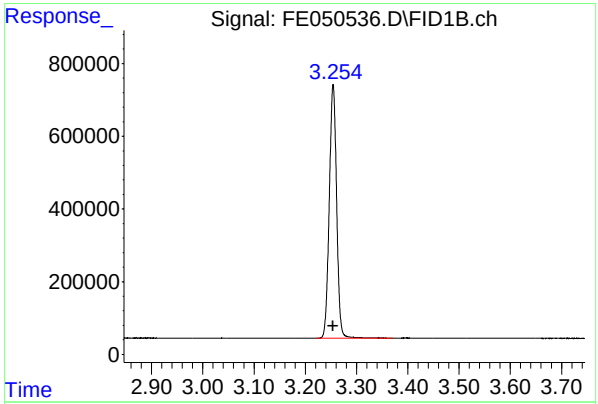
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 07 15:51:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:51:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

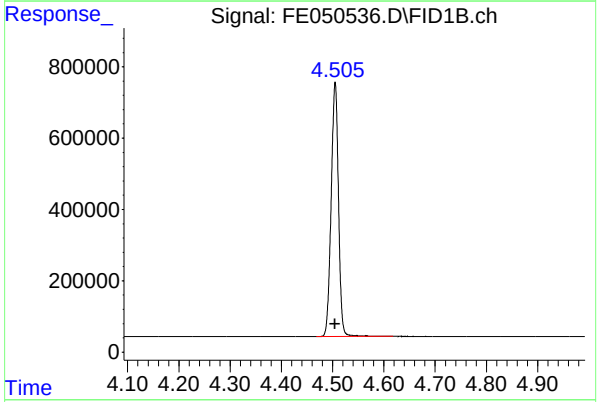




#1 n-Nonane (C9)

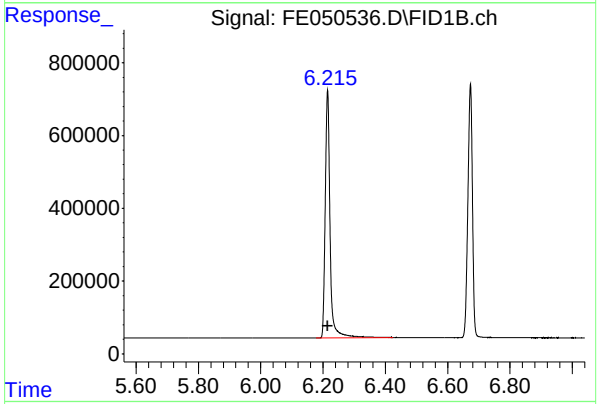
R.T.: 3.254 min
Delta R.T.: 0.000 min
Response: 6949960
Conc: 50.50 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



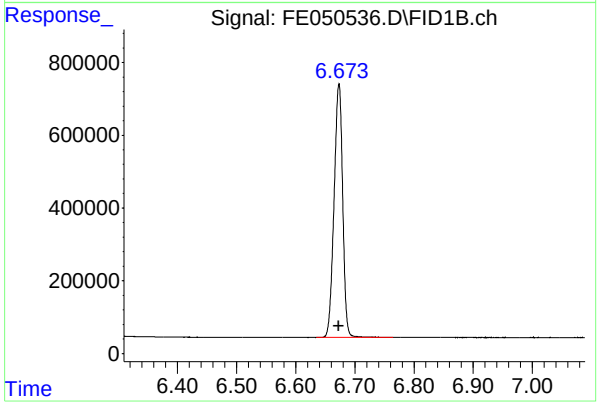
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: 0.000 min
Response: 7054723
Conc: 50.40 ug/ml



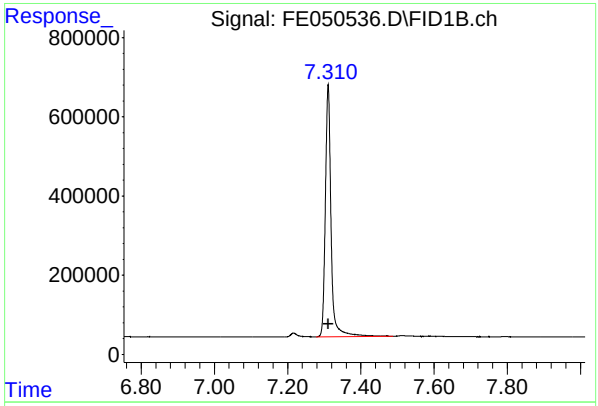
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 7328645
Conc: 50.74 ug/ml



#4 n-Dodecane (C12)

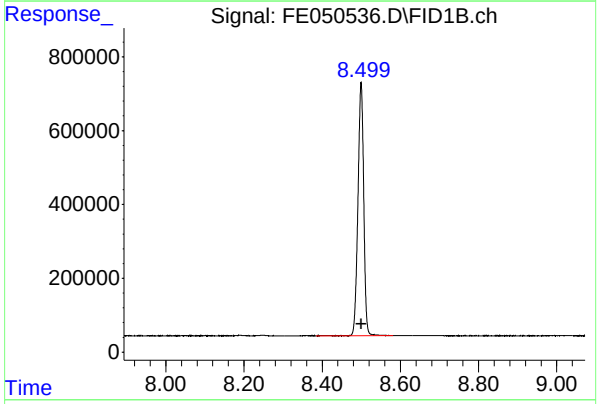
R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 7067889
Conc: 50.25 ug/ml



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

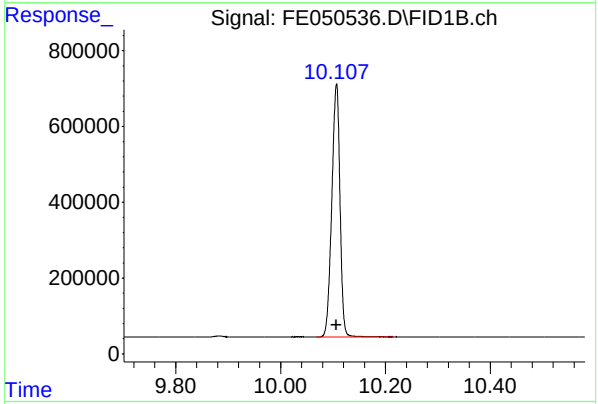
R.T.: 7.311 min
Delta R.T.: 0.000 min
Response: 6885410
Conc: 50.71 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



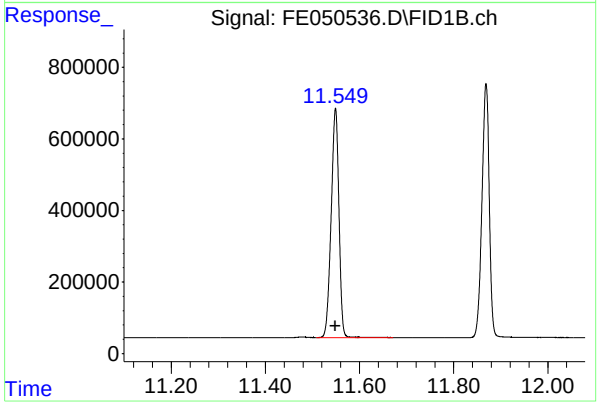
#6 n-Tetradecane (C14)

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 6999728
Conc: 50.11 ug/ml



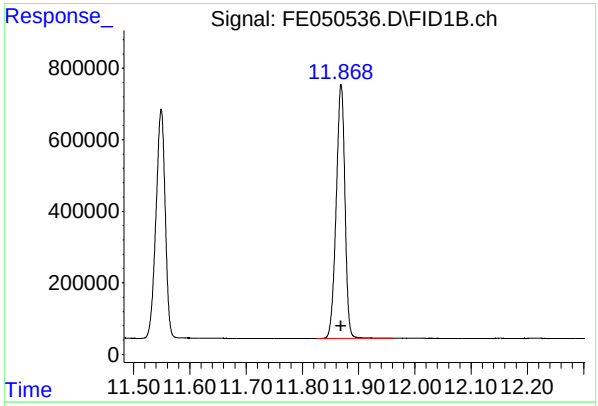
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: 0.000 min
Response: 7245055
Conc: 50.22 ug/ml



#8 n-Octadecane (C18)

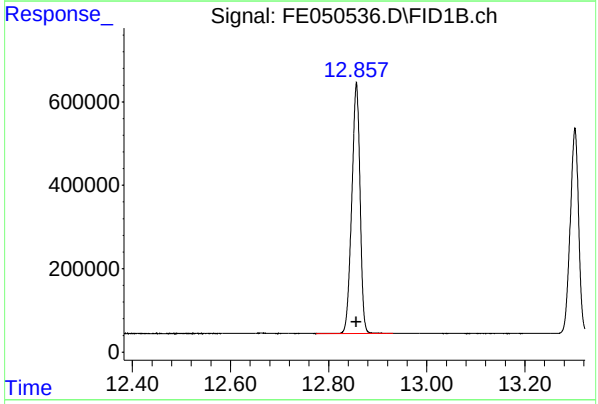
R.T.: 11.549 min
Delta R.T.: 0.000 min
Response: 7346700
Conc: 50.35 ug/ml



#9 ortho-Terphenyl (SURR)

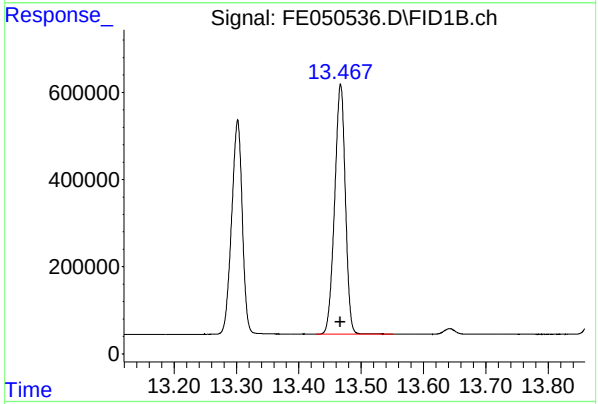
R.T.: 11.869 min
Delta R.T.: 0.000 min
Response: 7668467
Conc: 49.91 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



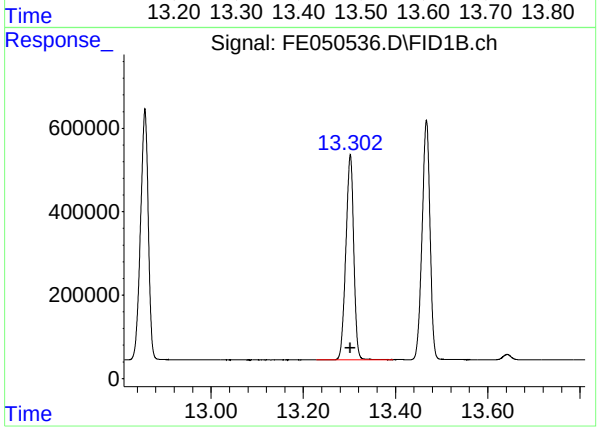
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: 0.000 min
Response: 7008593
Conc: 50.17 ug/ml



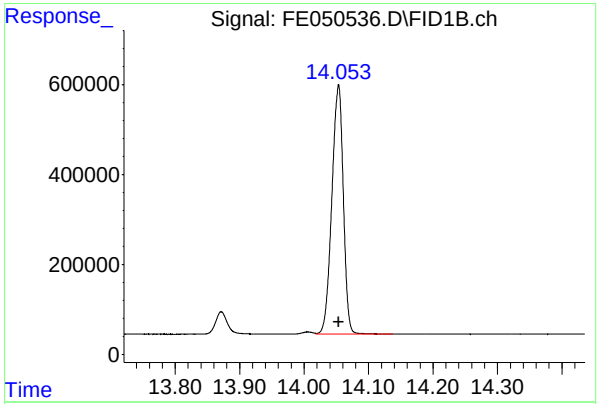
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: 0.000 min
Response: 6848025
Conc: 50.07 ug/ml



#12 1-chlorooctadecane (SURR)

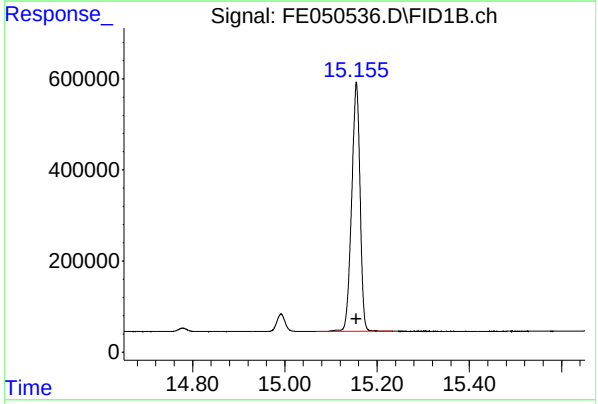
R.T.: 13.302 min
Delta R.T.: 0.000 min
Response: 5839164
Conc: 50.04 ug/ml



#13 n-Docosane (C22)

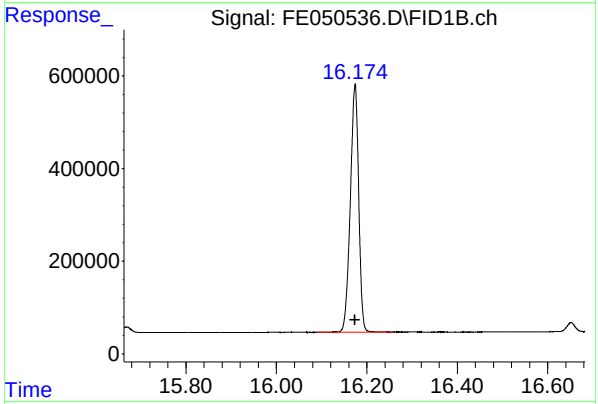
R.T.: 14.053 min
Delta R.T.: 0.000 min
Response: 6831662
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



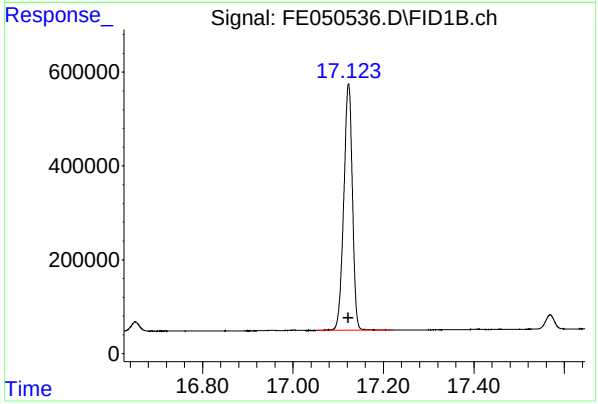
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 6893925
Conc: 50.28 ug/ml



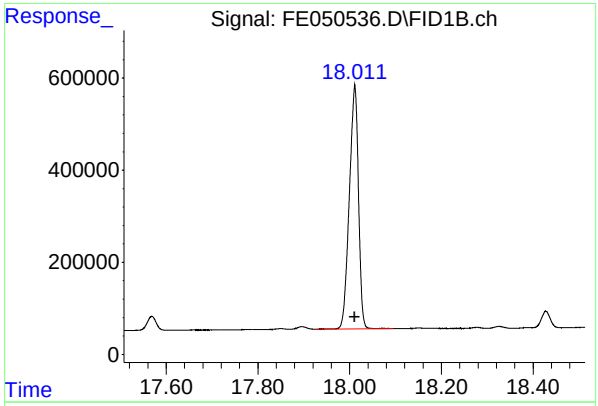
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: 0.000 min
Response: 6879086
Conc: 50.35 ug/ml



#16 n-Octacosane (C28)

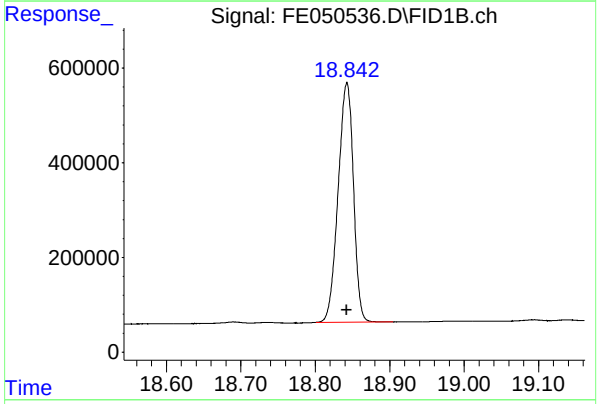
R.T.: 17.123 min
Delta R.T.: 0.000 min
Response: 6976327
Conc: 50.25 ug/ml



#17 n-Tricontane (C30)

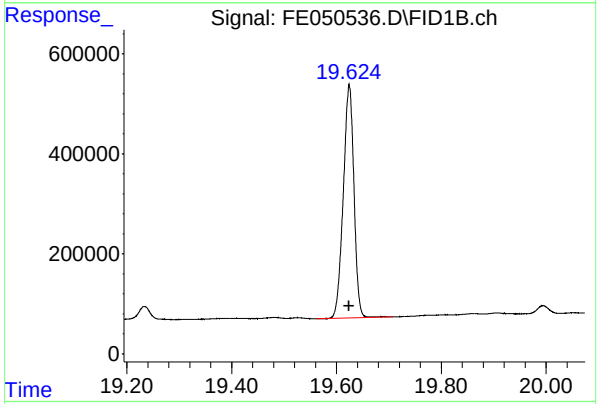
R.T.: 18.011 min
Delta R.T.: 0.000 min
Response: 7324087
Conc: 49.66 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



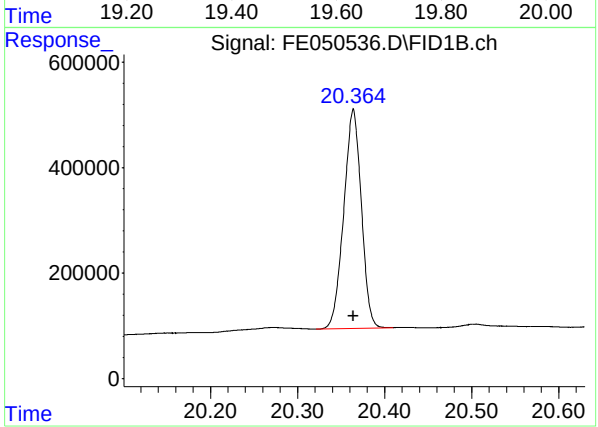
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: 0.000 min
Response: 7246744
Conc: 49.14 ug/ml



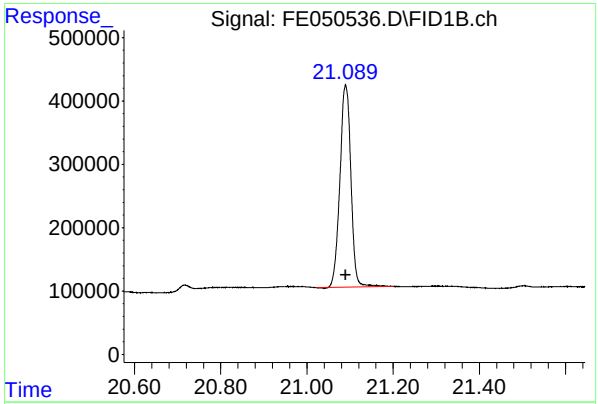
#19 n-Tetratriacontane (C34)

R.T.: 19.624 min
Delta R.T.: 0.000 min
Response: 6582481
Conc: 48.87 ug/ml



#20 n-Hexatriacontane (C36)

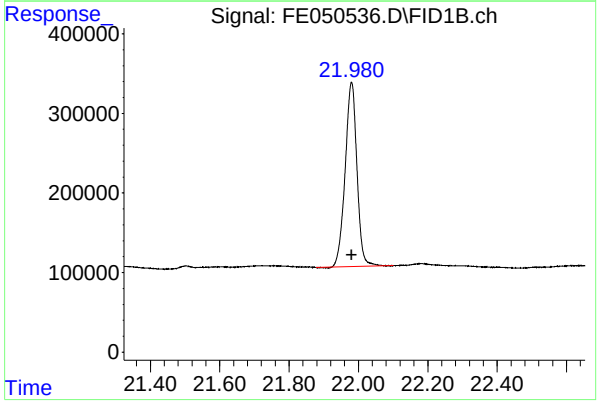
R.T.: 20.364 min
Delta R.T.: 0.000 min
Response: 5833635
Conc: 49.09 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.090 min
Delta R.T.: 0.000 min
Response: 5653192
Conc: 49.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.980 min
Delta R.T.: 0.000 min
Response: 5454826
Conc: 49.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
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 100824.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	3.254	3.221	3.371	BB	696678	6949960	90.63%	4.636%
2	4.505	4.468	4.618	BB	709894	7054723	92.00%	4.706%
3	6.215	6.178	6.424	BB	680238	7328645	95.57%	4.888%
4	6.673	6.634	6.764	BB	704403	7067889	92.17%	4.714%
5	7.311	7.278	7.488	PV	637269	6885410	89.79%	4.593%
6	8.500	8.384	8.581	BB	683389	6999728	91.28%	4.669%
7	10.106	10.068	10.214	BB	676338	7245055	94.48%	4.833%
8	11.549	11.508	11.671	VB	636950	7346700	95.80%	4.900%
9	11.869	11.824	11.961	BB	709474	7668467	100.00%	5.115%
10	12.857	12.774	12.931	BB	601442	7008593	91.39%	4.675%
11	13.302	13.228	13.394	BB	488293	5839164	76.15%	3.895%
12	13.467	13.428	13.551	BB	574970	6848025	89.30%	4.568%
13	14.053	14.018	14.138	VB	559199	6831662	89.09%	4.557%
14	15.155	15.068	15.234	BB	545336	6893925	89.90%	4.598%
15	16.174	16.088	16.258	BB	536276	6879086	89.71%	4.589%
16	17.123	17.051	17.221	BB	528256	6976327	90.97%	4.653%
17	18.011	17.927	18.094	PB	529796	7324087	95.51%	4.885%
18	18.842	18.801	18.904	BB	503954	7246744	94.50%	4.834%
19	19.624	19.561	19.708	BB	466127	6582481	85.84%	4.391%
20	20.364	20.321	20.409	BBA	415446	5833635	76.07%	3.891%
21	21.090	21.021	21.199	BBA	318153	5653192	73.72%	3.771%
22	21.980	21.878	22.099	BBA	231697	5454826	71.13%	3.639%

Sum of corrected areas: 149918324

Aliphatic EPH 100824.M Mon Oct 07 16:35:43 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
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: Oct 07 15:48:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:48:28 2024
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)	11.865	3164300	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	13.300	2385261	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.252	2802051	20.000 ug/ml
2) T	n-Decane (C10)	4.503	2852963	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	6.214	2863853	20.000 ug/ml
4) T	n-Dodecane (C12)	6.671	2862396	20.000 ug/ml
5) T	A~2-methylnaphthalene...	7.310	2678310	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.498	2849272	20.000 ug/ml
7) T	n-Hexadecane (C16)	10.103	2943356	20.000 ug/ml
8) T	n-Octadecane (C18)	11.546	2983567	20.000 ug/ml
10) T	n-Eicosane (C20)	12.853	2869562	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.465	2813281	20.000 ug/ml
13) T	n-Docosane (C22)	14.050	2817220	20.000 ug/ml
14) T	n-Tetracosane (C24)	15.151	2823423	20.000 ug/ml
15) T	n-Hexacosane (C26)	16.171	2816031	20.000 ug/ml
16) T	n-Octacosane (C28)	17.120	2899395	20.000 ug/ml
17) T	n-Tricontane (C30)	18.007	3176058	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.840	3220879	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.621	2934710	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	20.361	2542299	20.000 ug/ml
21) T	n-Octatriacontane (C38)	21.086	2481528	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.974	2344203	20.000 ug/ml

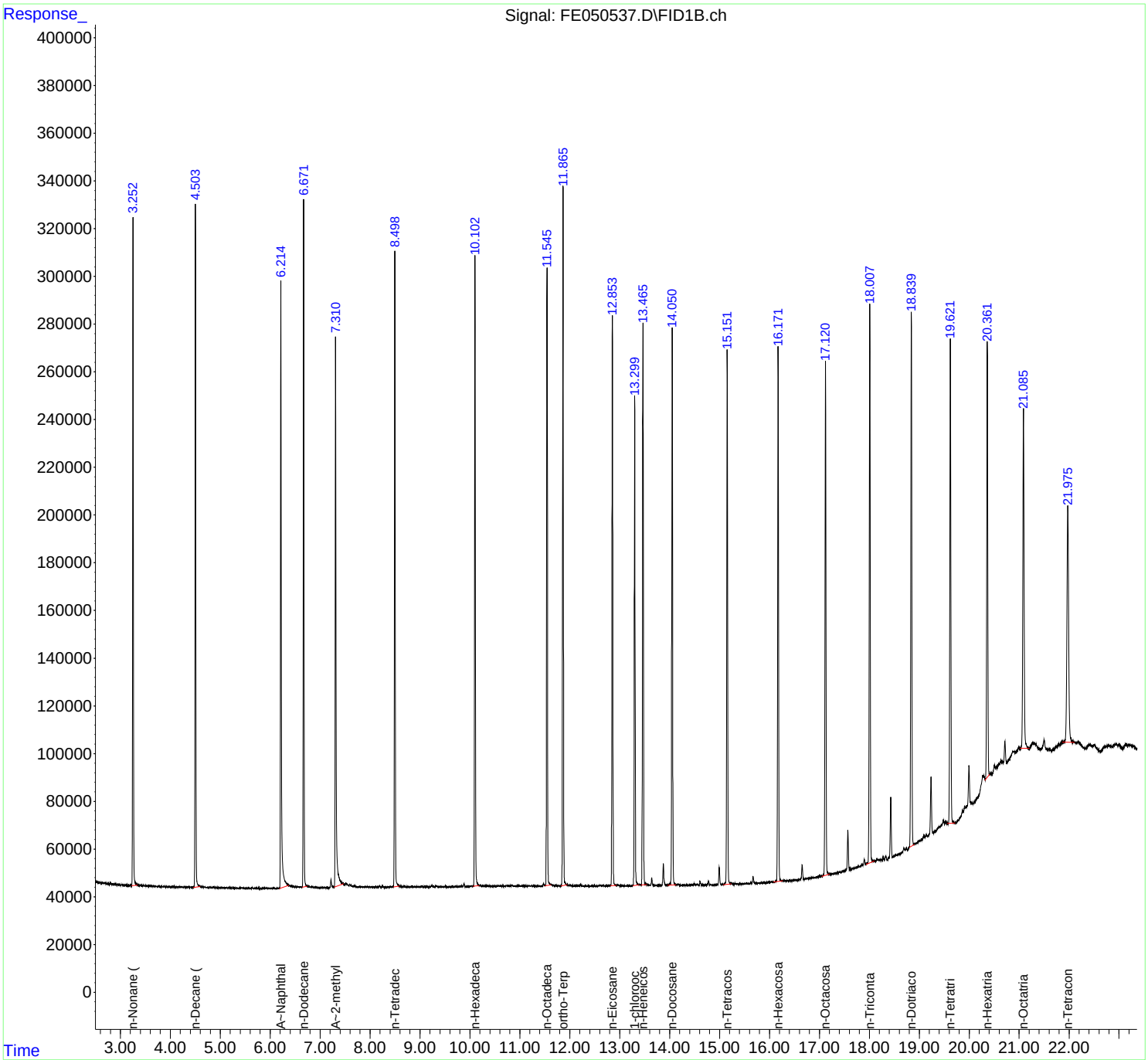
(f)=RT Delta > 1/2 Window (m)=manual int.

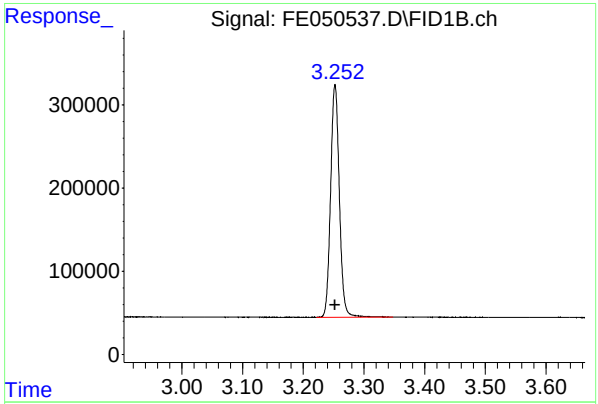
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 07 15:48:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:48:28 2024
Response via : Initial Calibration
Integrator: ChemStation

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

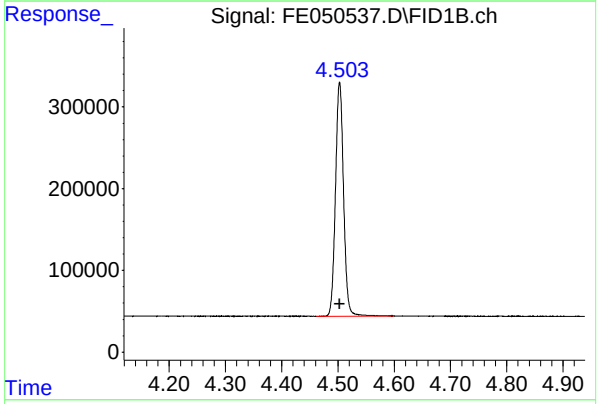




#1 n-Nonane (C9)

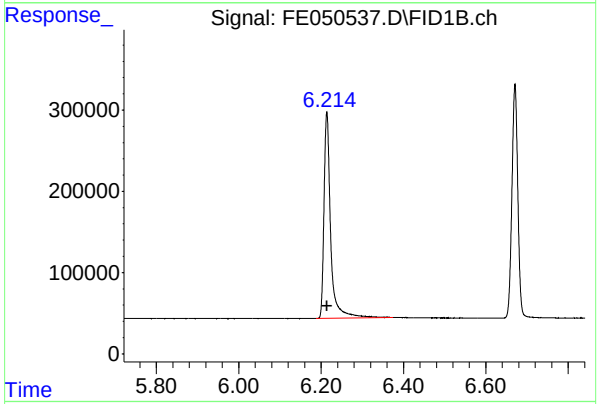
R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 2802051
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



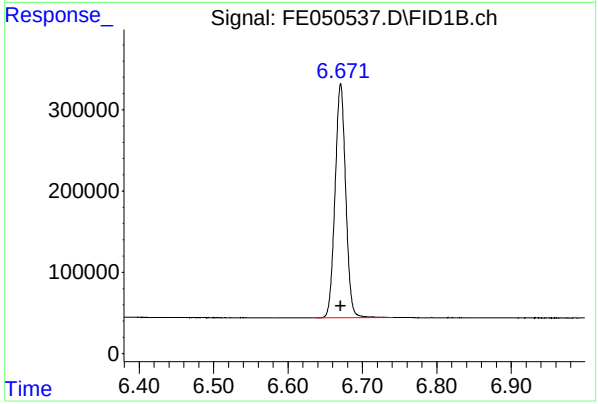
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 2852963
Conc: 20.00 ug/ml



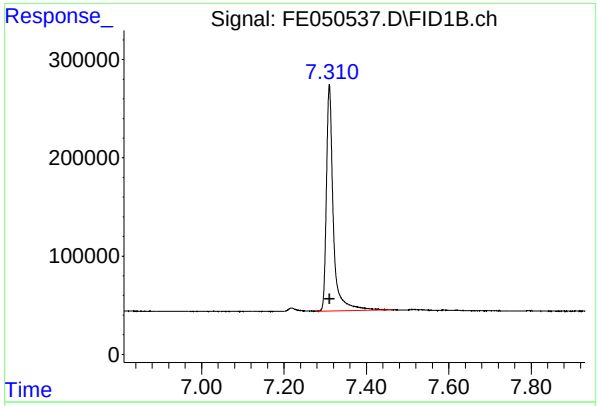
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 2863853
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

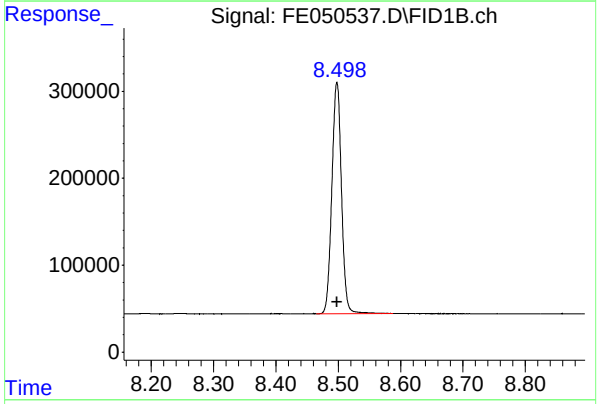
R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 2862396
Conc: 20.00 ug/ml



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

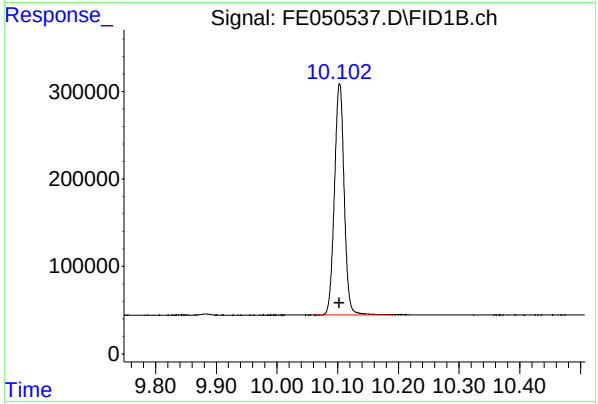
R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 2678310
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



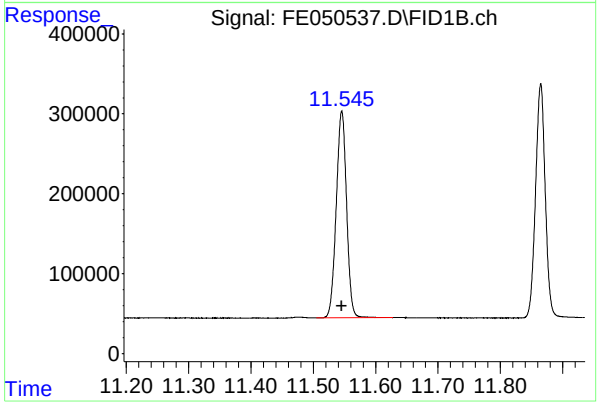
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: 0.000 min
Response: 2849272
Conc: 20.00 ug/ml



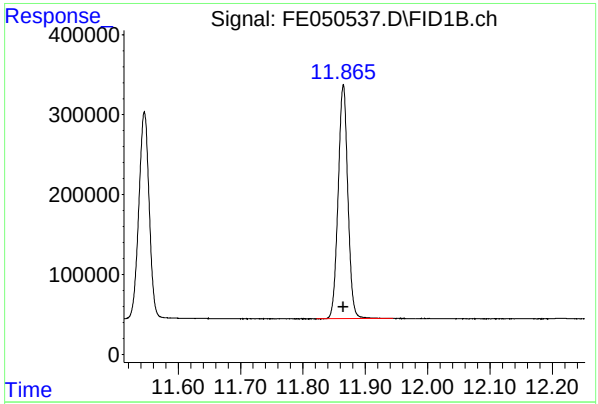
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 2943356
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

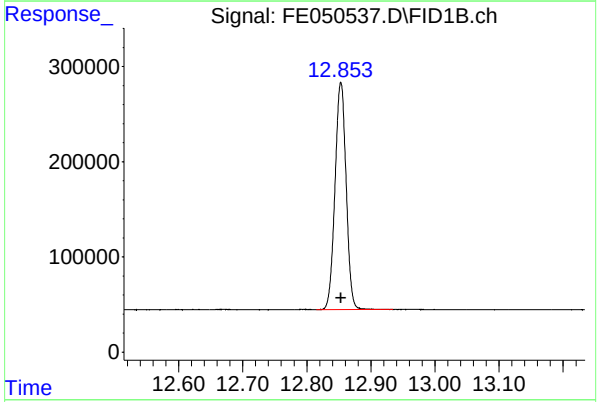
R.T.: 11.546 min
Delta R.T.: 0.000 min
Response: 2983567
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

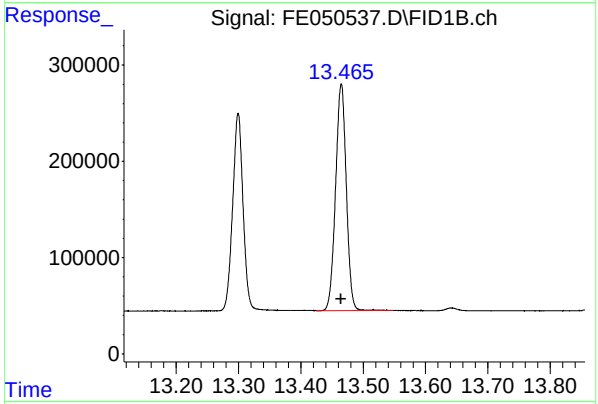
R.T.: 11.865 min
Delta R.T.: 0.000 min
Response: 3164300
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



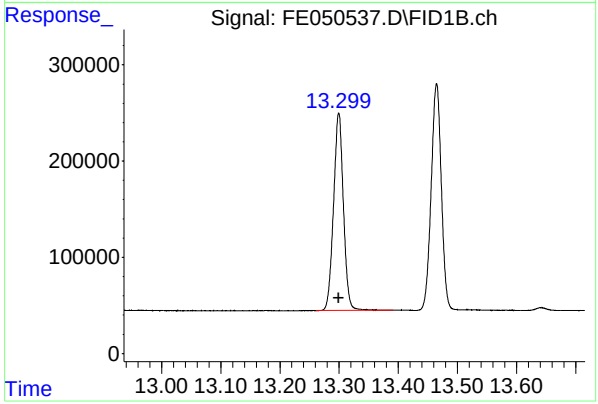
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: 0.000 min
Response: 2869562
Conc: 20.00 ug/ml



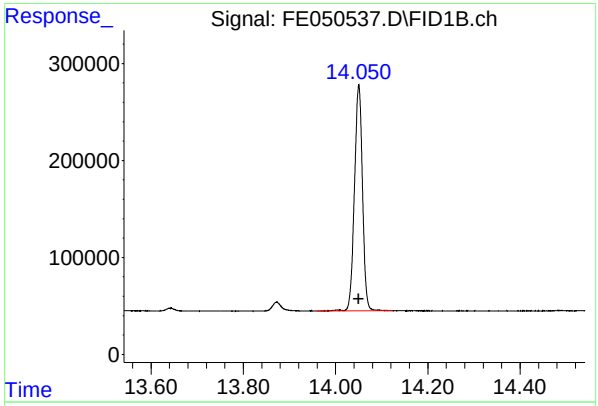
#11 n-Heneicosane (C21)

R.T.: 13.465 min
Delta R.T.: 0.000 min
Response: 2813281
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

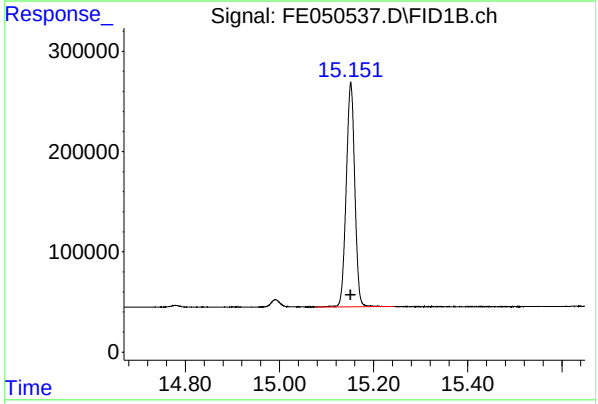
R.T.: 13.300 min
Delta R.T.: 0.000 min
Response: 2385261
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

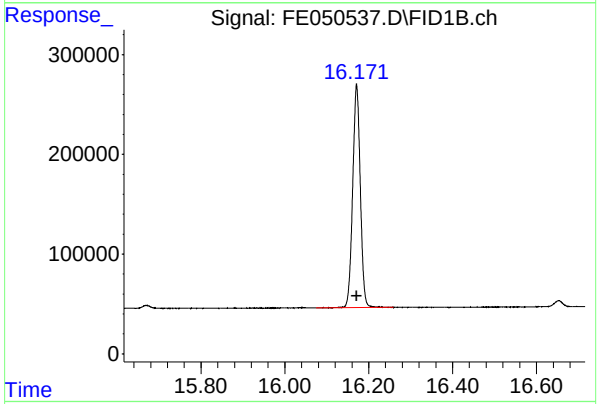
R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 2817220
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



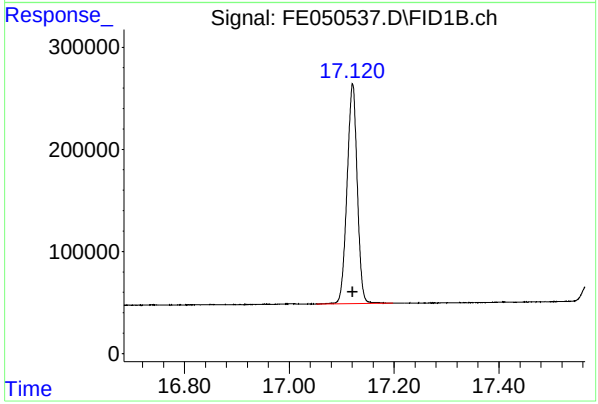
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: 0.000 min
Response: 2823423
Conc: 20.00 ug/ml



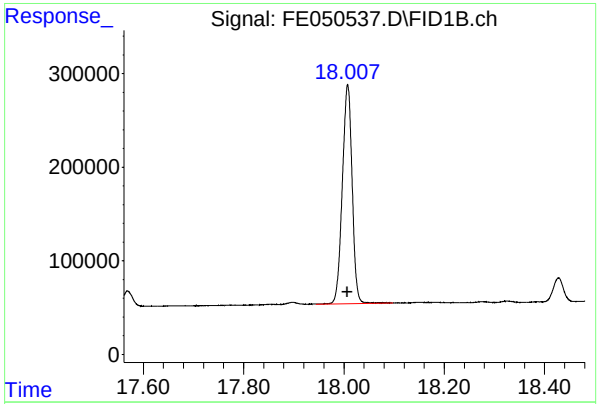
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: 0.000 min
Response: 2816031
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

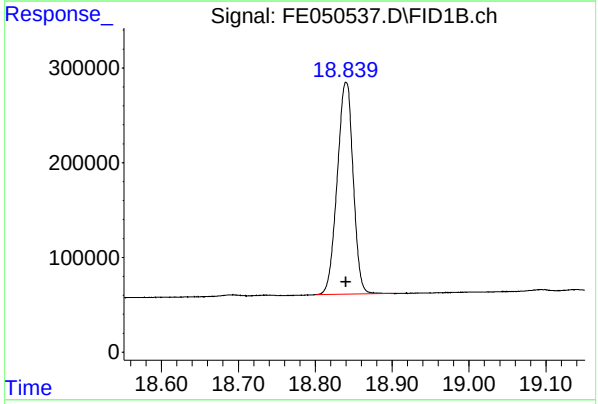
R.T.: 17.120 min
Delta R.T.: 0.000 min
Response: 2899395
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

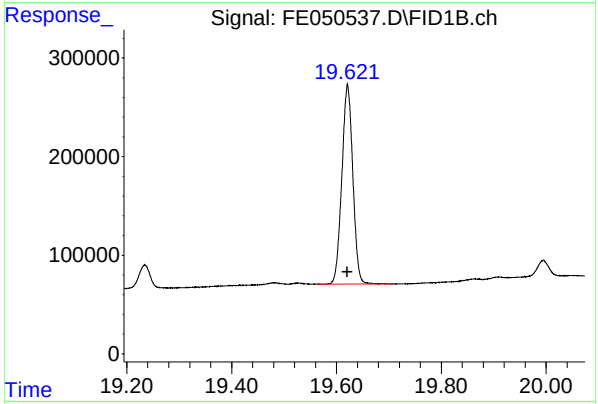
R.T.: 18.007 min
Delta R.T.: 0.000 min
Response: 3176058
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



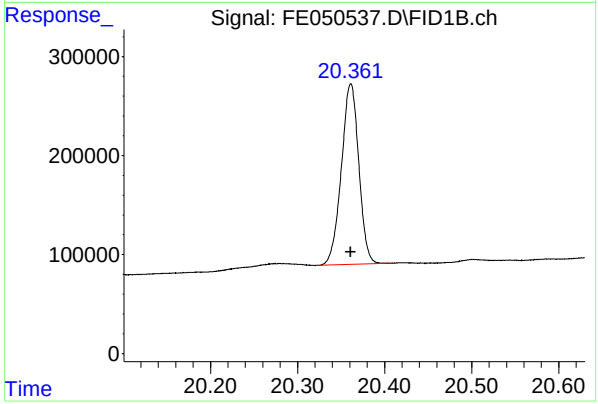
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: 0.000 min
Response: 3220879
Conc: 20.00 ug/ml



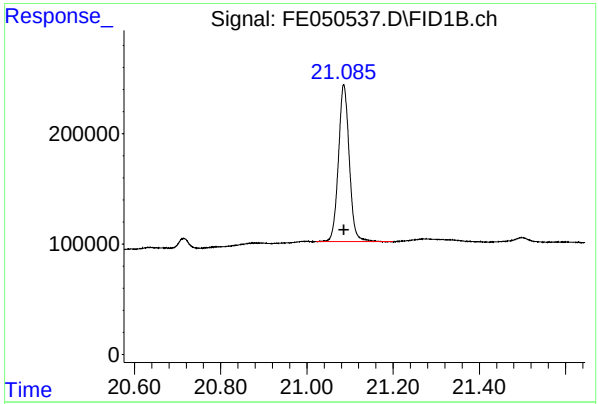
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: 0.000 min
Response: 2934710
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

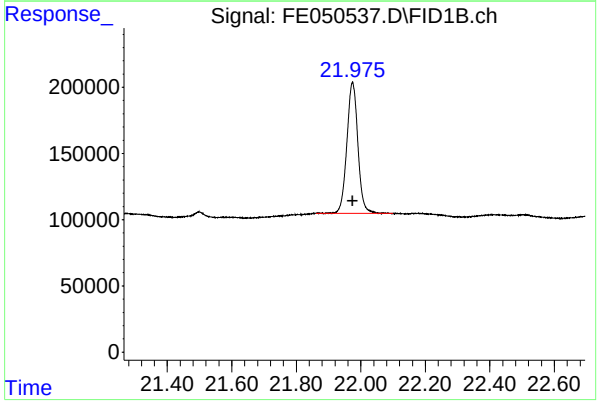
R.T.: 20.361 min
Delta R.T.: 0.000 min
Response: 2542299
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: 0.000 min
Response: 2481528
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.974 min
Delta R.T.: 0.000 min
Response: 2344203
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
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 100824.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	3.252	3.221	3.348	BB	278890	2802051	87.00%	4.510%
2	4.503	4.461	4.598	BB	285202	2852963	88.58%	4.592%
3	6.214	6.188	6.374	BB	253669	2863853	88.92%	4.610%
4	6.671	6.638	6.741	BB	287721	2862396	88.87%	4.608%
5	7.310	7.278	7.464	BB	228423	2678310	83.15%	4.311%
6	8.498	8.464	8.588	BB	266356	2849272	88.46%	4.586%
7	10.103	10.064	10.191	BB	266110	2943356	91.38%	4.738%
8	11.546	11.504	11.628	BB	258038	2983567	92.63%	4.803%
9	11.865	11.821	11.944	BB	292339	3164300	98.24%	5.094%
10	12.853	12.814	12.934	BB	239829	2869562	89.09%	4.619%
11	13.300	13.261	13.391	BB	206276	2385261	74.06%	3.840%
12	13.465	13.424	13.548	BB	235274	2813281	87.35%	4.528%
13	14.050	13.958	14.124	BB	234213	2817220	87.47%	4.535%
14	15.151	15.078	15.241	BB	223761	2823423	87.66%	4.545%
15	16.171	16.074	16.258	BB	223622	2816031	87.43%	4.533%
16	17.120	17.051	17.198	BB	216983	2899395	90.02%	4.667%
17	18.007	17.944	18.098	BB	235301	3176058	98.61%	5.112%
18	18.840	18.801	18.901	BB	226230	3220879	100.00%	5.185%
19	19.621	19.561	19.708	BB	201438	2934710	91.12%	4.724%
20	20.361	20.321	20.409	BBA	182901	2542299	78.93%	4.092%
21	21.086	21.021	21.199	BBA	142625	2481528	77.05%	3.994%
22	21.974	21.861	22.099	BBA	99090	2344203	72.78%	3.773%
			Sum of corrected areas:			62123918		

Aliphatic EPH 100824.M Mon Oct 07 16:36:17 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
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 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Integration File: autoint1.e
Quant Time: Oct 07 16:03:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:03:08 2024
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)	11.864	1598249	10.299 ug/ml
Spiked Amount	50.000		Recovery =	20.60%
12) S	1-chlorooctadecane (S...	13.298	1184740	10.114 ug/ml
Spiked Amount	50.000		Recovery =	20.23%
	Target Compounds			
1) T	n-Nonane (C9)	3.253	1429353	10.287 ug/ml
2) T	n-Decane (C10)	4.503	1451977	10.277 ug/ml
3) T	A~Naphthalene (C11.7)	6.215	1409508	9.818 ug/ml
4) T	n-Dodecane (C12)	6.670	1456013	10.262 ug/ml
5) T	A~2-methylnaphthalene...	7.311	1303112	9.695 ug/ml
6) T	n-Tetradecane (C14)	8.497	1444120	10.251 ug/ml
7) T	n-Hexadecane (C16)	10.103	1486117	10.224 ug/ml
8) T	n-Octadecane (C18)	11.544	1509351	10.256 ug/ml
10) T	n-Eicosane (C20)	12.852	1447741	10.270 ug/ml
11) T	n-Heneicosane (C21)	13.463	1422566	10.297 ug/ml
13) T	n-Docosane (C22)	14.049	1407717	10.232 ug/ml
14) T	n-Tetracosane (C24)	15.149	1417214	10.250 ug/ml
15) T	n-Hexacosane (C26)	16.170	1413994	10.260 ug/ml
16) T	n-Octacosane (C28)	17.118	1469893	10.435 ug/ml
17) T	n-Tricontane (C30)	18.006	1614246	10.693 ug/ml
18) T	n-Dotriacontane (C32)	18.837	1666044	10.943 ug/ml
19) T	n-Tetratriacontane (C34)	19.621	1525013	10.961 ug/ml
20) T	n-Hexatriacontane (C36)	20.359	1301715	10.698 ug/ml
21) T	n-Octatriacontane (C38)	21.086	1173667	10.191 ug/mlm
22) T	n-Tetracontane (C40)	21.971	1141383	10.327 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

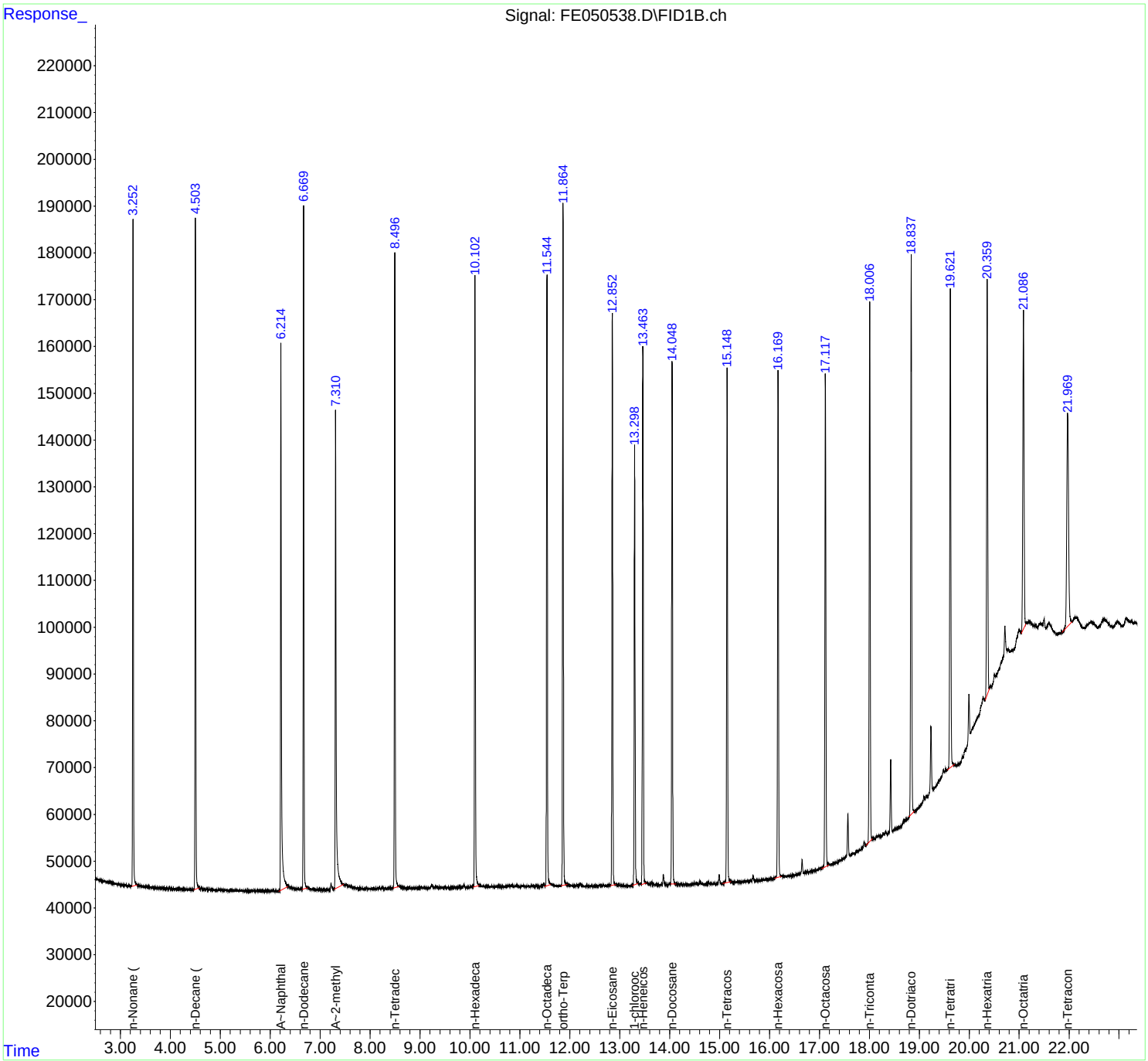
Integration File: autoint1.e
Quant Time: Oct 07 16:03:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:03:08 2024
Response via : Initial Calibration
Integrator: ChemStation

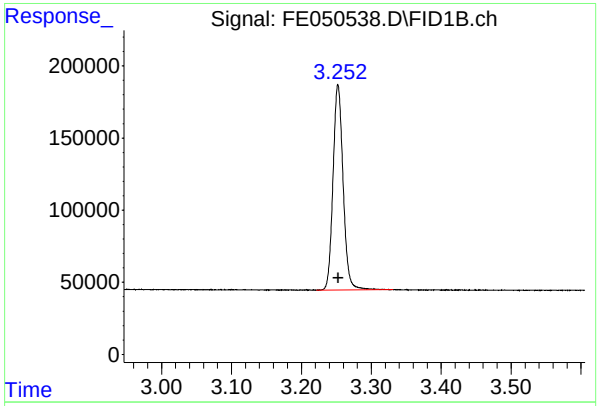
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024





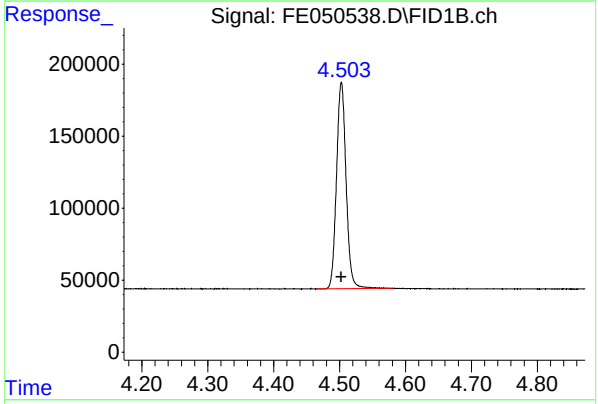
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: 0.000 min
Response: 1429353
Conc: 10.29 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

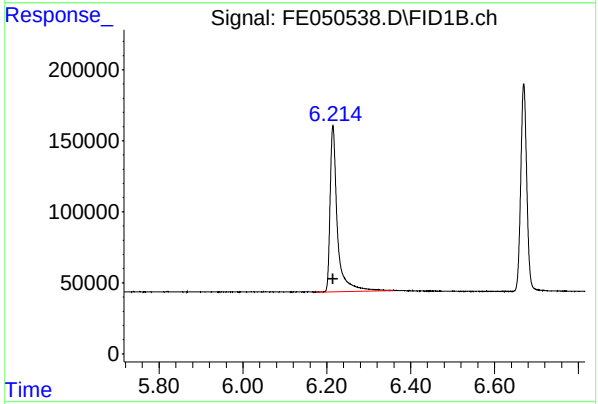
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



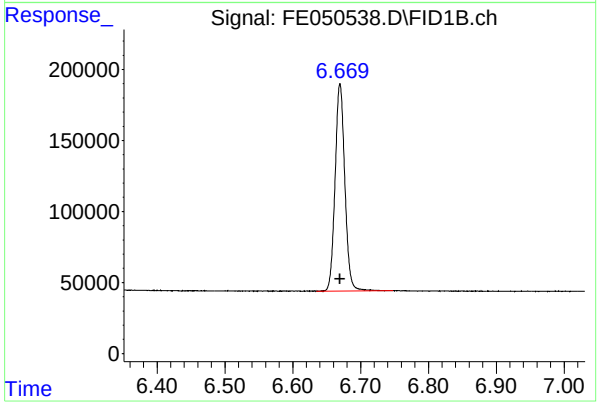
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 1451977
Conc: 10.28 ug/ml



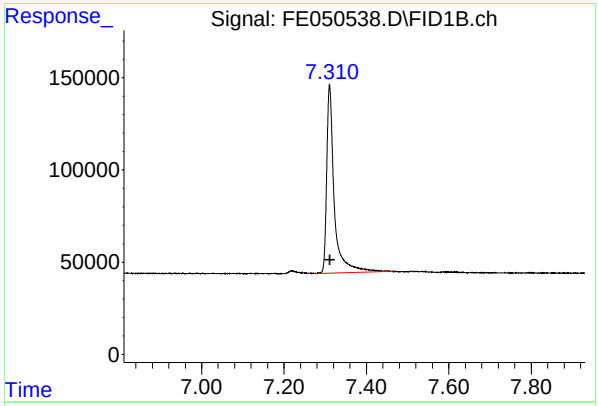
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 1409508
Conc: 9.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 1456013
Conc: 10.26 ug/ml



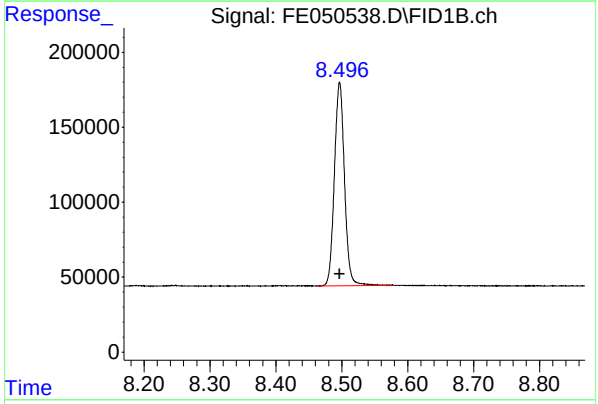
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: 0.000 min
Response: 1303112
Conc: 9.70 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

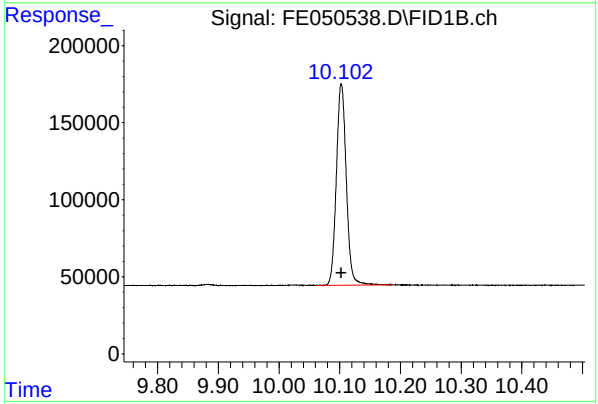
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



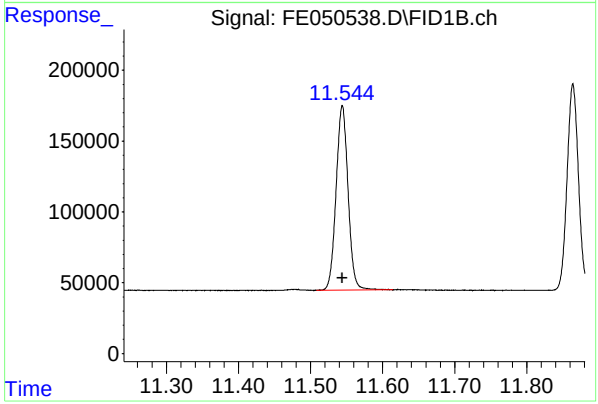
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 1444120
Conc: 10.25 ug/ml



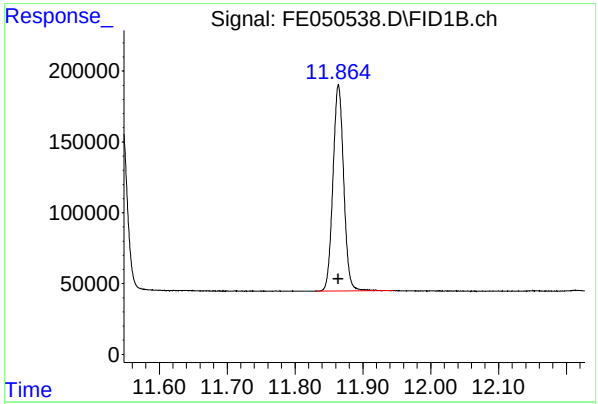
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 1486117
Conc: 10.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 1509351
Conc: 10.26 ug/ml



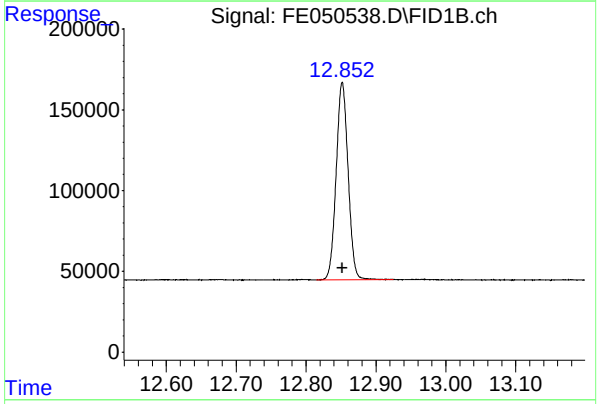
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: 0.000 min
Response: 1598249
Conc: 10.30 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

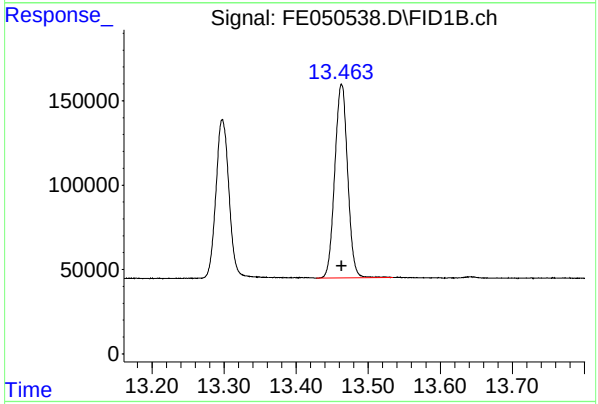
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



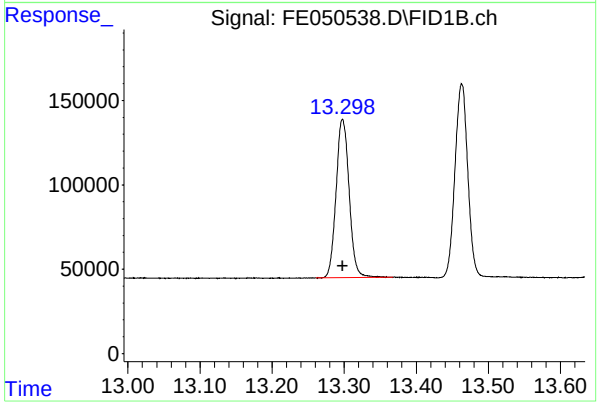
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 1447741
Conc: 10.27 ug/ml



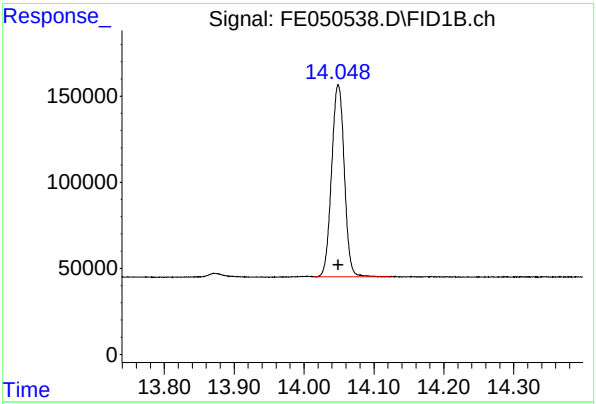
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 1422566
Conc: 10.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 1184740
Conc: 10.11 ug/ml



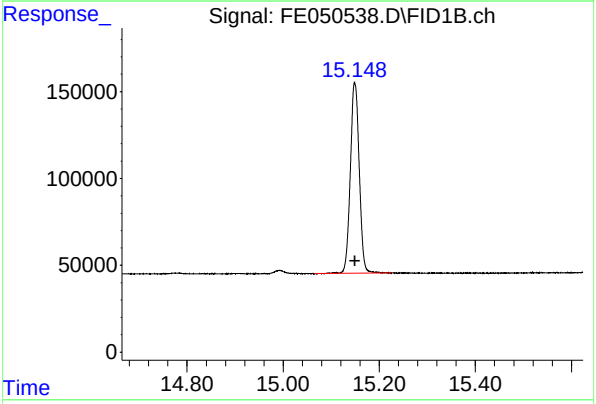
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: 0.000 min
Response: 1407717
Conc: 10.23 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

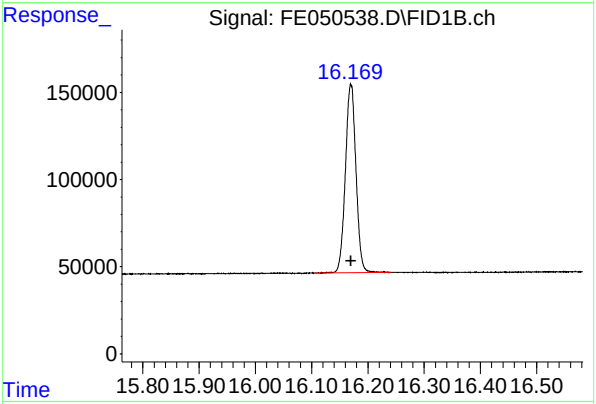
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



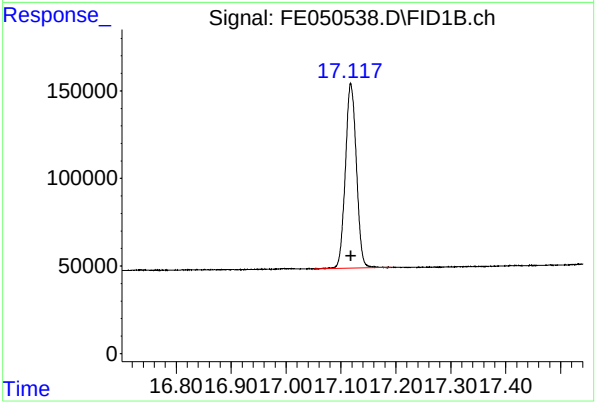
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: 0.000 min
Response: 1417214
Conc: 10.25 ug/ml



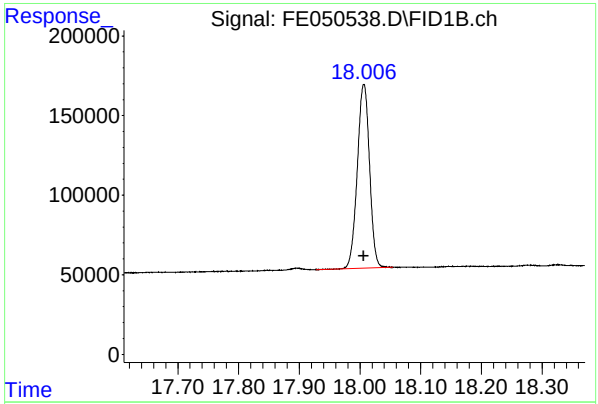
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 1413994
Conc: 10.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.118 min
Delta R.T.: 0.000 min
Response: 1469893
Conc: 10.43 ug/ml



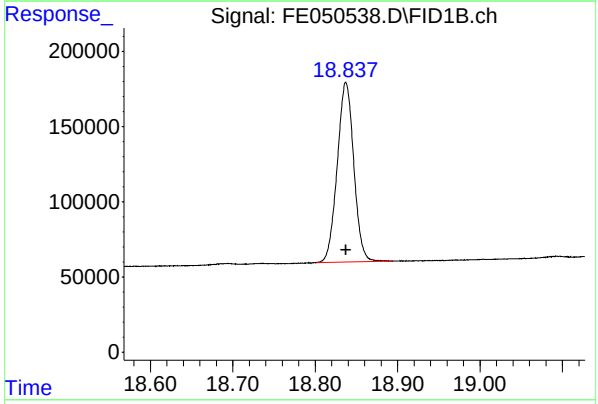
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: 0.000 min
Response: 1614246
Conc: 10.69 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

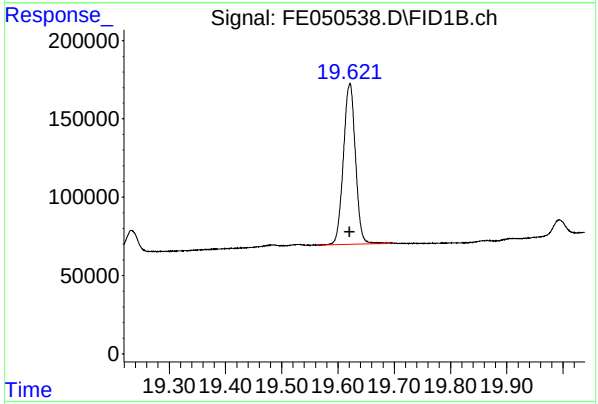
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



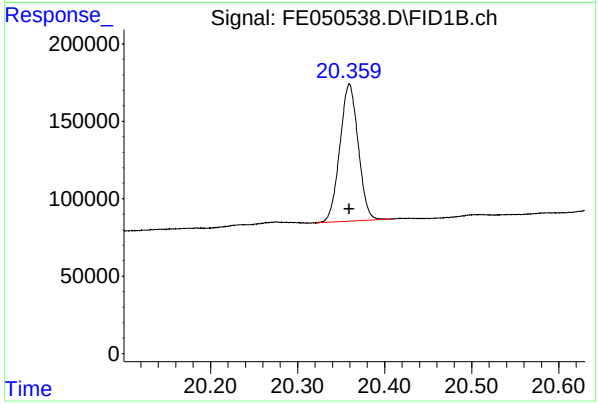
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 1666044
Conc: 10.94 ug/ml



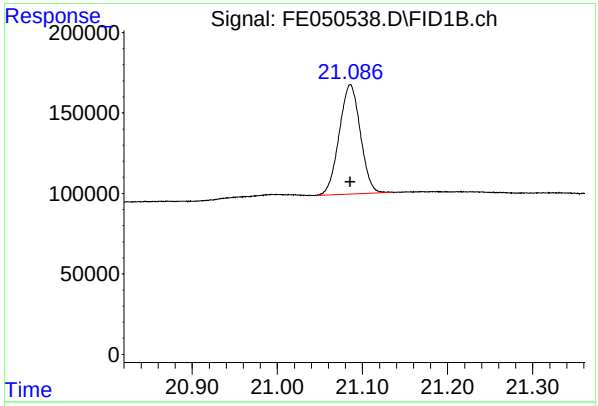
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: 0.000 min
Response: 1525013
Conc: 10.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.000 min
Response: 1301715
Conc: 10.70 ug/ml



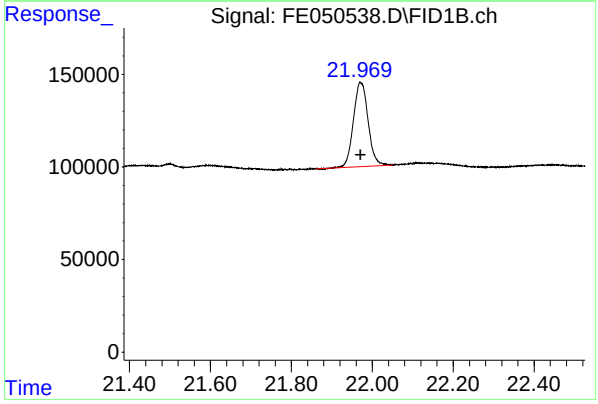
#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: 0.000 min
Response: 1173667
Conc: 10.19 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: 0.000 min
Response: 1141383
Conc: 10.33 ug/ml

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10082
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
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 100824.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	3.253	3.221	3.331	BB	141842	1429353	85.79%	4.574%
2	4.503	4.464	4.581	BB	143204	1451977	87.15%	4.647%
3	6.215	6.174	6.358	BB	116535	1409508	84.60%	4.511%
4	6.670	6.634	6.748	BB	145347	1456013	87.39%	4.660%
5	7.311	7.278	7.464	BB	101321	1303112	78.22%	4.170%
6	8.497	8.461	8.578	BB	135582	1444120	86.68%	4.621%
7	10.103	10.061	10.188	BB	130078	1486117	89.20%	4.756%
8	11.544	11.508	11.614	BB	130433	1509351	90.59%	4.830%
9	11.864	11.831	11.944	BB	145215	1598249	95.93%	5.115%
10	12.852	12.814	12.924	BB	122059	1447741	86.90%	4.633%
11	13.298	13.261	13.368	BB	93873	1184740	71.11%	3.791%
12	13.463	13.428	13.534	BB	115675	1422566	85.39%	4.553%
13	14.049	14.014	14.124	BB	111578	1407717	84.49%	4.505%
14	15.149	15.064	15.224	BB	110566	1417214	85.06%	4.535%
15	16.170	16.104	16.241	BB	108964	1413994	84.87%	4.525%
16	17.118	17.051	17.191	BB	105302	1469893	88.23%	4.704%
17	18.006	17.928	18.054	BB	116031	1614246	96.89%	5.166%
18	18.837	18.801	18.894	BB	119499	1666044	100.00%	5.332%
19	19.621	19.561	19.698	BB	102286	1525013	91.53%	4.880%
20	20.359	20.321	20.409	BBA	88720	1301715	78.13%	4.166%
21	21.086	21.021	21.138	BB	67480	1147945	68.90%	3.674%
22	21.971	21.861	22.051	BV	45313	1141383	68.51%	3.653%
			Sum of corrected areas:			31248008		

Aliphatic EPH 100824.M Mon Oct 07 16:36:37 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Integration File: autoint1.e
Quant Time: Oct 07 16:31:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:31:21 2024
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)	11.863	837545	5.312 ug/ml
Spiked Amount	50.000		Recovery =	10.62%
12) S	1-chlorooctadecane (S...	13.298	614466	5.194 ug/ml
Spiked Amount	50.000		Recovery =	10.39%
	Target Compounds			
1) T	n-Nonane (C9)	3.254	753304	5.332 ug/ml
2) T	n-Decane (C10)	4.503	761079	5.305 ug/ml
3) T	A~Naphthalene (C11.7)	6.217	703385	4.919 ug/ml
4) T	n-Dodecane (C12)	6.670	760541	5.284 ug/ml
5) T	A~2-methylnaphthalene...	7.313	623807	4.709 ug/ml
6) T	n-Tetradecane (C14)	8.496	759193	5.307 ug/ml
7) T	n-Hexadecane (C16)	10.102	772180	5.247 ug/ml
8) T	n-Octadecane (C18)	11.544	790974	5.295 ug/ml
10) T	n-Eicosane (C20)	12.852	765738	5.340 ug/ml
11) T	n-Heneicosane (C21)	13.463	747887	5.326 ug/ml
13) T	n-Docosane (C22)	14.048	755779	5.387 ug/ml
14) T	n-Tetracosane (C24)	15.150	766754	5.427 ug/ml
15) T	n-Hexacosane (C26)	16.169	761614	5.412 ug/ml
16) T	n-Octacosane (C28)	17.117	840920	5.747 ug/ml
17) T	n-Tricontane (C30)	18.004	955708	6.011 ug/ml
18) T	n-Dotriacontane (C32)	18.837	1007931	6.217 ug/ml
19) T	n-Tetratriacontane (C34)	19.619	889564	6.056 ug/ml
20) T	n-Hexatriacontane (C36)	20.358	736787	5.810 ug/ml
21) T	n-Octatriacontane (C38)	21.084	775038	6.268 ug/ml
22) T	n-Tetracontane (C40)	21.969	573373	5.145 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

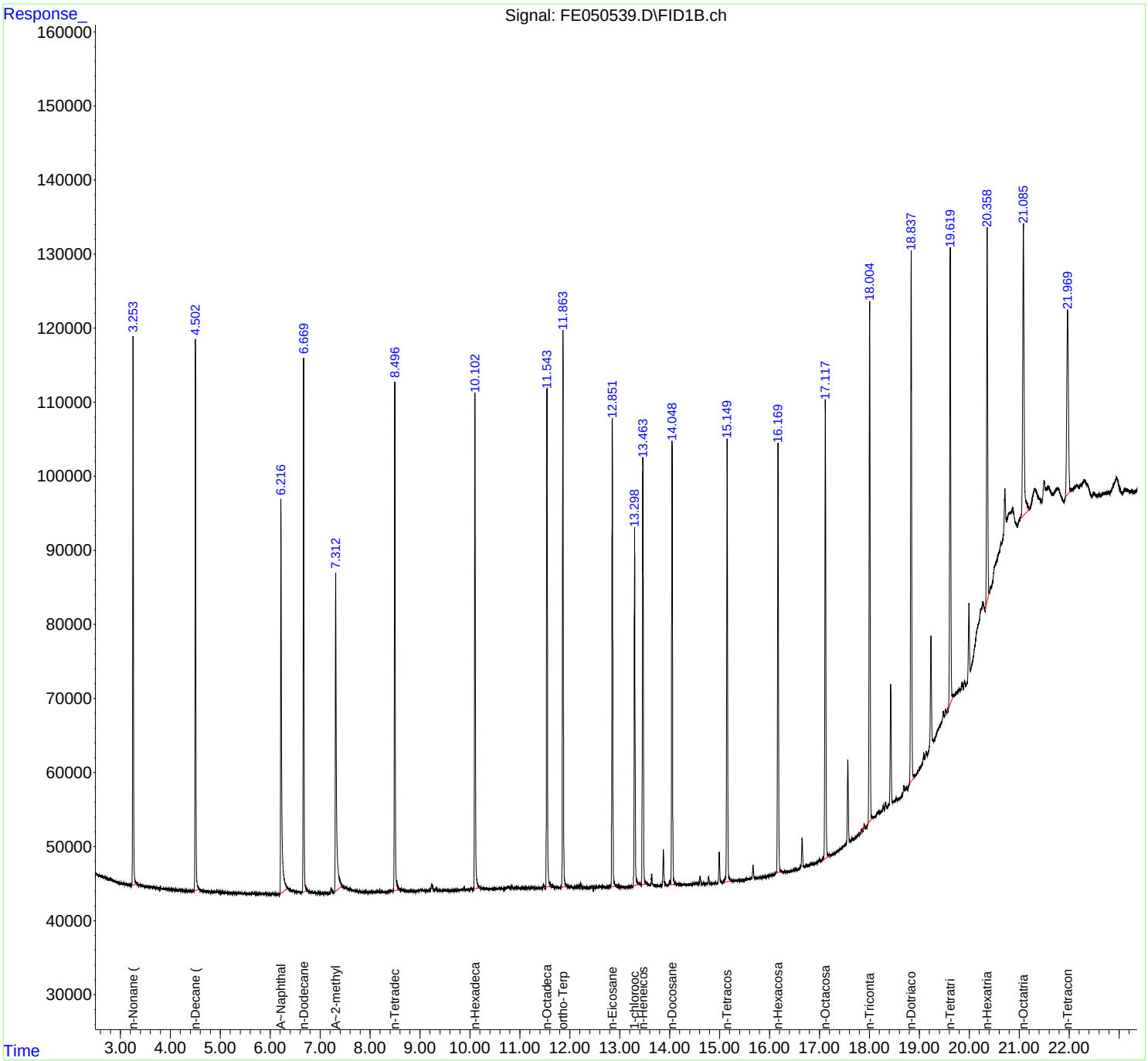
Integration File: autoint1.e
Quant Time: Oct 07 16:31:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:31:21 2024
Response via : Initial Calibration
Integrator: ChemStation

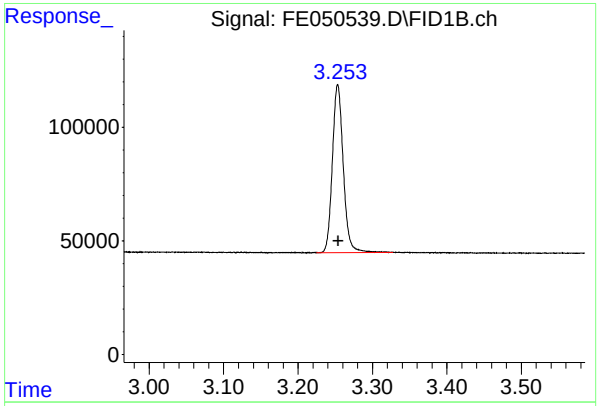
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024





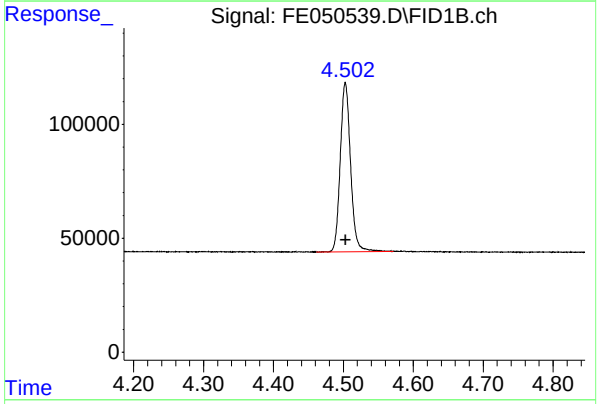
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: 0.000 min
Response: 753304
Conc: 5.33 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

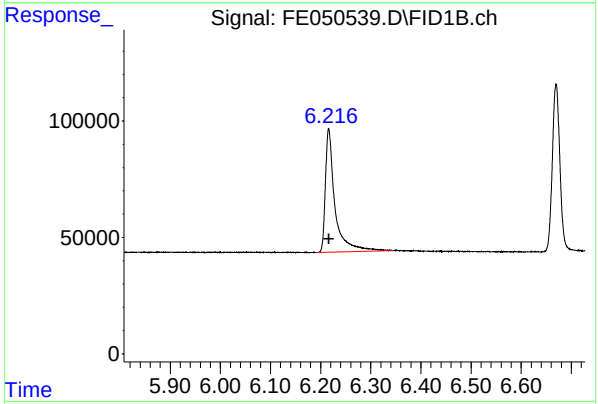
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



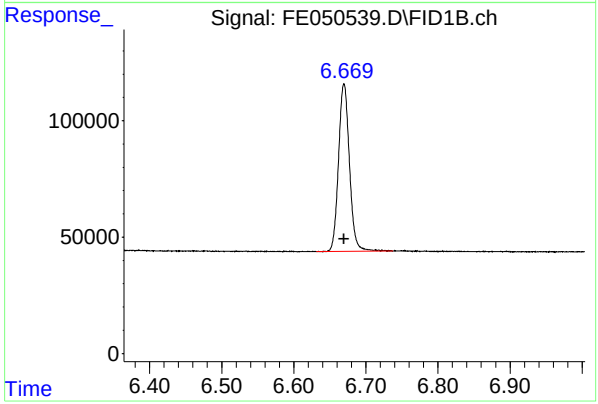
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 761079
Conc: 5.30 ug/ml



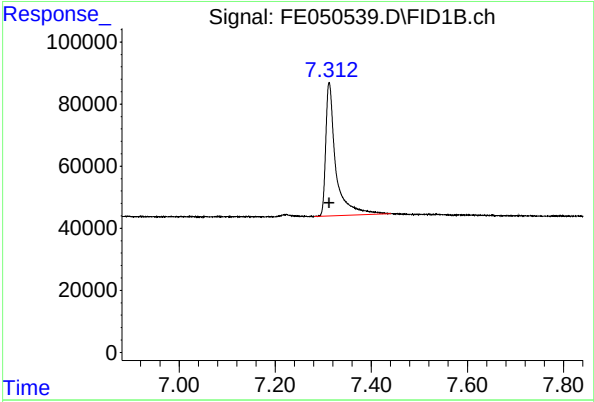
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.000 min
Response: 703385
Conc: 4.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 760541
Conc: 5.28 ug/ml



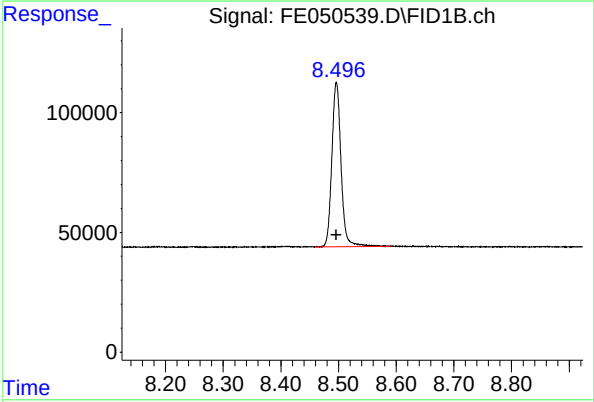
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 623807
Conc: 4.71 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

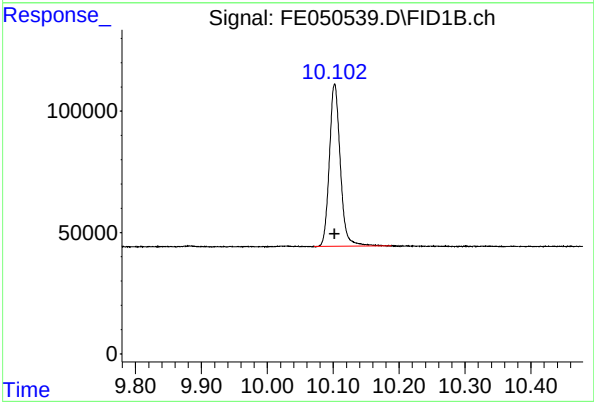
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



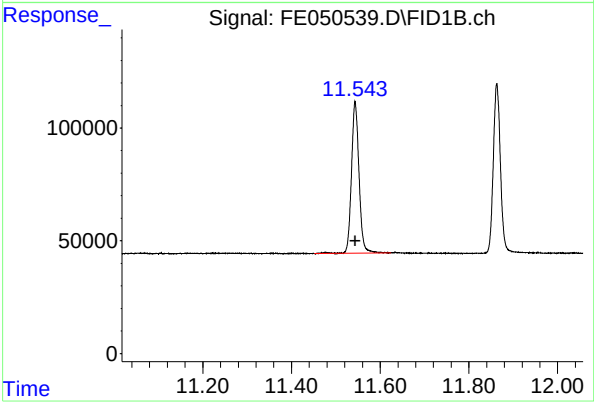
#6 n-Tetradecane (C14)

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 759193
Conc: 5.31 ug/ml



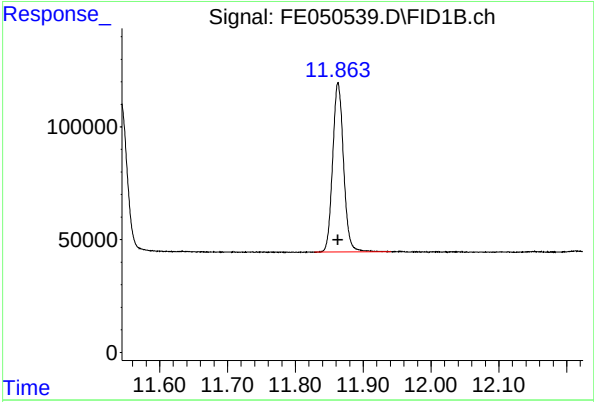
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: 0.000 min
Response: 772180
Conc: 5.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 790974
Conc: 5.30 ug/ml



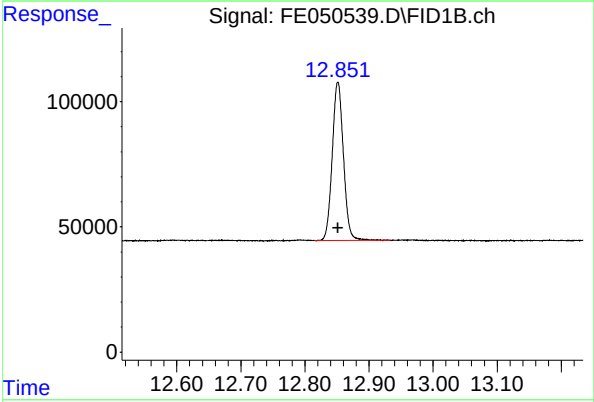
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: 0.000 min
Response: 837545
Conc: 5.31 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

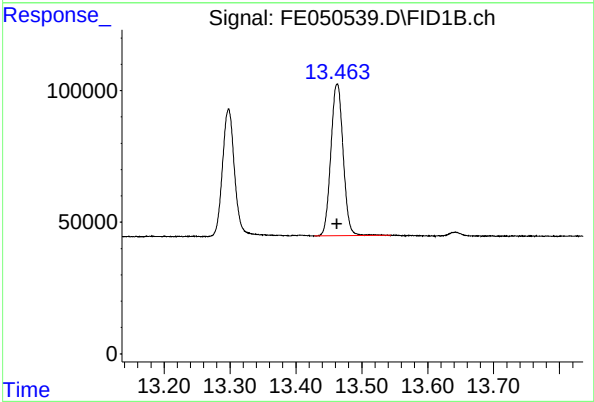
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



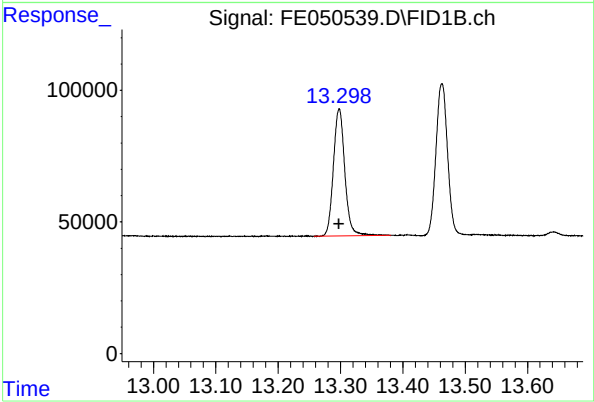
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 765738
Conc: 5.34 ug/ml



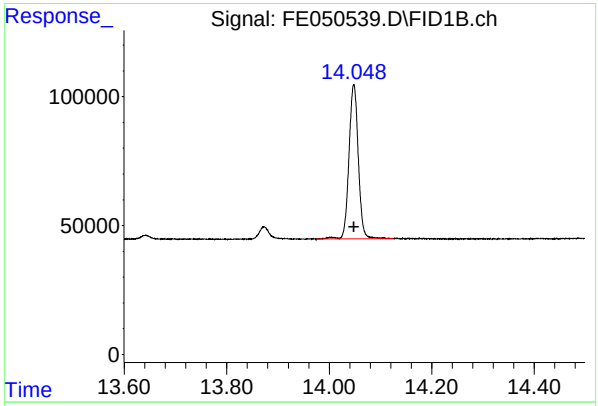
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 747887
Conc: 5.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 614466
Conc: 5.19 ug/ml



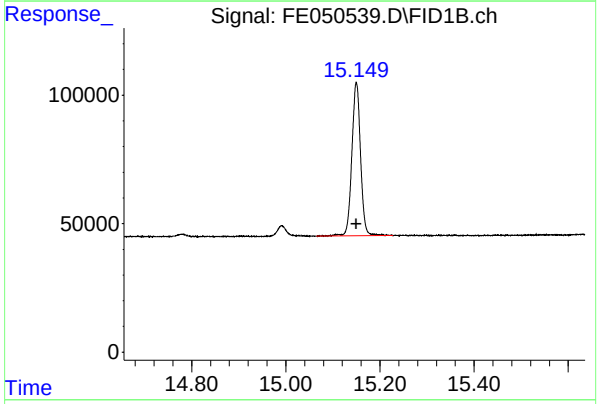
#13 n-Docosane (C22)

R.T.: 14.048 min
Delta R.T.: 0.000 min
Response: 755779
Conc: 5.39 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

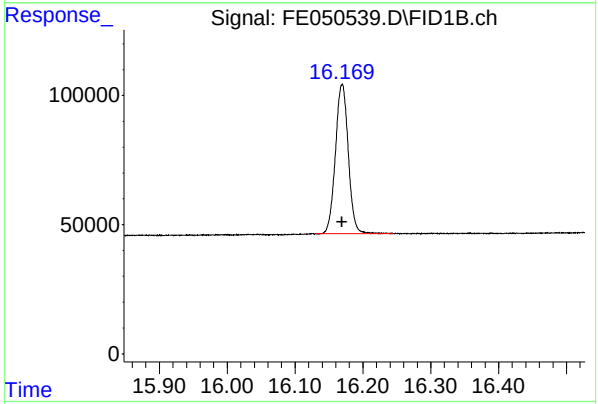
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



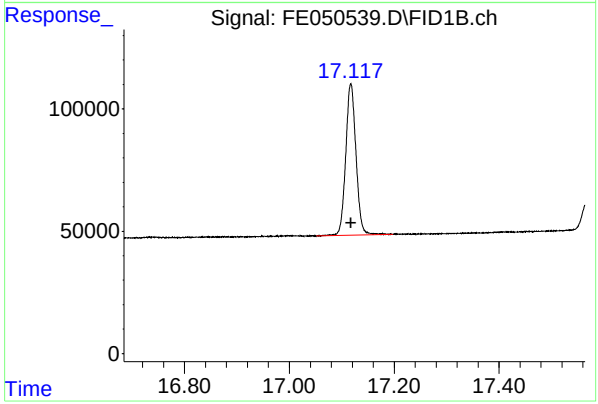
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: 0.000 min
Response: 766754
Conc: 5.43 ug/ml



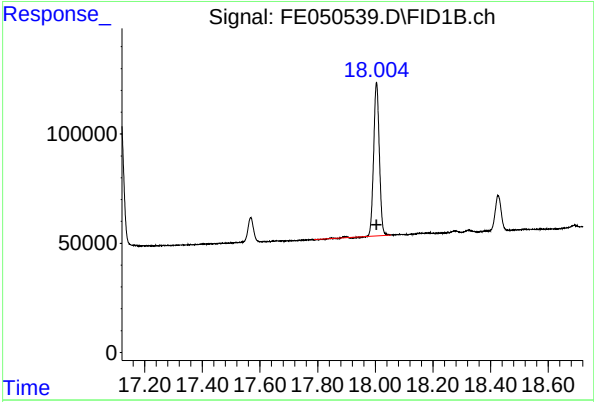
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: 0.000 min
Response: 761614
Conc: 5.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: 0.000 min
Response: 840920
Conc: 5.75 ug/ml



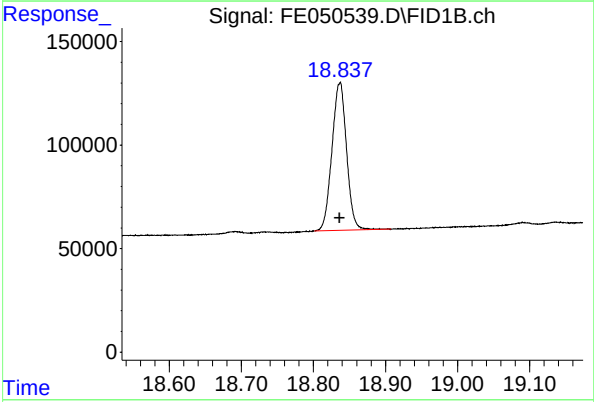
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: 0.000 min
Response: 955708
Conc: 6.01 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

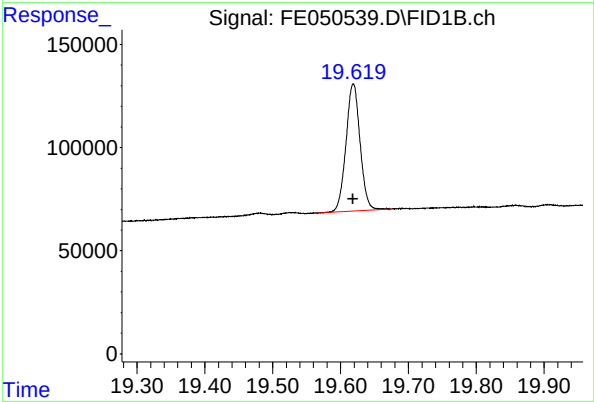
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



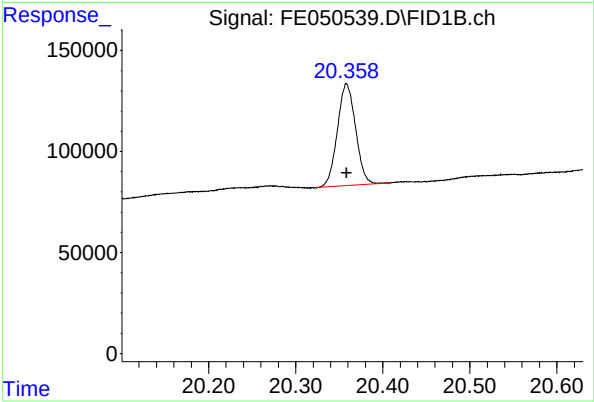
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 1007931
Conc: 6.22 ug/ml



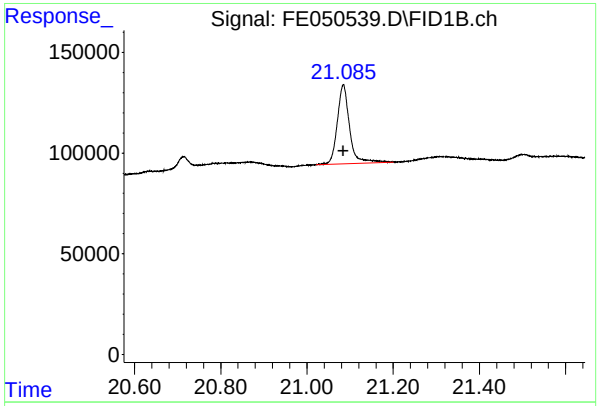
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 889564
Conc: 6.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: 0.000 min
Response: 736787
Conc: 5.81 ug/ml



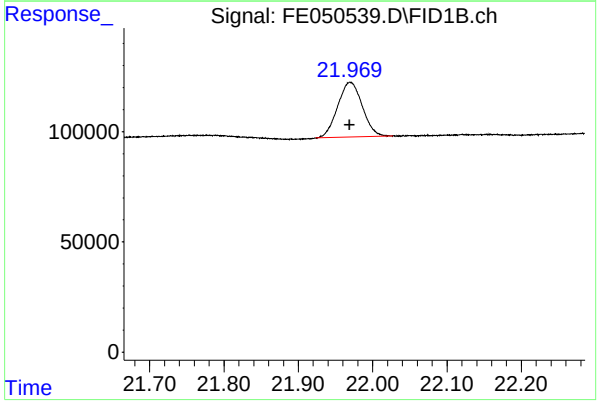
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: 0.000 mi
Response: 775038
Conc: 6.27 ug/m

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: 0.000 min
Response: 573373
Conc: 5.14 ug/ml m

Instrument :
FID_E
LabSampleId :
5 PPM ALIPHATIC HC STD5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10082
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
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 100824.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	3.254	3.224	3.328	BB	73662	753304	74.74%	4.447%
2	4.503	4.461	4.571	BB	73626	761079	75.51%	4.493%
3	6.217	6.191	6.344	BB	52188	703385	69.78%	4.152%
4	6.670	6.631	6.738	BB	72076	760541	75.46%	4.490%
5	7.313	7.281	7.441	BB	42388	623807	61.89%	3.683%
6	8.496	8.458	8.591	BB	68361	759193	75.32%	4.482%
7	10.102	10.071	10.188	BB	66932	772180	76.61%	4.559%
8	11.544	11.451	11.624	BB	66625	790974	78.47%	4.670%
9	11.863	11.828	11.941	BB	74273	837545	83.10%	4.945%
10	12.852	12.814	12.934	BB	63313	765738	75.97%	4.521%
11	13.298	13.258	13.381	BB	48212	614466	60.96%	3.628%
12	13.463	13.428	13.544	BB	58070	747887	74.20%	4.415%
13	14.048	13.974	14.124	BB	59898	755779	74.98%	4.462%
14	15.150	15.064	15.228	BB	59559	766754	76.07%	4.527%
15	16.169	16.131	16.244	BB	57691	761614	75.56%	4.496%
16	17.117	17.051	17.198	BB	61897	840920	83.43%	4.964%
17	18.004	17.788	18.054	BB	70215	955708	94.82%	5.642%
18	18.837	18.801	18.908	BB	71875	1007931	100.00%	5.950%
19	19.619	19.561	19.674	BB	61617	889564	88.26%	5.252%
20	20.358	20.321	20.409	BBA	50235	736787	73.10%	4.350%
21	21.084	21.021	21.199	BBA	39404	775038	76.89%	4.575%
22	21.970	21.861	22.031	BB	24838	558694	55.43%	3.298%
			Sum of corrected areas:			16938887		

Aliphatic EPH 100824.M Mon Oct 07 16:37:05 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
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: Oct 07 17:01:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.865	2942962	18.667 ug/ml
	Spiked Amount 50.000		Recovery = 37.33%	
12)	S 1-chlorooctadecane (S...	13.299	2228627	18.840 ug/ml
	Spiked Amount 50.000		Recovery = 37.68%	
	Target Compounds			
1)	T n-Nonane (C9)	3.253	2689462	19.035 ug/ml
2)	T n-Decane (C10)	4.503	2733520	19.052 ug/ml
3)	T A~Naphthalene (C11.7)	6.214	2714676	18.985 ug/ml
4)	T n-Dodecane (C12)	6.670	2741257	19.045 ug/ml
5)	T A~2-methylnaphthalene...	7.310	2535659	19.140 ug/ml
6)	T n-Tetradecane (C14)	8.497	2716479	18.987 ug/ml
7)	T n-Hexadecane (C16)	10.103	2790671	18.962 ug/ml
8)	T n-Octadecane (C18)	11.544	2821757	18.891 ug/ml
10)	T n-Eicosane (C20)	12.852	2729389	19.033 ug/ml
11)	T n-Heneicosane (C21)	13.464	2653621	18.896 ug/ml
13)	T n-Docosane (C22)	14.049	2698315	19.233 ug/ml
14)	T n-Tetracosane (C24)	15.151	2823967	19.989 ug/ml
15)	T n-Hexacosane (C26)	16.170	2863872	20.352 ug/ml
16)	T n-Octacosane (C28)	17.118	2984657	20.397 ug/ml
17)	T n-Tricontane (C30)	18.005	3160183	19.875 ug/ml
18)	T n-Dotriacontane (C32)	18.837	3132221	19.321 ug/ml
19)	T n-Tetratriacontane (C34)	19.619	2741344	18.662 ug/ml
20)	T n-Hexatriacontane (C36)	20.359	2393312	18.873 ug/ml
21)	T n-Octatriacontane (C38)	21.084	2140081	17.308 ug/ml
22)	T n-Tetracontane (C40)	21.972	2032080	18.249 ug/ml

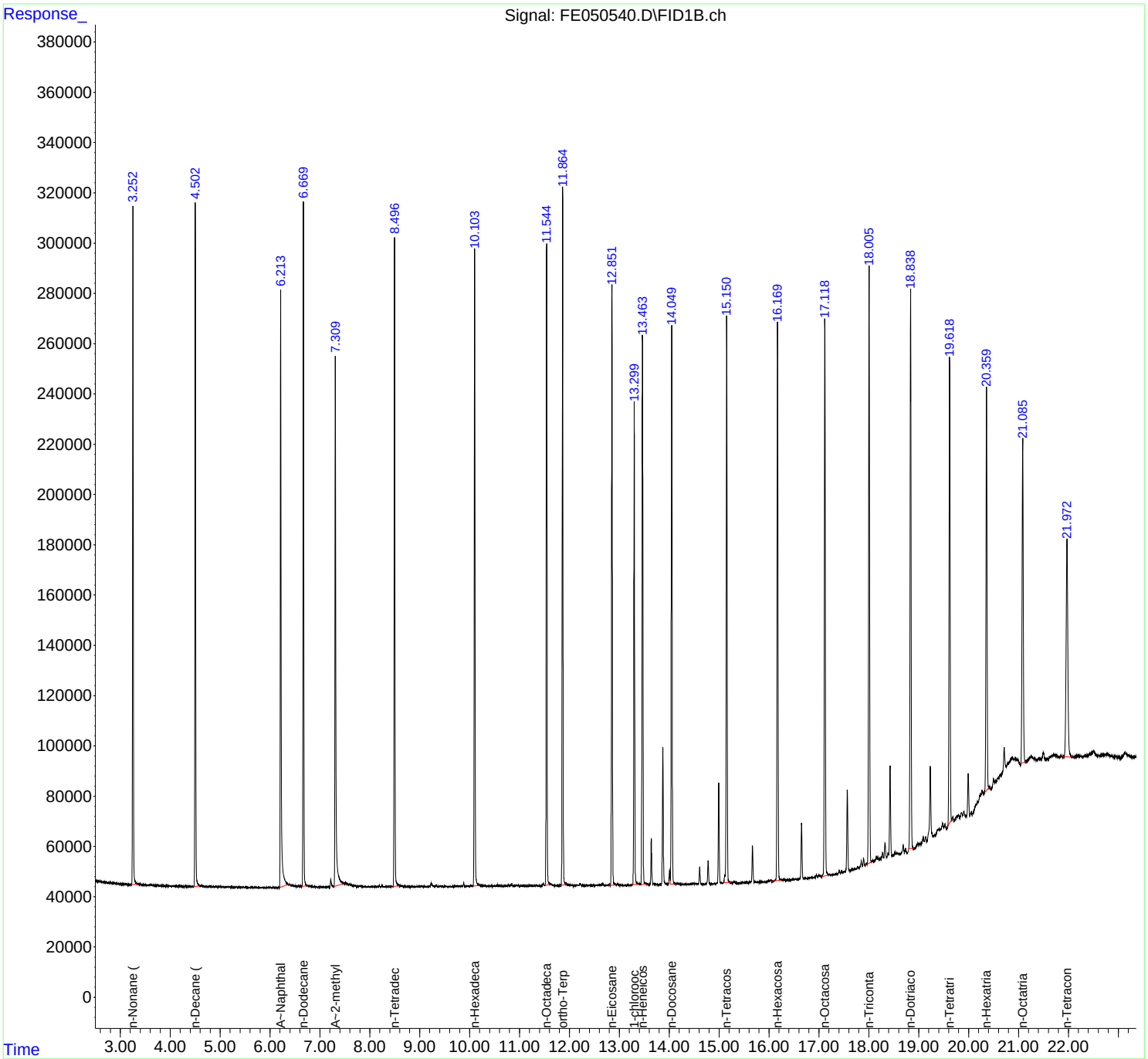
(f)=RT Delta > 1/2 Window (m)=manual int.

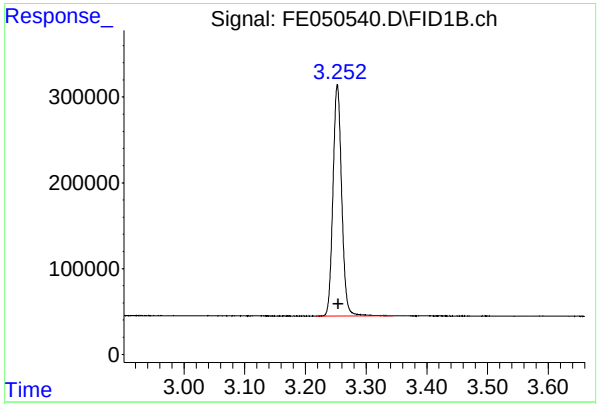
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 07 17:01:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

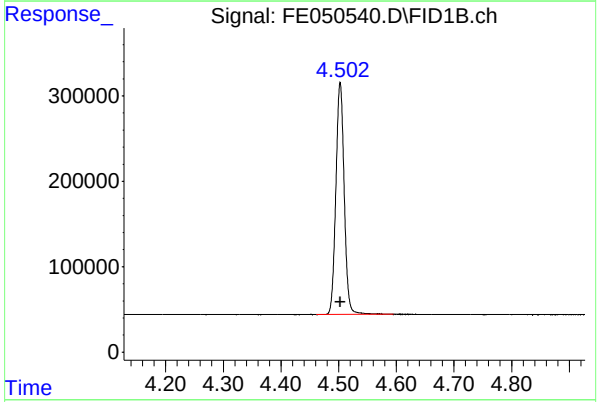




#1 n-Nonane (C9)

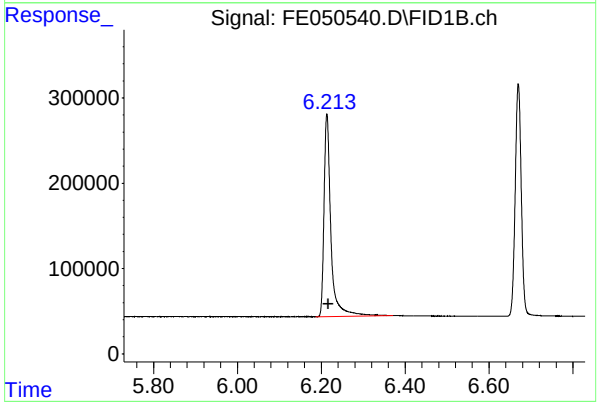
R.T.: 3.253 min
Delta R.T.: -0.001 min
Response: 2689462
Conc: 19.03 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



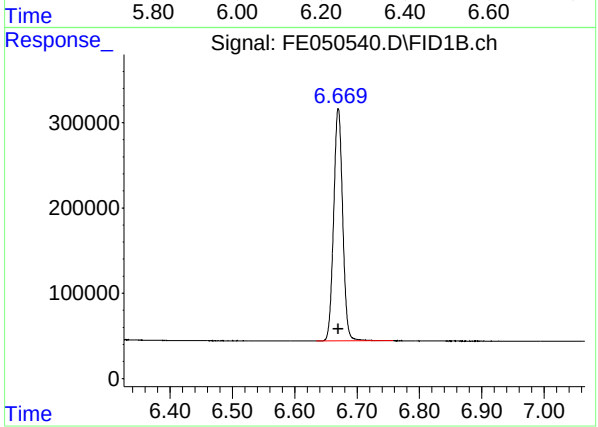
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 2733520
Conc: 19.05 ug/ml



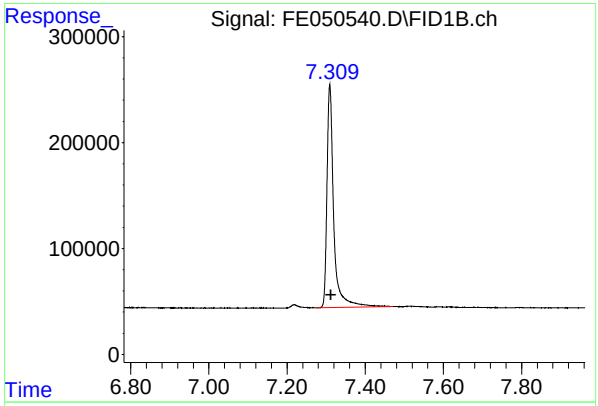
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.003 min
Response: 2714676
Conc: 18.99 ug/ml



#4 n-Dodecane (C12)

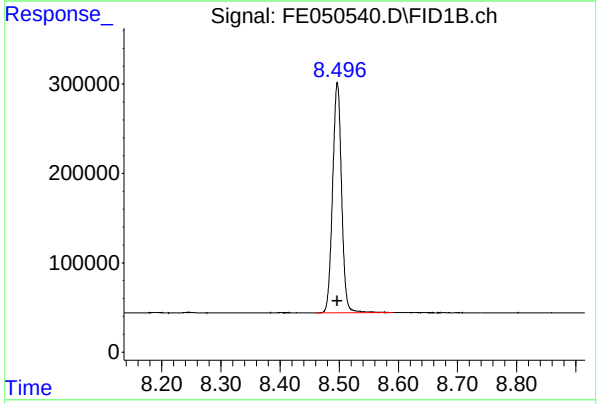
R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 2741257
Conc: 19.05 ug/ml



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

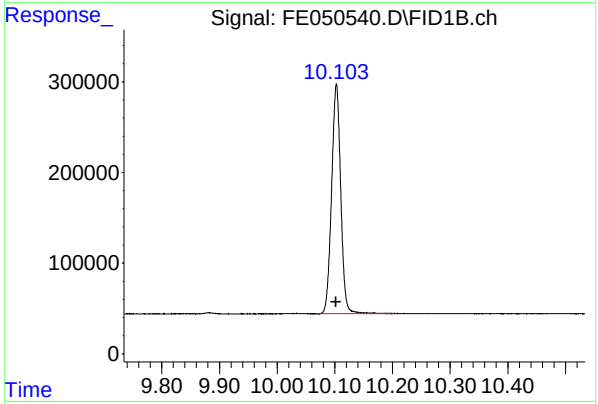
R.T.: 7.310 min
Delta R.T.: -0.003 min
Response: 2535659
Conc: 19.14 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



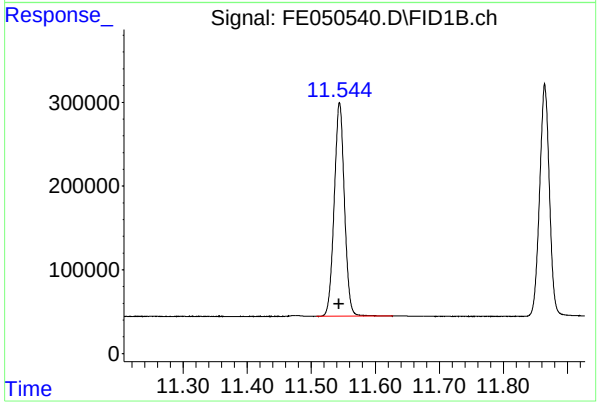
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 2716479
Conc: 18.99 ug/ml



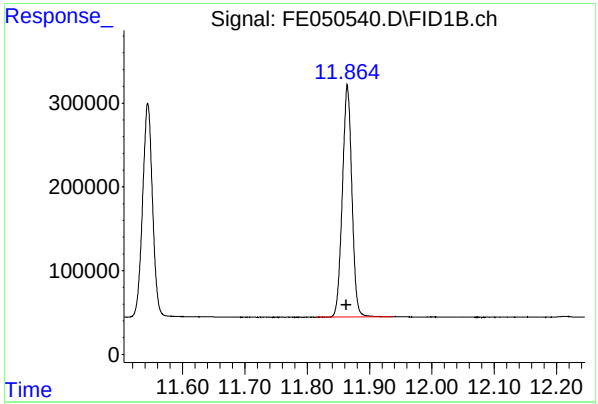
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 2790671
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

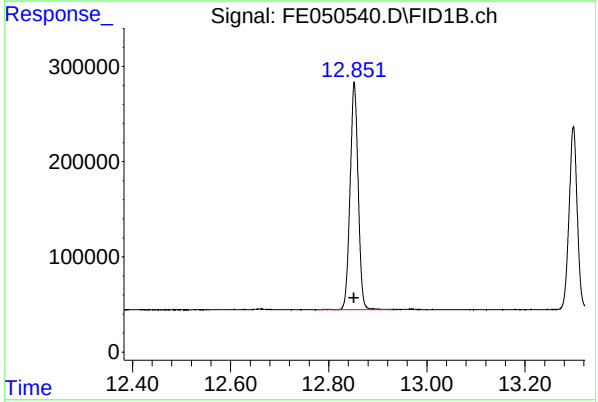
R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 2821757
Conc: 18.89 ug/ml



#9 ortho-Terphenyl (SURR)

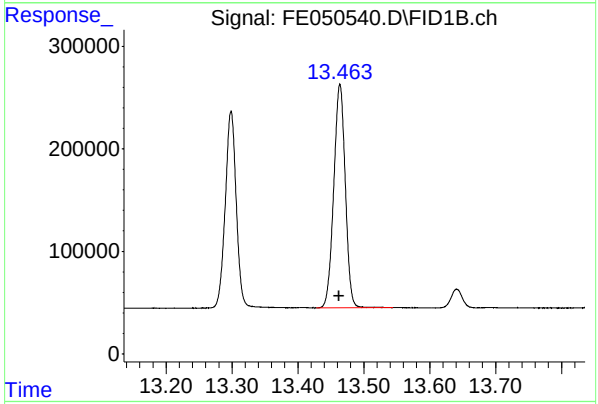
R.T.: 11.865 min
Delta R.T.: 0.001 min
Response: 2942962
Conc: 18.67 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



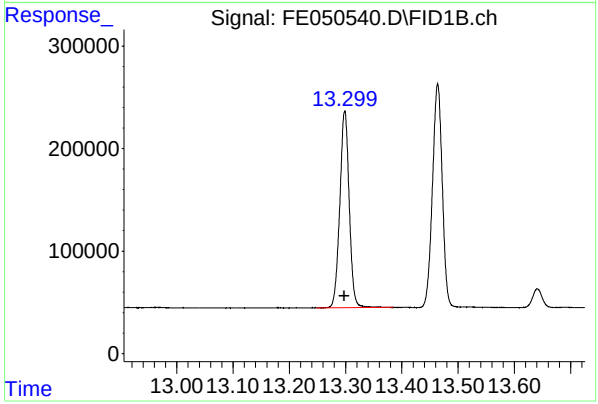
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 2729389
Conc: 19.03 ug/ml



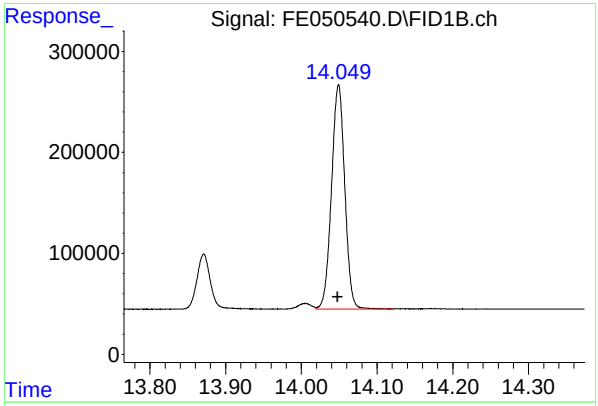
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: 0.001 min
Response: 2653621
Conc: 18.90 ug/ml



#12 1-chlorooctadecane (SURR)

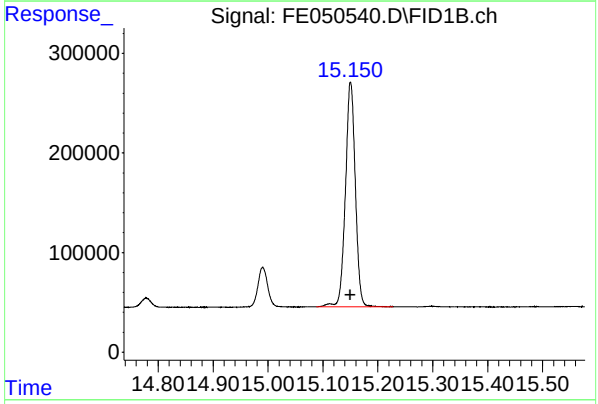
R.T.: 13.299 min
Delta R.T.: 0.000 min
Response: 2228627
Conc: 18.84 ug/ml



#13 n-Docosane (C22)

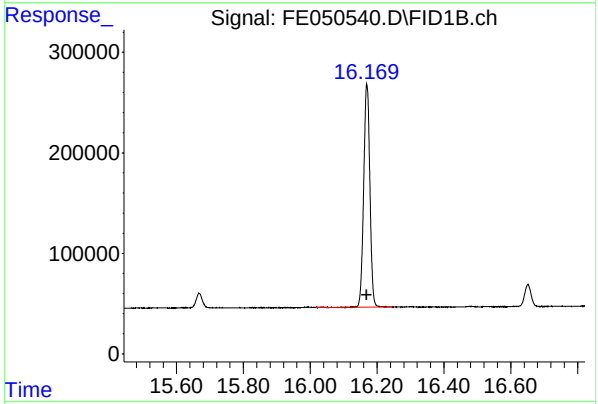
R.T.: 14.049 min
Delta R.T.: 0.001 min
Response: 2698315
Conc: 19.23 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



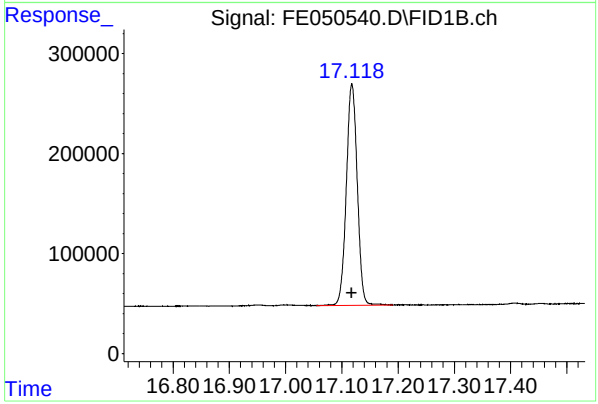
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: 0.000 min
Response: 2823967
Conc: 19.99 ug/ml



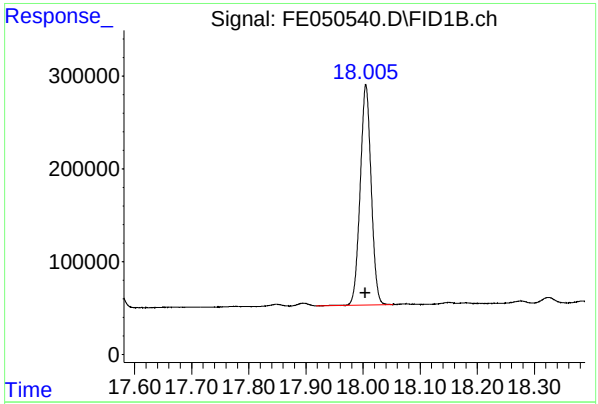
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 2863872
Conc: 20.35 ug/ml



#16 n-Octacosane (C28)

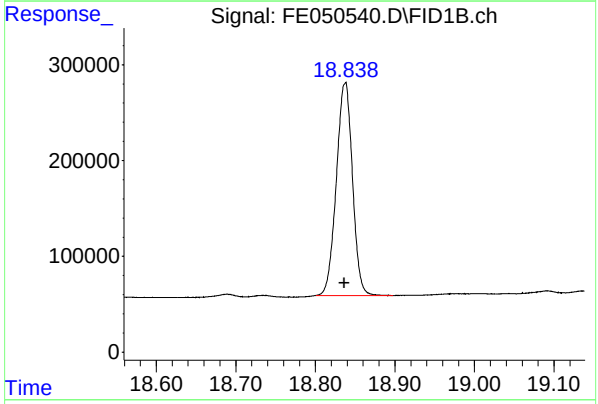
R.T.: 17.118 min
Delta R.T.: 0.000 min
Response: 2984657
Conc: 20.40 ug/ml



#17 n-Tricontane (C30)

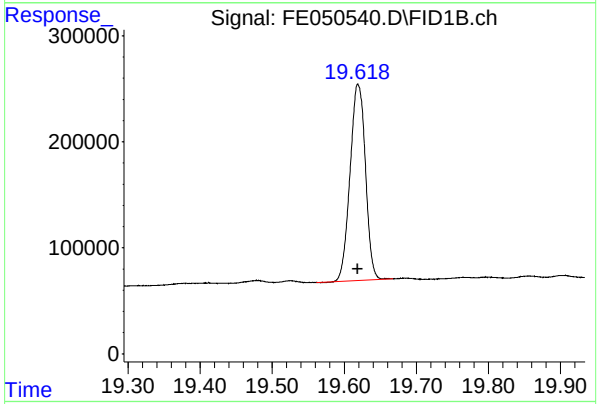
R.T.: 18.005 min
Delta R.T.: 0.000 min
Response: 3160183
Conc: 19.88 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



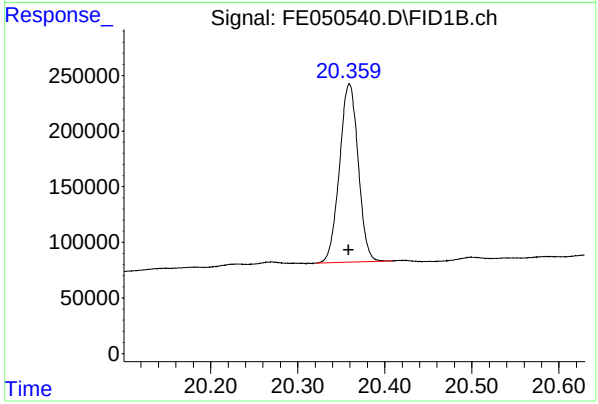
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 3132221
Conc: 19.32 ug/ml



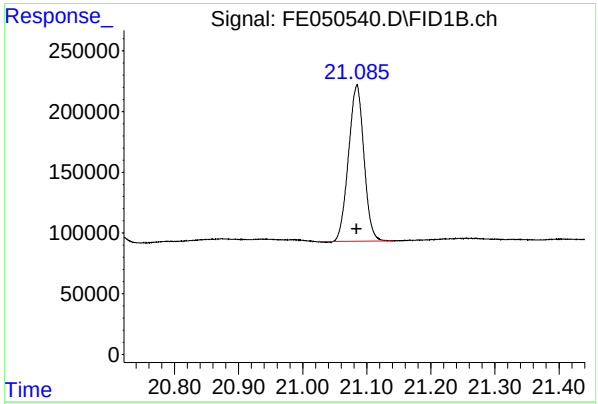
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 2741344
Conc: 18.66 ug/ml



#20 n-Hexatriacontane (C36)

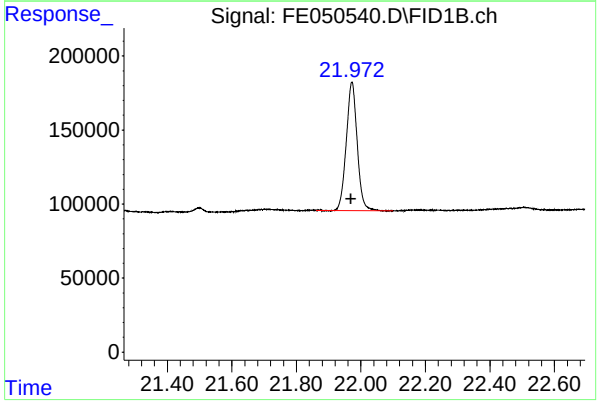
R.T.: 20.359 min
Delta R.T.: 0.000 min
Response: 2393312
Conc: 18.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: 0.000 min
Response: 2140081
Conc: 17.31 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.972 min
Delta R.T.: 0.003 min
Response: 2032080
Conc: 18.25 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
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 100824.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	3.253	3.218	3.344	BB	267501	2689462	85.10%	4.538%
2	4.503	4.461	4.594	BB	270567	2733520	86.50%	4.612%
3	6.214	6.188	6.371	BB	236720	2714676	85.90%	4.580%
4	6.670	6.634	6.758	BB	272468	2741257	86.74%	4.625%
5	7.310	7.274	7.471	BB	208837	2535659	80.24%	4.278%
6	8.497	8.461	8.591	BB	258171	2716479	85.96%	4.583%
7	10.103	10.068	10.201	BB	252751	2790671	88.31%	4.709%
8	11.544	11.508	11.628	BB	255454	2821757	89.29%	4.761%
9	11.865	11.814	11.938	BB	276376	2942962	93.13%	4.966%
10	12.852	12.774	12.931	BB	237336	2729389	86.37%	4.605%
11	13.299	13.248	13.384	BB	192003	2228627	70.52%	3.760%
12	13.464	13.428	13.544	BB	218379	2653621	83.97%	4.477%
13	14.049	14.019	14.121	VB	220938	2698315	85.38%	4.553%
14	15.151	15.088	15.228	BB	225510	2823967	89.36%	4.765%
15	16.170	16.018	16.248	BB	220922	2863872	90.62%	4.832%
16	17.118	17.054	17.191	BB	221073	2984657	94.45%	5.036%
17	18.005	17.918	18.052	PV	237213	3160183	100.00%	5.332%
18	18.837	18.801	18.898	BB	222662	3132221	99.12%	5.285%
19	19.619	19.561	19.668	BV	184014	2741344	86.75%	4.625%
20	20.359	20.321	20.409	BBA	159661	2393312	75.73%	4.038%
21	21.084	21.021	21.141	BV	128474	2140081	67.72%	3.611%
22	21.972	21.861	22.099	BBA	86878	2032080	64.30%	3.429%
			Sum of corrected areas:			59268111		

Aliphatic EPH 100824.M Mon Oct 07 17:02:35 2024

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

Inital Calibration Report for SequenceID : FG102124AR

AreaCount

Parameter Range	FG014461.D	FG014462.D	FG014463.D	FG014464.D	FG014465.D	
Aromatic C10-C12	25666133.000	13944641.000	5674868.000	2855389.000	1450608.000	
Aromatic C12-C16	40005389.000	21745855.000	8835761.000	4478653.000	2285842.000	
Aromatic C16-C21	52867791.000	28659966.000	11693067.000	5954910.000	3072620.000	
Aromatic C21-C36	118599058.000	61512047.000	25541591.000	13291959.000	6868694.000	
Aromatic EPH	237138371.000	125862509.000	51745287.000	26580911.000	13677764.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	139495.805	4.701				
Aromatic C12-C16	145452.8493328	5.014				
Aromatic C16-C21	144827.279	5.548				
Aromatic C21-C36	142138.7948884	5.866				
Aromatic EPH	142994.9126662	5.412				

Concentration

Parameter Range	FG014461.D	FG014462.D	FG014463.D	FG014464.D	FG014465.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	FG014461.D	FG014462.D	FG014463.D	FG014464.D	FG014465.D	
Aromatic C10-C12	128330.665000	139446.410000	141871.700000	142769.450000	145060.800000	
Aromatic C12-C16	133351.296666	144972.366666	147262.683333	149288.433333	152389.466666	
Aromatic C16-C21	132169.477500	143299.830000	146163.337500	148872.750000	153631.000000	
Aromatic C21-C36	131776.731111	136693.437777	141897.727777	147688.433333	152637.644444	
Aromatic EPH	131743.539444	139847.232222	143736.908333	147671.727777	151975.155555	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014461.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 19:11
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 04:31:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	8.041	11445142	90.193 ug/ml
	Spiked Amount 50.000		Recovery = 180.39%	
6)	S 2-Flurobiphenyl (SURR)	8.919	7906331	90.714 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 181.43%#	
11)	S ortho-Terphenyl (SURR)	11.993	13392311	89.617 ug/ml
	Spiked Amount 50.000		Recovery = 179.23%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.640	12446477	90.201 ug/ml
2)	T Naphthalene (C11.7)	6.314	13219656	90.696 ug/ml
3)	T 2-Methylnaphthalene (...	7.414	13436105	90.592 ug/ml
5)	T Acenaphthylene (C15.06)	8.720	13296506	90.404 ug/ml
7)	T Acenaphthene (C15.5)	9.022	13272778	90.664 ug/ml
8)	T Flouorene (C16.55)	9.813	13245341	90.494 ug/ml
9)	T Phenanthrene (C19.36)	11.223	13458381	90.575 ug/ml
10)	T Anthracene (C19.43)	11.301	12748608	89.987 ug/ml
12)	T Fluoranthene (C21.85)	13.050	13469156	90.432 ug/ml
13)	T Pyrene (C20.8)	13.350	13415461	90.629 ug/ml
14)	T Benzo[a]anthracene (C...	15.232	13315853	91.516 ug/ml
15)	T Chrysene (C27.41)	15.281	13441483	91.191 ug/ml
16)	T benzo[b]fluoranthene ...	16.794	13784033	93.927 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.833	12812088	93.113 ug/mlm
18)	T Benzo[a]pyrene (C31.34)	17.178	13241162	93.030 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.549	12956528	98.569 ug/ml
20)	T Dibenz[a,h]anthracene...	18.591	12603686	90.848 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.813	12975069	93.768 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014461.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 19:11
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

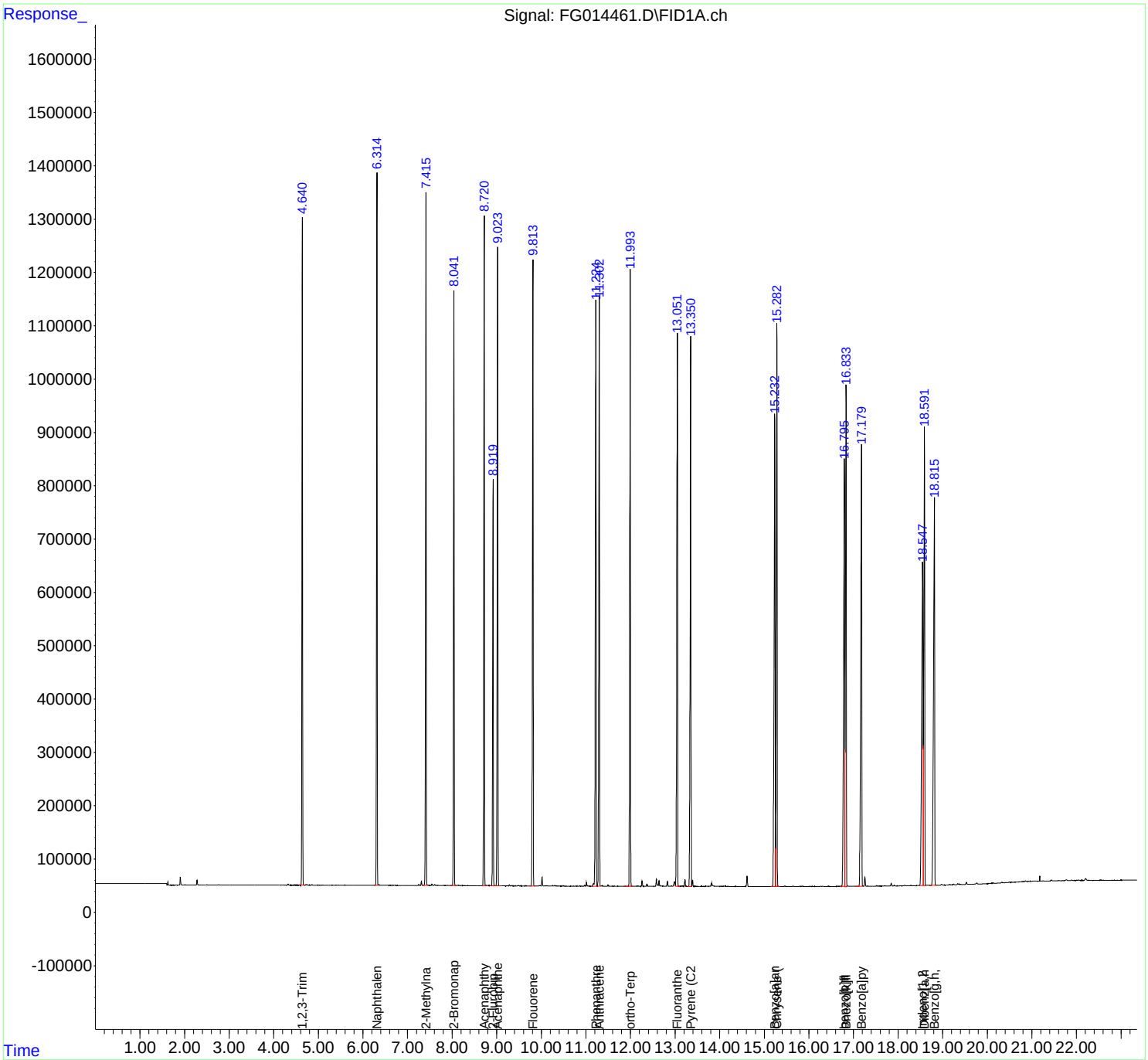
Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

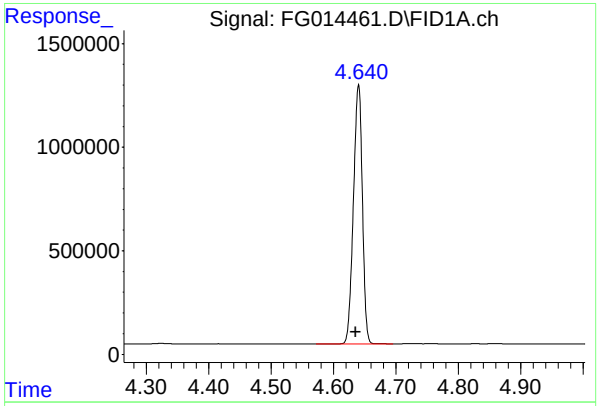
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File: autoint1.e
Quant Time: Oct 22 04:31:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





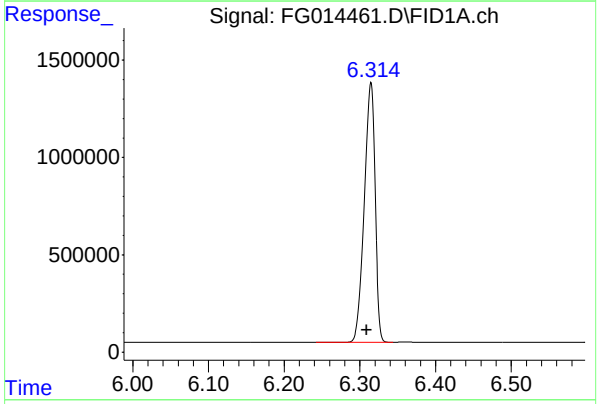
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.640 min
Delta R.T.: 0.004 min
Response: 12446477
Conc: 90.20 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

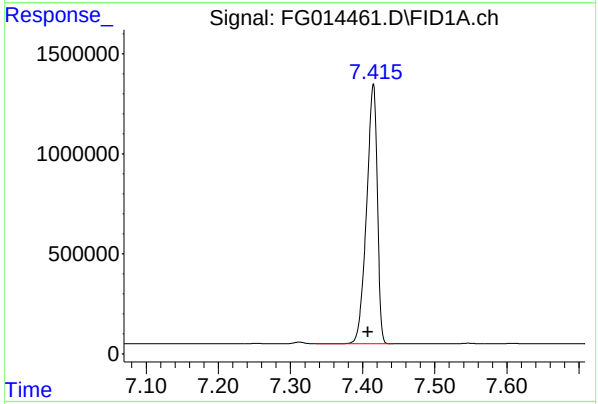
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



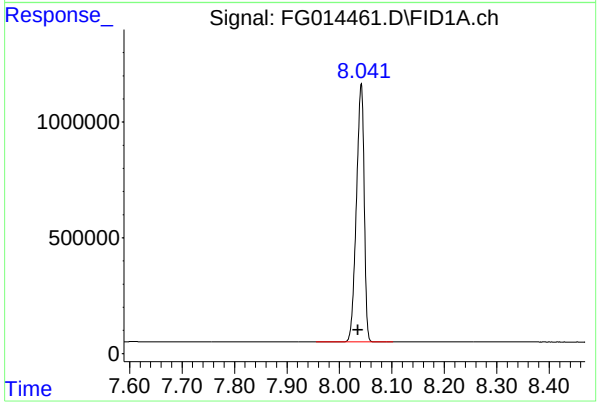
#2 Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: 0.005 min
Response: 13219656
Conc: 90.70 ug/ml



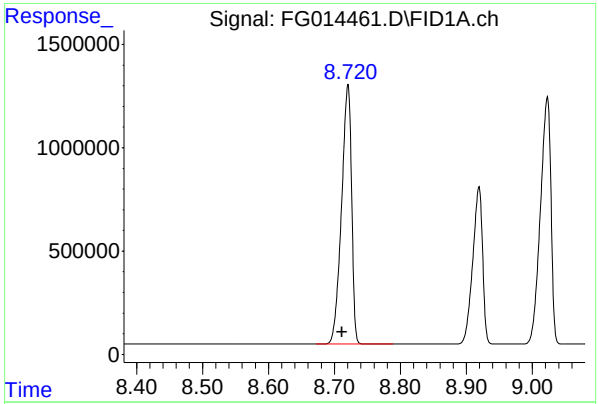
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.414 min
Delta R.T.: 0.007 min
Response: 13436105
Conc: 90.59 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.041 min
Delta R.T.: 0.006 min
Response: 11445142
Conc: 90.19 ug/ml



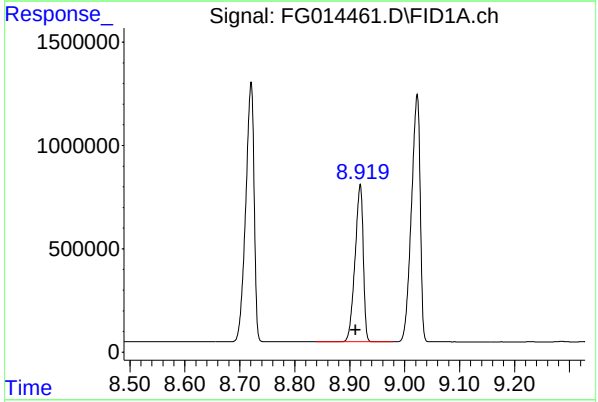
#5 Acenaphthylene (C15.06)

R.T.: 8.720 min
Delta R.T.: 0.008 min
Response: 13296506
Conc: 90.40 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

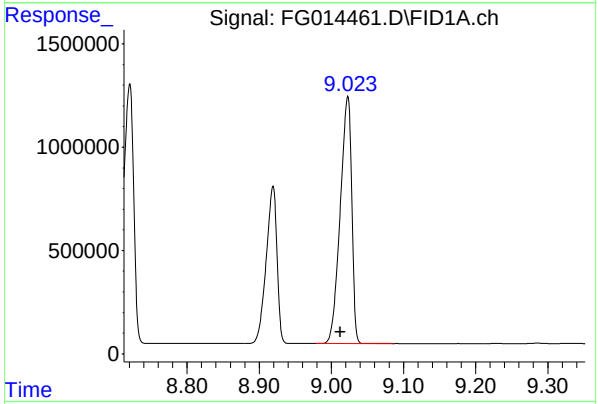
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



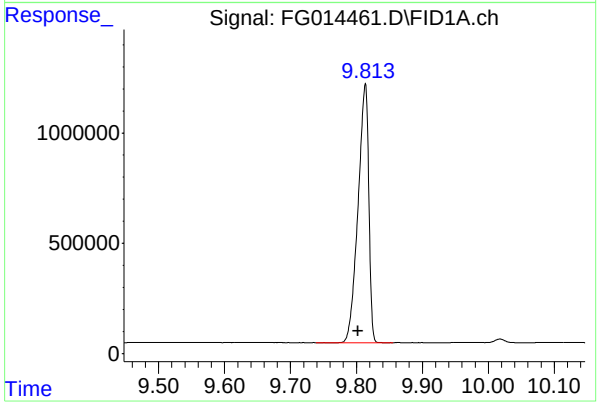
#6 2-Flurobiphenyl (SURR)

R.T.: 8.919 min
Delta R.T.: 0.007 min
Response: 7906331
Conc: 90.71 ug/ml



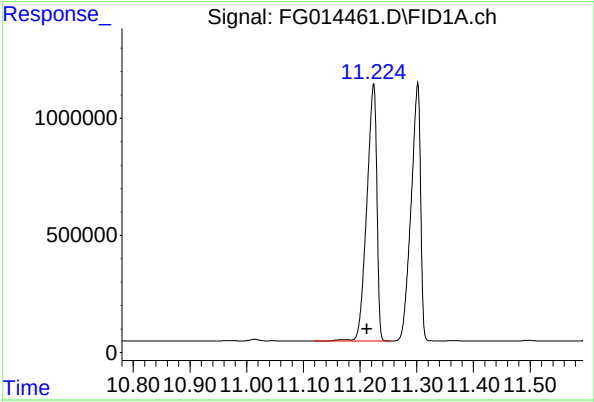
#7 Acenaphthene (C15.5)

R.T.: 9.022 min
Delta R.T.: 0.009 min
Response: 13272778
Conc: 90.66 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.813 min
Delta R.T.: 0.010 min
Response: 13245341
Conc: 90.49 ug/ml



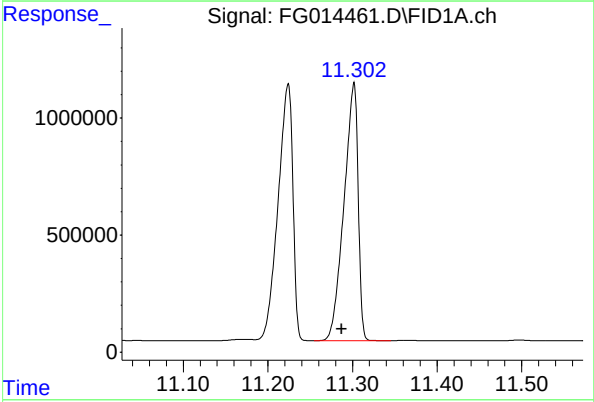
#9 Phenanthrene (C19.36)

R.T.: 11.223 min
Delta R.T.: 0.011 min
Response: 13458381
Conc: 90.58 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

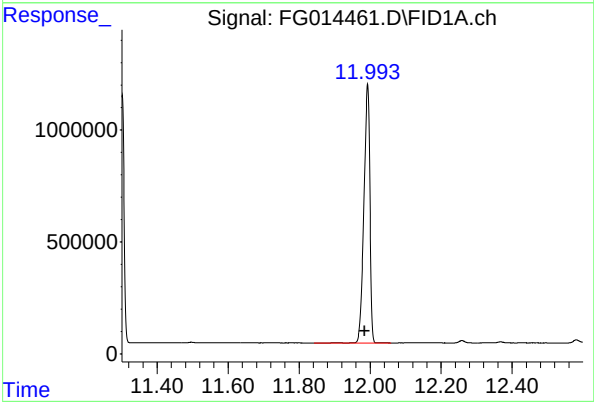
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



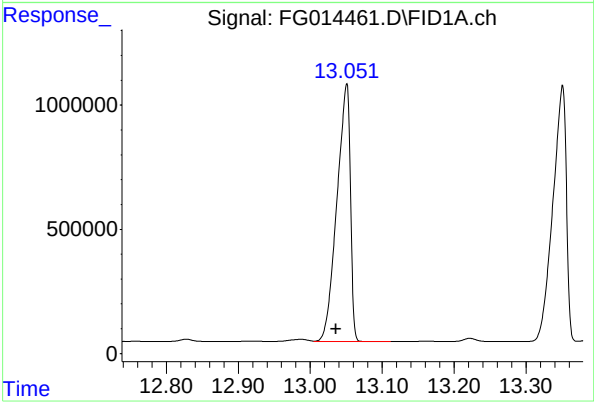
#10 Anthracene (C19.43)

R.T.: 11.301 min
Delta R.T.: 0.014 min
Response: 12748608
Conc: 89.99 ug/ml



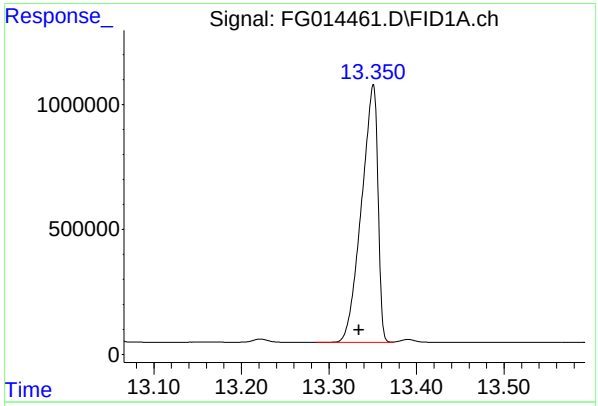
#11 ortho-Terphenyl (SURR)

R.T.: 11.993 min
Delta R.T.: 0.008 min
Response: 13392311
Conc: 89.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.050 min
Delta R.T.: 0.014 min
Response: 13469156
Conc: 90.43 ug/ml



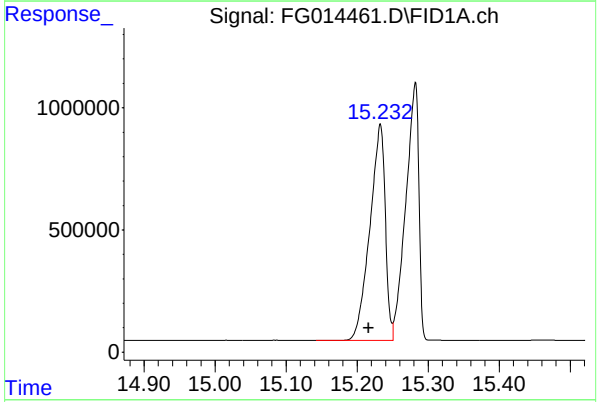
#13 Pyrene (C20.8)

R.T.: 13.350 min
Delta R.T.: 0.015 min
Response: 13415461
Conc: 90.63 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

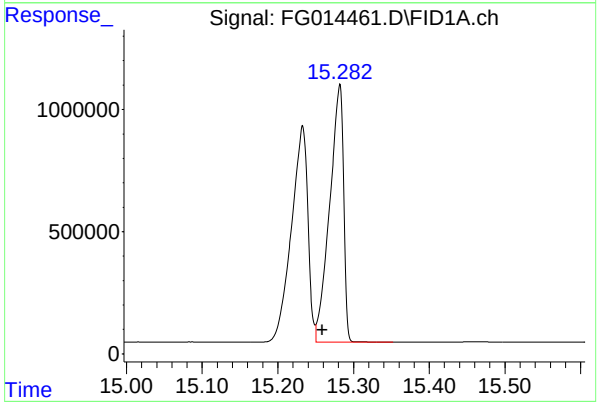
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



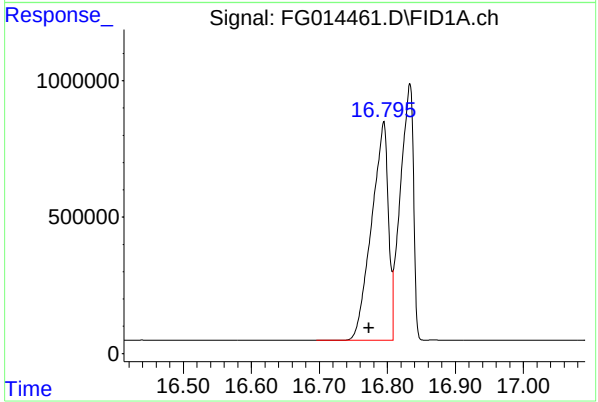
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.232 min
Delta R.T.: 0.016 min
Response: 13315853
Conc: 91.52 ug/ml



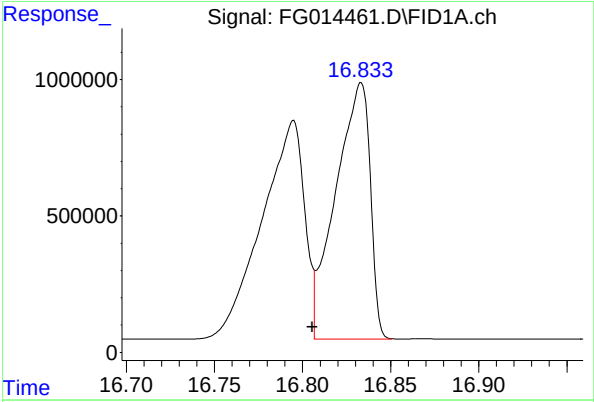
#15 Chrysene (C27.41)

R.T.: 15.281 min
Delta R.T.: 0.022 min
Response: 13441483
Conc: 91.19 ug/ml



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

R.T.: 16.794 min
Delta R.T.: 0.021 min
Response: 13784033
Conc: 93.93 ug/ml



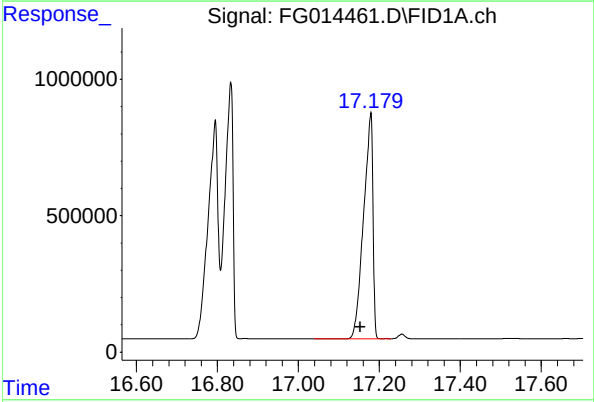
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.833 min
Delta R.T.: 0.027 min
Response: 12812088
Conc: 93.11 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

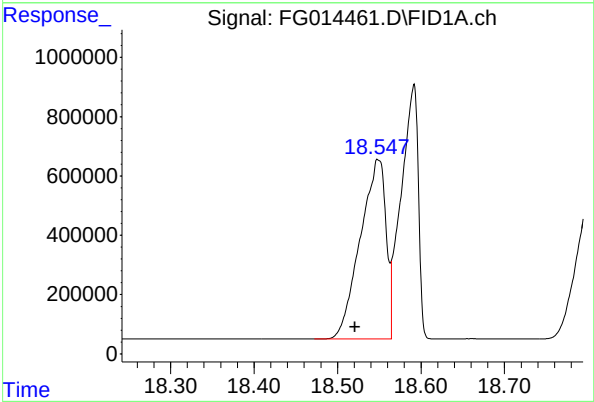
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



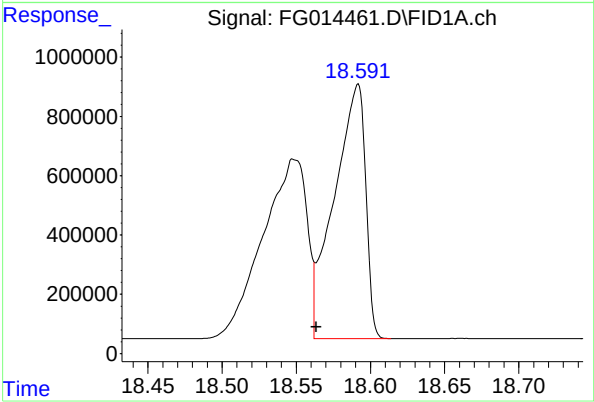
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.178 min
Delta R.T.: 0.025 min
Response: 13241162
Conc: 93.03 ug/ml



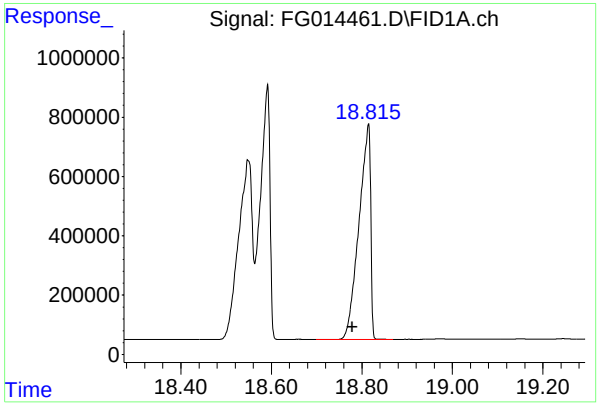
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.549 min
Delta R.T.: 0.028 min
Response: 12956528
Conc: 98.57 ug/ml



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

R.T.: 18.591 min
Delta R.T.: 0.028 min
Response: 12603686
Conc: 90.85 ug/ml m



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

R.T.: 18.813 min
Delta R.T.: 0.034 mi
Response: 12975069
Conc: 93.77 ug/m

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Instrument :
FID_G
LabSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10212
Data File : FG014461.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 19:11
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.640	4.572	4.695	BV	1239559	12446477	90.30%	4.622%
2	6.314	6.242	6.344	BV	1352327	13219656	95.91%	4.909%
3	7.414	7.335	7.442	VV	1312809	13436105	97.48%	4.989%
4	8.041	7.955	8.102	BB	1129896	11445142	83.03%	4.250%
5	8.720	8.672	8.789	BB	1236541	13296506	96.46%	4.938%
6	8.919	8.839	8.979	BV	761684	7906331	57.36%	2.936%
7	9.022	8.979	9.085	VB	1192540	13272778	96.29%	4.929%
8	9.813	9.739	9.855	BB	1157822	13245341	96.09%	4.919%
9	11.223	11.119	11.254	BV	1083829	13458381	97.64%	4.998%
10	11.301	11.254	11.345	PV	1125405	12748608	92.49%	4.734%
11	11.993	11.842	12.059	BB	1151063	13392311	97.16%	4.973%
12	13.050	13.005	13.112	VB	1019981	13469156	97.72%	5.002%
13	13.350	13.285	13.373	BV	1015028	13415461	97.33%	4.982%
14	15.232	15.142	15.250	BV	884552	13315853	96.60%	4.945%
15	15.281	15.250	15.352	VB	1072612	13441483	97.51%	4.991%
16	16.794	16.695	16.809	BV	814028	13784033	100.00%	5.119%
17	16.832	16.809	16.857	VV	936456	12533983	90.93%	4.654%
18	17.178	17.039	17.229	BV	833159	13241162	96.06%	4.917%
19	18.549	18.472	18.564	BV	606070	12956528	94.00%	4.811%
20	18.590	18.564	18.620	VV	880145	12293534	89.19%	4.565%
21	18.813	18.699	18.869	BB	706920	12975069	94.13%	4.818%
			Sum of corrected areas:			269293897		

Aromatic EPH 102124.M Tue Oct 22 04:43:13 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014462.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 19:40
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 22 04:31:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
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...	8.038	6241660	49.187 ug/ml
Spiked Amount	50.000		Recovery =	98.37%
6) S	2-Flurobiphenyl (SURR)	8.914	4300888	49.347 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	98.69%
11) S	ortho-Terphenyl (SURR)	11.988	7341257	49.126 ug/ml
Spiked Amount	50.000		Recovery =	98.25%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.637	6771203	49.072 ug/ml
2) T	Naphthalene (C11.7)	6.311	7173438	49.215 ug/ml
3) T	2-Methylnaphthalene (...	7.410	7298760	49.211 ug/ml
5) T	Acenaphthylene (C15.06)	8.715	7231407	49.167 ug/ml
7) T	Acenaphthene (C15.5)	9.017	7215688	49.289 ug/ml
8) T	Flouorene (C16.55)	9.807	7204776	49.224 ug/ml
9) T	Phenanthrene (C19.36)	11.216	7299515	49.126 ug/ml
10) T	Anthracene (C19.43)	11.292	6933076	48.938 ug/ml
12) T	Fluoranthene (C21.85)	13.041	7271122	48.818 ug/ml
13) T	Pyrene (C20.8)	13.341	7222599	48.793 ug/ml
14) T	Benzo[a]anthracene (C...	15.223	7036941	48.363 ug/ml
15) T	Chrysene (C27.41)	15.269	7110199	48.238 ug/ml
16) T	benzo[b]fluoranthene ...	16.781	7087157	48.293 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.817	6568945	47.740 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.165	6826610	47.963 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.534	6400457	48.693 ug/ml
20) T	Dibenz[a,h]anthracene...	18.575	6558753	47.276 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.794	6651863	48.072 ug/ml

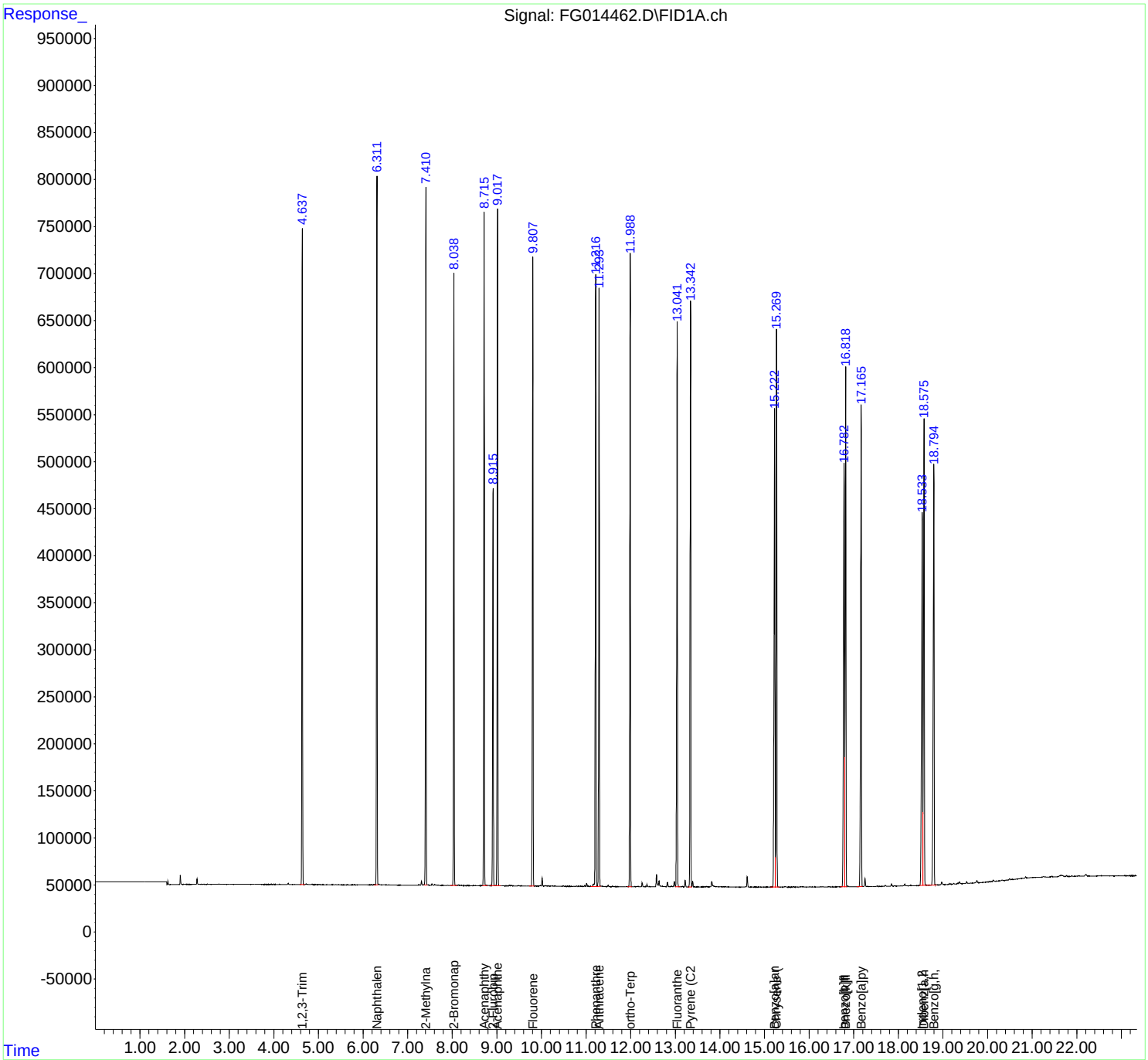
(f)=RT Delta > 1/2 Window (m)=manual int.

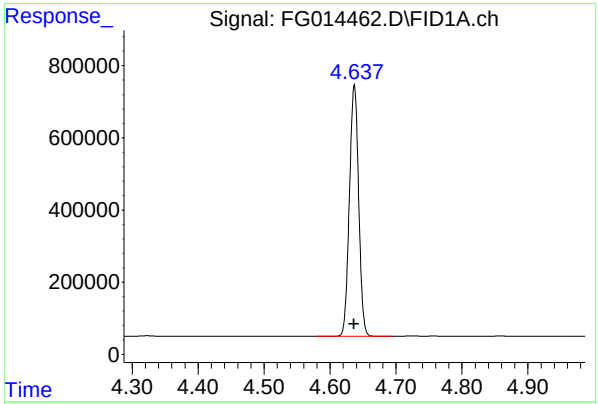
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014462.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 19:40
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 22 04:31:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

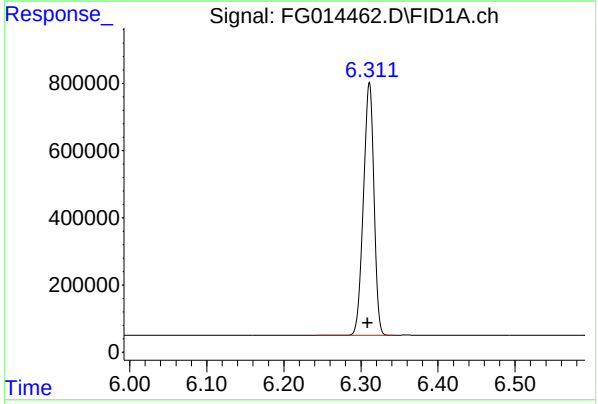




#1 1,2,3-Trimethylbenzene (C10.1)

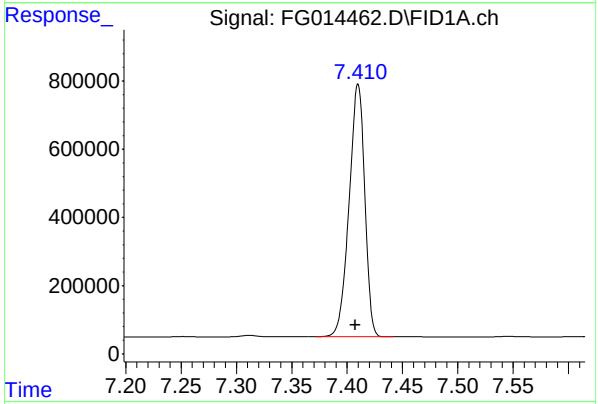
R.T.: 4.637 min
Delta R.T.: 0.000 min
Response: 6771203
Conc: 49.07 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



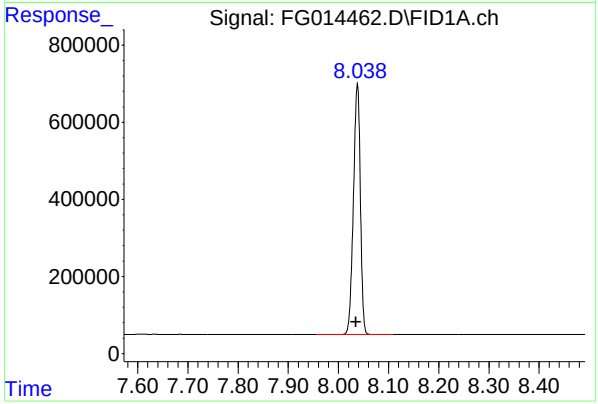
#2 Naphthalene (C11.7)

R.T.: 6.311 min
Delta R.T.: 0.002 min
Response: 7173438
Conc: 49.21 ug/ml



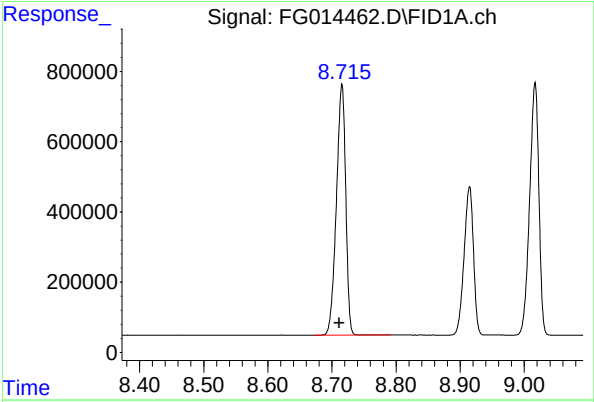
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.410 min
Delta R.T.: 0.002 min
Response: 7298760
Conc: 49.21 ug/ml



#4 2-Bromonaphthalene (SURR)

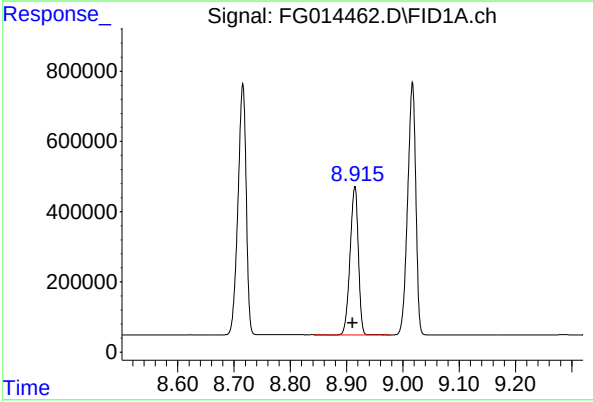
R.T.: 8.038 min
Delta R.T.: 0.002 min
Response: 6241660
Conc: 49.19 ug/ml



#5 Acenaphthylene (C15.06)

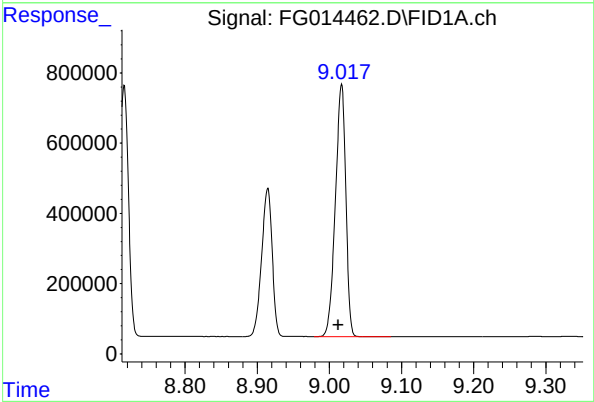
R.T.: 8.715 min
Delta R.T.: 0.004 min
Response: 7231407
Conc: 49.17 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



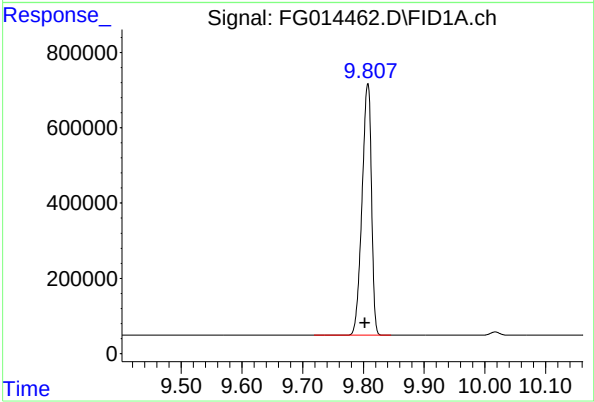
#6 2-Flurobiphenyl (SURR)

R.T.: 8.914 min
Delta R.T.: 0.003 min
Response: 4300888
Conc: 49.35 ug/ml



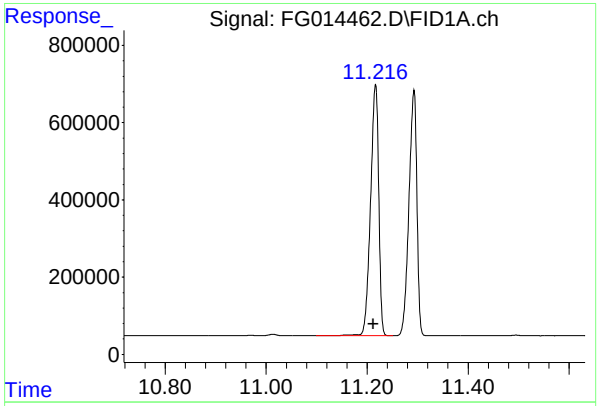
#7 Acenaphthene (C15.5)

R.T.: 9.017 min
Delta R.T.: 0.004 min
Response: 7215688
Conc: 49.29 ug/ml



#8 Flouorene (C16.55)

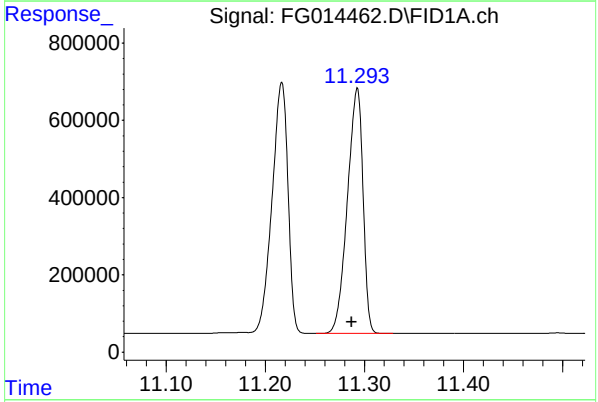
R.T.: 9.807 min
Delta R.T.: 0.004 min
Response: 7204776
Conc: 49.22 ug/ml



#9 Phenanthrene (C19.36)

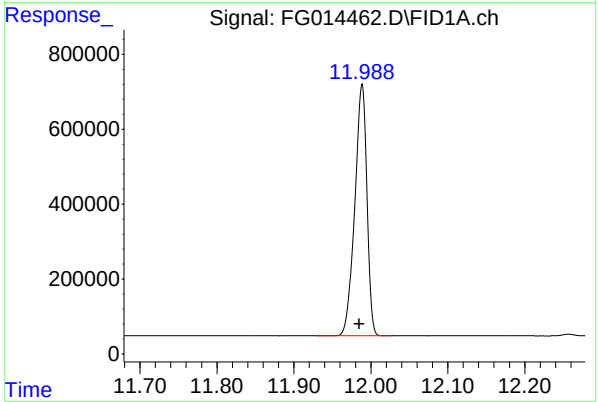
R.T.: 11.216 min
Delta R.T.: 0.004 min
Response: 7299515
Conc: 49.13 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



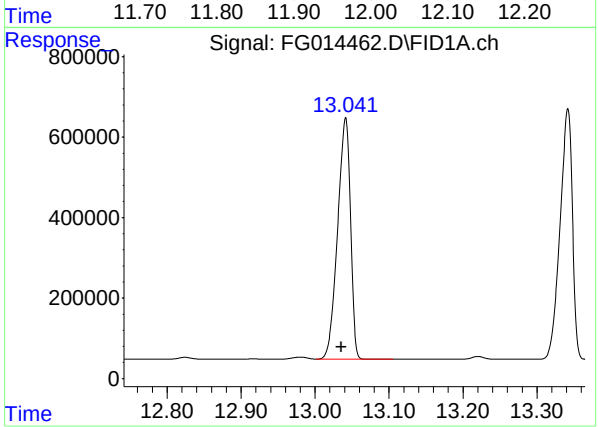
#10 Anthracene (C19.43)

R.T.: 11.292 min
Delta R.T.: 0.005 min
Response: 6933076
Conc: 48.94 ug/ml



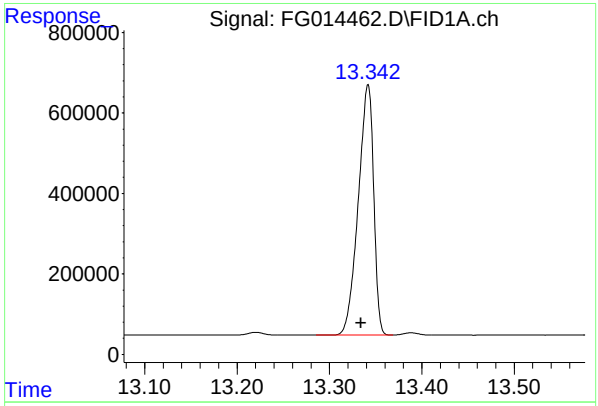
#11 ortho-Terphenyl (SURR)

R.T.: 11.988 min
Delta R.T.: 0.003 min
Response: 7341257
Conc: 49.13 ug/ml



#12 Fluoranthene (C21.85)

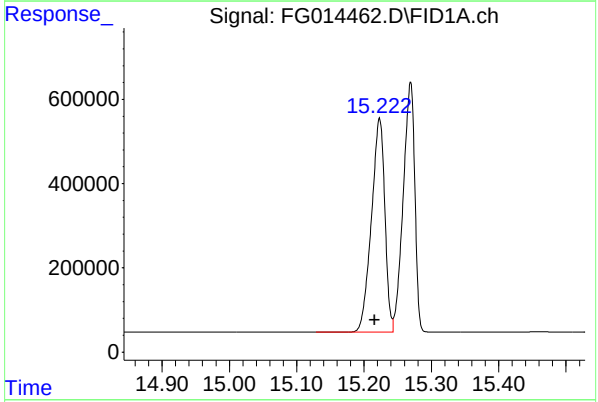
R.T.: 13.041 min
Delta R.T.: 0.005 min
Response: 7271122
Conc: 48.82 ug/ml



#13 Pyrene (C20.8)

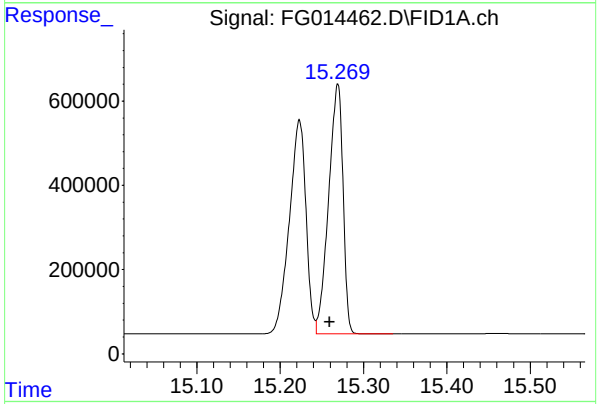
R.T.: 13.341 min
Delta R.T.: 0.007 min
Response: 7222599
Conc: 48.79 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



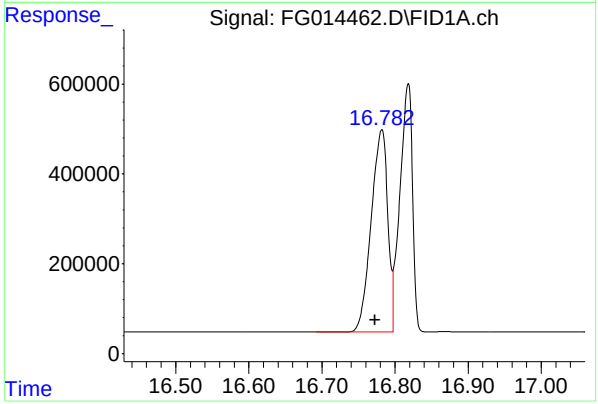
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.223 min
Delta R.T.: 0.007 min
Response: 7036941
Conc: 48.36 ug/ml



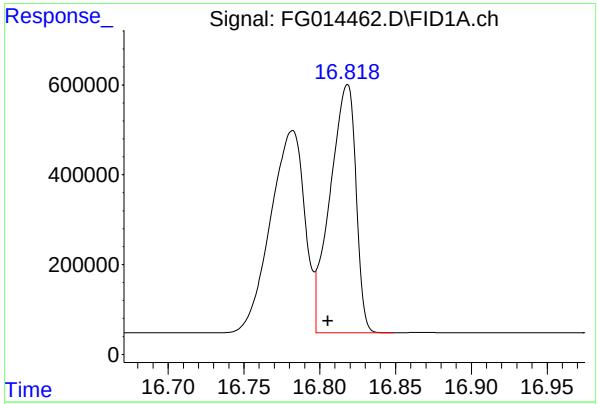
#15 Chrysene (C27.41)

R.T.: 15.269 min
Delta R.T.: 0.009 min
Response: 7110199
Conc: 48.24 ug/ml



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

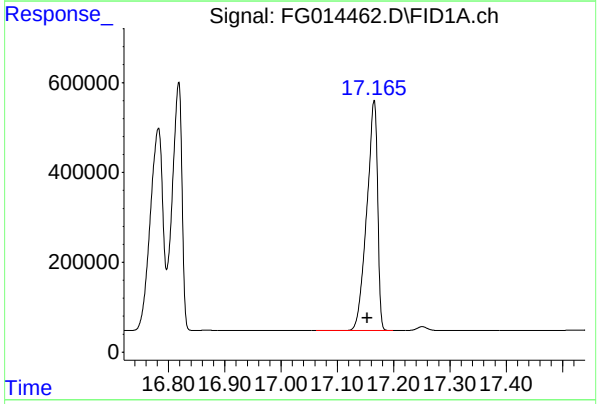
R.T.: 16.781 min
Delta R.T.: 0.009 min
Response: 7087157
Conc: 48.29 ug/ml



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

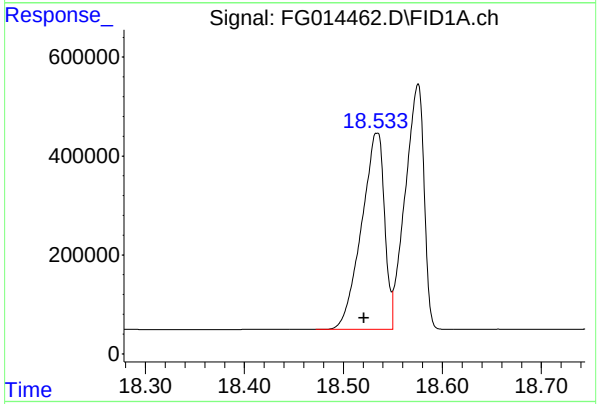
R.T.: 16.817 min
Delta R.T.: 0.012 min
Response: 6568945
Conc: 47.74 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



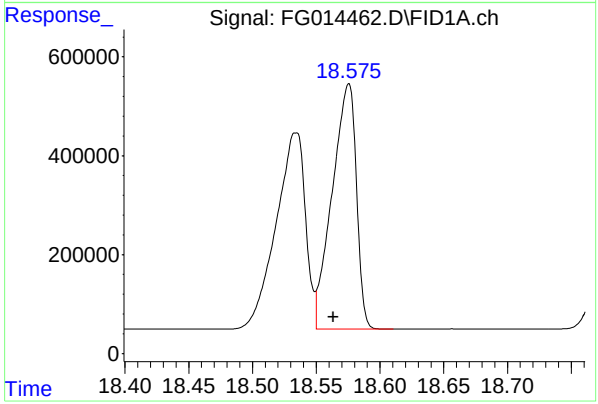
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.165 min
Delta R.T.: 0.012 min
Response: 6826610
Conc: 47.96 ug/ml



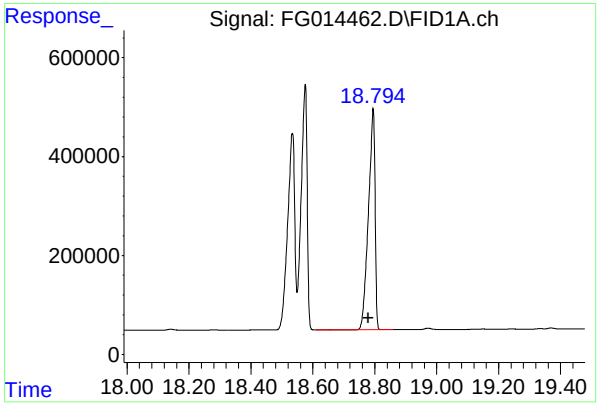
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.534 min
Delta R.T.: 0.013 min
Response: 6400457
Conc: 48.69 ug/ml



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

R.T.: 18.575 min
Delta R.T.: 0.011 min
Response: 6558753
Conc: 47.28 ug/ml



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

R.T.: 18.794 min
Delta R.T.: 0.016 mi
Response: 6651863
Conc: 48.07 ug/m

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014462.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 19:40
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.637	4.579	4.695	BV	692327	6771203	92.23%	4.711%
2	6.311	6.242	6.342	BV	757354	7173438	97.71%	4.990%
3	7.410	7.372	7.442	BV	738772	7298760	99.42%	5.078%
4	8.038	7.955	8.109	BB	654474	6241660	85.02%	4.342%
5	8.715	8.672	8.792	BB	716072	7231407	98.50%	5.031%
6	8.914	8.842	8.979	BB	426575	4300888	58.59%	2.992%
7	9.017	8.979	9.085	BB	711791	7215688	98.29%	5.020%
8	9.807	9.719	9.845	BB	666681	7204776	98.14%	5.012%
9	11.216	11.099	11.251	BV	647943	7299515	99.43%	5.078%
10	11.292	11.251	11.329	PV	633483	6933076	94.44%	4.823%
11	11.988	11.929	12.029	BB	675595	7341257	100.00%	5.107%
12	13.041	13.001	13.105	VB	606453	7271122	99.04%	5.058%
13	13.341	13.285	13.369	BV	628144	7222599	98.38%	5.025%
14	15.223	15.129	15.243	BV	506987	7036941	95.85%	4.895%
15	15.269	15.243	15.335	VB	594852	7110199	96.85%	4.946%
16	16.781	16.692	16.797	BV	452330	7087157	96.54%	4.930%
17	16.817	16.797	16.848	VV	562743	6568945	89.48%	4.570%
18	17.165	17.062	17.199	BB	515584	6826610	92.99%	4.749%
19	18.534	18.472	18.550	BV	399735	6400457	87.18%	4.453%
20	18.575	18.550	18.610	VV	500343	6558753	89.34%	4.563%
21	18.794	18.610	18.859	VB	451249	6651863	90.61%	4.628%

Sum of corrected areas: 143746314

Aromatic EPH 102124.M Tue Oct 22 04:43:42 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014463.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 20:09
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 22 04:31:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
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...	8.035	2537923	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.911	1743127	20.000 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%
11) S	ortho-Terphenyl (SURR)	11.985	2988773	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.636	2759710	20.000 ug/ml
2) T	Naphthalene (C11.7)	6.309	2915158	20.000 ug/ml
3) T	2-Methylnaphthalene (...	7.407	2966297	20.000 ug/ml
5) T	Acenaphthylene (C15.06)	8.712	2941563	20.000 ug/ml
7) T	Acenaphthene (C15.5)	9.013	2927901	20.000 ug/ml
8) T	Flouorene (C16.55)	9.803	2927350	20.000 ug/ml
9) T	Phenanthrene (C19.36)	11.212	2971764	20.000 ug/ml
10) T	Anthracene (C19.43)	11.287	2833424	20.000 ug/ml
12) T	Fluoranthene (C21.85)	13.036	2978864	20.000 ug/ml
13) T	Pyrene (C20.8)	13.334	2960529	20.000 ug/ml
14) T	Benzo[a]anthracene (C...	15.216	2910060	20.000 ug/ml
15) T	Chrysene (C27.41)	15.259	2947985	20.000 ug/ml
16) T	benzo[b]fluoranthene ...	16.773	2935039	20.000 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.805	2751941	20.000 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.153	2846631	20.000 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.521	2628924	20.000 ug/ml
20) T	Dibenz[a,h]anthracene...	18.563	2774674	20.000 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.779	2767473	20.000 ug/ml

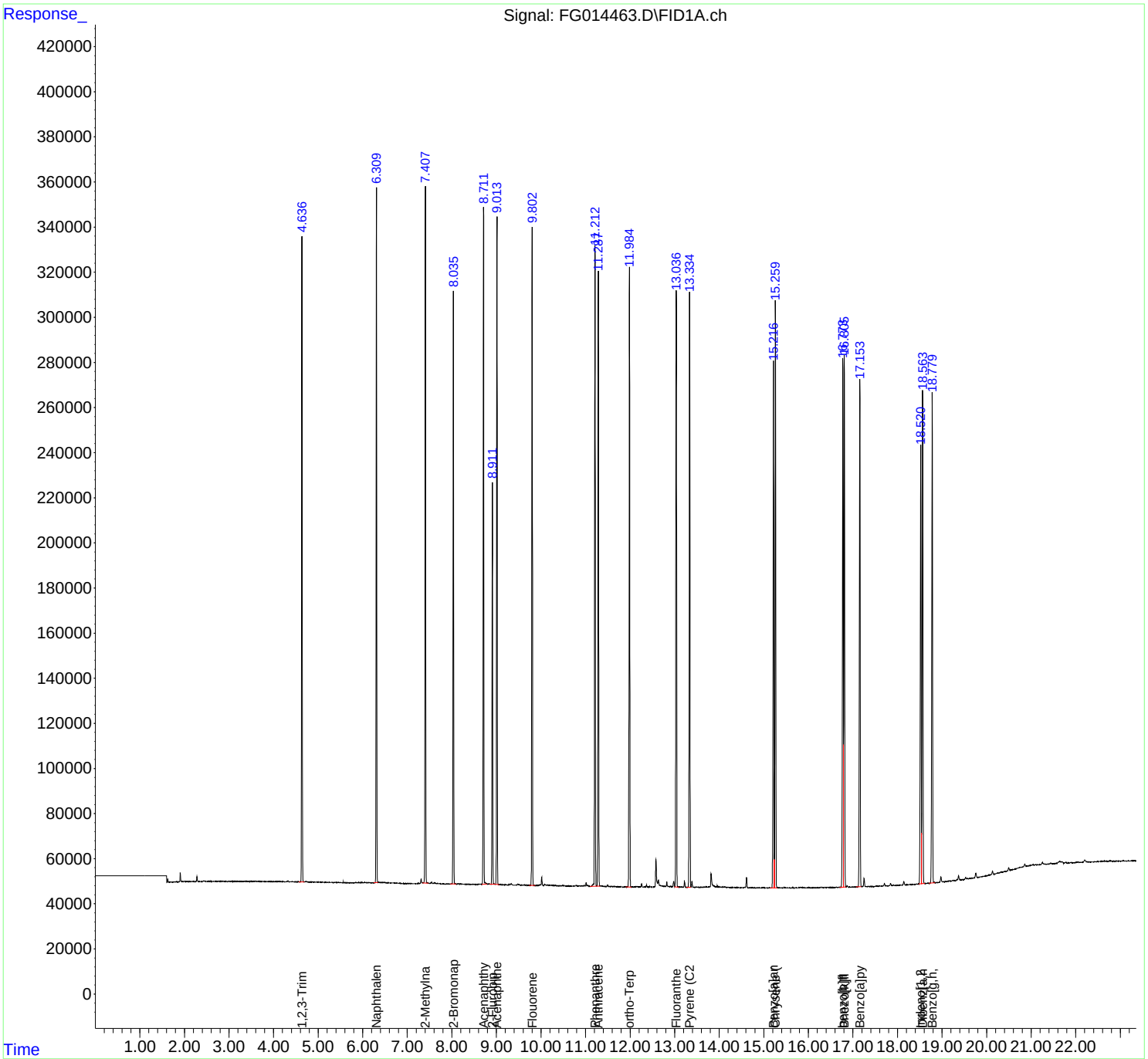
(f)=RT Delta > 1/2 Window (m)=manual int.

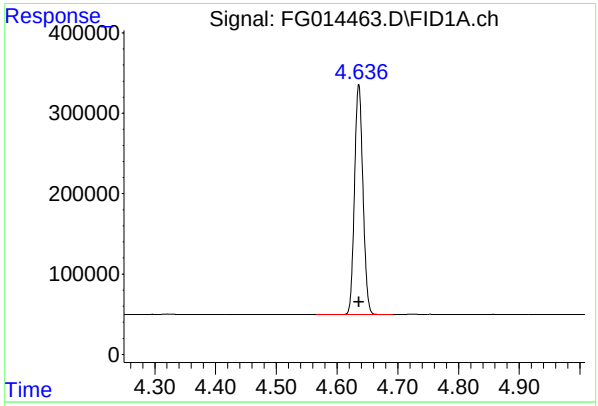
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014463.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 20:09
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 22 04:31:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

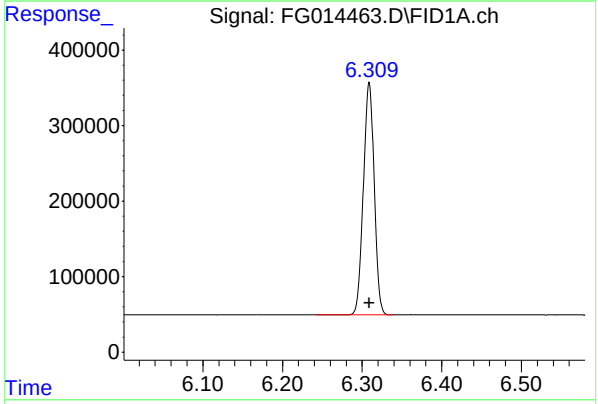




#1 1,2,3-Trimethylbenzene (C10.1)

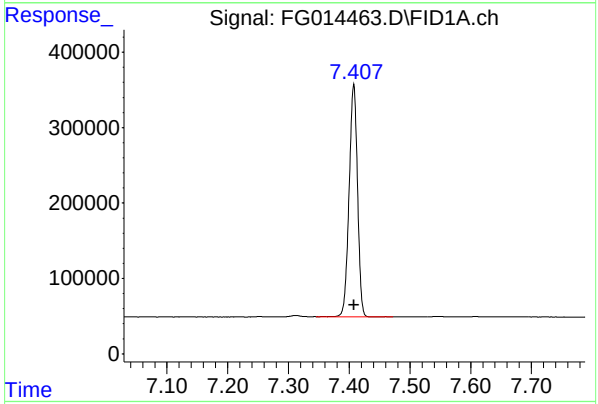
R.T.: 4.636 min
Delta R.T.: 0.000 min
Response: 2759710
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



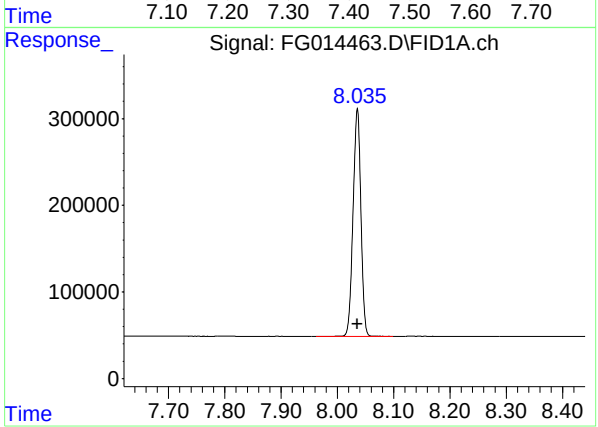
#2 Naphthalene (C11.7)

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 2915158
Conc: 20.00 ug/ml



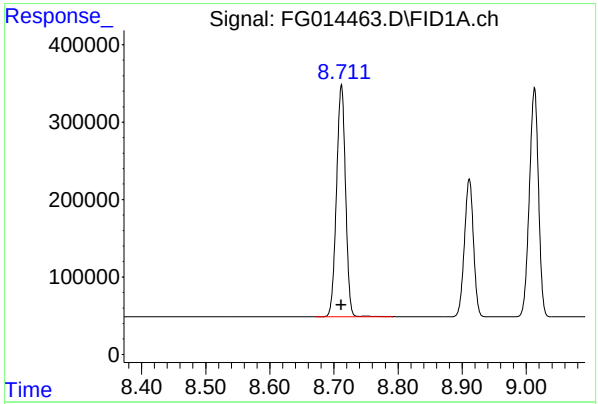
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.407 min
Delta R.T.: 0.000 min
Response: 2966297
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

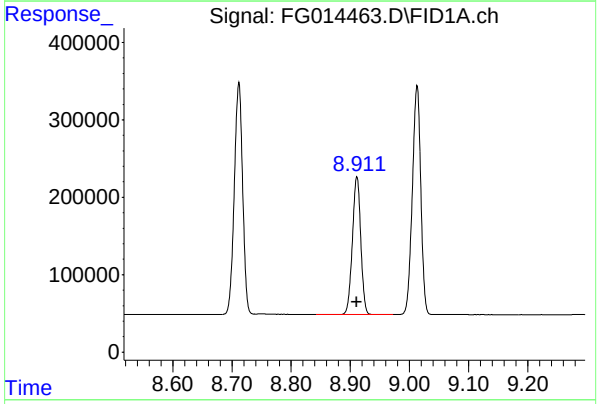
R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 2537923
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

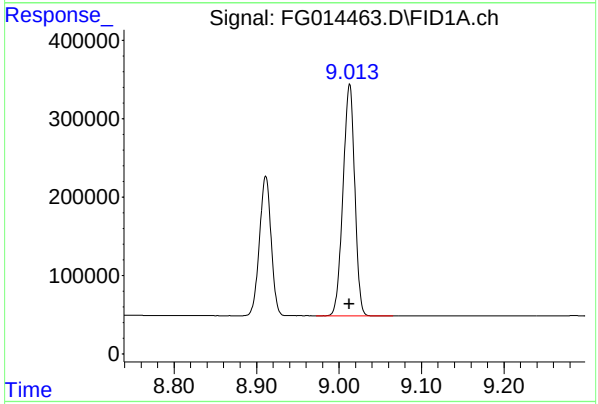
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 2941563
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



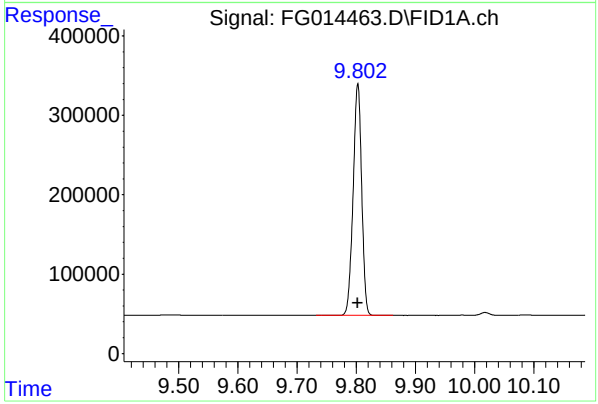
#6 2-Flurobiphenyl (SURR)

R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 1743127
Conc: 20.00 ug/ml



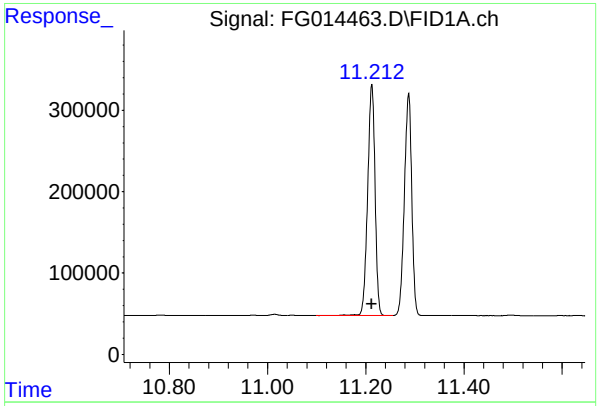
#7 Acenaphthene (C15.5)

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 2927901
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

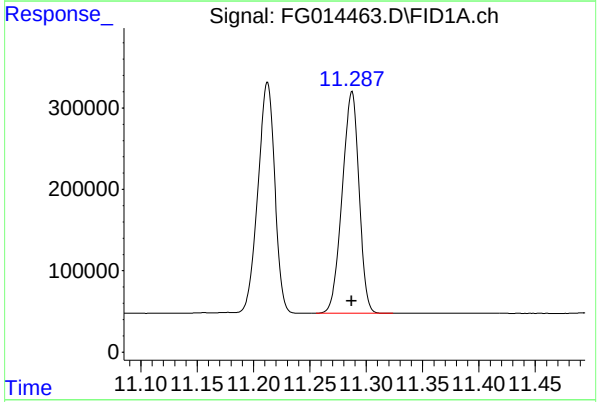
R.T.: 9.803 min
Delta R.T.: 0.000 min
Response: 2927350
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

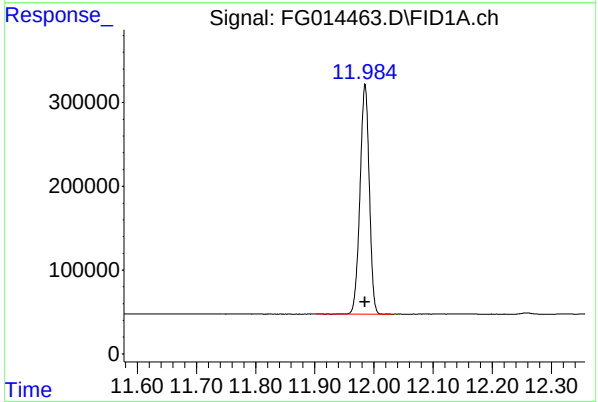
R.T.: 11.212 min
Delta R.T.: 0.000 min
Response: 2971764
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



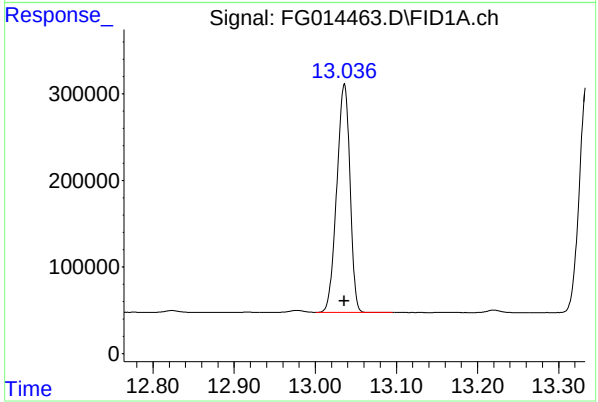
#10 Anthracene (C19.43)

R.T.: 11.287 min
Delta R.T.: 0.000 min
Response: 2833424
Conc: 20.00 ug/ml



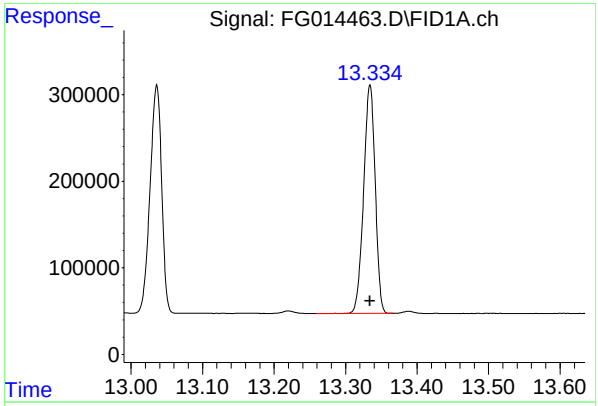
#11 ortho-Terphenyl (SURR)

R.T.: 11.985 min
Delta R.T.: 0.000 min
Response: 2988773
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

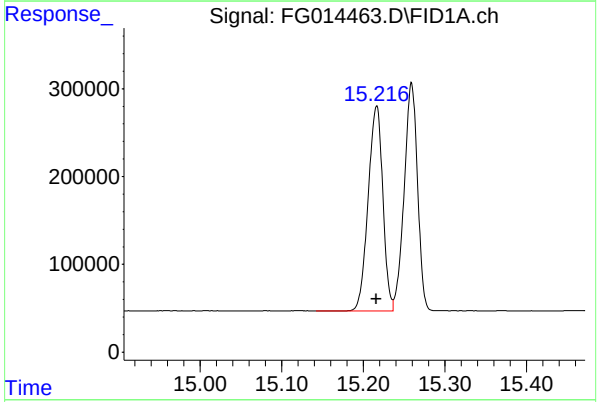
R.T.: 13.036 min
Delta R.T.: 0.000 min
Response: 2978864
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

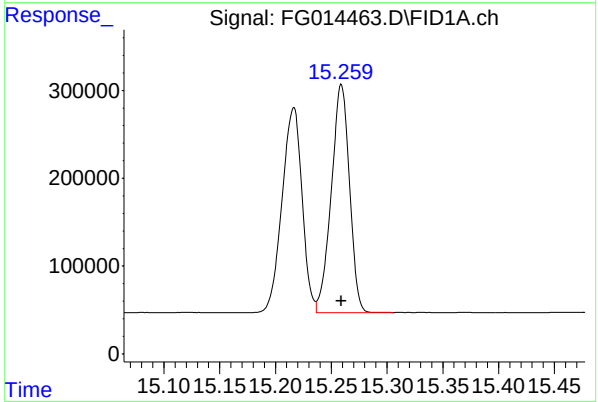
R.T.: 13.334 min
Delta R.T.: 0.000 min
Response: 2960529
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



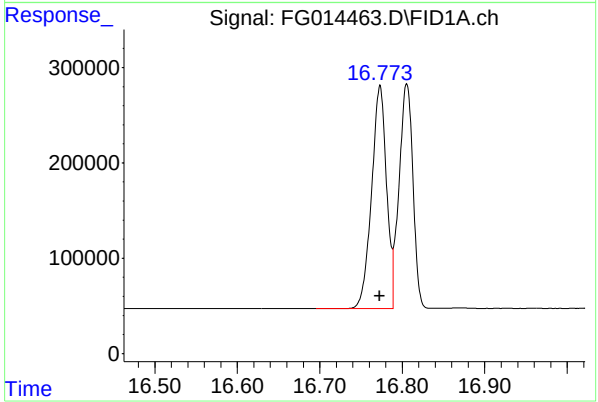
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.216 min
Delta R.T.: 0.000 min
Response: 2910060
Conc: 20.00 ug/ml



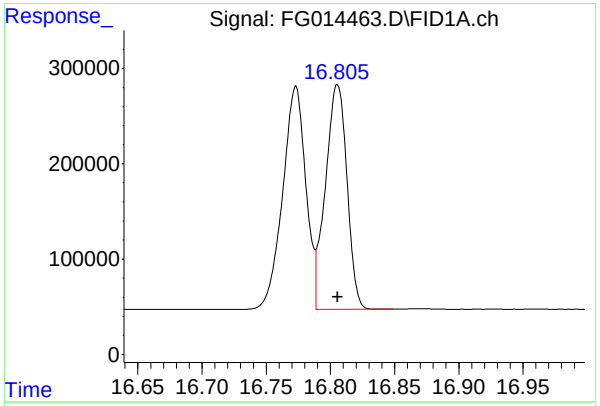
#15 Chrysene (C27.41)

R.T.: 15.259 min
Delta R.T.: 0.000 min
Response: 2947985
Conc: 20.00 ug/ml



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

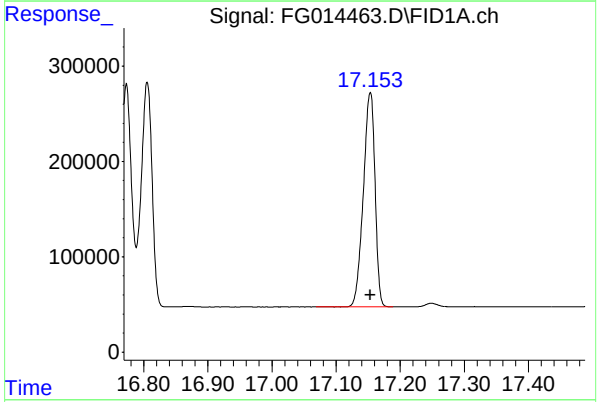
R.T.: 16.773 min
Delta R.T.: 0.000 min
Response: 2935039
Conc: 20.00 ug/ml



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

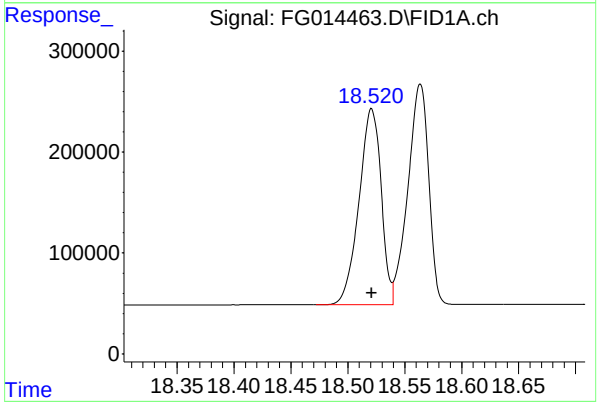
R.T.: 16.805 min
Delta R.T.: 0.000 mi
Response: 2751941
Conc: 20.00 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



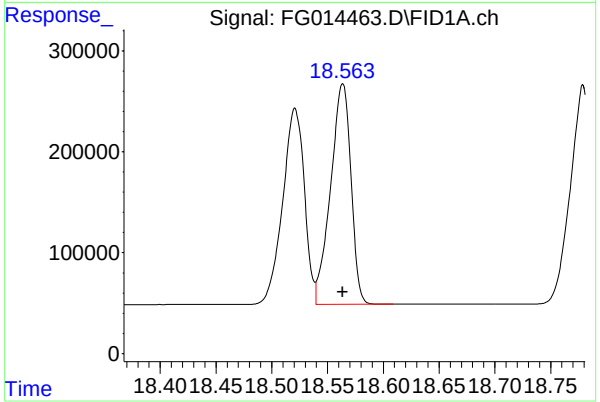
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.153 min
Delta R.T.: 0.000 min
Response: 2846631
Conc: 20.00 ug/ml



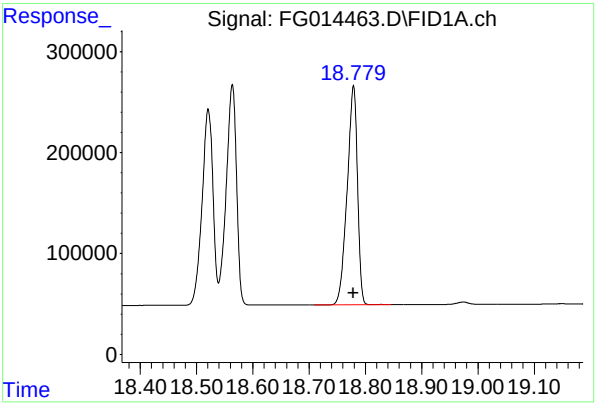
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.521 min
Delta R.T.: 0.000 min
Response: 2628924
Conc: 20.00 ug/ml



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

R.T.: 18.563 min
Delta R.T.: 0.000 min
Response: 2774674
Conc: 20.00 ug/ml



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

R.T.: 18.779 min
Delta R.T.: 0.000 mi
Response: 2767473
Conc: 20.00 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014463.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 20:09
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.636	4.565	4.692	BB	285554	2759710	92.34%	4.676%
2	6.309	6.242	6.339	BV	307625	2915158	97.54%	4.940%
3	7.407	7.345	7.472	BB	308976	2966297	99.25%	5.026%
4	8.035	7.962	8.099	BB	262845	2537923	84.92%	4.300%
5	8.712	8.672	8.792	BB	300430	2941563	98.42%	4.984%
6	8.911	8.842	8.972	BB	178294	1743127	58.32%	2.954%
7	9.013	8.972	9.065	BB	293778	2927901	97.96%	4.961%
8	9.803	9.732	9.862	BB	290616	2927350	97.94%	4.960%
9	11.212	11.099	11.255	BV	284243	2971764	99.43%	5.036%
10	11.287	11.255	11.324	VB	267981	2833424	94.80%	4.801%
11	11.985	11.902	12.032	BB	274425	2988773	100.00%	5.064%
12	13.036	13.001	13.095	VB	264050	2978864	99.67%	5.048%
13	13.334	13.259	13.366	BV	264318	2960529	99.05%	5.017%
14	15.216	15.142	15.236	BV	232392	2910060	97.37%	4.931%
15	15.259	15.236	15.305	VB	260119	2947985	98.64%	4.995%
16	16.773	16.695	16.789	BV	232663	2935039	98.20%	4.973%
17	16.805	16.789	16.849	VV	236186	2751941	92.08%	4.663%
18	17.153	17.069	17.189	BB	224675	2846631	95.24%	4.824%
19	18.521	18.472	18.540	BV	193168	2628924	87.96%	4.455%
20	18.563	18.540	18.609	VB	218489	2774674	92.84%	4.702%
21	18.779	18.709	18.845	BB	217825	2767473	92.60%	4.689%
			Sum of corrected areas:			59015111		

Aromatic EPH 102124.M Tue Oct 22 04:44:05 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014464.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 20:38
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 22 04:31:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
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...	8.035	1288399	10.153 ug/ml
Spiked Amount	50.000		Recovery =	20.31%
6) S	2-Flurobiphenyl (SURR)	8.910	883096	10.132 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	20.26%
11) S	ortho-Terphenyl (SURR)	11.984	1516598	10.149 ug/ml
Spiked Amount	50.000		Recovery =	20.30%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.637	1386579	10.049 ug/ml
2) T	Naphthalene (C11.7)	6.309	1468810	10.077 ug/ml
3) T	2-Methylnaphthalene (...	7.406	1497470	10.097 ug/ml
5) T	Acenaphthylene (C15.06)	8.711	1496000	10.171 ug/ml
7) T	Acenaphthene (C15.5)	9.011	1485183	10.145 ug/ml
8) T	Flouorene (C16.55)	9.801	1486301	10.155 ug/ml
9) T	Phenanthrene (C19.36)	11.210	1510285	10.164 ug/ml
10) T	Anthracene (C19.43)	11.285	1443473	10.189 ug/ml
12) T	Fluoranthene (C21.85)	13.033	1521234	10.214 ug/ml
13) T	Pyrene (C20.8)	13.332	1514851	10.234 ug/ml
14) T	Benzo[a]anthracene (C...	15.213	1497055	10.289 ug/ml
15) T	Chrysene (C27.41)	15.255	1519165	10.306 ug/ml
16) T	benzo[b]fluoranthene ...	16.769	1522637	10.376 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.801	1438990	10.458 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.148	1487369	10.450 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.516	1377258	10.478 ug/ml
20) T	Dibenz[a,h]anthracene...	18.559	1473248	10.619 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.772	1455003	10.515 ug/ml

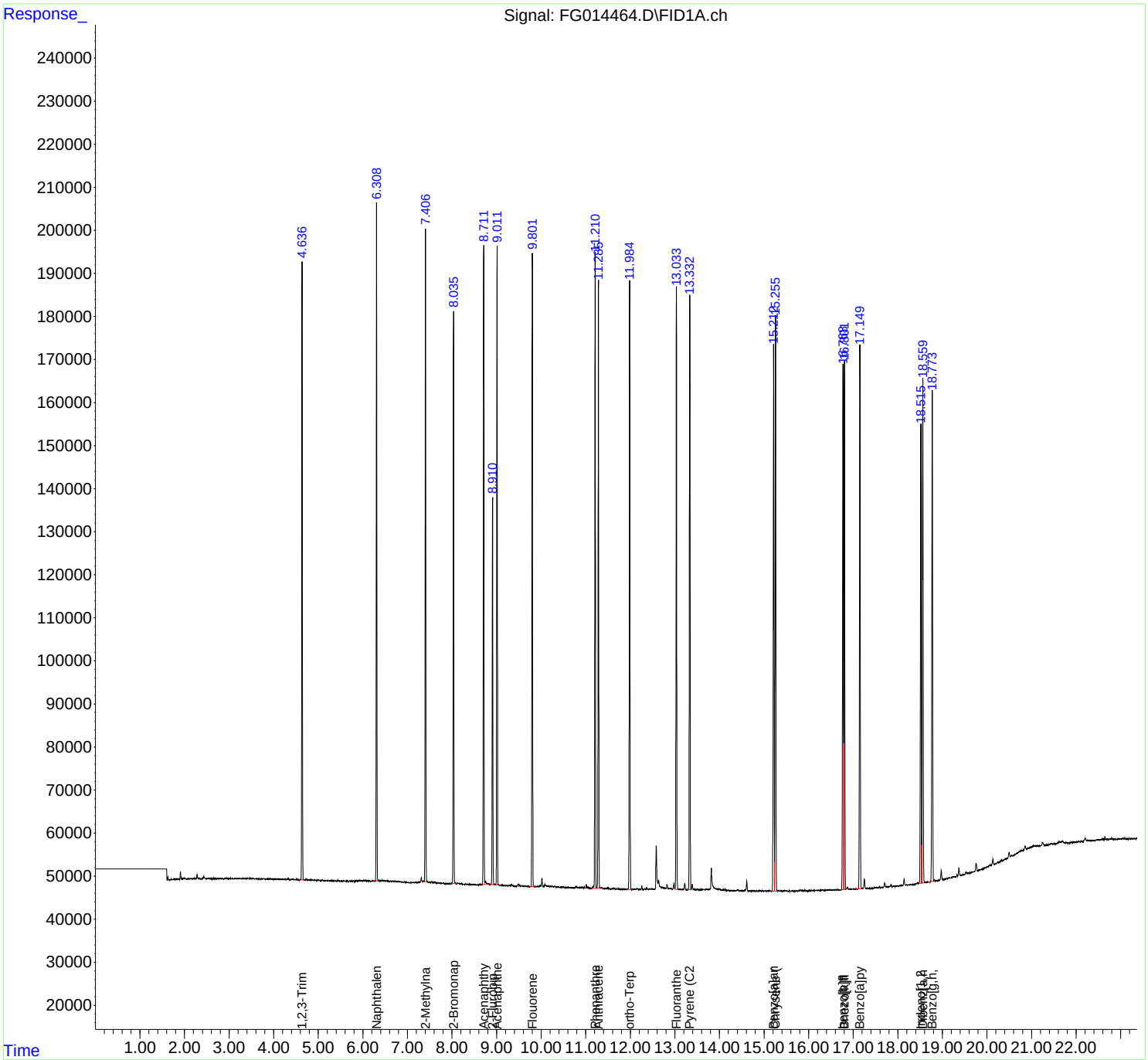
(f)=RT Delta > 1/2 Window (m)=manual int.

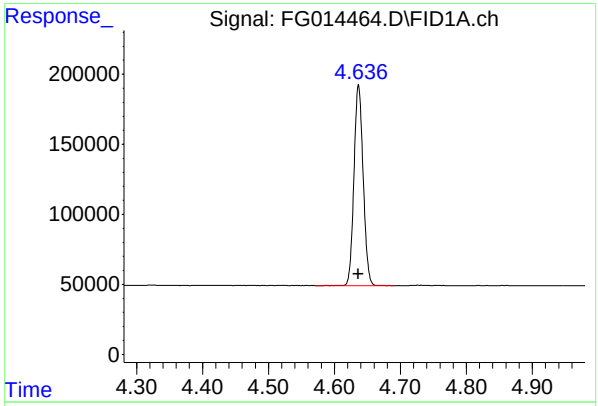
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014464.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 20:38
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 22 04:31:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

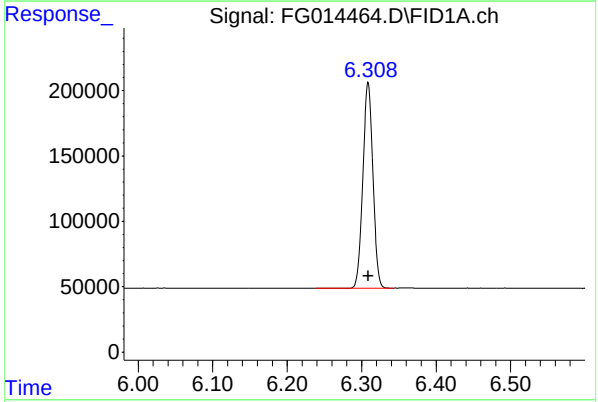




#1 1,2,3-Trimethylbenzene (C10.1)

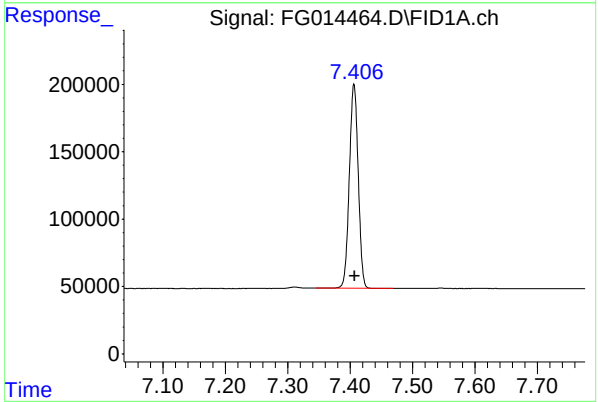
R.T.: 4.637 min
Delta R.T.: 0.000 min
Response: 1386579
Conc: 10.05 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



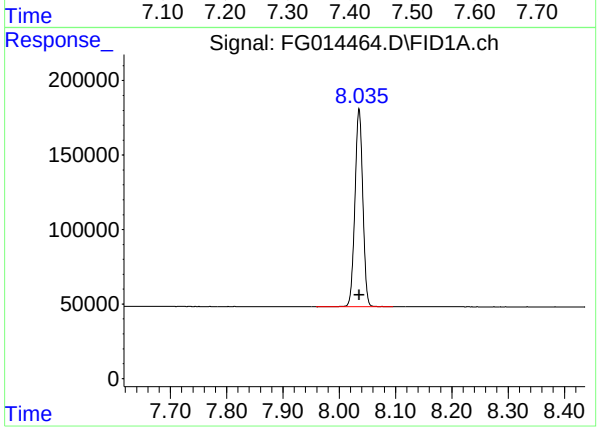
#2 Naphthalene (C11.7)

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 1468810
Conc: 10.08 ug/ml



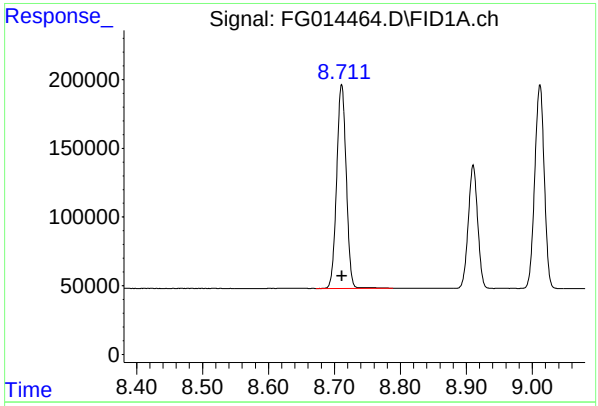
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.406 min
Delta R.T.: -0.001 min
Response: 1497470
Conc: 10.10 ug/ml



#4 2-Bromonaphthalene (SURR)

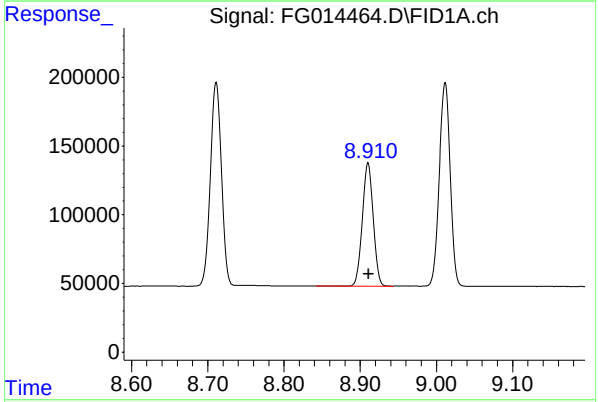
R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 1288399
Conc: 10.15 ug/ml



#5 Acenaphthylene (C15.06)

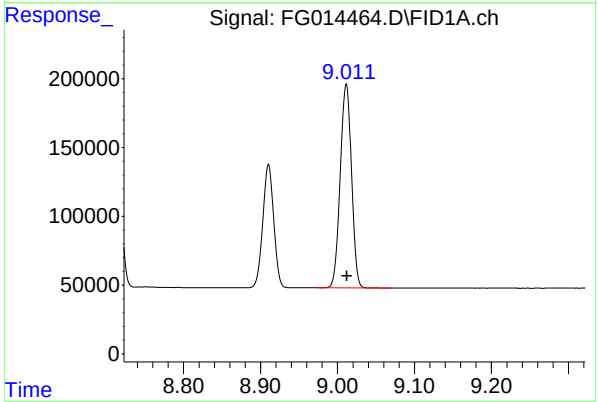
R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 1496000
Conc: 10.17 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



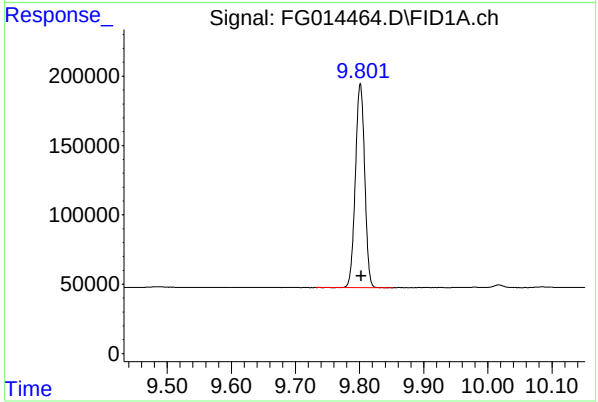
#6 2-Flurobiphenyl (SURR)

R.T.: 8.910 min
Delta R.T.: 0.000 min
Response: 883096
Conc: 10.13 ug/ml



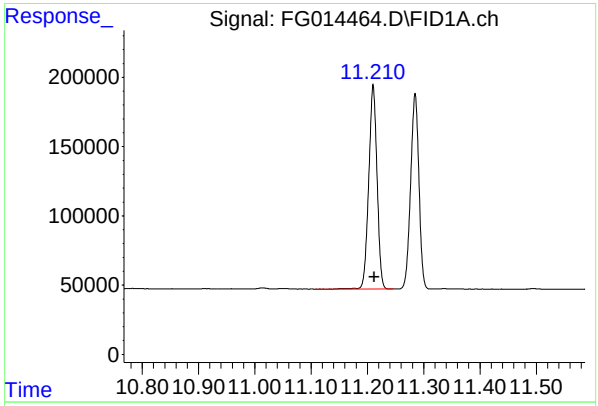
#7 Acenaphthene (C15.5)

R.T.: 9.011 min
Delta R.T.: -0.001 min
Response: 1485183
Conc: 10.15 ug/ml



#8 Flouorene (C16.55)

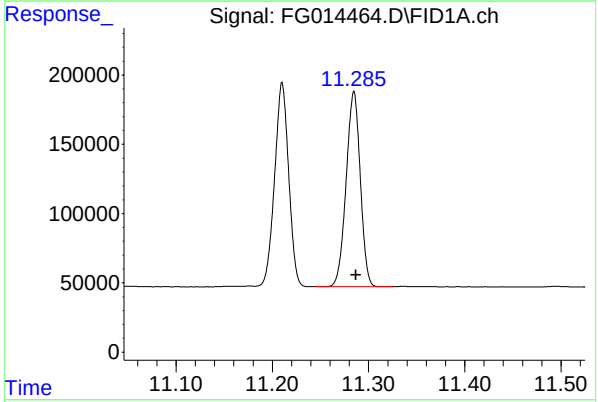
R.T.: 9.801 min
Delta R.T.: -0.001 min
Response: 1486301
Conc: 10.15 ug/ml



#9 Phenanthrene (C19.36)

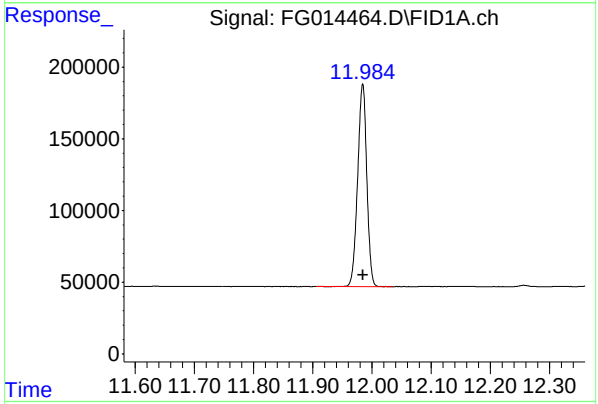
R.T.: 11.210 min
Delta R.T.: -0.002 min
Response: 1510285
Conc: 10.16 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



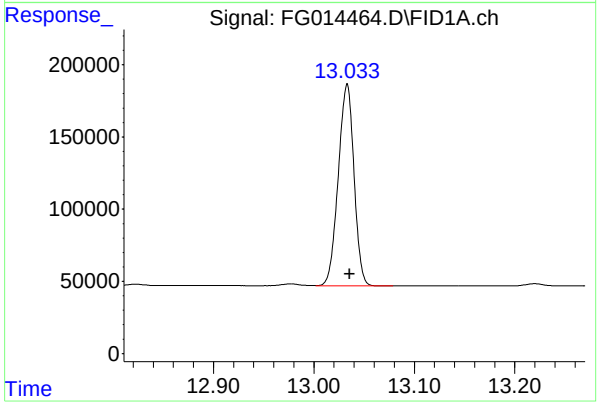
#10 Anthracene (C19.43)

R.T.: 11.285 min
Delta R.T.: -0.002 min
Response: 1443473
Conc: 10.19 ug/ml



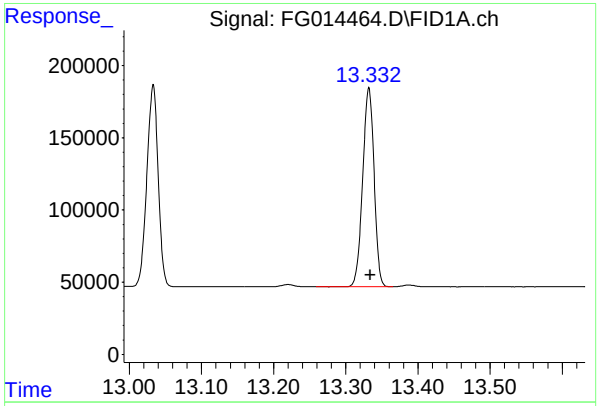
#11 ortho-Terphenyl (SURR)

R.T.: 11.984 min
Delta R.T.: 0.000 min
Response: 1516598
Conc: 10.15 ug/ml



#12 Fluoranthene (C21.85)

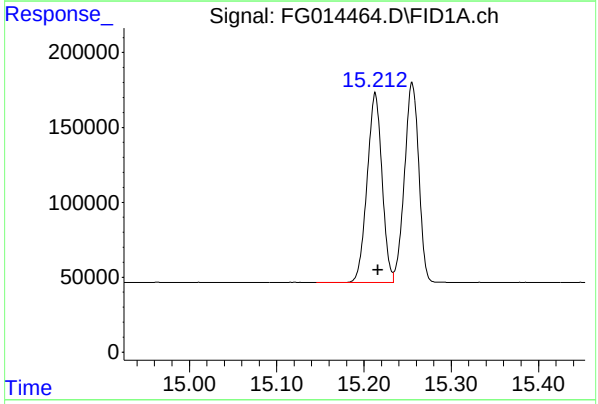
R.T.: 13.033 min
Delta R.T.: -0.003 min
Response: 1521234
Conc: 10.21 ug/ml



#13 Pyrene (C20.8)

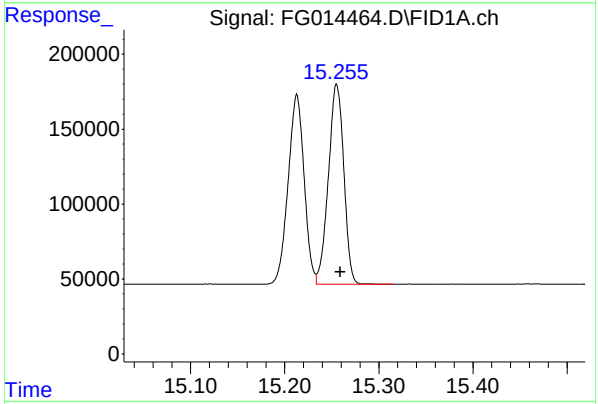
R.T.: 13.332 min
Delta R.T.: -0.002 min
Response: 1514851
Conc: 10.23 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



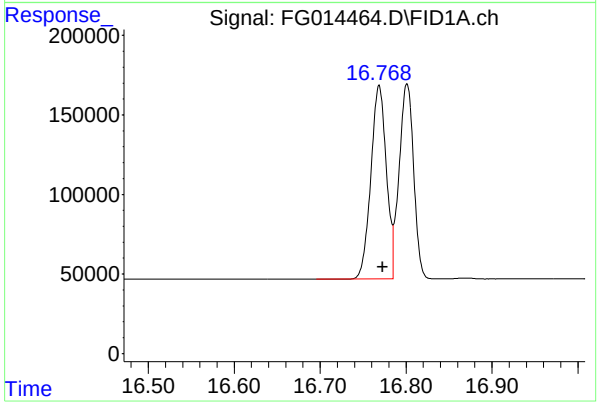
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.213 min
Delta R.T.: -0.003 min
Response: 1497055
Conc: 10.29 ug/ml



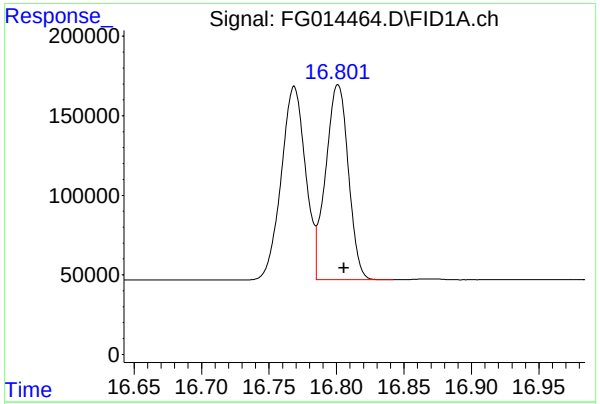
#15 Chrysene (C27.41)

R.T.: 15.255 min
Delta R.T.: -0.004 min
Response: 1519165
Conc: 10.31 ug/ml



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

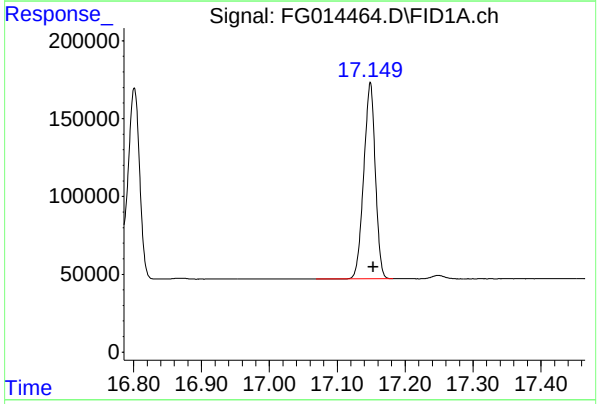
R.T.: 16.769 min
Delta R.T.: -0.004 min
Response: 1522637
Conc: 10.38 ug/ml



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

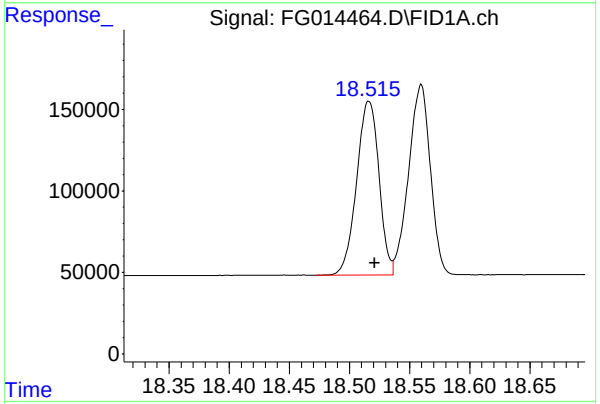
R.T.: 16.801 min
Delta R.T.: -0.004 min
Response: 1438990
Conc: 10.46 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



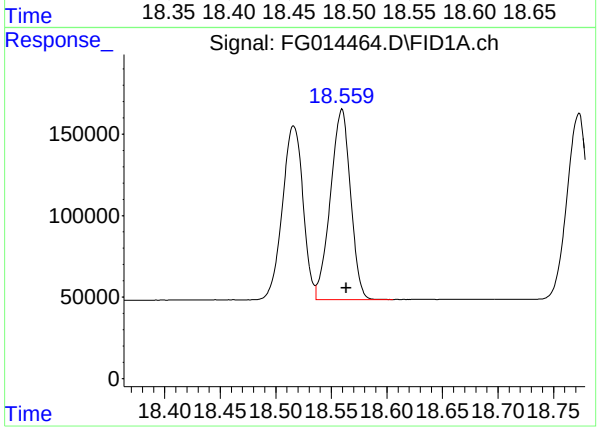
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.148 min
Delta R.T.: -0.005 min
Response: 1487369
Conc: 10.45 ug/ml



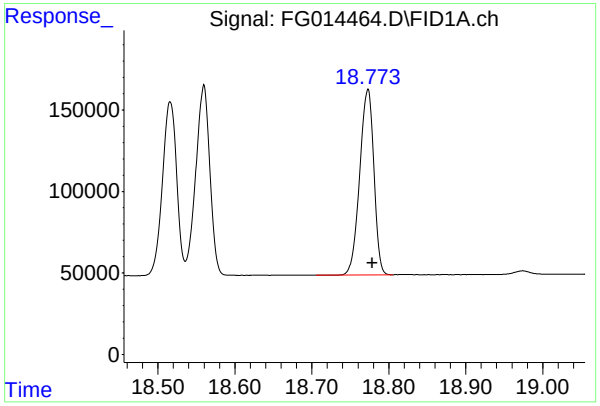
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.516 min
Delta R.T.: -0.005 min
Response: 1377258
Conc: 10.48 ug/ml



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

R.T.: 18.559 min
Delta R.T.: -0.004 min
Response: 1473248
Conc: 10.62 ug/ml



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

R.T.: 18.772 min
Delta R.T.: -0.006 mi
Response: 1455003
Conc: 10.52 ug/m

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014464.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 20:38
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.637	4.572	4.689	BB	142815	1386579	91.06%	4.581%
2	6.309	6.239	6.342	BB	157089	1468810	96.46%	4.853%
3	7.406	7.345	7.469	BB	151041	1497470	98.35%	4.947%
4	8.035	7.959	8.095	BB	132699	1288399	84.62%	4.256%
5	8.711	8.672	8.789	BB	148018	1496000	98.25%	4.942%
6	8.910	8.842	8.943	BB	88921	883096	58.00%	2.917%
7	9.011	8.972	9.072	BB	148784	1485183	97.54%	4.907%
8	9.801	9.732	9.852	BB	146620	1486301	97.61%	4.910%
9	11.210	11.109	11.245	BV	145931	1510285	99.19%	4.990%
10	11.285	11.245	11.325	VV	141371	1443473	94.80%	4.769%
11	11.984	11.905	12.035	BB	142098	1516598	99.60%	5.010%
12	13.033	13.002	13.079	VB	138369	1521234	99.91%	5.026%
13	13.332	13.259	13.365	BV	137813	1514851	99.49%	5.005%
14	15.213	15.145	15.234	BV	125888	1497055	98.32%	4.946%
15	15.255	15.234	15.315	VB	133317	1519165	99.77%	5.019%
16	16.769	16.695	16.785	BV	121589	1522637	100.00%	5.030%
17	16.801	16.785	16.842	VV	122931	1438990	94.51%	4.754%
18	17.149	17.069	17.182	BB	126389	1487369	97.68%	4.914%
19	18.516	18.472	18.536	BV	106959	1377258	90.45%	4.550%
20	18.559	18.536	18.605	VB	116129	1473248	96.76%	4.867%
21	18.772	18.705	18.805	BB	113546	1455003	95.56%	4.807%
			Sum of corrected areas:			30269006		

Aromatic EPH 102124.M Tue Oct 22 04:44:20 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014465.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 21:06
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 22 04:31:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
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...	8.035	663278	5.227 ug/ml
Spiked Amount	50.000		Recovery =	10.45%
6) S	2-Flurobiphenyl (SURR)	8.910	450642	5.170 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	10.34%
11) S	ortho-Terphenyl (SURR)	11.982	792217	5.301 ug/ml
Spiked Amount	50.000		Recovery =	10.60%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.637	704542	5.106 ug/ml
2) T	Naphthalene (C11.7)	6.309	746066	5.119 ug/ml
3) T	2-Methylnaphthalene (...	7.406	759174	5.119 ug/ml
5) T	Acenaphthylene (C15.06)	8.710	768511	5.225 ug/ml
7) T	Acenaphthene (C15.5)	9.010	758157	5.179 ug/ml
8) T	Flouorene (C16.55)	9.800	764083	5.220 ug/ml
9) T	Phenanthrene (C19.36)	11.209	778745	5.241 ug/ml
10) T	Anthracene (C19.43)	11.283	744946	5.258 ug/ml
12) T	Fluoranthene (C21.85)	13.032	791432	5.314 ug/ml
13) T	Pyrene (C20.8)	13.331	784846	5.302 ug/ml
14) T	Benzo[a]anthracene (C...	15.209	774953	5.326 ug/ml
15) T	Chrysene (C27.41)	15.252	787444	5.342 ug/ml
16) T	benzo[b]fluoranthene ...	16.766	783999	5.342 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.797	745122	5.415 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.145	765302	5.377 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.513	703096	5.349 ug/ml
20) T	Dibenz[a,h]anthracene...	18.555	772449	5.568 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.767	744897	5.383 ug/ml

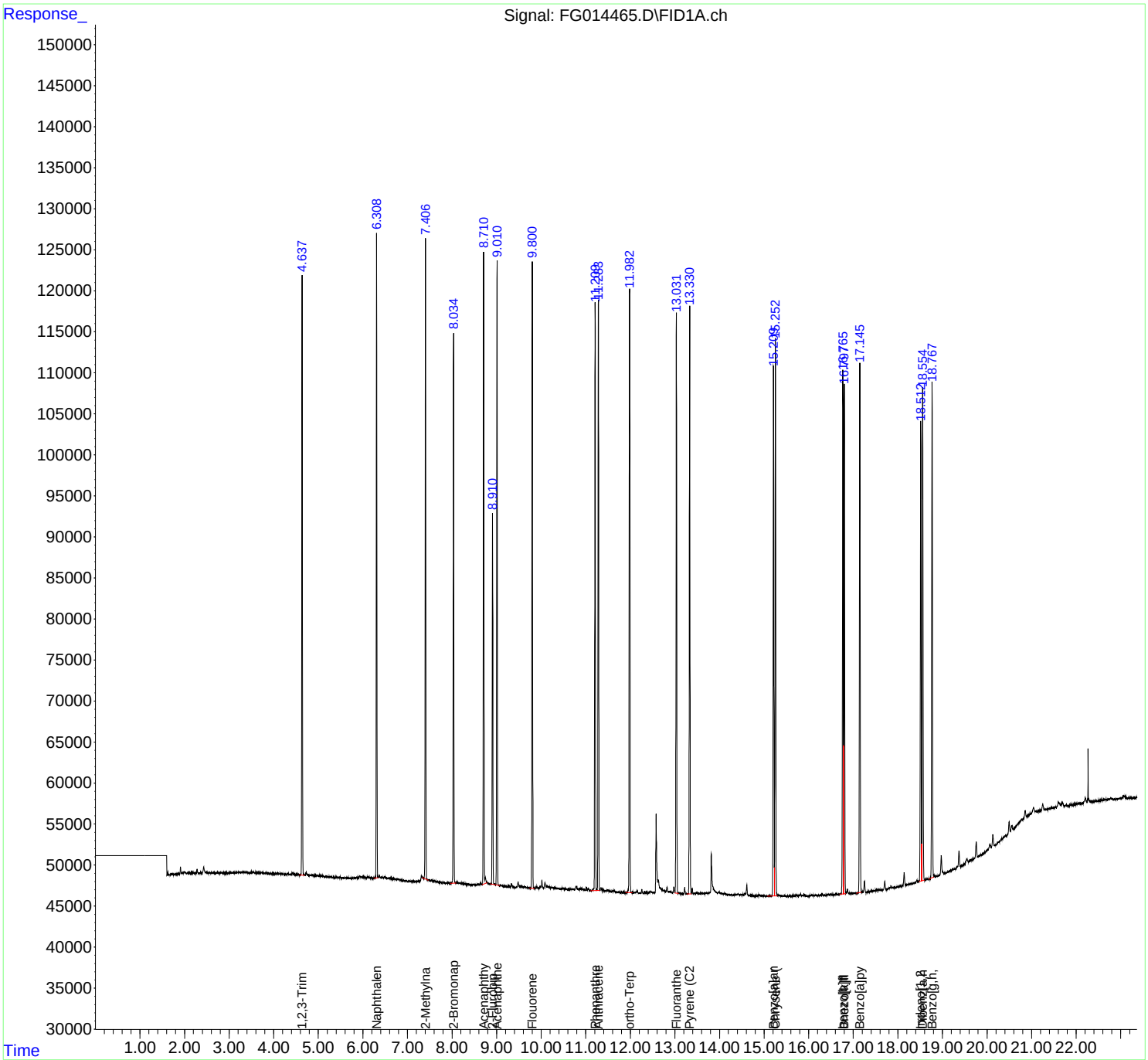
(f)=RT Delta > 1/2 Window (m)=manual int.

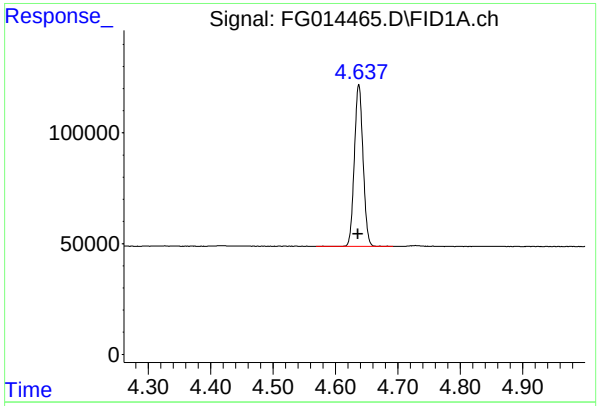
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014465.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 21:06
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 22 04:31:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:30:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

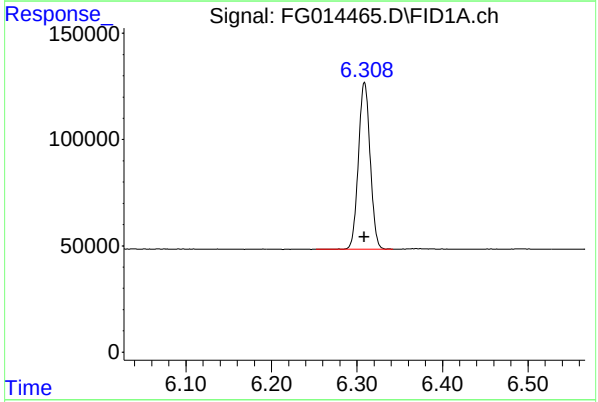




#1 1,2,3-Trimethylbenzene (C10.1)

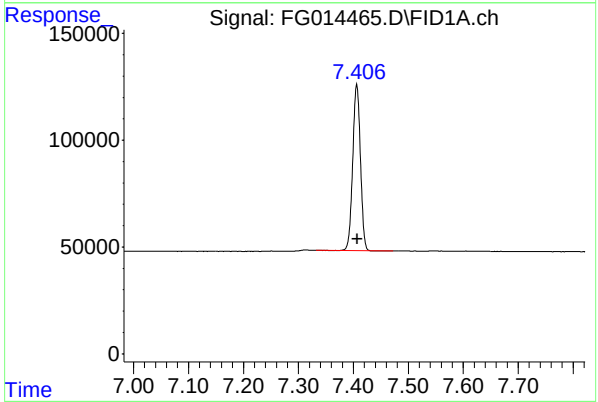
R.T.: 4.637 min
Delta R.T.: 0.001 min
Response: 704542
Conc: 5.11 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



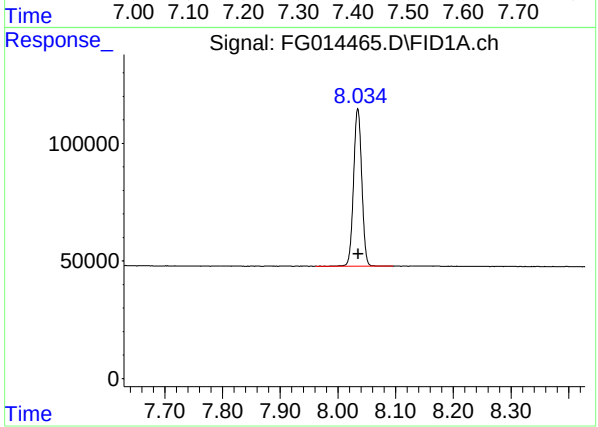
#2 Naphthalene (C11.7)

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 746066
Conc: 5.12 ug/ml



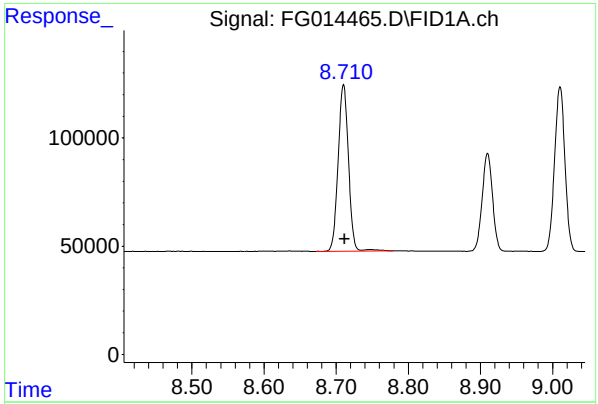
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.406 min
Delta R.T.: -0.001 min
Response: 759174
Conc: 5.12 ug/ml



#4 2-Bromonaphthalene (SURR)

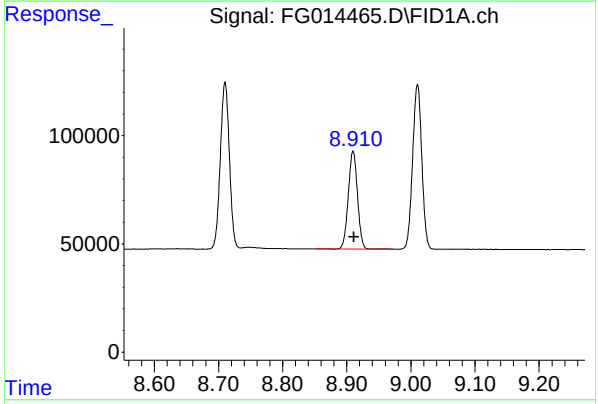
R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 663278
Conc: 5.23 ug/ml



#5 Acenaphthylene (C15.06)

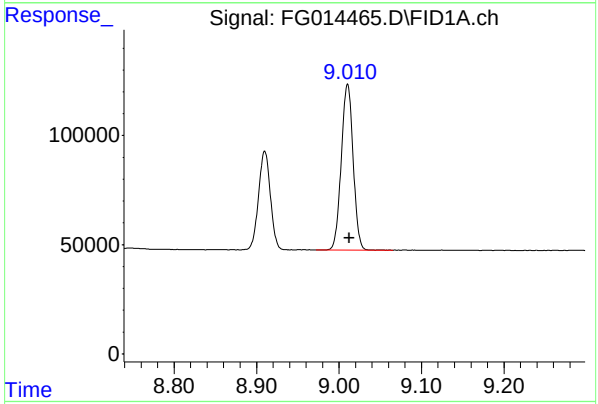
R.T.: 8.710 min
Delta R.T.: -0.001 min
Response: 768511
Conc: 5.23 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



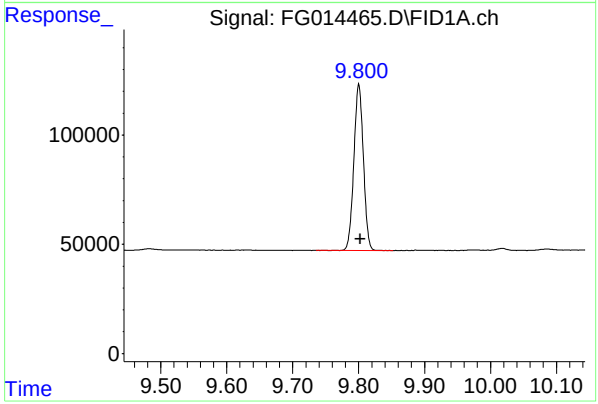
#6 2-Flurobiphenyl (SURR)

R.T.: 8.910 min
Delta R.T.: -0.001 min
Response: 450642
Conc: 5.17 ug/ml



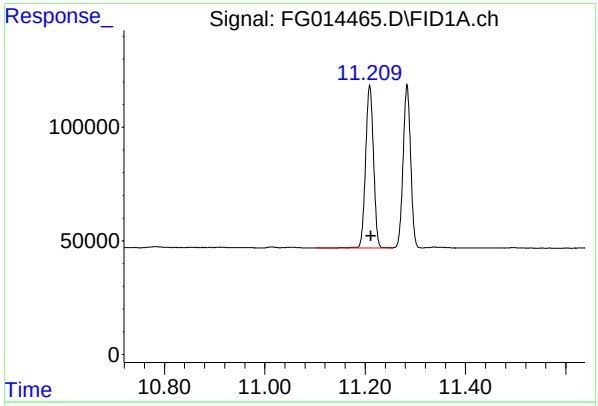
#7 Acenaphthene (C15.5)

R.T.: 9.010 min
Delta R.T.: -0.002 min
Response: 758157
Conc: 5.18 ug/ml



#8 Flouorene (C16.55)

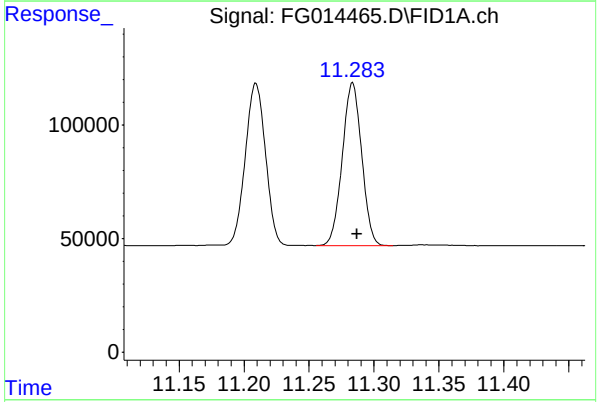
R.T.: 9.800 min
Delta R.T.: -0.002 min
Response: 764083
Conc: 5.22 ug/ml



#9 Phenanthrene (C19.36)

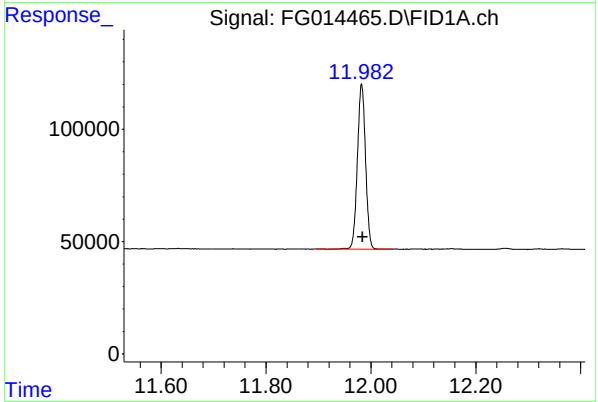
R.T.: 11.209 min
Delta R.T.: -0.003 min
Response: 778745
Conc: 5.24 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



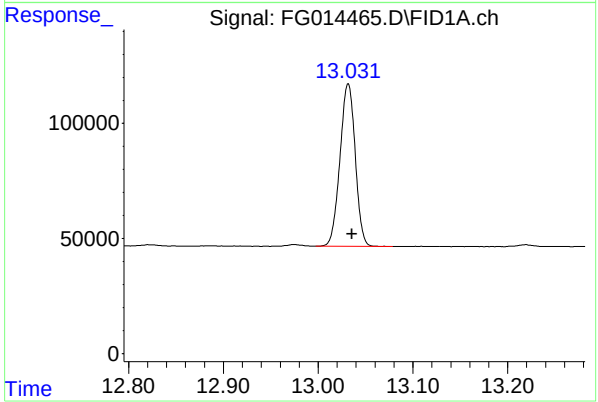
#10 Anthracene (C19.43)

R.T.: 11.283 min
Delta R.T.: -0.004 min
Response: 744946
Conc: 5.26 ug/ml



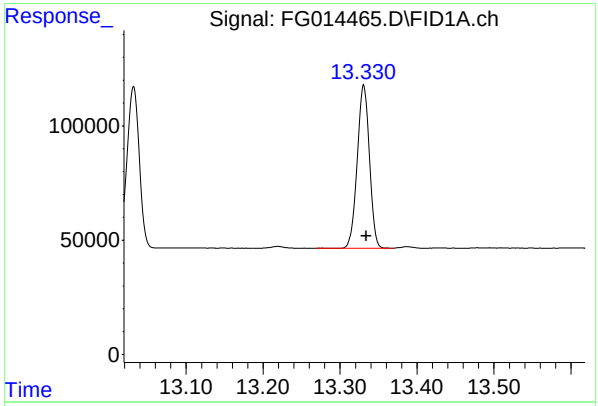
#11 ortho-Terphenyl (SURR)

R.T.: 11.982 min
Delta R.T.: -0.003 min
Response: 792217
Conc: 5.30 ug/ml



#12 Fluoranthene (C21.85)

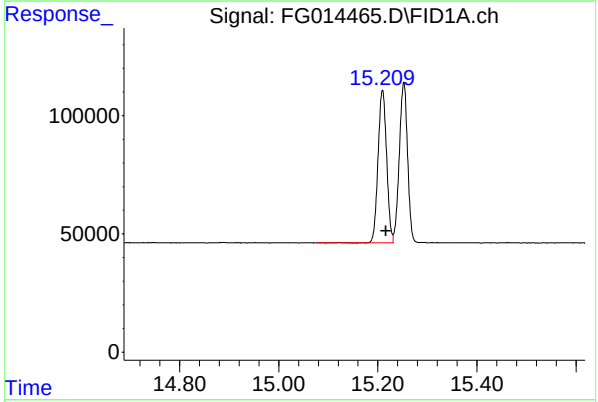
R.T.: 13.032 min
Delta R.T.: -0.004 min
Response: 791432
Conc: 5.31 ug/ml



#13 Pyrene (C20.8)

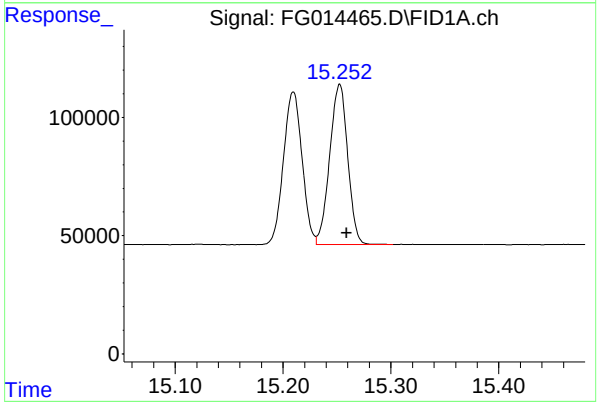
R.T.: 13.331 min
Delta R.T.: -0.004 min
Response: 784846
Conc: 5.30 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



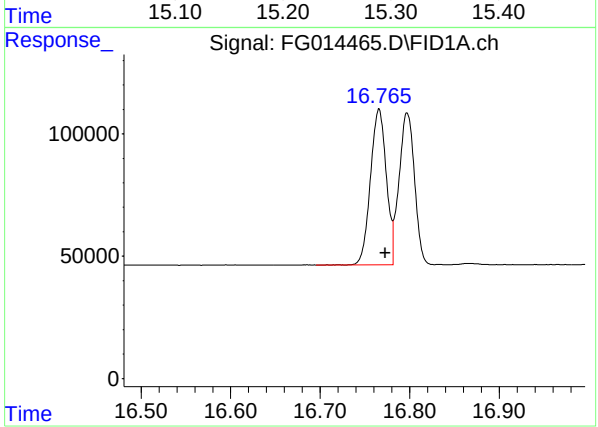
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.209 min
Delta R.T.: -0.007 min
Response: 774953
Conc: 5.33 ug/ml



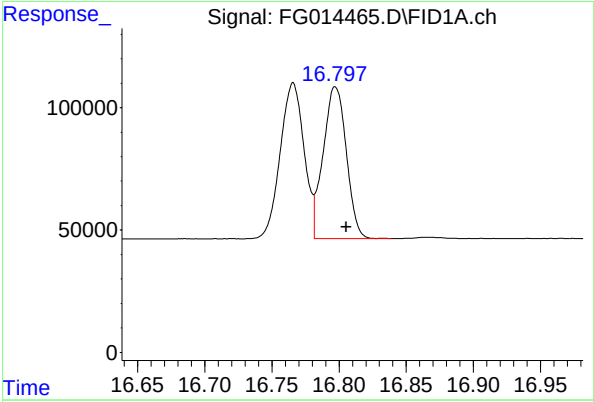
#15 Chrysene (C27.41)

R.T.: 15.252 min
Delta R.T.: -0.007 min
Response: 787444
Conc: 5.34 ug/ml



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

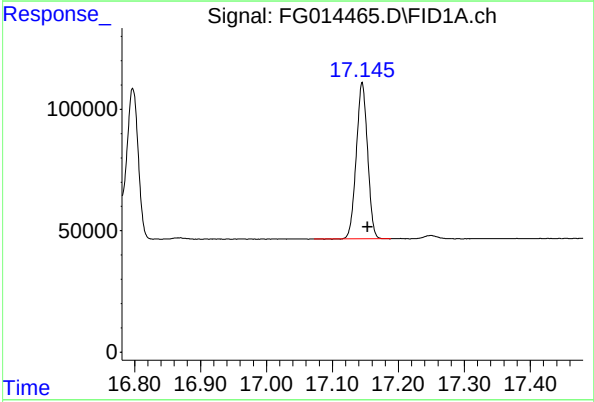
R.T.: 16.766 min
Delta R.T.: -0.007 min
Response: 783999
Conc: 5.34 ug/ml



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

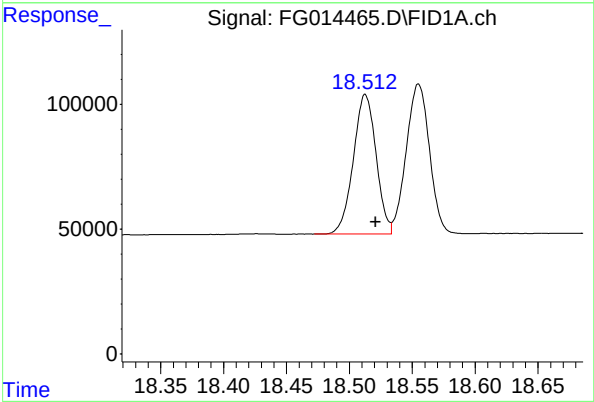
R.T.: 16.797 min
Delta R.T.: -0.008 min
Response: 745122
Conc: 5.42 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



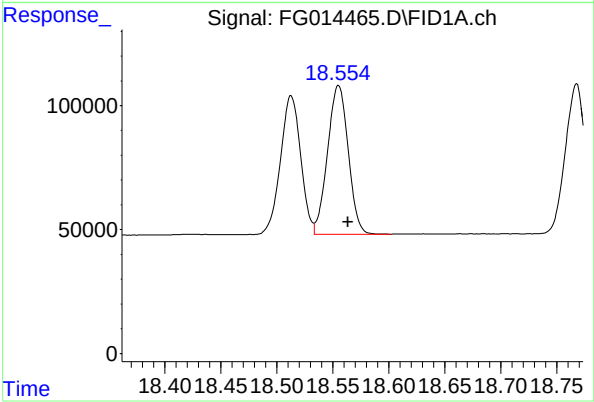
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.145 min
Delta R.T.: -0.008 min
Response: 765302
Conc: 5.38 ug/ml



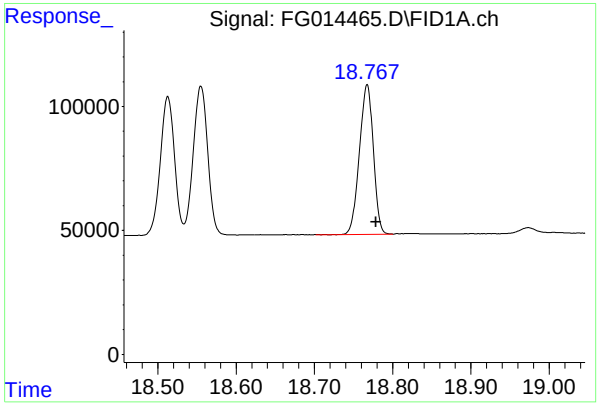
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.513 min
Delta R.T.: -0.008 min
Response: 703096
Conc: 5.35 ug/ml



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

R.T.: 18.555 min
Delta R.T.: -0.008 min
Response: 772449
Conc: 5.57 ug/ml



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

R.T.: 18.767 min
Delta R.T.: -0.011 mir
Response: 744897
Conc: 5.38 ug/m

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014465.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 21:06
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.637	4.569	4.692	BB	72788	704542	88.93%	4.521%
2	6.309	6.252	6.342	BV	78481	746066	94.17%	4.787%
3	7.406	7.332	7.472	BB	77734	759174	95.83%	4.872%
4	8.035	7.962	8.095	BB	66873	663278	83.72%	4.256%
5	8.710	8.672	8.779	BB	76539	768511	97.01%	4.931%
6	8.910	8.852	8.972	BB	45171	450642	56.88%	2.892%
7	9.010	8.972	9.065	BB	75684	758157	95.70%	4.865%
8	9.800	9.735	9.852	BB	75361	764083	96.45%	4.903%
9	11.209	11.102	11.255	BV	71508	778745	98.30%	4.997%
10	11.283	11.255	11.315	VV	71107	744946	94.03%	4.780%
11	11.982	11.895	12.042	BB	73555	792217	100.00%	5.084%
12	13.032	12.997	13.079	VB	70801	791432	99.90%	5.079%
13	13.331	13.269	13.369	BV	70756	784846	99.07%	5.036%
14	15.209	15.075	15.231	BV	64598	774953	97.82%	4.973%
15	15.252	15.231	15.302	VB	67807	787444	99.40%	5.053%
16	16.766	16.695	16.781	BV	63664	783999	98.96%	5.031%
17	16.797	16.781	16.839	VV	61910	745122	94.06%	4.781%
18	17.145	17.072	17.189	BB	64356	765302	96.60%	4.911%
19	18.513	18.472	18.533	BV	56013	703096	88.75%	4.512%
20	18.555	18.533	18.602	VB	60139	772449	97.50%	4.957%
21	18.767	18.702	18.801	BB	60813	744897	94.03%	4.780%

Sum of corrected areas: 15583899

Aromatic EPH 102124.M Tue Oct 22 04:44:37 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014466.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 21:36
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 22 04:39:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.035	2538034	20.218 ug/ml
Spiked Amount	50.000		Recovery =	40.44%
6) S	2-Flurobiphenyl (SURR)	8.911	1741970	20.224 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.45%
11) S	ortho-Terphenyl (SURR)	11.984	2986790	20.173 ug/ml
Spiked Amount	50.000		Recovery =	40.35%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.636	2776176	20.490 ug/ml
2) T	Naphthalene (C11.7)	6.309	2926259	20.392 ug/ml
3) T	2-Methylnaphthalene (...	7.407	2973403	20.359 ug/ml
5) T	Acenaphthylene (C15.06)	8.712	2938462	20.182 ug/ml
7) T	Acenaphthene (C15.5)	9.012	2927069	20.226 ug/ml
8) T	Flouorene (C16.55)	9.803	2923118	20.177 ug/ml
9) T	Phenanthrene (C19.36)	11.212	2963901	20.137 ug/ml
10) T	Anthracene (C19.43)	11.286	2825349	20.148 ug/ml
12) T	Fluoranthene (C21.85)	13.036	2979972	20.149 ug/ml
13) T	Pyrene (C20.8)	13.334	2959438	20.130 ug/ml
14) T	Benzo[a]anthracene (C...	15.215	2917267	20.144 ug/ml
15) T	Chrysene (C27.41)	15.259	2952428	20.128 ug/ml
16) T	benzo[b]fluoranthene ...	16.773	2934808	19.954 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.805	2758651	19.990 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.152	2845028	19.949 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.521	2607892	19.539 ug/ml
20) T	Dibenz[a,h]anthracene...	18.563	2764875	19.812 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.777	2743414	19.719 ug/ml

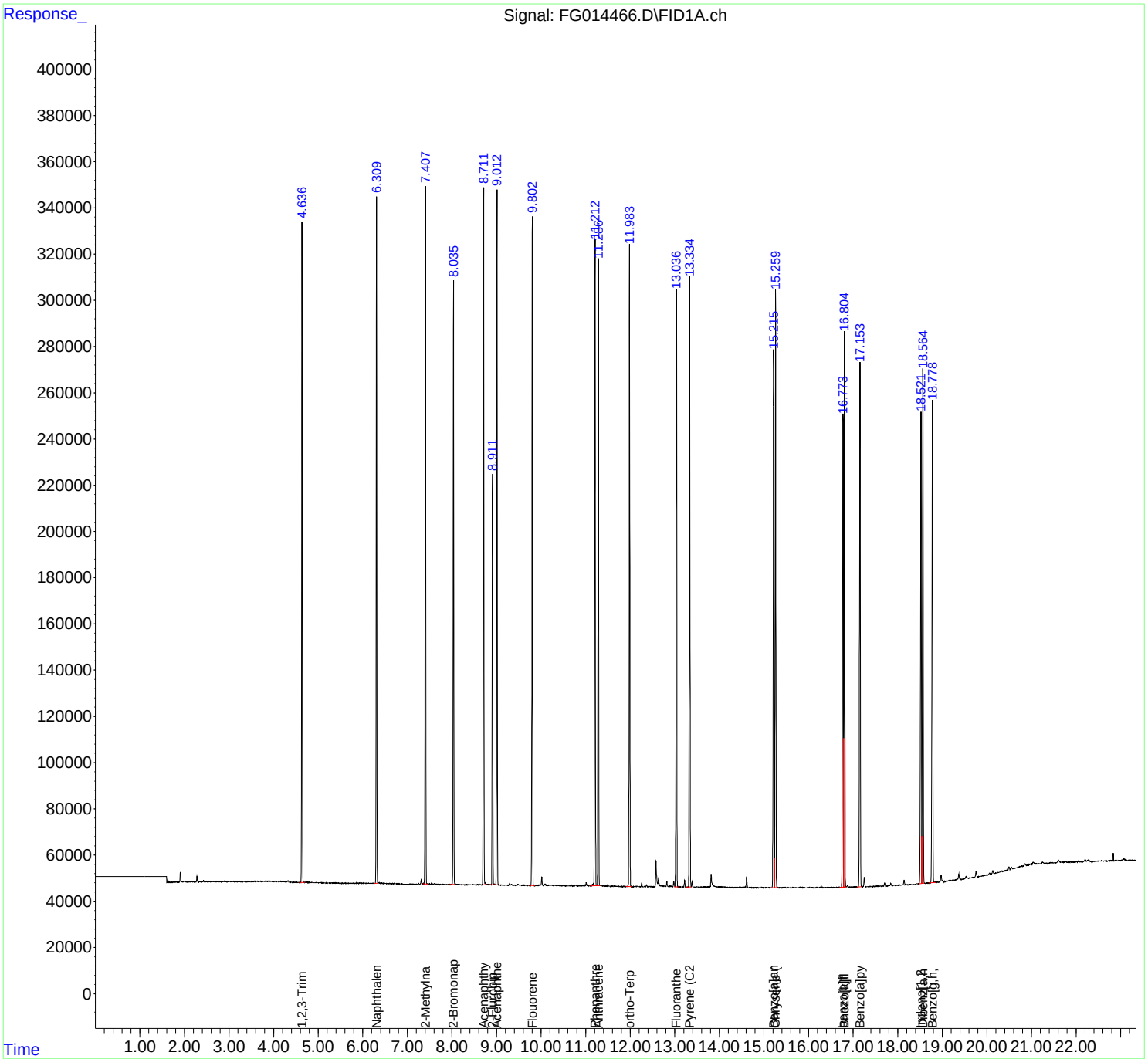
(f)=RT Delta > 1/2 Window (m)=manual int.

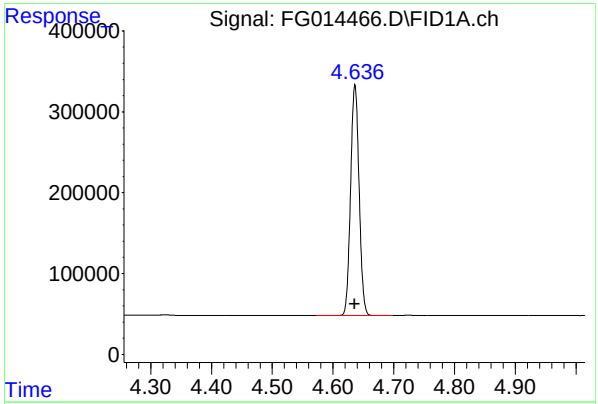
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014466.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 21:36
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 22 04:39:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

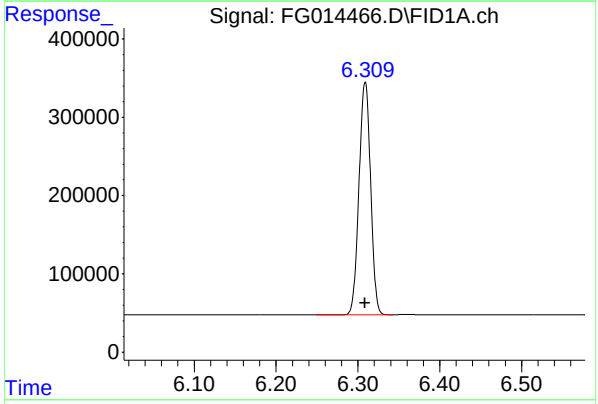




#1 1,2,3-Trimethylbenzene (C10.1)

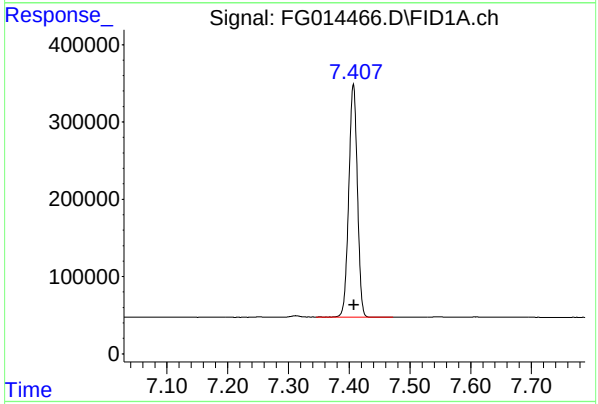
R.T.: 4.636 min
Delta R.T.: 0.000 min
Response: 2776176
Conc: 20.49 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



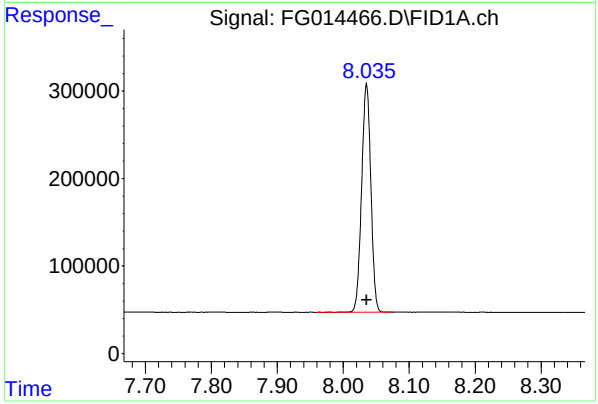
#2 Naphthalene (C11.7)

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 2926259
Conc: 20.39 ug/ml



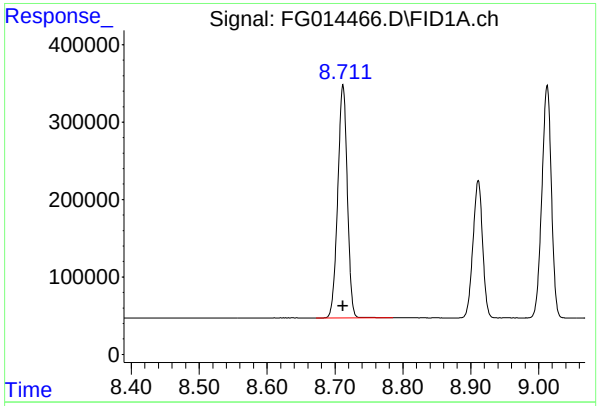
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.407 min
Delta R.T.: 0.000 min
Response: 2973403
Conc: 20.36 ug/ml



#4 2-Bromonaphthalene (SURR)

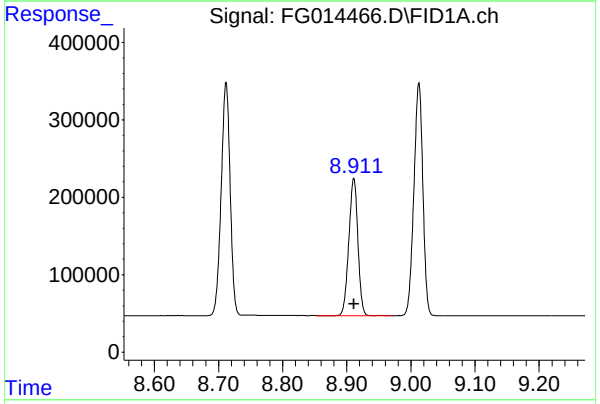
R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 2538034
Conc: 20.22 ug/ml



#5 Acenaphthylene (C15.06)

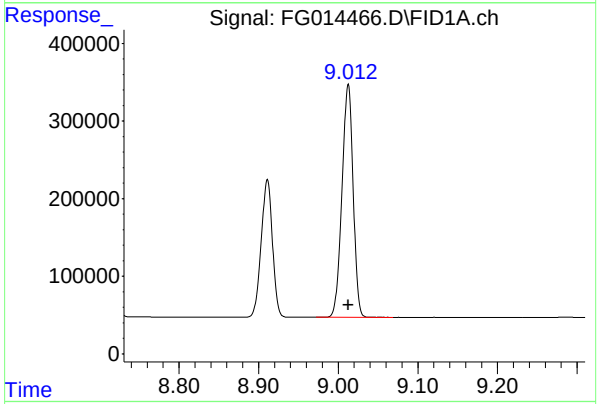
R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 2938462
Conc: 20.18 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



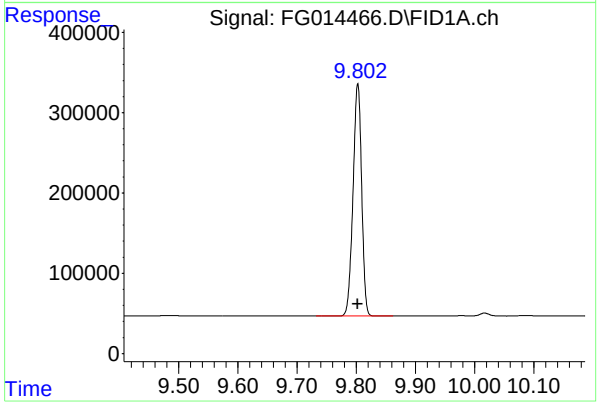
#6 2-Flurobiphenyl (SURR)

R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 1741970
Conc: 20.22 ug/ml



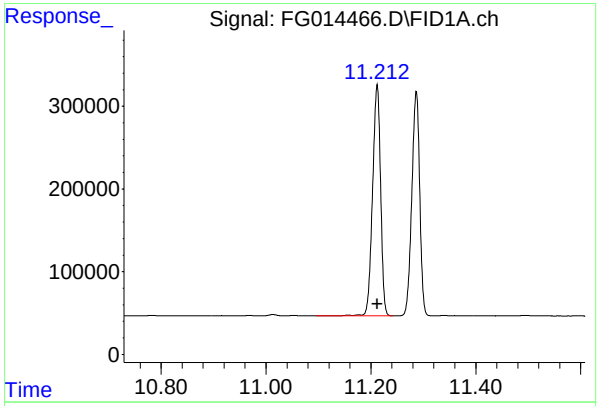
#7 Acenaphthene (C15.5)

R.T.: 9.012 min
Delta R.T.: 0.000 min
Response: 2927069
Conc: 20.23 ug/ml



#8 Flouorene (C16.55)

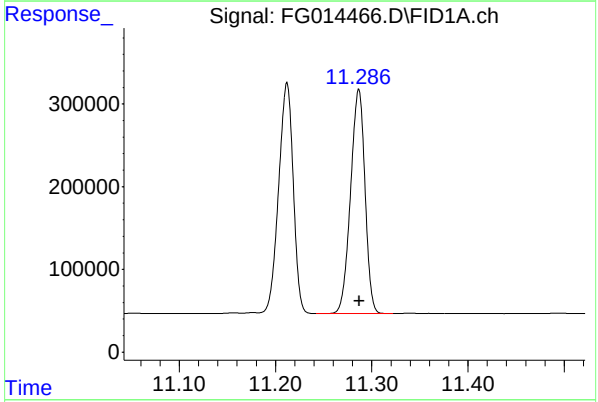
R.T.: 9.803 min
Delta R.T.: 0.000 min
Response: 2923118
Conc: 20.18 ug/ml



#9 Phenanthrene (C19.36)

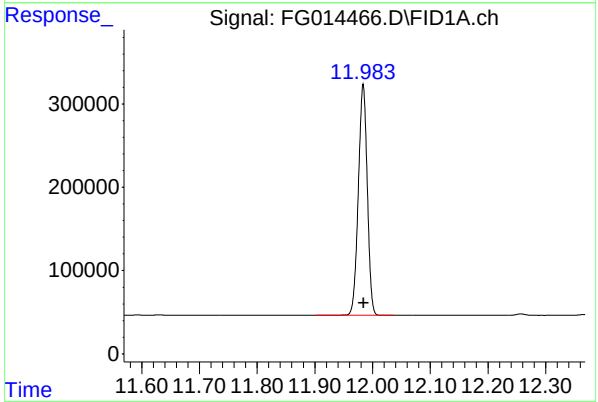
R.T.: 11.212 min
Delta R.T.: 0.000 min
Response: 2963901
Conc: 20.14 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



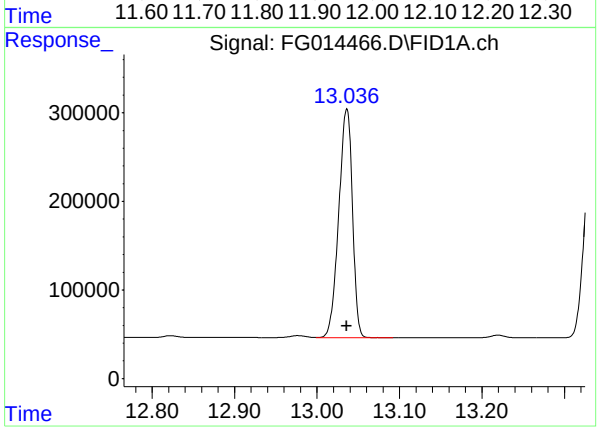
#10 Anthracene (C19.43)

R.T.: 11.286 min
Delta R.T.: 0.000 min
Response: 2825349
Conc: 20.15 ug/ml



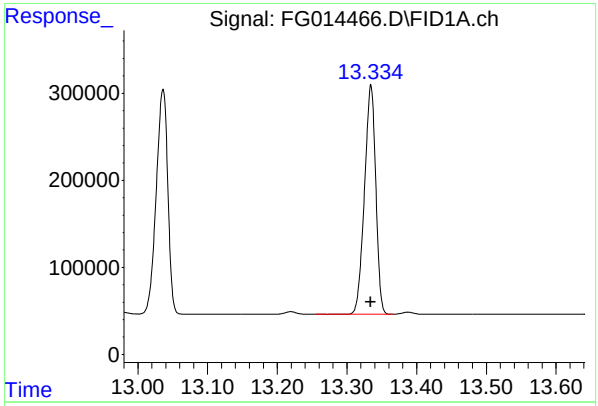
#11 ortho-Terphenyl (SURR)

R.T.: 11.984 min
Delta R.T.: -0.001 min
Response: 2986790
Conc: 20.17 ug/ml



#12 Fluoranthene (C21.85)

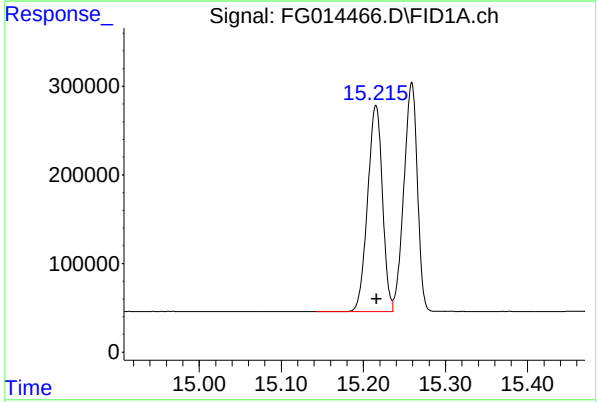
R.T.: 13.036 min
Delta R.T.: 0.000 min
Response: 2979972
Conc: 20.15 ug/ml



#13 Pyrene (C20.8)

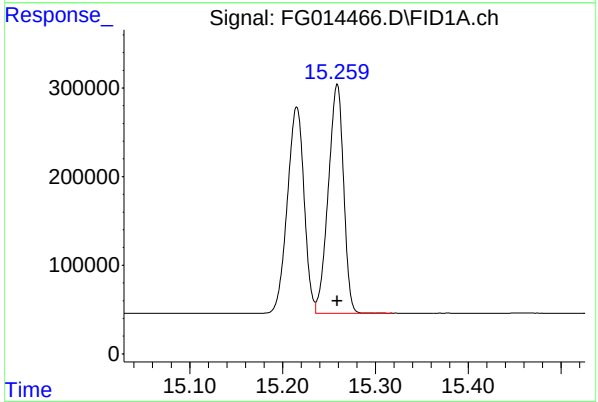
R.T.: 13.334 min
Delta R.T.: 0.000 min
Response: 2959438
Conc: 20.13 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



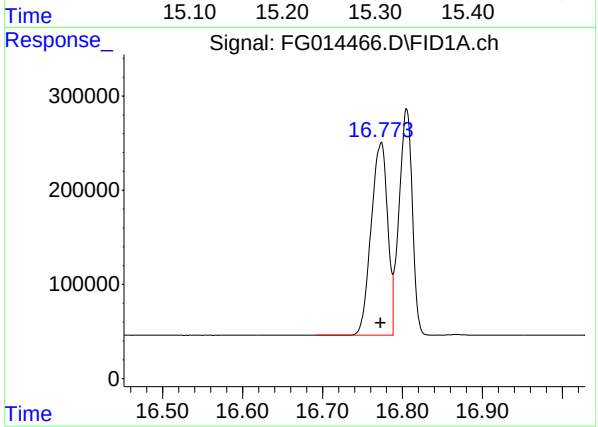
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.215 min
Delta R.T.: 0.000 min
Response: 2917267
Conc: 20.14 ug/ml



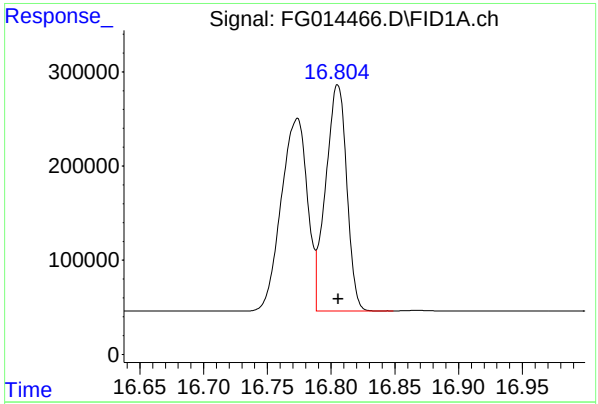
#15 Chrysene (C27.41)

R.T.: 15.259 min
Delta R.T.: 0.000 min
Response: 2952428
Conc: 20.13 ug/ml



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

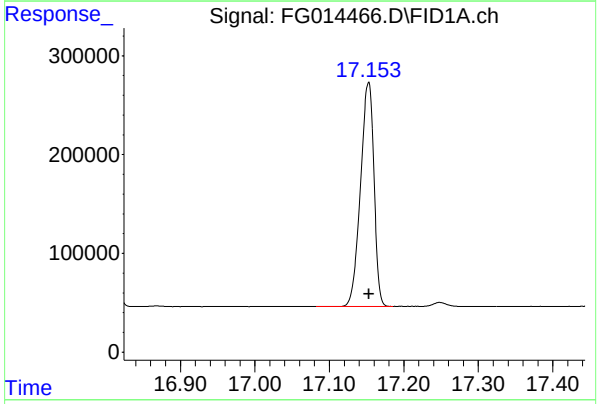
R.T.: 16.773 min
Delta R.T.: 0.000 min
Response: 2934808
Conc: 19.95 ug/ml



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

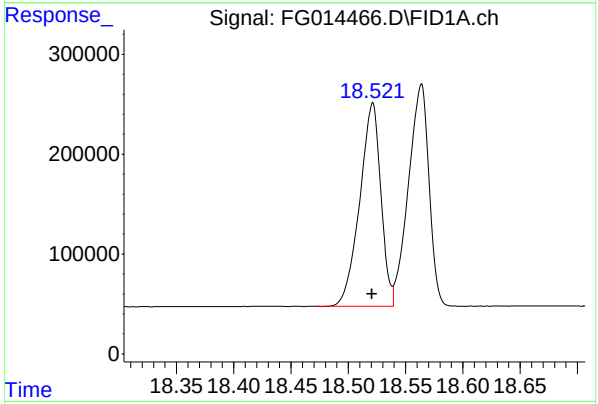
R.T.: 16.805 min
Delta R.T.: 0.000 min
Response: 2758651
Conc: 19.99 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



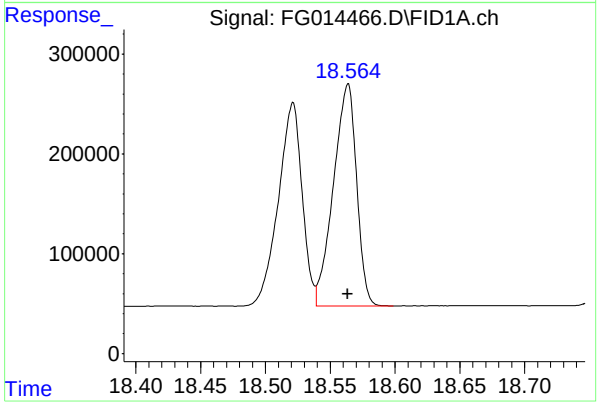
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.152 min
Delta R.T.: 0.000 min
Response: 2845028
Conc: 19.95 ug/ml



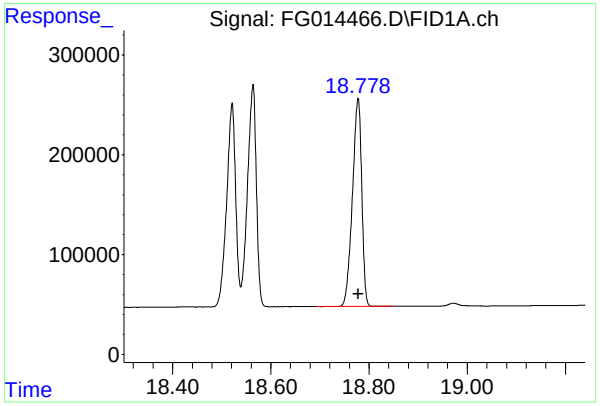
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.521 min
Delta R.T.: 0.000 min
Response: 2607892
Conc: 19.54 ug/ml



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

R.T.: 18.563 min
Delta R.T.: 0.000 min
Response: 2764875
Conc: 19.81 ug/ml



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

R.T.: 18.777 min
Delta R.T.: -0.001 mi
Response: 2743414
Conc: 19.72 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
Data File : FG014466.D
Signal(s) : FID1A.ch
Acq On : 21 Oct 2024 21:36
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.636	4.572	4.699	BB	284801	2776176	92.95%	4.707%
2	6.309	6.249	6.343	BV	297470	2926259	97.97%	4.961%
3	7.407	7.345	7.472	BB	299089	2973403	99.55%	5.041%
4	8.035	7.959	8.075	BB	260487	2538034	84.98%	4.303%
5	8.712	8.672	8.785	BB	301546	2938462	98.38%	4.982%
6	8.911	8.852	8.972	BB	178196	1741970	58.32%	2.953%
7	9.012	8.972	9.069	BB	300277	2927069	98.00%	4.962%
8	9.803	9.732	9.862	BB	289016	2923118	97.87%	4.956%
9	11.212	11.095	11.242	BV	279720	2963901	99.23%	5.025%
10	11.286	11.242	11.322	PV	269271	2825349	94.59%	4.790%
11	11.984	11.902	12.035	BB	276053	2986790	100.00%	5.064%
12	13.036	12.999	13.092	VB	258651	2979972	99.77%	5.052%
13	13.334	13.255	13.366	BV	263923	2959438	99.08%	5.017%
14	15.215	15.142	15.236	BV	233329	2917267	97.67%	4.946%
15	15.259	15.236	15.319	VB	259412	2952428	98.85%	5.005%
16	16.773	16.692	16.788	BV	203026	2934808	98.26%	4.976%
17	16.805	16.788	16.849	VV	241230	2758651	92.36%	4.677%
18	17.152	17.082	17.185	BB	226729	2845028	95.25%	4.823%
19	18.521	18.472	18.539	BV	206101	2607892	87.31%	4.421%
20	18.563	18.539	18.599	VB	219284	2764875	92.57%	4.687%
21	18.777	18.692	18.849	BB	210356	2743414	91.85%	4.651%
			Sum of corrected areas:			58984303		

Aromatic EPH 102124.M Tue Oct 22 04:45:09 2024

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

Continuing Calibration Report for SequenceID : FC103024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067564.D**						
Aliphatic C9-C12	6772070.000	60.000	3.174	6.453	112867.833	135469.641	16.684
Aliphatic C12-C16	4527987.000	40.000	6.454	9.842	113199.675	131681.730	14.035
Aliphatic C16-C21	6666175.000	60.000	9.843	13.199	111102.917	127235.092	12.679
Aliphatic C21-C28	9423357.000	80.000	13.200	16.852	117791.963	120090.398	1.914
Aliphatic C28-C40	12453717.000	120.000	16.853	21.694	103780.975	101093.195	-2.659
Aliphatic EPH	39843306.000	360.000	3.174	21.694	110675.850	118799.912	6.838

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:	30 Oct 2024 14:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067564.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.453	6772070.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	4527987.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.199	6666175.000	60.000	ug/ml
Aliphatic C21-C28	13.200	16.852	9423357.000	80.000	ug/ml
Aliphatic C28-C40	16.853	21.694	12453717.000	120.000	ug/ml
Aliphatic EPH	3.174	21.694	39843306.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067564.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 14:26
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

Integration File: autoint1.e
Quant Time: Nov 01 00:18:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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)	11.493	2500260	17.040 ug/ml
	Spiked Amount 50.000		Recovery =	34.08%
12)	S 1-chlorooctadecane (S...	12.931	1867456	17.293 ug/ml
	Spiked Amount 50.000		Recovery =	34.59%
	Target Compounds			
1)	T n-Nonane (C9)	3.274	2189723	16.254 ug/ml
2)	T n-Decane (C10)	4.338	2283987	16.764 ug/ml
3)	T A~Naphthalene (C11.7)	5.915	2475244	16.703 ug/ml
4)	T n-Dodecane (C12)	6.353	2298360	16.969 ug/ml
5)	T A~2-methylnaphthalene...	6.970	2365562	16.751 ug/ml
6)	T n-Tetradecane (C14)	8.145	2245414	17.107 ug/ml
7)	T n-Hexadecane (C16)	9.742	2282573	17.279 ug/ml
8)	T n-Octadecane (C18)	11.182	2303119	17.433 ug/ml
10)	T n-Eicosane (C20)	12.488	2209827	17.514 ug/ml
11)	T n-Heneicosane (C21)	13.099	2153229	17.447 ug/ml
13)	T n-Docosane (C22)	13.684	2200561	17.971 ug/ml
14)	T n-Tetracosane (C24)	14.785	2305202	19.018 ug/ml
15)	T n-Hexacosane (C26)	15.804	2403970	20.192 ug/ml
16)	T n-Octacosane (C28)	16.752	2513624	21.366 ug/ml
17)	T n-Tricontane (C30)	17.637	2654722	21.963 ug/ml
18)	T n-Dotriacontane (C32)	18.470	2624367	22.180 ug/ml
19)	T n-Tetratriacontane (C34)	19.251	2209314	21.096 ug/ml
20)	T n-Hexatriacontane (C36)	19.990	1791934	19.686 ug/ml
21)	T n-Octatriacontane (C38)	20.711	1632068	18.846 ug/ml
22)	T n-Tetracontane (C40)	21.594	1541312	18.131 ug/ml

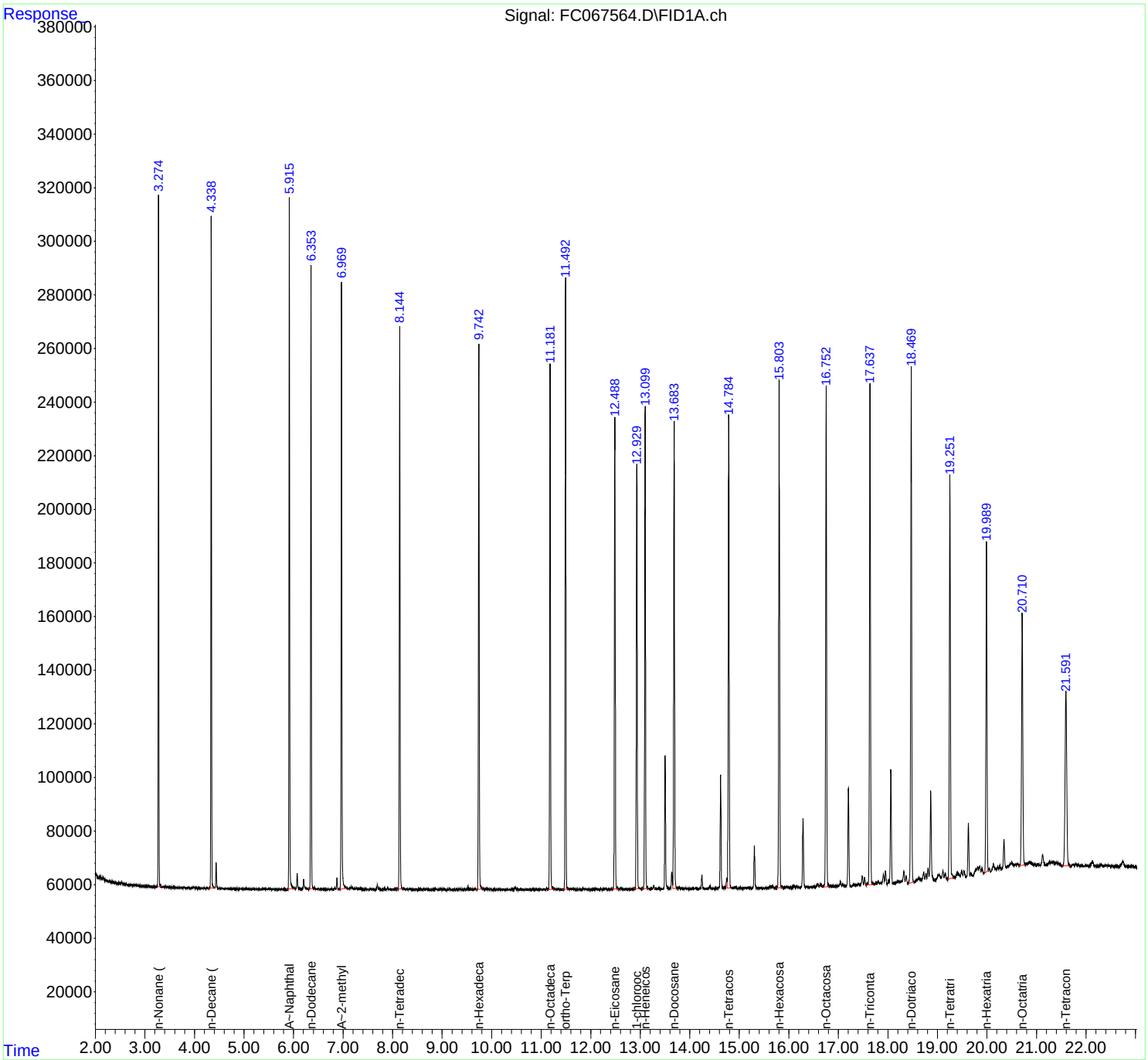
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067564.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 14:26
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

Integration File: autoint1.e
Quant Time: Nov 01 00:18:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067564.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 14:26
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 102324.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	3.274	3.245	3.332	BB	257741	2189723	82.48%	4.464%
2	4.338	4.279	4.404	BB	249467	2283987	86.03%	4.656%
3	5.915	5.857	6.014	BB	258409	2475244	93.24%	5.046%
4	6.353	6.290	6.404	BB	232896	2298360	86.58%	4.686%
5	6.970	6.924	7.074	BB	225856	2365562	89.11%	4.823%
6	8.145	8.085	8.210	BB	209778	2245414	84.58%	4.578%
7	9.742	9.684	9.827	BB	202367	2282573	85.98%	4.653%
8	11.182	11.134	11.262	BB	195237	2303119	86.76%	4.695%
9	11.493	11.429	11.554	BB	227439	2500260	94.18%	5.097%
10	12.488	12.422	12.557	BB	175950	2209827	83.24%	4.505%
11	12.931	12.867	12.984	BB	156826	1867456	70.34%	3.807%
12	13.099	13.030	13.162	BB	178514	2153229	81.11%	4.390%
13	13.684	13.654	13.750	VB	173845	2200561	82.89%	4.486%
14	14.785	14.754	14.849	VB	176261	2305202	86.83%	4.700%
15	15.804	15.734	15.875	BB	189618	2403970	90.55%	4.901%
16	16.752	16.687	16.822	BB	186453	2513624	94.69%	5.124%
17	17.637	17.560	17.717	PB	186545	2654722	100.00%	5.412%
18	18.470	18.405	18.530	PB	190615	2624367	98.86%	5.350%
19	19.251	19.202	19.330	BB	150323	2209314	83.22%	4.504%
20	19.990	19.945	20.029	BV	122319	1791934	67.50%	3.653%
21	20.711	20.652	20.774	BB	93555	1632068	61.48%	3.327%
22	21.594	21.512	21.694	BB	64651	1541312	58.06%	3.142%
			Sum of corrected areas:			49051826		

Aliphatic EPH 102324.M Fri Nov 01 00:46:07 2024

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

Continuing Calibration Report for SequenceID : FC103024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067576.D**						
Aliphatic C9-C12	7768270.000	60.000	3.174	6.453	129471.167	135469.641	4.428
Aliphatic C12-C16	5095387.000	40.000	6.454	9.842	127384.675	131681.730	3.263
Aliphatic C16-C21	7442275.000	60.000	9.843	13.199	124037.917	127235.092	2.513
Aliphatic C21-C28	9491203.000	80.000	13.200	16.852	118640.038	120090.398	1.208
Aliphatic C28-C40	12709973.000	120.000	16.853	21.694	105916.442	101093.195	-4.771
Aliphatic EPH	42507108.000	360.000	3.174	21.694	118075.300	118799.912	0.610

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:	30 Oct 2024 22:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067576.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.453	7768270.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5095387.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.199	7442275.000	60.000	ug/ml
Aliphatic C21-C28	13.200	16.852	9491203.000	80.000	ug/ml
Aliphatic C28-C40	16.853	21.694	12709973.000	120.000	ug/ml
Aliphatic EPH	3.174	21.694	42507108.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067576.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 22:56
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 01 00:20:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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)	11.492	2814227	19.179 ug/ml
Spiked Amount	50.000		Recovery =	38.36%
12) S	1-chlorooctadecane (S...	12.930	2094412	19.395 ug/ml
Spiked Amount	50.000		Recovery =	38.79%
	Target Compounds			
1) T	n-Nonane (C9)	3.273	2557917	18.987 ug/ml
2) T	n-Decane (C10)	4.338	2607529	19.138 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2811086	18.970 ug/ml
4) T	n-Dodecane (C12)	6.353	2602824	19.217 ug/ml
5) T	A~2-methylnaphthalene...	6.969	2688730	19.039 ug/ml
6) T	n-Tetradecane (C14)	8.144	2530499	19.278 ug/ml
7) T	n-Hexadecane (C16)	9.742	2564888	19.416 ug/ml
8) T	n-Octadecane (C18)	11.181	2577223	19.508 ug/ml
10) T	n-Eicosane (C20)	12.488	2455253	19.459 ug/ml
11) T	n-Heneicosane (C21)	13.099	2409799	19.526 ug/ml
13) T	n-Docosane (C22)	13.684	2388124	19.503 ug/ml
14) T	n-Tetracosane (C24)	14.785	2374063	19.586 ug/ml
15) T	n-Hexacosane (C26)	15.804	2353265	19.766 ug/ml
16) T	n-Octacosane (C28)	16.752	2375751	20.194 ug/ml
17) T	n-Tricontane (C30)	17.638	2538052	20.998 ug/ml
18) T	n-Dotriacontane (C32)	18.469	2541861	21.483 ug/ml
19) T	n-Tetratriacontane (C34)	19.251	2238259	21.372 ug/ml
20) T	n-Hexatriacontane (C36)	19.988	1903661	20.913 ug/ml
21) T	n-Octatriacontane (C38)	20.710	1779881	20.552 ug/ml
22) T	n-Tetracontane (C40)	21.593	1708259	20.095 ug/ml

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

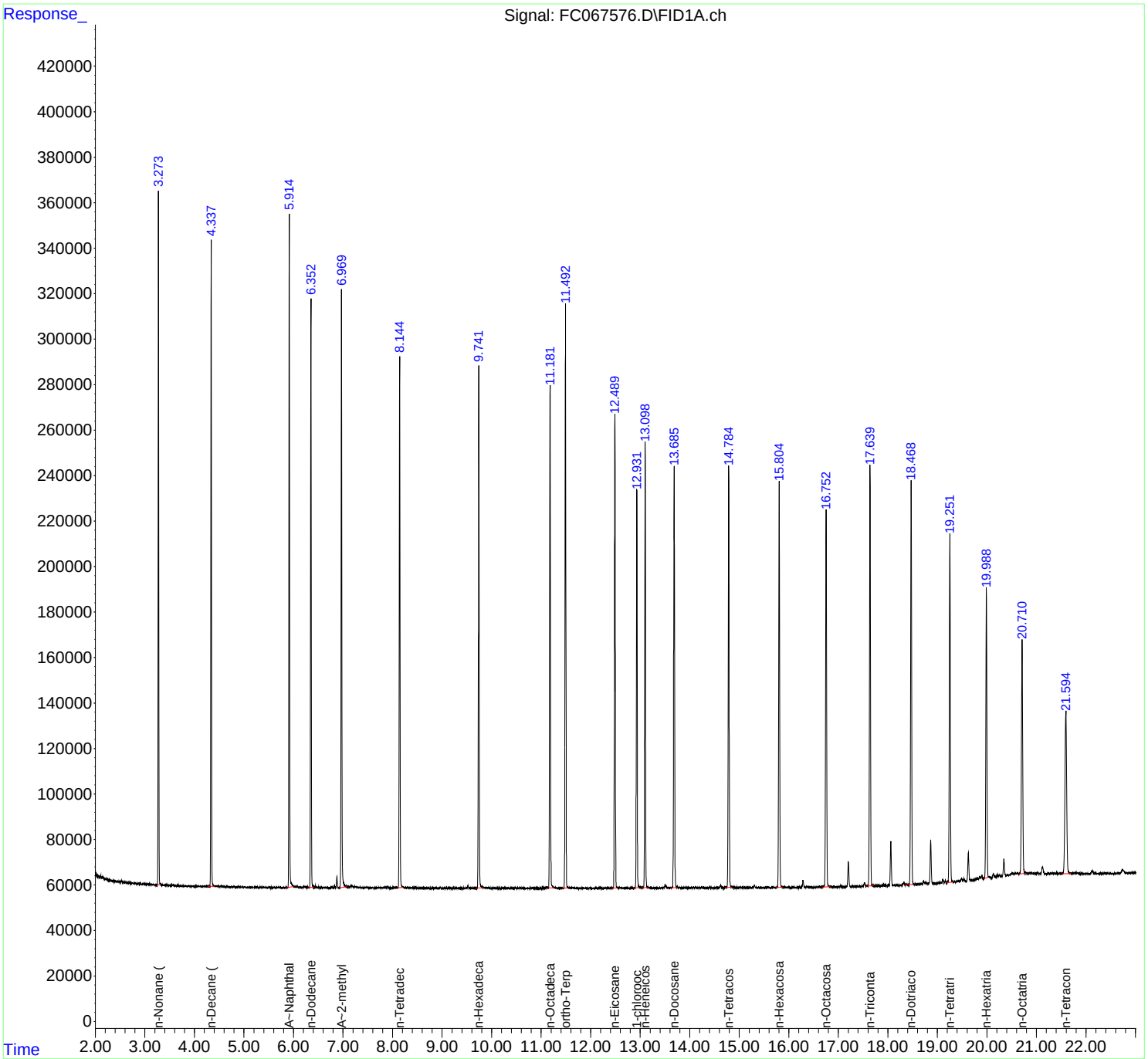
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067576.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 22:56
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 01 00:20:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067576.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 22:56
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 102324.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	3.273	3.245	3.332	BB	304949	2557917	90.89%	4.834%
2	4.338	4.278	4.408	BB	284460	2607529	92.66%	4.928%
3	5.915	5.863	6.003	BB	293317	2811086	99.89%	5.312%
4	6.353	6.293	6.418	BB	258308	2602824	92.49%	4.919%
5	6.969	6.922	7.080	BB	262929	2688730	95.54%	5.081%
6	8.144	8.088	8.213	BB	233497	2530499	89.92%	4.782%
7	9.742	9.682	9.828	BB	229773	2564888	91.14%	4.847%
8	11.181	11.137	11.263	BB	219692	2577223	91.58%	4.870%
9	11.492	11.425	11.550	BB	257170	2814227	100.00%	5.318%
10	12.488	12.422	12.550	BB	207325	2455253	87.24%	4.640%
11	12.930	12.872	12.983	BB	174756	2094412	74.42%	3.958%
12	13.099	13.030	13.168	BB	196119	2409799	85.63%	4.554%
13	13.684	13.620	13.752	BB	185621	2388124	84.86%	4.513%
14	14.785	14.720	14.847	BB	184061	2374063	84.36%	4.487%
15	15.804	15.737	15.875	BB	177399	2353265	83.62%	4.447%
16	16.752	16.675	16.833	BB	165708	2375751	84.42%	4.490%
17	17.638	17.563	17.705	BB	184497	2538052	90.19%	4.796%
18	18.469	18.345	18.525	VB	177667	2541861	90.32%	4.804%
19	19.251	19.185	19.315	BB	153286	2238259	79.53%	4.230%
20	19.988	19.932	20.028	BB	127800	1903661	67.64%	3.598%
21	20.710	20.647	20.785	BB	102852	1779881	63.25%	3.364%
22	21.593	21.520	21.697	BB	70620	1708259	60.70%	3.228%
			Sum of corrected areas:			52915563		

Aliphatic EPH 102324.M Fri Nov 01 00:51:41 2024

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

Continuing Calibration Report for SequenceID : FD103024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048622.D**						
Aromatic C10-C12	7371341.000	40.000	4.094	5.812	184283.525	176202.694	-4.586
Aromatic C12-C16	11108842.000	60.000	5.813	8.417	185147.367	177273.493	-4.442
Aromatic C16-C21	13346732.000	80.000	8.418	12.679	166834.150	163832.550	-1.832
Aromatic C21-C36	30074963.000	180.000	12.680	18.085	167083.128	152713.153	-9.410
Aromatic EPH	61901878.000	360.000	4.094	18.085	171949.661	161887.469	-6.216

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:	30 Oct 2024 14:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048622.D	Misc:	
Instrument:	FID_D	ALS Vial:	54
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	7371341.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	11108842.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.679	13346732.000	80.000	ug/ml
Aromatic C21-C36	12.680	18.085	30074963.000	180.000	ug/ml
Aromatic EPH	4.094	18.085	61901878.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048622.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 14:26
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 01 01:02:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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...	7.371	3188187	21.005 ug/ml
	Spiked Amount 50.000		Recovery =	42.01%
6)	S 2-Flurobiphenyl (SURR)	8.221	2084345	21.227 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	42.45%
11)	S ortho-Terphenyl (SURR)	11.255	3598453	21.125 ug/ml
	Spiked Amount 50.000		Recovery =	42.25%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.194	3634010	20.889 ug/ml
2)	T Naphthalene (C11.7)	5.712	3737331	20.945 ug/ml
3)	T 2-Methylnaphthalene (...	6.759	3750826	20.970 ug/ml
5)	T Acenaphthylene (C15.06)	8.023	3645995	20.764 ug/ml
7)	T Acenaphthene (C15.5)	8.317	3712021	20.929 ug/ml
8)	T Flouorene (C16.55)	9.096	3546056	20.978 ug/ml
9)	T Phenanthrene (C19.36)	10.483	3485497	21.085 ug/ml
10)	T Anthracene (C19.43)	10.558	2868629	17.939 ug/ml
12)	T Fluoranthene (C21.85)	12.285	3485328	21.178 ug/ml
13)	T Pyrene (C20.8)	12.579	3446550	21.397 ug/ml
14)	T Benzo[a]anthracene (C...	14.448	3159794	21.611 ug/ml
15)	T Chrysene (C27.41)	14.489	3503664	21.300 ug/ml
16)	T benzo[b]fluoranthene ...	15.994	3350559	22.039 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.025	3253286	21.645 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.370	3338521	22.184 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.733	2888384	22.137 ug/ml
20)	T Dibenz[a,h]anthracene...	17.773	3671524	22.561 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.985	3423903	22.365 ug/ml

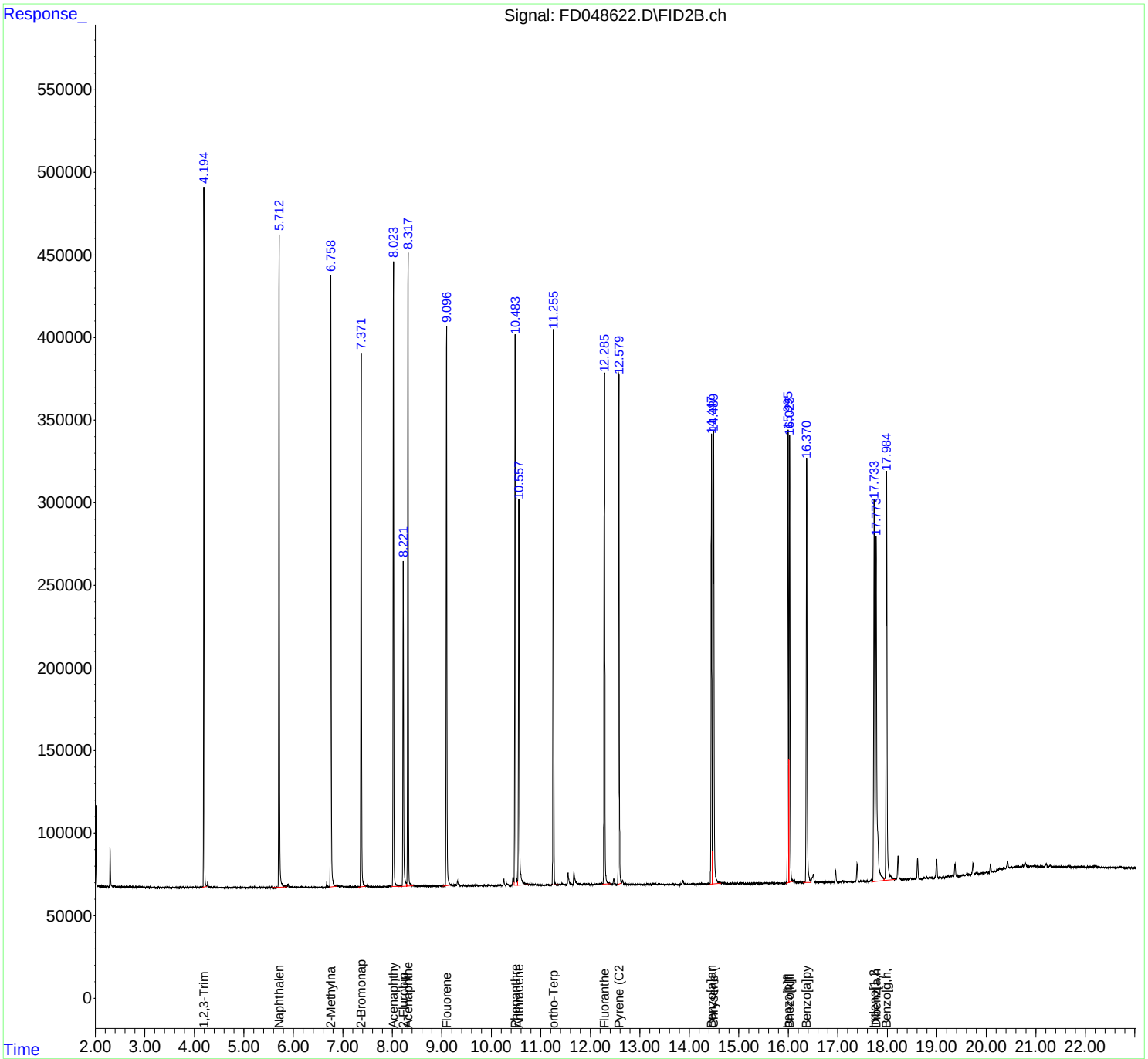
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048622.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 14:26
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 01 01:02:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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\FD103024AR\
Data File : FD048622.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 14:26
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.194	4.161	4.251	BV	422255	3634010	96.89%	5.135%
2	5.712	5.561	5.868	BV	393189	3737331	99.64%	5.281%
3	6.759	6.728	6.878	BB	370498	3750826	100.00%	5.300%
4	7.371	7.318	7.468	BV	322158	3188187	85.00%	4.505%
5	8.023	7.974	8.168	BB	376707	3645995	97.21%	5.152%
6	8.221	8.168	8.291	BV	196733	2084345	55.57%	2.945%
7	8.317	8.291	8.418	VB	383784	3712021	98.97%	5.245%
8	9.096	9.021	9.194	BV	338793	3546056	94.54%	5.010%
9	10.483	10.458	10.530	VV	334177	3485497	92.93%	4.925%
10	10.558	10.530	10.761	VB	233022	2868629	76.48%	4.053%
11	11.255	11.168	11.351	BV	335154	3598453	95.94%	5.085%
12	12.285	12.251	12.404	BB	309037	3485328	92.92%	4.925%
13	12.579	12.544	12.633	BV	306722	3446550	91.89%	4.870%
14	14.448	14.411	14.467	PV	272406	3159794	84.24%	4.465%
15	14.489	14.467	14.644	VB	272331	3503664	93.41%	4.951%
16	15.994	15.961	16.009	BV	274261	3350559	89.33%	4.734%
17	16.025	16.009	16.097	VV	269757	3253286	86.74%	4.597%
18	16.370	16.294	16.456	BV	256655	3338521	89.01%	4.717%
19	17.733	17.701	17.752	BV	232440	2888384	77.01%	4.081%
20	17.773	17.752	17.938	VV	210872	3671524	97.89%	5.188%
21	17.985	17.938	18.158	VB	248463	3423903	91.28%	4.838%
			Sum of corrected areas:			70772863		

Aromatic EPH 102324.M Fri Nov 01 01:35:41 2024

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

Continuing Calibration Report for SequenceID : FD103024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048634.D**						
Aromatic C10-C12	6567342.000	40.000	4.094	5.812	164183.550	176202.694	6.821
Aromatic C12-C16	9897067.000	60.000	5.813	8.417	164951.117	177273.493	6.951
Aromatic C16-C21	12114271.000	80.000	8.418	12.679	151428.388	163832.550	7.571
Aromatic C21-C36	26179901.000	180.000	12.680	18.085	145443.894	152713.153	4.760
Aromatic EPH	54758581.000	360.000	4.094	18.085	152107.169	161887.469	6.041

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:	31 Oct 2024 00:45
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048634.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6567342.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	9897067.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.679	12114271.000	80.000	ug/ml
Aromatic C21-C36	12.680	18.085	26179901.000	180.000	ug/ml
Aromatic EPH	4.094	18.085	54758581.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048634.D
Signal(s) : FID2B.ch
Acq On : 31 Oct 2024 00:45
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: Nov 01 01:04:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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...	7.371	2812424	18.530 ug/ml
	Spiked Amount 50.000		Recovery = 37.06%	
6)	S 2-Flurobiphenyl (SURR)	8.221	1824776	18.584 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 37.17%	
11)	S ortho-Terphenyl (SURR)	11.255	3150290	18.494 ug/ml
	Spiked Amount 50.000		Recovery = 36.99%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.194	3241453	18.632 ug/ml
2)	T Naphthalene (C11.7)	5.712	3325889	18.639 ug/ml
3)	T 2-Methylnaphthalene (...	6.758	3330792	18.622 ug/ml
5)	T Acenaphthylene (C15.06)	8.023	3263156	18.584 ug/ml
7)	T Acenaphthene (C15.5)	8.317	3303119	18.623 ug/ml
8)	T Flouorene (C16.55)	9.095	3154409	18.661 ug/ml
9)	T Phenanthrene (C19.36)	10.482	3072079	18.584 ug/ml
10)	T Anthracene (C19.43)	10.558	2869110	17.942 ug/ml
12)	T Fluoranthene (C21.85)	12.285	3077096	18.697 ug/ml
13)	T Pyrene (C20.8)	12.578	3018673	18.741 ug/ml
14)	T Benzo[a]anthracene (C...	14.447	2753306	18.830 ug/ml
15)	T Chrysene (C27.41)	14.488	3092830	18.802 ug/ml
16)	T benzo[b]fluoranthene ...	15.994	2932318	19.288 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.025	2900277	19.296 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.369	2871431	19.080 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.732	2425410	18.589 ug/ml
20)	T Dibenz[a,h]anthracene...	17.773	3130272	19.235 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.983	2996961	19.576 ug/ml

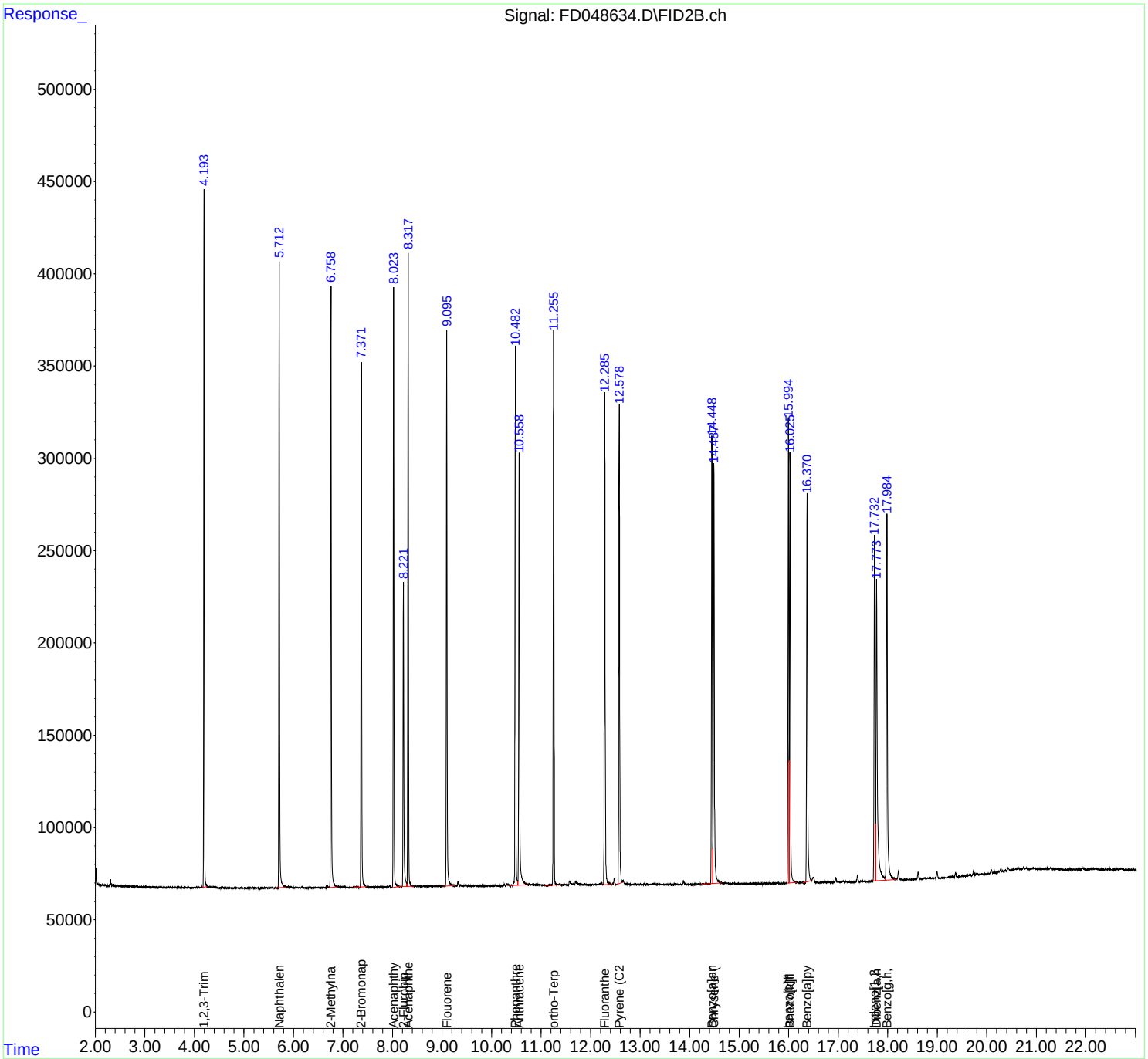
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048634.D
Signal(s) : FID2B.ch
Acq On : 31 Oct 2024 00:45
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: Nov 01 01:04:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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\FD103024AR\
Data File : FD048634.D
Signal(s) : FID2B.ch
Acq On : 31 Oct 2024 00:45
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 102324.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	4.194	4.161	4.261	BV	374831	3241453	97.32%	5.183%
2	5.712	5.651	5.858	BB	338180	3325889	99.85%	5.318%
3	6.758	6.718	6.888	BV	323983	3330792	100.00%	5.325%
4	7.371	7.218	7.480	BV	283703	2812424	84.44%	4.497%
5	8.023	7.994	8.144	PB	324515	3263156	97.97%	5.217%
6	8.221	8.144	8.289	BV	164620	1824776	54.79%	2.917%
7	8.317	8.289	8.438	VB	343815	3303119	99.17%	5.281%
8	9.095	9.018	9.248	BV	296808	3154409	94.70%	5.043%
9	10.482	10.368	10.530	BV	290139	3072079	92.23%	4.912%
10	10.558	10.530	10.731	VB	234280	2869110	86.14%	4.587%
11	11.255	11.074	11.338	BB	299635	3150290	94.58%	5.037%
12	12.285	12.249	12.444	PB	266795	3077096	92.38%	4.920%
13	12.578	12.521	12.637	BV	257411	3018673	90.63%	4.826%
14	14.447	14.241	14.467	BV	242650	2753306	82.66%	4.402%
15	14.488	14.467	14.651	VB	227666	3092830	92.86%	4.945%
16	15.994	15.961	16.009	BV	252416	2932318	88.04%	4.688%
17	16.025	16.009	16.158	VB	233380	2900277	87.07%	4.637%
18	16.369	16.284	16.461	BV	212654	2871431	86.21%	4.591%
19	17.732	17.701	17.752	BV	186947	2425410	72.82%	3.878%
20	17.773	17.752	17.947	VV	163586	3130272	93.98%	5.005%
21	17.983	17.947	18.178	VV	199703	2996961	89.98%	4.792%
			Sum of corrected areas:			62546071		

Aromatic EPH 102324.M Fri Nov 01 01:38:18 2024

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

Continuing Calibration Report for SequenceID : FE103024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050916.D**						
Aliphatic C9-C12	8444590.000	60.000	3.144	6.762	140743.167	142899.930	1.509
Aliphatic C12-C16	5773033.000	40.000	6.763	10.194	144325.825	145118.273	0.546
Aliphatic C16-C21	8667899.000	60.000	10.195	13.554	144464.983	144401.245	-0.044
Aliphatic C21-C28	11602016.000	80.000	13.555	17.208	145025.200	142154.874	-2.019
Aliphatic C28-C40	17419412.000	120.000	17.209	22.057	145161.767	138303.281	-4.959
Aliphatic EPH	51906950.000	360.000	3.144	22.057	144185.972	141698.847	-1.755

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:	31 Oct 2024 00:28
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050916.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.144	6.762	8444590.000	60.000	ug/ml
Aliphatic C12-C16	6.763	10.194	5773033.000	40.000	ug/ml
Aliphatic C16-C21	10.195	13.554	8667899.000	60.000	ug/ml
Aliphatic C21-C28	13.555	17.208	11602016.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.057	17419412.000	120.000	ug/ml
Aliphatic EPH	3.144	22.057	51906950.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050916.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 00:28
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

Integration File: autoint1.e
Quant Time: Oct 31 05:19:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.857	3106833	19.706 ug/ml
Spiked Amount	50.000		Recovery =	39.41%
12) S	1-chlorooctadecane (S...	13.290	2403883	20.321 ug/ml
Spiked Amount	50.000		Recovery =	40.64%
	Target Compounds			
1) T	n-Nonane (C9)	3.244	2750806	19.469 ug/ml
2) T	n-Decane (C10)	4.495	2836917	19.773 ug/ml
3) T	A~Naphthalene (C11.7)	6.208	2733098	19.114 ug/ml
4) T	n-Dodecane (C12)	6.663	2856867	19.848 ug/ml
5) T	A~2-methylnaphthalene...	7.304	2556776	19.299 ug/ml
6) T	n-Tetradecane (C14)	8.490	2831984	19.795 ug/ml
7) T	n-Hexadecane (C16)	10.095	2941049	19.984 ug/ml
8) T	n-Octadecane (C18)	11.537	2981018	19.957 ug/ml
10) T	n-Eicosane (C20)	12.844	2870047	20.014 ug/ml
11) T	n-Heneicosane (C21)	13.455	2816834	20.058 ug/ml
13) T	n-Docosane (C22)	14.041	2837761	20.227 ug/ml
14) T	n-Tetracosane (C24)	15.142	2826637	20.008 ug/ml
15) T	n-Hexacosane (C26)	16.162	2871360	20.405 ug/ml
16) T	n-Octacosane (C28)	17.111	3066258	20.954 ug/ml
17) T	n-Tricontane (C30)	17.998	3477829	21.873 ug/ml
18) T	n-Dotriacontane (C32)	18.829	3656827	22.557 ug/ml
19) T	n-Tetratriacontane (C34)	19.612	3249213	22.120 ug/ml
20) T	n-Hexatriacontane (C36)	20.351	2682431	21.152 ug/ml
21) T	n-Octatriacontane (C38)	21.076	2423409	19.599 ug/ml
22) T	n-Tetracontane (C40)	21.958	1929703	17.330 ug/ml

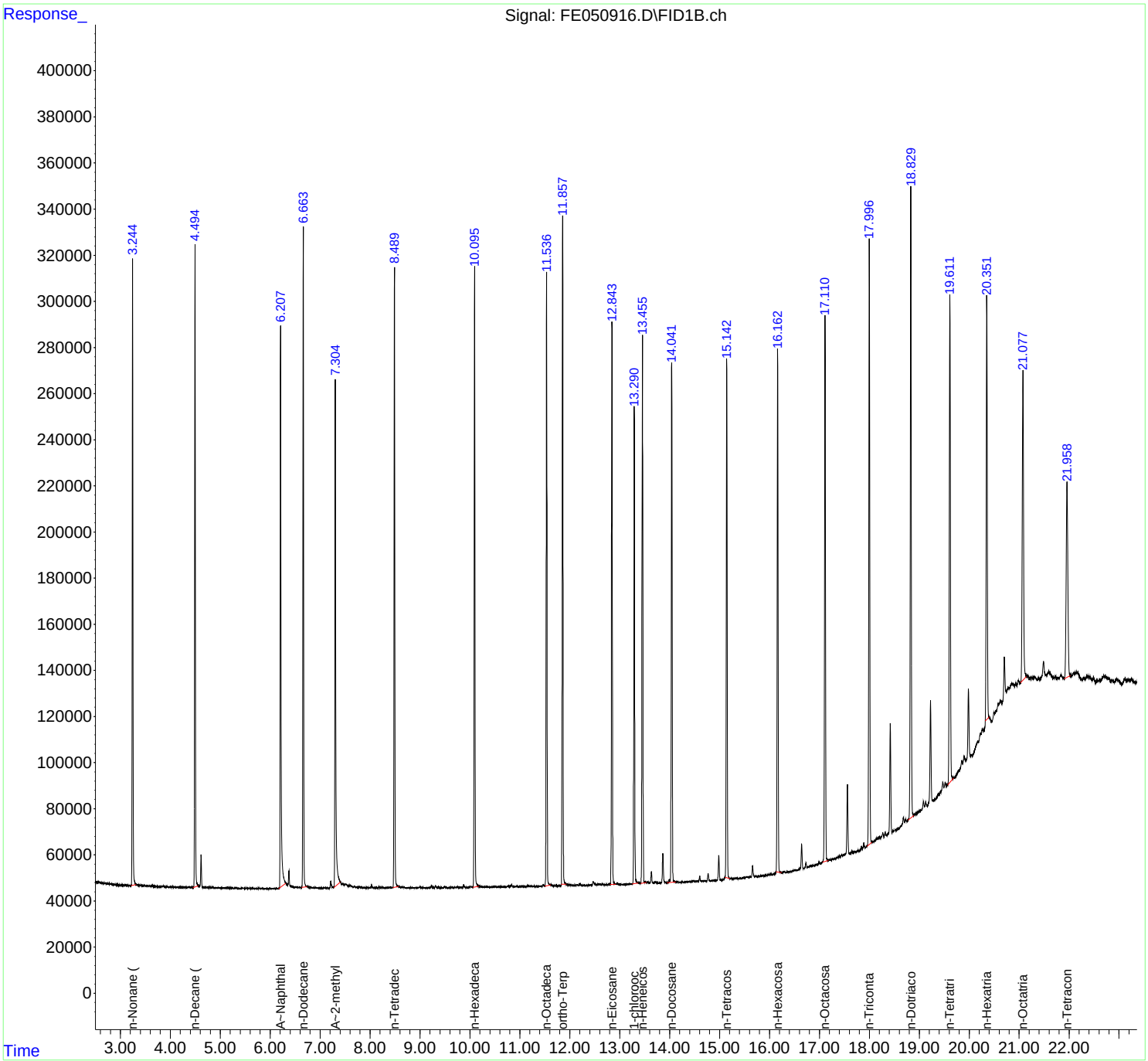
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050916.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 00:28
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

Integration File: autoint1.e
Quant Time: Oct 31 05:19:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050916.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 00:28
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 100824.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	3.244	3.211	3.318	BB	271845	2750806	75.22%	4.387%
2	4.495	4.458	4.558	BB	278789	2836917	77.58%	4.524%
3	6.208	6.171	6.315	BB	242181	2733098	74.74%	4.358%
4	6.663	6.631	6.738	BB	286578	2856867	78.12%	4.556%
5	7.304	7.275	7.405	BB	218910	2556776	69.92%	4.077%
6	8.490	8.455	8.571	BB	265843	2831984	77.44%	4.516%
7	10.095	10.055	10.178	BB	267855	2941049	80.43%	4.690%
8	11.537	11.495	11.615	BB	264028	2981018	81.52%	4.754%
9	11.857	11.831	11.931	BB	290391	3106833	84.96%	4.954%
10	12.844	12.805	12.921	BB	245800	2870047	78.48%	4.577%
11	13.290	13.248	13.371	BB	205501	2403883	65.74%	3.833%
12	13.455	13.418	13.538	BB	236829	2816834	77.03%	4.492%
13	14.041	13.951	14.115	BB	225603	2837761	77.60%	4.525%
14	15.142	15.111	15.200	BBA	225571	2826637	77.30%	4.508%
15	16.162	16.131	16.245	BB	225295	2871360	78.52%	4.579%
16	17.111	17.061	17.175	BB	236570	3066258	83.85%	4.890%
17	17.998	17.951	18.048	BB	261941	3477829	95.11%	5.546%
18	18.829	18.781	18.891	BB	273320	3656827	100.00%	5.832%
19	19.612	19.571	19.678	BB	211706	3249213	88.85%	5.182%
20	20.351	20.321	20.400	BBA	183201	2682431	73.35%	4.278%
21	21.076	21.031	21.145	BB	135013	2423409	66.27%	3.865%
22	21.958	21.901	22.028	BB	84791	1929703	52.77%	3.077%
			Sum of corrected areas:			62707540		

Aliphatic EPH 100824.M Thu Oct 31 05:40:02 2024

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

Continuing Calibration Report for SequenceID : FE103024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050932.D**						
Aliphatic C9-C12	8656010.000	60.000	3.144	6.762	144266.833	142899.930	-0.957
Aliphatic C12-C16	5967176.000	40.000	6.763	10.194	149179.400	145118.273	-2.798
Aliphatic C16-C21	8948412.000	60.000	10.195	13.554	149140.200	144401.245	-3.282
Aliphatic C21-C28	11864647.000	80.000	13.555	17.208	148308.088	142154.874	-4.329
Aliphatic C28-C40	18321940.000	120.000	17.209	22.057	152682.833	138303.281	-10.397
Aliphatic EPH	53758185.000	360.000	3.144	22.057	149328.292	141698.847	-5.384

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:	31 Oct 2024 09:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050932.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.144	6.762	8656010.000	60.000	ug/ml
Aliphatic C12-C16	6.763	10.194	5967176.000	40.000	ug/ml
Aliphatic C16-C21	10.195	13.554	8948412.000	60.000	ug/ml
Aliphatic C21-C28	13.555	17.208	11864647.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.057	18321940.000	120.000	ug/ml
Aliphatic EPH	3.144	22.057	53758185.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050932.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 09:00
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 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 09:30:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.856	3182246	20.185 ug/ml
Spiked Amount	50.000		Recovery =	40.37%
12) S	1-chlorooctadecane (S...	13.289	2463537	20.826 ug/ml
Spiked Amount	50.000		Recovery =	41.65%
	Target Compounds			
1) T	n-Nonane (C9)	3.245	2807276	19.869 ug/ml
2) T	n-Decane (C10)	4.495	2905239	20.249 ug/ml
3) T	A~Naphthalene (C11.7)	6.207	2848724	19.922 ug/ml
4) T	n-Dodecane (C12)	6.662	2943495	20.450 ug/ml
5) T	A~2-methylnaphthalene...	7.302	2621093	19.785 ug/ml
6) T	n-Tetradecane (C14)	8.489	2925001	20.445 ug/ml
7) T	n-Hexadecane (C16)	10.094	3042175	20.671 ug/ml
8) T	n-Octadecane (C18)	11.535	3081986	20.633 ug/ml
10) T	n-Eicosane (C20)	12.842	2962018	20.656 ug/ml
11) T	n-Heneicosane (C21)	13.453	2904408	20.682 ug/ml
13) T	n-Docosane (C22)	14.038	2899866	20.670 ug/mlm
14) T	n-Tetracosane (C24)	15.140	2885921	20.427 ug/ml
15) T	n-Hexacosane (C26)	16.159	2922801	20.771 ug/ml
16) T	n-Octacosane (C28)	17.108	3156059	21.568 ug/ml
17) T	n-Tricontane (C30)	17.995	3614427	22.732 ug/ml
18) T	n-Dotriacontane (C32)	18.826	3817650	23.549 ug/ml
19) T	n-Tetratriacontane (C34)	19.609	3411096	23.222 ug/ml
20) T	n-Hexatriacontane (C36)	20.347	2859936	22.552 ug/mlm
21) T	n-Octatriacontane (C38)	21.072	2518045	20.365 ug/ml
22) T	n-Tetracontane (C40)	21.955	2100786	18.866 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
Data File : FE050932.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 09:00
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

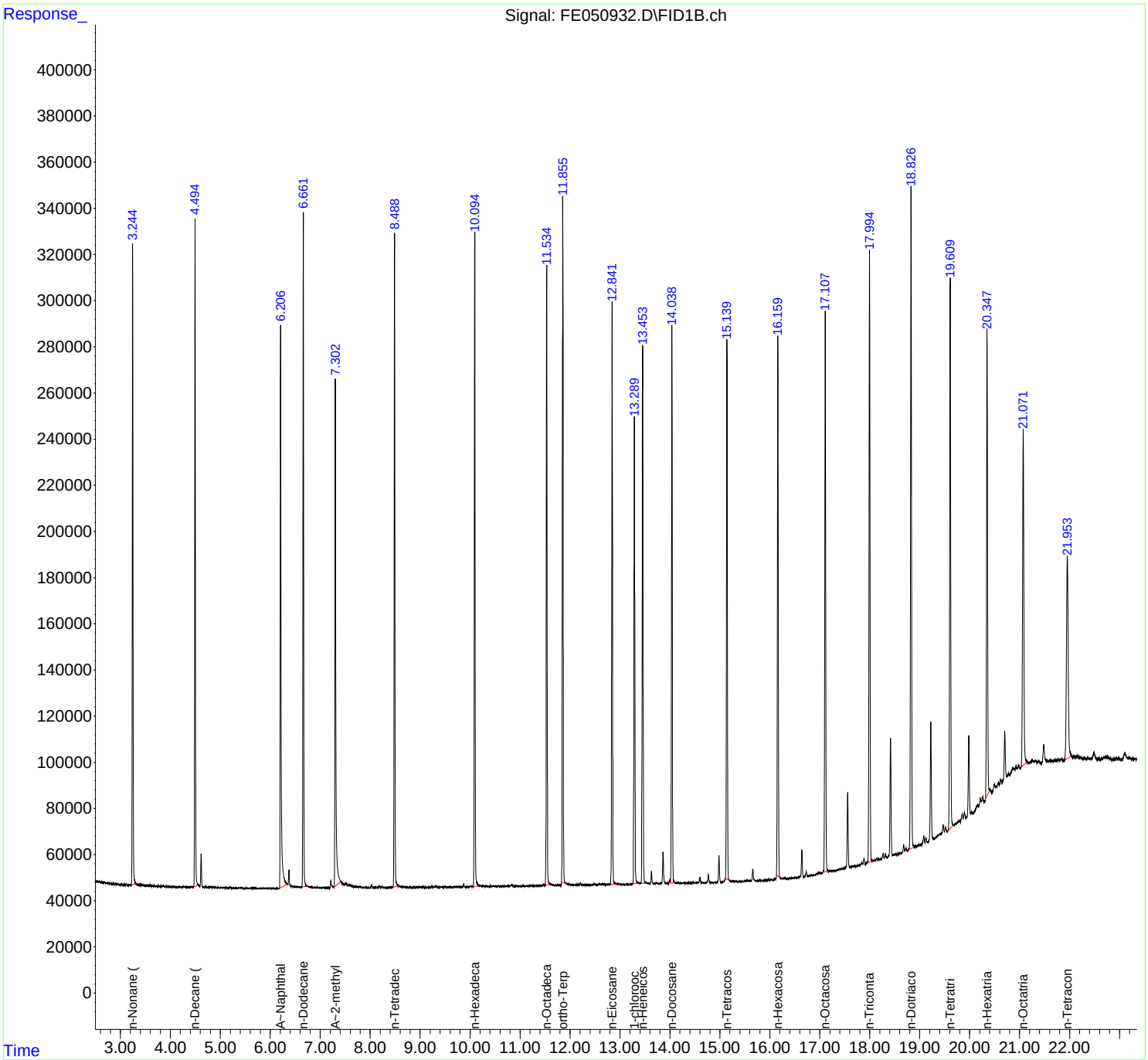
Integration File: autoint1.e
Quant Time: Oct 31 09:30:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10302
Data File : FE050932.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 09:00
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 100824.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	3.245	3.211	3.308	BB	277157	2807276	73.53%	4.321%
2	4.495	4.461	4.555	BB	288657	2905239	76.10%	4.472%
3	6.207	6.178	6.338	BB	238789	2848724	74.62%	4.385%
4	6.662	6.631	6.741	BB	291093	2943495	77.10%	4.531%
5	7.302	7.271	7.411	BB	218662	2621093	68.66%	4.035%
6	8.489	8.451	8.568	BB	281198	2925001	76.62%	4.503%
7	10.094	10.058	10.181	BB	284785	3042175	79.69%	4.683%
8	11.535	11.498	11.615	BB	268852	3081986	80.73%	4.744%
9	11.856	11.831	11.928	BB	296694	3182246	83.36%	4.899%
10	12.842	12.801	12.921	BB	253240	2962018	77.59%	4.560%
11	13.289	13.245	13.371	BB	202589	2463537	64.53%	3.792%
12	13.453	13.415	13.535	BB	235945	2904408	76.08%	4.471%
13	14.038	13.965	14.118	BB	241110	2924879	76.61%	4.502%
14	15.140	15.111	15.200	BBA	233566	2885921	75.59%	4.442%
15	16.159	16.131	16.238	BB	232495	2922801	76.56%	4.499%
16	17.108	17.061	17.175	BB	242416	3156059	82.67%	4.858%
17	17.995	17.951	18.061	BB	265059	3614427	94.68%	5.564%
18	18.826	18.781	18.895	BB	286420	3817650	100.00%	5.877%
19	19.609	19.571	19.671	BB	238252	3411096	89.35%	5.251%
20	20.348	20.311	20.428	BB	201905	2923491	76.58%	4.500%
21	21.072	21.031	21.151	BB	145449	2518045	65.96%	3.876%
22	21.955	21.901	22.038	BB	87515	2100786	55.03%	3.234%
			Sum of corrected areas:			64962351		

Aliphatic EPH 100824.M Fri Nov 01 00:14:47 2024

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

Continuing Calibration Report for SequenceID : FE103124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050940.D**						
Aliphatic C9-C12	7706650.000	60.000	3.144	6.761	128444.167	142899.930	10.116
Aliphatic C12-C16	5287998.000	40.000	6.762	10.193	132199.950	145118.273	8.902
Aliphatic C16-C21	7945381.000	60.000	10.194	13.552	132423.017	144401.245	8.295
Aliphatic C21-C28	10649347.000	80.000	13.553	17.208	133116.838	142154.874	6.358
Aliphatic C28-C40	16143617.000	120.000	17.209	22.054	134530.142	138303.281	2.728
Aliphatic EPH	47732993.000	360.000	3.144	22.054	132591.647	141698.847	6.427

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:	31 Oct 2024 13:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050940.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.144	6.761	7706650.000	60.000	ug/ml
Aliphatic C12-C16	6.762	10.193	5287998.000	40.000	ug/ml
Aliphatic C16-C21	10.194	13.552	7945381.000	60.000	ug/ml
Aliphatic C21-C28	13.553	17.208	10649347.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.054	16143617.000	120.000	ug/ml
Aliphatic EPH	3.144	22.054	47732993.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050940.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 13:32
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 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 14:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.855	2845611	18.050 ug/mlm
Spiked Amount	50.000		Recovery =	36.10%
12) S	1-chlorooctadecane (S...	13.288	2180579	18.434 ug/ml
Spiked Amount	50.000		Recovery =	36.87%
	Target Compounds			
1) T	n-Nonane (C9)	3.244	2508093	17.751 ug/ml
2) T	n-Decane (C10)	4.494	2587501	18.034 ug/ml
3) T	A~Naphthalene (C11.7)	6.206	2464077	17.232 ug/ml
4) T	n-Dodecane (C12)	6.661	2611056	18.141 ug/ml
5) T	A~2-methylnaphthalene...	7.302	2296120	17.332 ug/ml
6) T	n-Tetradecane (C14)	8.488	2596062	18.146 ug/ml
7) T	n-Hexadecane (C16)	10.093	2691936	18.291 ug/ml
8) T	n-Octadecane (C18)	11.534	2736665	18.321 ug/ml
10) T	n-Eicosane (C20)	12.841	2631784	18.353 ug/ml
11) T	n-Heneicosane (C21)	13.453	2576932	18.350 ug/ml
13) T	n-Docosane (C22)	14.039	2597420	18.514 ug/ml
14) T	n-Tetracosane (C24)	15.139	2578044	18.248 ug/ml
15) T	n-Hexacosane (C26)	16.158	2647279	18.813 ug/mlm
16) T	n-Octacosane (C28)	17.107	2826604	19.317 ug/ml
17) T	n-Tricontane (C30)	17.994	3225694	20.287 ug/ml
18) T	n-Dotriacontane (C32)	18.826	3378071	20.838 ug/ml
19) T	n-Tetratriacontane (C34)	19.608	2984873	20.320 ug/ml
20) T	n-Hexatriacontane (C36)	20.347	2505694	19.759 ug/mlm
21) T	n-Octatriacontane (C38)	21.070	2192018	17.728 ug/ml
22) T	n-Tetracontane (C40)	21.954	1857267	16.679 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050940.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 13:32
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

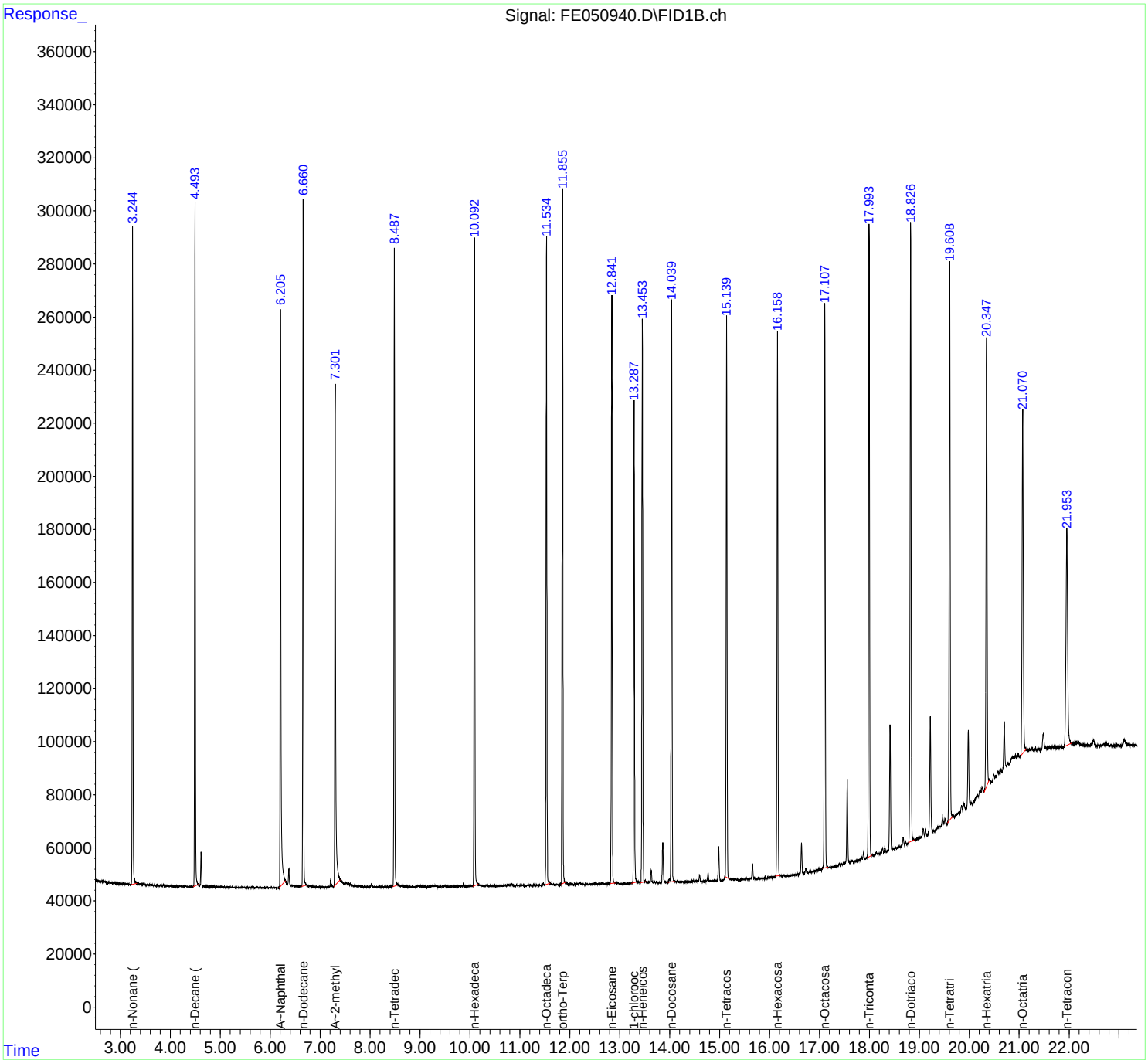
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 14:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050940.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 13:32
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 100824.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	3.244	3.211	3.325	BB	246278	2508093	74.25%	4.366%
2	4.494	4.458	4.558	BB	257210	2587501	76.60%	4.504%
3	6.206	6.178	6.305	BB	217312	2464077	72.94%	4.290%
4	6.661	6.631	6.728	BB	258480	2611056	77.29%	4.545%
5	7.302	7.271	7.401	BB	188373	2296120	67.97%	3.997%
6	8.488	8.455	8.555	BB	240681	2596062	76.85%	4.519%
7	10.093	10.055	10.158	BB	242093	2691936	79.69%	4.686%
8	11.534	11.495	11.601	BB	243007	2736665	81.01%	4.764%
9	11.855	11.831	11.921	BB	259706	2807598	83.11%	4.888%
10	12.841	12.805	12.908	BB	221696	2631784	77.91%	4.582%
11	13.288	13.241	13.351	BB	181501	2180579	64.55%	3.796%
12	13.453	13.418	13.521	BB	211770	2576932	76.28%	4.486%
13	14.039	13.965	14.105	BB	217791	2597420	76.89%	4.522%
14	15.139	15.111	15.200	BBA	208538	2578044	76.32%	4.488%
15	16.159	16.131	16.221	BB	203313	2605332	77.12%	4.535%
16	17.107	17.061	17.175	BB	211671	2826604	83.68%	4.921%
17	17.994	17.951	18.045	BB	238766	3225694	95.49%	5.615%
18	18.826	18.781	18.891	BB	232071	3378071	100.00%	5.881%
19	19.608	19.571	19.668	BB	210223	2984873	88.36%	5.196%
20	20.348	20.311	20.415	BB	168879	2509654	74.29%	4.369%
21	21.070	21.031	21.138	BB	129536	2192018	64.89%	3.816%
22	21.954	21.901	22.045	BB	81705	1857267	54.98%	3.233%
			Sum of corrected areas:			57443378		

Aliphatic EPH 100824.M Thu Oct 31 14:49:59 2024

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

Continuing Calibration Report for SequenceID : FE103124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050958.D**						
Aliphatic C9-C12	7940721.000	60.000	3.144	6.761	132345.350	142899.930	7.386
Aliphatic C12-C16	5442066.000	40.000	6.762	10.193	136051.650	145118.273	6.248
Aliphatic C16-C21	8192428.000	60.000	10.194	13.552	136540.467	144401.245	5.444
Aliphatic C21-C28	11016184.000	80.000	13.553	17.208	137702.300	142154.874	3.132
Aliphatic C28-C40	16905004.000	120.000	17.209	22.054	140875.033	138303.281	-1.860
Aliphatic EPH	49496403.000	360.000	3.144	22.054	137490.008	141698.847	2.970

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:	31 Oct 2024 23:06
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050958.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.144	6.761	7940721.000	60.000	ug/ml
Aliphatic C12-C16	6.762	10.193	5442066.000	40.000	ug/ml
Aliphatic C16-C21	10.194	13.552	8192428.000	60.000	ug/ml
Aliphatic C21-C28	13.553	17.208	11016184.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.054	16905004.000	120.000	ug/ml
Aliphatic EPH	3.144	22.054	49496403.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050958.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 23:06
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 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:45:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.852	2954655	18.741 ug/mlm
Spiked Amount	50.000		Recovery =	37.48%
12) S	1-chlorooctadecane (S...	13.286	2257703	19.086 ug/ml
Spiked Amount	50.000		Recovery =	38.17%
	Target Compounds			
1) T	n-Nonane (C9)	3.241	2581126	18.268 ug/ml
2) T	n-Decane (C10)	4.492	2669090	18.603 ug/ml
3) T	A~Naphthalene (C11.7)	6.204	2565172	17.939 ug/ml
4) T	n-Dodecane (C12)	6.659	2690505	18.693 ug/ml
5) T	A~2-methylnaphthalene...	7.300	2368135	17.875 ug/ml
6) T	n-Tetradecane (C14)	8.485	2670952	18.669 ug/ml
7) T	n-Hexadecane (C16)	10.091	2771114	18.829 ug/ml
8) T	n-Octadecane (C18)	11.532	2815893	18.852 ug/ml
10) T	n-Eicosane (C20)	12.840	2717036	18.947 ug/ml
11) T	n-Heneicosane (C21)	13.451	2659499	18.938 ug/ml
13) T	n-Docosane (C22)	14.036	2667978	19.017 ug/mlm
14) T	n-Tetracosane (C24)	15.137	2695552	19.080 ug/mlm
15) T	n-Hexacosane (C26)	16.156	2737567	19.454 ug/mlm
16) T	n-Octacosane (C28)	17.106	2915087	19.921 ug/ml
17) T	n-Tricontane (C30)	17.993	3343558	21.028 ug/ml
18) T	n-Dotriacontane (C32)	18.825	3501970	21.602 ug/ml
19) T	n-Tetratriacontane (C34)	19.607	3119785	21.239 ug/ml
20) T	n-Hexatriacontane (C36)	20.346	2653226	20.922 ug/ml
21) T	n-Octatriacontane (C38)	21.070	2309463	18.678 ug/ml
22) T	n-Tetracontane (C40)	21.951	1977002	17.755 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
Data File : FE050958.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 23:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

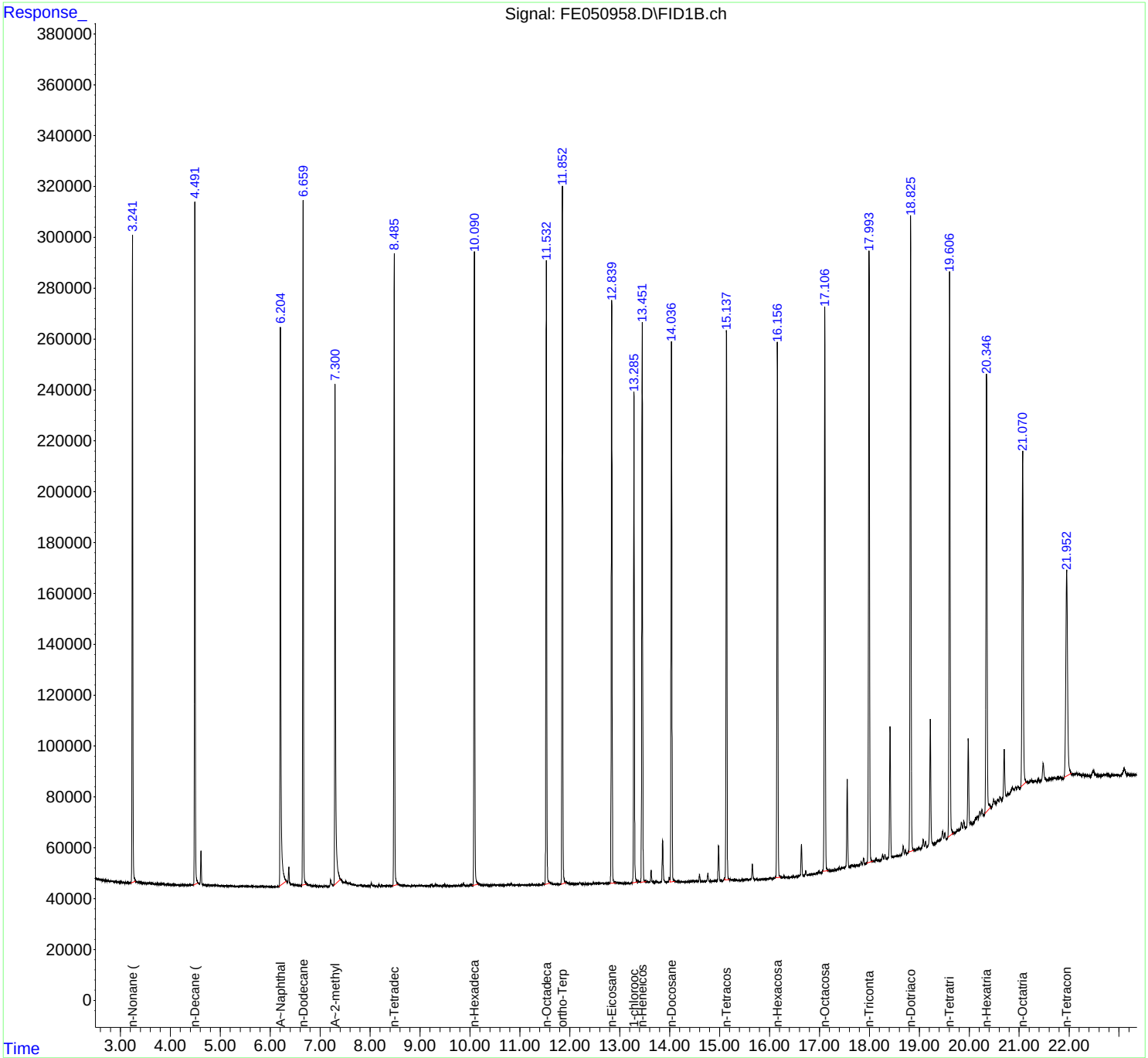
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 03:45:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10312
Data File : FE050958.D
Signal(s) : FID1B.ch
Acq On : 31 Oct 2024 23:06
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 100824.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	3.241	3.211	3.304	BB	253779	2581126	73.70%	4.345%
2	4.492	4.454	4.554	BB	267219	2669090	76.22%	4.493%
3	6.204	6.171	6.324	BB	218599	2565172	73.25%	4.318%
4	6.659	6.631	6.728	BB	267979	2690505	76.83%	4.529%
5	7.300	7.268	7.408	BB	194899	2368135	67.62%	3.986%
6	8.485	8.448	8.561	BB	248979	2670952	76.27%	4.496%
7	10.091	10.051	10.171	BB	248560	2771114	79.13%	4.665%
8	11.532	11.491	11.604	BB	244231	2815893	80.41%	4.740%
9	11.852	11.831	11.928	BB	272595	2865426	81.82%	4.823%
10	12.840	12.801	12.921	BB	229714	2717036	77.59%	4.573%
11	13.286	13.244	13.364	BB	193423	2257703	64.47%	3.800%
12	13.451	13.414	13.528	BB	220794	2659499	75.94%	4.477%
13	14.036	13.961	14.111	BB	211973	2685952	76.70%	4.521%
14	15.137	15.111	15.199	BBA	214855	2631642	75.15%	4.430%
15	16.157	16.131	16.238	BB	206297	2639015	75.36%	4.442%
16	17.106	17.061	17.181	BB	221402	2915087	83.24%	4.907%
17	17.993	17.951	18.071	BB	241691	3343558	95.48%	5.628%
18	18.825	18.781	18.894	BB	249499	3501970	100.00%	5.895%
19	19.607	19.571	19.688	BB	218101	3119785	89.09%	5.251%
20	20.346	20.311	20.428	BB	172189	2653226	75.76%	4.466%
21	21.070	21.031	21.144	BB	131834	2309463	65.95%	3.887%
22	21.951	21.901	22.041	BB	80768	1977002	56.45%	3.328%
			Sum of corrected areas:			59408350		

Aliphatic EPH 100824.M Fri Nov 01 09:12:06 2024

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

Continuing Calibration Report for SequenceID : FE110124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050961.D**						
Aliphatic C9-C12	7797470.000	60.000	3.143	6.761	129957.833	142899.930	9.057
Aliphatic C12-C16	5398834.000	40.000	6.762	10.193	134970.850	145118.273	6.993
Aliphatic C16-C21	8171537.000	60.000	10.194	13.552	136192.283	144401.245	5.685
Aliphatic C21-C28	12032989.000	80.000	13.553	17.208	150412.363	142154.874	-5.809
Aliphatic C28-C40	17637751.000	120.000	17.209	22.051	146981.258	138303.281	-6.275
Aliphatic EPH	51038581.000	360.000	3.143	22.051	141773.836	141698.847	-0.053

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Nov 2024 10:53
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050961.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.143	6.761	7797470.000	60.000	ug/ml
Aliphatic C12-C16	6.762	10.193	5398834.000	40.000	ug/ml
Aliphatic C16-C21	10.194	13.552	8171537.000	60.000	ug/ml
Aliphatic C21-C28	13.553	17.208	12032989.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.051	17637751.000	120.000	ug/ml
Aliphatic EPH	3.143	22.051	51038581.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
Data File : FE050961.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 10:53
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: sample.E
Quant Time: Nov 04 03:09:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.854	2861508	18.150 ug/ml
Spiked Amount	50.000		Recovery =	36.30%
12) S	1-chlorooctadecane (S...	13.287	2229352	18.846 ug/ml
Spiked Amount	50.000		Recovery =	37.69%
	Target Compounds			
1) T	n-Nonane (C9)	3.243	2524364	17.866 ug/ml
2) T	n-Decane (C10)	4.493	2620069	18.261 ug/ml
3) T	A~Naphthalene (C11.7)	6.205	2496970	17.462 ug/ml
4) T	n-Dodecane (C12)	6.661	2653037	18.432 ug/ml
5) T	A~2-methylnaphthalene...	7.301	2329709	17.585 ug/ml
6) T	n-Tetradecane (C14)	8.487	2645376	18.490 ug/ml
7) T	n-Hexadecane (C16)	10.093	2753458	18.709 ug/ml
8) T	n-Octadecane (C18)	11.534	2804852	18.778 ug/ml
10) T	n-Eicosane (C20)	12.841	2720066	18.968 ug/ml
11) T	n-Heneicosane (C21)	13.452	2646619	18.846 ug/ml
13) T	n-Docosane (C22)	14.038	2740858	19.536 ug/ml
14) T	n-Tetracosane (C24)	15.140	2912508	20.616 ug/mlm
15) T	n-Hexacosane (C26)	16.159	3057018	21.725 ug/mlm
16) T	n-Octacosane (C28)	17.108	3322605	22.706 ug/ml
17) T	n-Tricontane (C30)	17.995	3695477	23.242 ug/ml
18) T	n-Dotriacontane (C32)	18.825	3753998	23.157 ug/ml
19) T	n-Tetratriacontane (C34)	19.607	3254391	22.155 ug/ml
20) T	n-Hexatriacontane (C36)	20.347	2731852	21.542 ug/ml
21) T	n-Octatriacontane (C38)	21.069	2281180	18.449 ug/ml
22) T	n-Tetracontane (C40)	21.951	1920853	17.251 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
Data File : FE050961.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 10:53
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

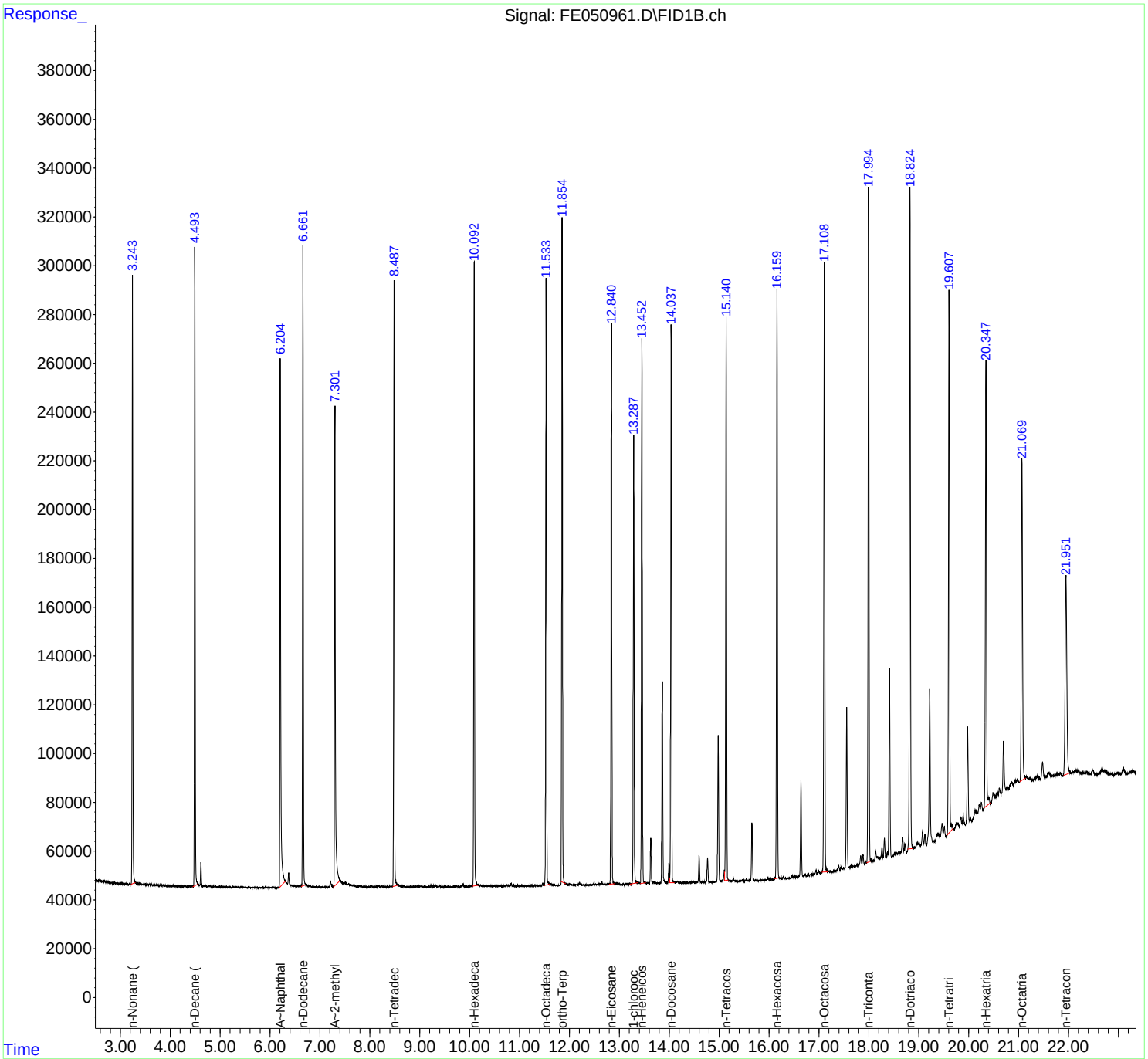
Integration File: sample.E
Quant Time: Nov 04 03:09:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11012
Data File : FE050961.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 10:53
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.243	3.211	3.304	BB	248934	2524364	67.24%	4.152%
2	4.493	4.458	4.554	BB	260470	2620069	69.79%	4.309%
3	6.205	6.181	6.308	BB	216150	2496970	66.51%	4.107%
4	6.661	6.631	6.721	BB	262668	2653037	70.67%	4.364%
5	7.301	7.271	7.408	BB	195915	2329709	62.06%	3.832%
6	8.487	8.454	8.561	BB	247462	2645376	70.47%	4.351%
7	10.093	10.058	10.184	BB	253089	2753458	73.35%	4.529%
8	11.534	11.498	11.611	BB	247538	2804852	74.72%	4.613%
9	11.854	11.831	11.921	BB	271842	2861508	76.23%	4.706%
10	12.841	12.804	12.918	BB	229478	2720066	72.46%	4.474%
11	13.287	13.214	13.364	BB	184161	2229352	59.39%	3.667%
12	13.452	13.418	13.524	BB	221941	2646619	70.50%	4.353%
13	14.038	14.009	14.108	VB	227669	2740858	73.01%	4.508%
14	15.140	15.111	15.199	BBA	228249	2811623	74.90%	4.624%
15	16.159	16.131	16.234	BB	238041	3001223	79.95%	4.936%
16	17.108	17.061	17.181	BB	248979	3322605	88.51%	5.465%
17	17.995	17.954	18.041	BB	277616	3695477	98.44%	6.078%
18	18.825	18.781	18.894	BB	270300	3753998	100.00%	6.174%
19	19.607	19.571	19.691	BB	222183	3254391	86.69%	5.353%
20	20.347	20.311	20.428	BB	182336	2731852	72.77%	4.493%
21	21.069	21.031	21.144	BB	132368	2281180	60.77%	3.752%
22	21.951	21.901	22.038	BB	81550	1920853	51.17%	3.159%
			Sum of corrected areas:			60799441		

Aliphatic EPH 100824.M Mon Nov 04 04:31:42 2024

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

Continuing Calibration Report for SequenceID : FE110124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050964.D**						
Aliphatic C9-C12	7605648.000	60.000	3.143	6.761	126760.800	142899.930	11.294
Aliphatic C12-C16	5284424.000	40.000	6.762	10.193	132110.600	145118.273	8.963
Aliphatic C16-C21	8023053.000	60.000	10.194	13.552	133717.550	144401.245	7.399
Aliphatic C21-C28	10728459.000	80.000	13.553	17.208	134105.738	142154.874	5.662
Aliphatic C28-C40	16555120.000	120.000	17.209	22.051	137959.333	138303.281	0.249
Aliphatic EPH	48196704.000	360.000	3.143	22.051	133879.733	141698.847	5.518

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Nov 2024 12:24
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050964.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.143	6.761	7605648.000	60.000	ug/ml
Aliphatic C12-C16	6.762	10.193	5284424.000	40.000	ug/ml
Aliphatic C16-C21	10.194	13.552	8023053.000	60.000	ug/ml
Aliphatic C21-C28	13.553	17.208	10728459.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.051	16555120.000	120.000	ug/ml
Aliphatic EPH	3.143	22.051	48196704.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
Data File : FE050964.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 12:24
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 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: sample.E
Quant Time: Nov 04 03:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.853	2885923	18.305 ug/mlm
Spiked Amount	50.000		Recovery =	36.61%
12) S	1-chlorooctadecane (S...	13.287	2202363	18.618 ug/ml
Spiked Amount	50.000		Recovery =	37.24%
	Target Compounds			
1) T	n-Nonane (C9)	3.244	2464238	17.441 ug/ml
2) T	n-Decane (C10)	4.493	2556320	17.817 ug/ml
3) T	A~Naphthalene (C11.7)	6.206	2458120	17.191 ug/ml
4) T	n-Dodecane (C12)	6.660	2585090	17.960 ug/ml
5) T	A~2-methylnaphthalene...	7.301	2290998	17.293 ug/ml
6) T	n-Tetradecane (C14)	8.487	2593453	18.128 ug/ml
7) T	n-Hexadecane (C16)	10.092	2690971	18.285 ug/ml
8) T	n-Octadecane (C18)	11.533	2754607	18.442 ug/ml
10) T	n-Eicosane (C20)	12.841	2659877	18.549 ug/ml
11) T	n-Heneicosane (C21)	13.451	2608569	18.575 ug/ml
13) T	n-Docosane (C22)	14.037	2596710	18.509 ug/mlm
14) T	n-Tetracosane (C24)	15.139	2605454	18.442 ug/ml
15) T	n-Hexacosane (C26)	16.158	2644025	18.790 ug/ml
16) T	n-Octacosane (C28)	17.108	2882270	19.697 ug/ml
17) T	n-Tricontane (C30)	17.994	3315309	20.851 ug/ml
18) T	n-Dotriacontane (C32)	18.826	3481146	21.473 ug/ml
19) T	n-Tetratriacontane (C34)	19.608	3074989	20.934 ug/ml
20) T	n-Hexatriacontane (C36)	20.346	2551536	20.120 ug/ml
21) T	n-Octatriacontane (C38)	21.071	2243400	18.144 ug/ml
22) T	n-Tetracontane (C40)	21.952	1888740	16.962 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
Data File : FE050964.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 12:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

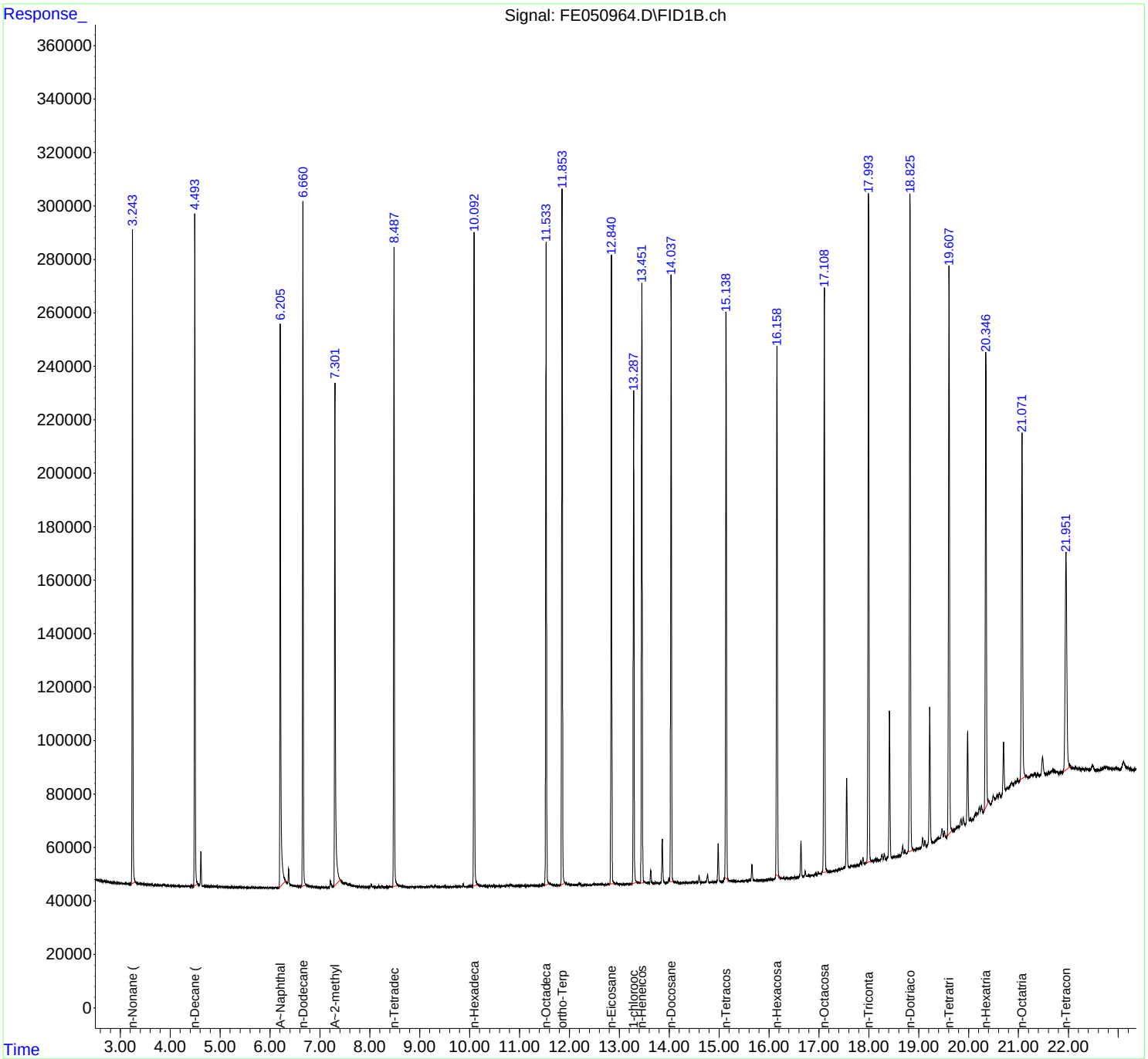
Integration File: sample.E
Quant Time: Nov 04 03:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11012
Data File : FE050964.D
Signal(s) : FID1B.ch
Acq On : 01 Nov 2024 12:24
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 100824.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	3.244	3.211	3.304	BB	242971	2464238	70.79%	4.248%
2	4.493	4.458	4.554	BB	250066	2556320	73.43%	4.406%
3	6.206	6.178	6.311	BB	209929	2458120	70.61%	4.237%
4	6.660	6.631	6.721	BB	256314	2585090	74.26%	4.456%
5	7.301	7.271	7.408	BB	187003	2290998	65.81%	3.949%
6	8.487	8.444	8.568	BB	240047	2593453	74.50%	4.470%
7	10.092	10.051	10.158	BB	243255	2690971	77.30%	4.638%
8	11.533	11.494	11.601	BB	240836	2754607	79.13%	4.748%
9	11.854	11.831	11.921	BB	257838	2827386	81.22%	4.874%
10	12.841	12.804	12.908	BB	233479	2659877	76.41%	4.585%
11	13.287	13.244	13.351	BB	185311	2202363	63.27%	3.796%
12	13.451	13.414	13.518	BB	224659	2608569	74.93%	4.496%
13	14.037	13.964	14.104	BB	227225	2635431	75.71%	4.543%
14	15.139	15.111	15.199	BBA	212576	2605454	74.84%	4.491%
15	16.158	16.131	16.221	BB	197709	2644025	75.95%	4.558%
16	17.108	17.061	17.174	BB	217933	2882270	82.80%	4.968%
17	17.994	17.951	18.048	BB	250740	3315309	95.24%	5.715%
18	18.826	18.781	18.891	BB	246168	3481146	100.00%	6.000%
19	19.608	19.571	19.668	BB	212057	3074989	88.33%	5.300%
20	20.346	20.311	20.394	BB	167945	2551536	73.30%	4.398%
21	21.071	21.031	21.144	BB	129572	2243400	64.44%	3.867%
22	21.952	21.901	22.041	BB	81112	1888740	54.26%	3.256%
			Sum of corrected areas:			58014289		

Aliphatic EPH 100824.M Mon Nov 04 04:32:17 2024

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

Continuing Calibration Report for SequenceID : FG103024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014576.D**						
Aromatic C21-C36	22541240.000	180.000	13.409	18.851	125229.111	142138.795	11.897
Aromatic EPH	47450518.000	360.000	4.519	18.851	131806.994	142994.913	7.824
Aromatic C10-C12	5542782.000	40.000	4.519	6.389	138569.550	139495.805	0.664
Aromatic C12-C16	8489684.000	60.000	6.390	9.089	141494.733	145452.849	2.721
Aromatic C16-C21	10876812.000	80.000	9.090	13.408	135960.150	144827.279	6.123

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:	30 Oct 2024 12:21
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014576.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.519	6.389	5542782.000	40.000	ug/ml
Aromatic C12-C16	6.390	9.089	8489684.000	60.000	ug/ml
Aromatic C16-C21	9.090	13.408	10876812.000	80.000	ug/ml
Aromatic C21-C36	13.409	18.851	22541240.000	180.000	ug/ml
Aromatic EPH	4.519	18.851	47450518.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014576.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 12:21
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:43:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.014	2435627	19.402 ug/ml
Spiked Amount	50.000		Recovery =	38.80%
6) S	2-Flurobiphenyl (SURR)	8.888	1662250	19.298 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	38.60%
11) S	ortho-Terphenyl (SURR)	11.959	2785865	18.816 ug/ml
Spiked Amount	50.000		Recovery =	37.63%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.619	2702621	19.947 ug/ml
2) T	Naphthalene (C11.7)	6.289	2840161	19.792 ug/ml
3) T	2-Methylnaphthalene (...	7.386	2868660	19.642 ug/ml
5) T	Acenaphthylene (C15.06)	8.689	2814418	19.330 ug/ml
7) T	Acenaphthene (C15.5)	8.989	2806606	19.394 ug/ml
8) T	Flouorene (C16.55)	9.779	2770170	19.121 ug/ml
9) T	Phenanthrene (C19.36)	11.187	2774026	18.847 ug/ml
10) T	Anthracene (C19.43)	11.261	2627119	18.734 ug/ml
12) T	Fluoranthene (C21.85)	13.009	2731169	18.467 ug/ml
13) T	Pyrene (C20.8)	13.308	2705497	18.403 ug/ml
14) T	Benzo[a]anthracene (C...	15.188	2572906	17.766 ug/mlm
15) T	Chrysene (C27.41)	15.231	2601164	17.733 ug/ml
16) T	benzo[b]fluoranthene ...	16.744	2569205	17.468 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.777	2408948	17.456 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.125	2499126	17.524 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.493	2305040	17.270 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.535	2412893	17.290 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.751	2440789	17.543 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014576.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 12:21
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

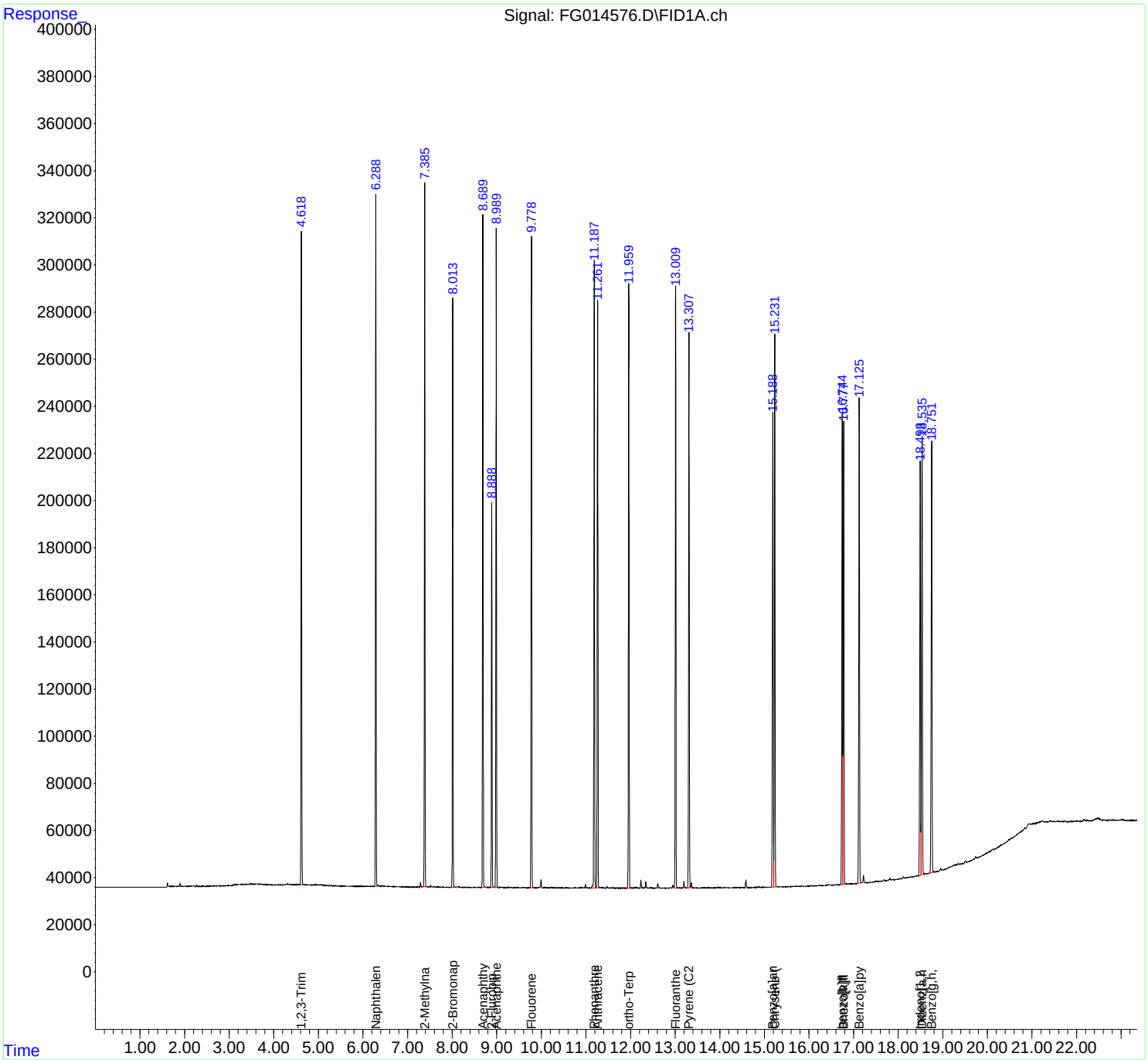
Integration File: autoint1.e
Quant Time: Oct 31 06:43:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014576.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 12:21
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.619	4.589	4.679	BB	276905	2702621	94.21%	4.974%
2	6.289	6.255	6.325	BV	293467	2840161	99.01%	5.227%
3	7.386	7.325	7.449	BB	298755	2868660	100.00%	5.279%
4	8.014	7.972	8.072	BB	247337	2435627	84.90%	4.482%
5	8.689	8.652	8.765	BB	284984	2814418	98.11%	5.179%
6	8.888	8.855	8.955	BB	163191	1662250	57.95%	3.059%
7	8.989	8.955	9.052	BB	279854	2806606	97.84%	5.165%
8	9.779	9.739	9.832	BB	276586	2770170	96.57%	5.098%
9	11.187	11.102	11.219	BV	263015	2774026	96.70%	5.105%
10	11.261	11.219	11.304	VB	250810	2627119	91.58%	4.835%
11	11.959	11.902	12.022	BB	256625	2785865	97.11%	5.127%
12	13.009	12.972	13.045	VB	254252	2731169	95.21%	5.026%
13	13.308	13.262	13.340	BV	237172	2705497	94.31%	4.979%
14	15.188	15.145	15.209	BV	202695	2576249	89.81%	4.741%
15	15.231	15.209	15.295	VB	235260	2601164	90.68%	4.787%
16	16.744	16.692	16.760	BV	198712	2565656	89.44%	4.722%
17	16.777	16.760	16.825	VB	197217	2408948	83.97%	4.433%
18	17.125	17.075	17.165	BB	206428	2499126	87.12%	4.599%
19	18.493	18.452	18.512	BV	174378	2309517	80.51%	4.250%
20	18.535	18.512	18.582	VB	186598	2412893	84.11%	4.440%
21	18.751	18.665	18.784	BB	185089	2440789	85.08%	4.492%
			Sum of corrected areas:			54338529		

Aromatic EPH 102124.M Thu Oct 31 07:06:13 2024

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

Continuing Calibration Report for SequenceID : FG103024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014587.D**						
Aromatic C21-C36	22786776.000	180.000	13.409	18.851	126593.200	142138.795	10.937
Aromatic EPH	48299723.000	360.000	4.519	18.851	134165.897	142994.913	6.174
Aromatic C10-C12	5761257.000	40.000	4.519	6.389	144031.425	139495.805	-3.251
Aromatic C12-C16	8714847.000	60.000	6.390	9.089	145247.450	145452.849	0.141
Aromatic C16-C21	11036843.000	80.000	9.090	13.408	137960.538	144827.279	4.741

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:	30 Oct 2024 22:21
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014587.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.519	6.389	5761257.000	40.000	ug/ml
Aromatic C12-C16	6.390	9.089	8714847.000	60.000	ug/ml
Aromatic C16-C21	9.090	13.408	11036843.000	80.000	ug/ml
Aromatic C21-C36	13.409	18.851	22786776.000	180.000	ug/ml
Aromatic EPH	4.519	18.851	48299723.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014587.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 22:21
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Oct 31 06:45:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.012	2506078	19.963 ug/ml
Spiked Amount	50.000		Recovery =	39.93%
6) S	2-Flurobiphenyl (SURR)	8.887	1697637	19.709 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.42%
11) S	ortho-Terphenyl (SURR)	11.958	2836234	19.156 ug/ml
Spiked Amount	50.000		Recovery =	38.31%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.617	2820296	20.816 ug/ml
2) T	Naphthalene (C11.7)	6.287	2940961	20.494 ug/ml
3) T	2-Methylnaphthalene (...	7.384	2960419	20.270 ug/ml
5) T	Acenaphthylene (C15.06)	8.688	2878382	19.770 ug/ml
7) T	Acenaphthene (C15.5)	8.988	2876046	19.874 ug/ml
8) T	Flouorene (C16.55)	9.777	2828829	19.526 ug/ml
9) T	Phenanthrene (C19.36)	11.185	2812854	19.111 ug/ml
10) T	Anthracene (C19.43)	11.260	2649121	18.891 ug/ml
12) T	Fluoranthene (C21.85)	13.008	2770543	18.733 ug/ml
13) T	Pyrene (C20.8)	13.307	2746039	18.678 ug/ml
14) T	Benzo[a]anthracene (C...	15.187	2597166	17.934 ug/mlm
15) T	Chrysene (C27.41)	15.230	2639234	17.993 ug/ml
16) T	benzo[b]fluoranthene ...	16.743	2543322	17.292 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.776	2454722	17.787 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.123	2532737	17.759 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.492	2330479	17.460 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.534	2448055	17.542 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.750	2470518	17.757 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
Data File : FG014587.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 22:21
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

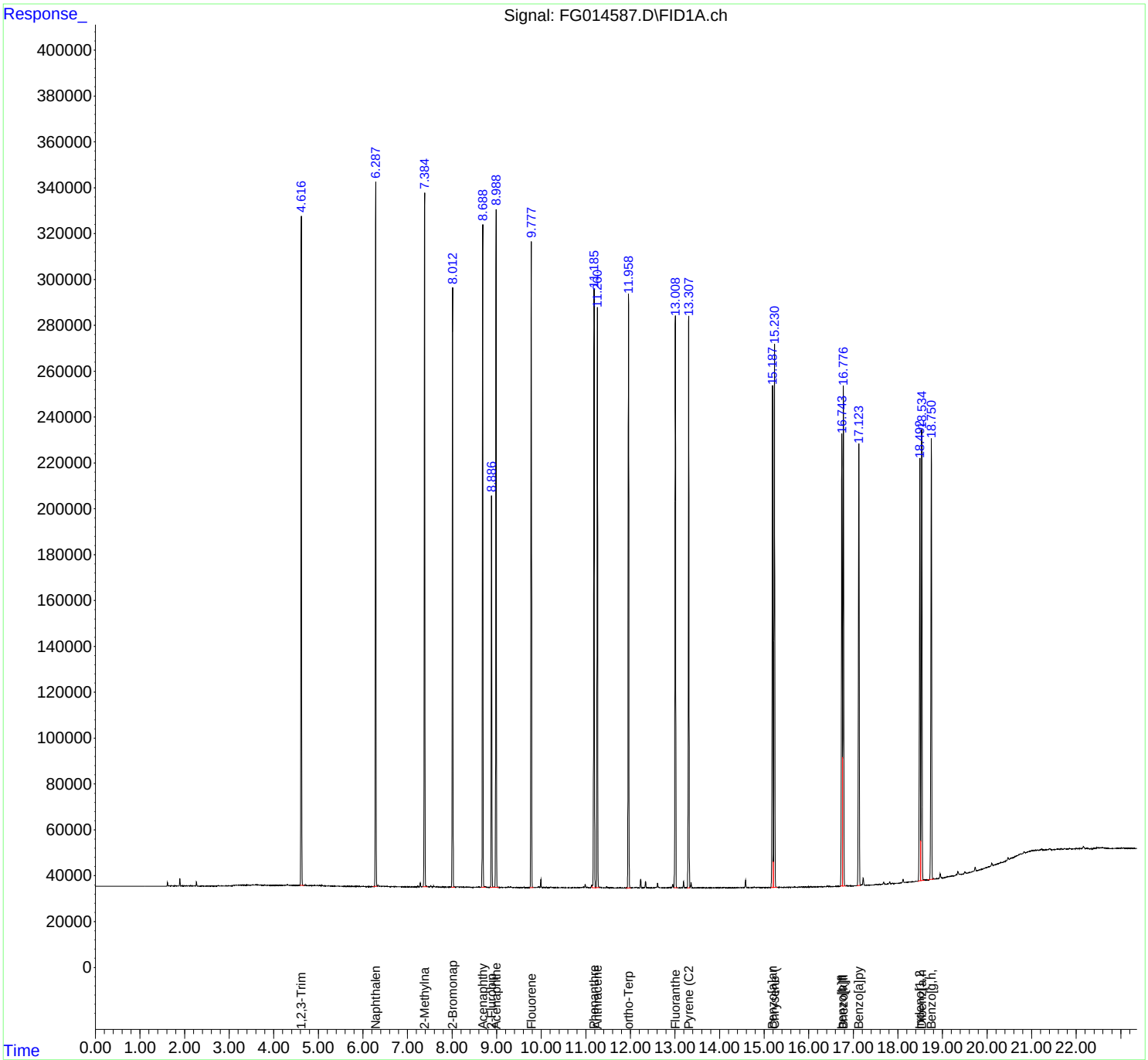
Integration File: autoint1.e
Quant Time: Oct 31 06:45:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10302
Data File : FG014587.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 22:21
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.617	4.588	4.678	BB	290626	2820296	95.27%	5.090%
2	6.287	6.235	6.322	BV	307679	2940961	99.34%	5.308%
3	7.384	7.341	7.448	BB	302917	2960419	100.00%	5.343%
4	8.012	7.981	8.065	BB	261022	2506078	84.65%	4.523%
5	8.688	8.651	8.755	BB	288286	2878382	97.23%	5.195%
6	8.887	8.855	8.948	BB	170003	1697637	57.34%	3.064%
7	8.988	8.951	9.048	BB	295769	2876046	97.15%	5.191%
8	9.777	9.738	9.828	BB	282827	2828829	95.56%	5.105%
9	11.185	11.141	11.221	VV	259850	2812854	95.02%	5.076%
10	11.260	11.221	11.306	VB	252754	2649121	89.48%	4.781%
11	11.958	11.898	12.008	BB	259290	2836234	95.81%	5.119%
12	13.008	12.971	13.061	VB	249243	2770543	93.59%	5.000%
13	13.307	13.268	13.338	BV	250972	2746039	92.76%	4.956%
14	15.187	15.138	15.207	BV	219311	2610859	88.19%	4.712%
15	15.230	15.207	15.291	VB	239227	2639234	89.15%	4.763%
16	16.743	16.691	16.759	BV	196057	2598719	87.78%	4.690%
17	16.776	16.759	16.828	VB	219887	2454722	82.92%	4.430%
18	17.123	17.078	17.159	BB	193750	2532737	85.55%	4.571%
19	18.492	18.451	18.511	BV	184535	2331466	78.75%	4.208%
20	18.534	18.511	18.601	VB	196524	2448055	82.69%	4.418%
21	18.750	18.661	18.815	BB	190511	2470518	83.45%	4.459%
			Sum of corrected areas:			55409748		

Aromatic EPH 102124.M Thu Oct 31 07:07:18 2024

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

Continuing Calibration Report for SequenceID : FG103124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014597.D**						
Aromatic C10-C12	5600658.000	40.000	4.516	6.385	140016.450	139495.805	-0.373
Aromatic C12-C16	8679787.000	60.000	6.386	9.086	144663.117	145452.849	0.543
Aromatic C16-C21	11172307.000	80.000	9.087	13.404	139653.838	144827.279	3.572
Aromatic C21-C36	23284530.000	180.000	13.405	18.847	129358.500	142138.795	8.991
Aromatic EPH	48737282.000	360.000	4.516	18.847	135381.339	142994.913	5.324

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:	31 Oct 2024 06:50
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014597.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.516	6.385	5600658.000	40.000	ug/ml
Aromatic C12-C16	6.386	9.086	8679787.000	60.000	ug/ml
Aromatic C16-C21	9.087	13.404	11172307.000	80.000	ug/ml
Aromatic C21-C36	13.405	18.847	23284530.000	180.000	ug/ml
Aromatic EPH	4.516	18.847	48737282.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014597.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 06:50
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:24:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.011	2486865	19.810 ug/ml
Spiked Amount	50.000		Recovery =	39.62%
6) S	2-Flurobiphenyl (SURR)	8.885	1702829	19.769 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.54%
11) S	ortho-Terphenyl (SURR)	11.956	2869788	19.383 ug/ml
Spiked Amount	50.000		Recovery =	38.77%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.616	2719431	20.071 ug/ml
2) T	Naphthalene (C11.7)	6.285	2881227	20.078 ug/ml
3) T	2-Methylnaphthalene (...	7.383	2927124	20.042 ug/ml
5) T	Acenaphthylene (C15.06)	8.686	2877450	19.763 ug/ml
7) T	Acenaphthene (C15.5)	8.986	2875213	19.868 ug/ml
8) T	Flouorene (C16.55)	9.776	2843161	19.625 ug/ml
9) T	Phenanthrene (C19.36)	11.183	2847205	19.344 ug/ml
10) T	Anthracene (C19.43)	11.258	2681914	19.125 ug/ml
12) T	Fluoranthene (C21.85)	13.005	2823747	19.093 ug/ml
13) T	Pyrene (C20.8)	13.304	2800027	19.046 ug/ml
14) T	Benzo[a]anthracene (C...	15.185	2667642	18.420 ug/mlm
15) T	Chrysene (C27.41)	15.228	2702229	18.422 ug/ml
16) T	benzo[b]fluoranthene ...	16.740	2665123	18.120 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.775	2497078	18.094 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.121	2582426	18.108 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.489	2368819	17.748 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.532	2466617	17.675 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.747	2510849	18.047 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014597.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 06:50
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

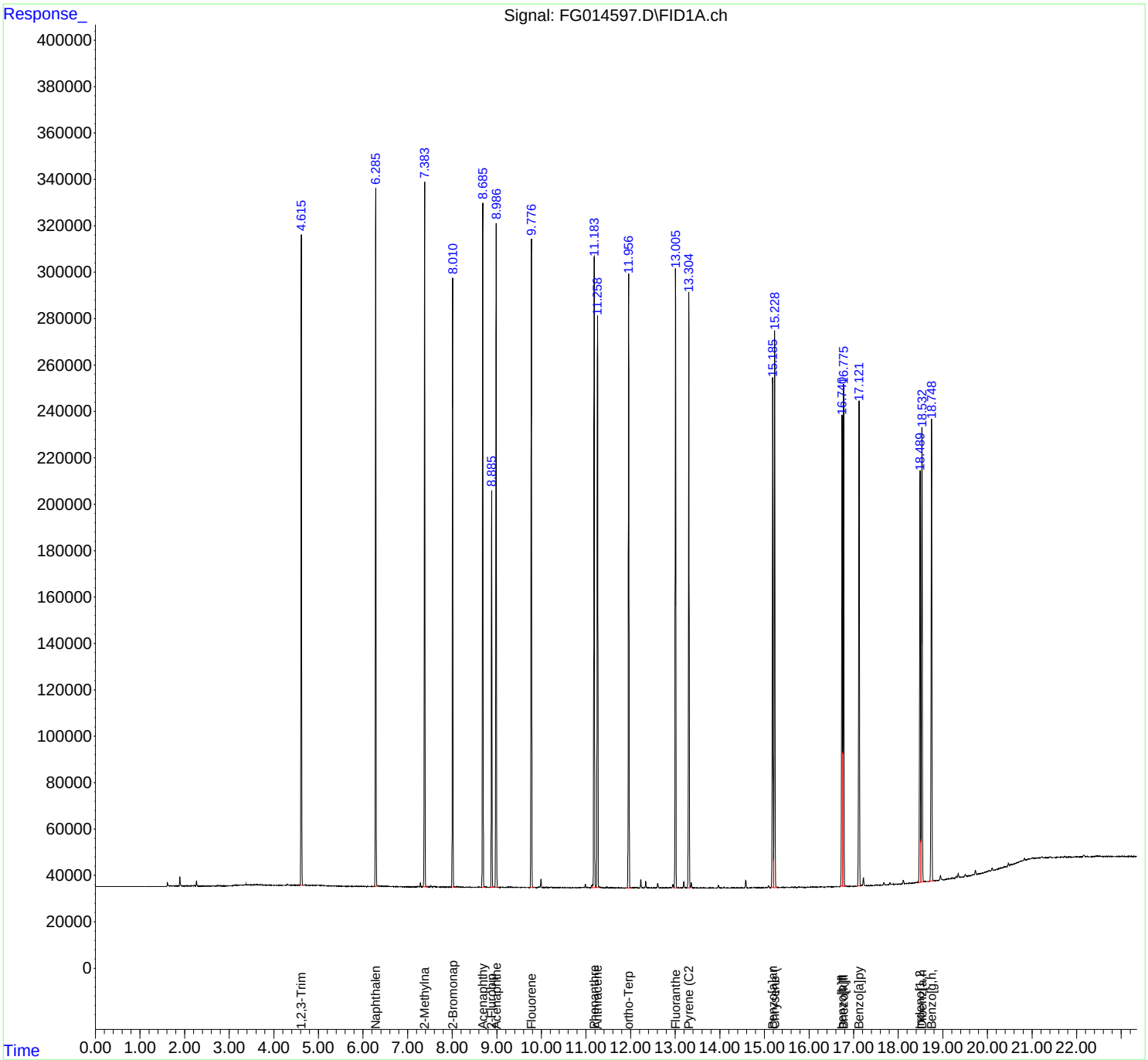
Integration File: autoint1.e
Quant Time: Nov 01 01:24:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014597.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 06:50
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.616	4.581	4.671	BB	278896	2719431	92.90%	4.874%
2	6.285	6.255	6.320	BV	300273	2881227	98.43%	5.164%
3	7.383	7.335	7.451	BB	301088	2927124	100.00%	5.246%
4	8.011	7.978	8.075	BB	261798	2486865	84.96%	4.457%
5	8.686	8.651	8.751	BB	294707	2877450	98.30%	5.157%
6	8.885	8.848	8.948	BB	170073	1702829	58.17%	3.052%
7	8.986	8.951	9.025	BB	284458	2875213	98.23%	5.153%
8	9.776	9.728	9.838	BB	277741	2843161	97.13%	5.096%
9	11.183	11.138	11.225	VV	272907	2847205	97.27%	5.103%
10	11.258	11.225	11.301	VB	245744	2681914	91.62%	4.807%
11	11.956	11.901	12.018	BB	262029	2869788	98.04%	5.144%
12	13.005	12.970	13.061	VB	265796	2823747	96.47%	5.061%
13	13.304	13.258	13.336	BV	257030	2800027	95.66%	5.019%
14	15.185	15.131	15.205	BV	219823	2668612	91.17%	4.783%
15	15.228	15.205	15.291	VB	240307	2702229	92.32%	4.843%
16	16.741	16.698	16.757	BV	203022	2669623	91.20%	4.785%
17	16.775	16.757	16.828	VB	215490	2497078	85.31%	4.476%
18	17.121	17.075	17.158	BB	209596	2582426	88.22%	4.629%
19	18.490	18.451	18.508	BV	177051	2360297	80.64%	4.230%
20	18.532	18.508	18.595	VB	195170	2466617	84.27%	4.421%
21	18.747	18.661	18.811	BB	200510	2510849	85.78%	4.500%
			Sum of corrected areas:			55793712		

Aromatic EPH 102124.M Mon Nov 04 01:16:45 2024

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

Continuing Calibration Report for SequenceID : FG103124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014608.D**						
Aromatic C10-C12	5721640.000	40.000	4.516	6.385	143041.000	139495.805	-2.541
Aromatic C12-C16	8683339.000	60.000	6.386	9.086	144722.317	145452.849	0.502
Aromatic C16-C21	10965132.000	80.000	9.087	13.404	137064.150	144827.279	5.360
Aromatic C21-C36	22813741.000	180.000	13.405	18.847	126743.006	142138.795	10.832
Aromatic EPH	48183852.000	360.000	4.516	18.847	133844.033	142994.913	6.399

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:	31 Oct 2024 13:45
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014608.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.516	6.385	5721640.000	40.000	ug/ml
Aromatic C12-C16	6.386	9.086	8683339.000	60.000	ug/ml
Aromatic C16-C21	9.087	13.404	10965132.000	80.000	ug/ml
Aromatic C21-C36	13.405	18.847	22813741.000	180.000	ug/ml
Aromatic EPH	4.516	18.847	48183852.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014608.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 13:45
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:26:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.010	2497525	19.895 ug/ml
Spiked Amount	50.000		Recovery =	39.79%
6) S	2-Flurobiphenyl (SURR)	8.884	1690623	19.628 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.26%
11) S	ortho-Terphenyl (SURR)	11.956	2837280	19.163 ug/ml
Spiked Amount	50.000		Recovery =	38.33%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.615	2799322	20.661 ug/ml
2) T	Naphthalene (C11.7)	6.285	2922318	20.364 ug/ml
3) T	2-Methylnaphthalene (...	7.382	2947510	20.182 ug/ml
5) T	Acenaphthylene (C15.06)	8.685	2867410	19.694 ug/ml
7) T	Acenaphthene (C15.5)	8.986	2868419	19.821 ug/ml
8) T	Flouorene (C16.55)	9.775	2815571	19.435 ug/ml
9) T	Phenanthrene (C19.36)	11.183	2793683	18.980 ug/ml
10) T	Anthracene (C19.43)	11.257	2611895	18.626 ug/ml
12) T	Fluoranthene (C21.85)	13.004	2770593	18.734 ug/ml
13) T	Pyrene (C20.8)	13.303	2743983	18.664 ug/ml
14) T	Benzo[a]anthracene (C...	15.184	2597043	17.933 ug/mlm
15) T	Chrysene (C27.41)	15.227	2634042	17.957 ug/ml
16) T	benzo[b]fluoranthene ...	16.742	2613928	17.772 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.774	2436552	17.656 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.121	2518097	17.657 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.490	2317427	17.363 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.532	2457430	17.609 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.746	2468629	17.744 ug/ml

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014608.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 13:45
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

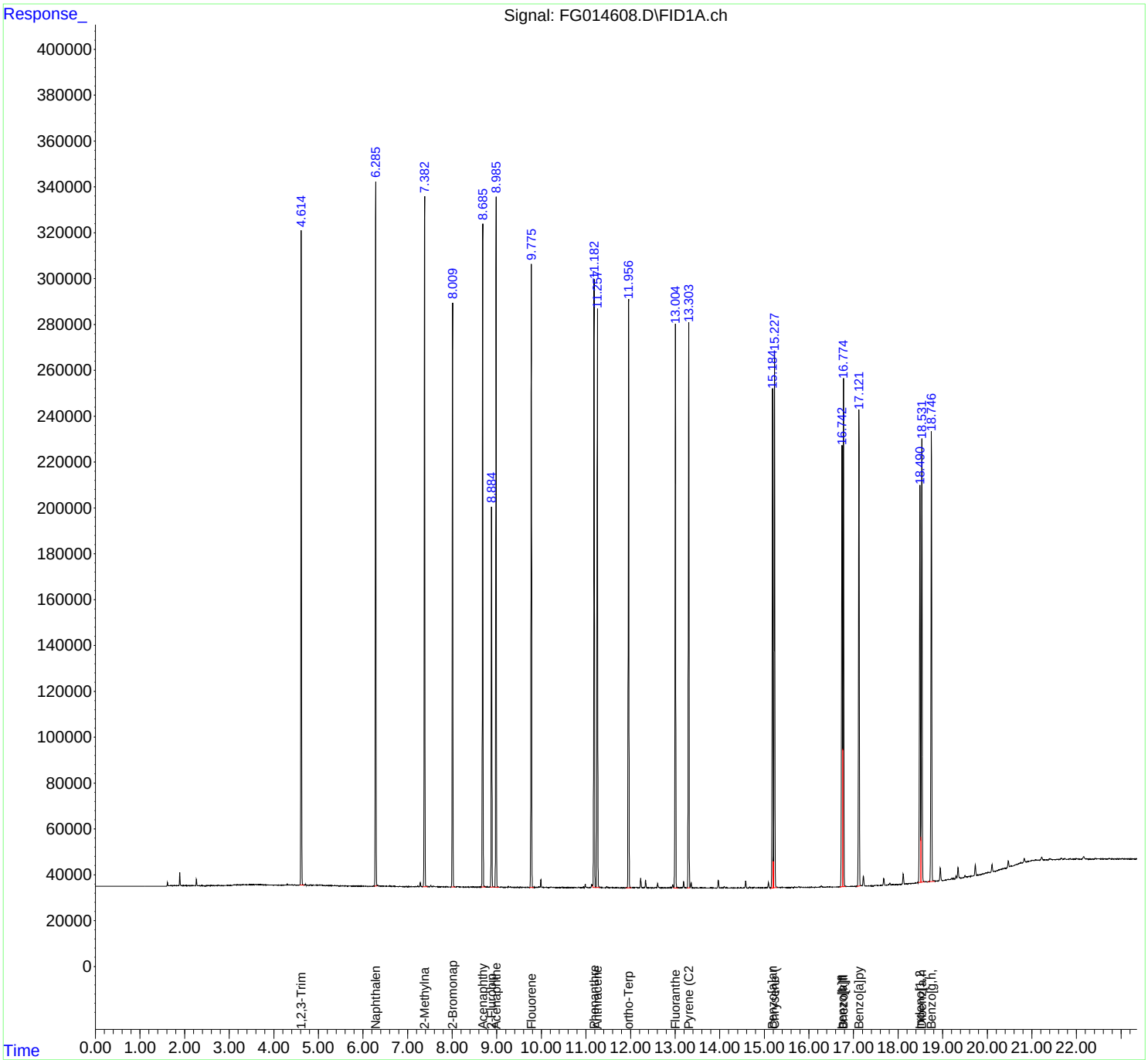
Integration File: autoint1.e
Quant Time: Nov 01 01:26:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014608.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 13:45
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.615	4.585	4.678	BB	285166	2799322	94.97%	5.072%
2	6.285	6.255	6.321	BV	306760	2922318	99.15%	5.294%
3	7.382	7.338	7.451	BB	299420	2947510	100.00%	5.340%
4	8.010	7.978	8.071	BB	254169	2497525	84.73%	4.525%
5	8.685	8.651	8.755	BB	288075	2867410	97.28%	5.195%
6	8.884	8.848	8.945	BB	166018	1690623	57.36%	3.063%
7	8.986	8.951	9.048	BB	298992	2868419	97.32%	5.197%
8	9.775	9.728	9.828	BB	270778	2815571	95.52%	5.101%
9	11.183	11.155	11.225	VV	263597	2793683	94.78%	5.061%
10	11.257	11.225	11.311	VB	252930	2611895	88.61%	4.732%
11	11.956	11.898	12.018	BB	255979	2837280	96.26%	5.140%
12	13.004	12.969	13.055	VB	246171	2770593	94.00%	5.019%
13	13.303	13.265	13.335	BV	245900	2743983	93.09%	4.971%
14	15.184	15.131	15.204	BV	218600	2596346	88.09%	4.704%
15	15.227	15.204	15.291	VB	236717	2634042	89.36%	4.772%
16	16.742	16.688	16.757	BV	191296	2606058	88.42%	4.721%
17	16.774	16.757	16.825	VB	223307	2436552	82.66%	4.414%
18	17.121	17.071	17.158	BB	207924	2518097	85.43%	4.562%
19	18.489	18.451	18.508	BV	172537	2313684	78.50%	4.192%
20	18.532	18.508	18.595	VB	193517	2457430	83.37%	4.452%
21	18.746	18.655	18.821	BB	197738	2468629	83.75%	4.472%
			Sum of corrected areas:			55196968		

Aromatic EPH 102124.M Mon Nov 04 01:17:24 2024

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

Continuing Calibration Report for SequenceID : FG103124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014615.D**						
Aromatic C10-C12	5712290.000	40.000	4.516	6.385	142807.250	139495.805	-2.374
Aromatic C12-C16	8695384.000	60.000	6.386	9.086	144923.067	145452.849	0.364
Aromatic C16-C21	11019272.000	80.000	9.087	13.404	137740.900	144827.279	4.893
Aromatic C21-C36	22938222.000	180.000	13.405	18.847	127434.567	142138.795	10.345
Aromatic EPH	48365168.000	360.000	4.516	18.847	134347.689	142994.913	6.047

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:	31 Oct 2024 17:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014615.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.516	6.385	5712290.000	40.000	ug/ml
Aromatic C12-C16	6.386	9.086	8695384.000	60.000	ug/ml
Aromatic C16-C21	9.087	13.404	11019272.000	80.000	ug/ml
Aromatic C21-C36	13.405	18.847	22938222.000	180.000	ug/ml
Aromatic EPH	4.516	18.847	48365168.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014615.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 17:32
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:27:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
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...	8.010	2500580	19.919 ug/ml
Spiked Amount	50.000		Recovery =	39.84%
6) S	2-Flurobiphenyl (SURR)	8.885	1695491	19.684 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.37%
11) S	ortho-Terphenyl (SURR)	11.955	2853506	19.273 ug/ml
Spiked Amount	50.000		Recovery =	38.55%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.615	2792311	20.609 ug/ml
2) T	Naphthalene (C11.7)	6.285	2919979	20.348 ug/ml
3) T	2-Methylnaphthalene (...	7.382	2947756	20.184 ug/ml
5) T	Acenaphthylene (C15.06)	8.685	2873940	19.739 ug/ml
7) T	Acenaphthene (C15.5)	8.985	2873688	19.857 ug/ml
8) T	Flouorene (C16.55)	9.775	2823332	19.488 ug/ml
9) T	Phenanthrene (C19.36)	11.182	2818057	19.146 ug/ml
10) T	Anthracene (C19.43)	11.257	2612008	18.626 ug/ml
12) T	Fluoranthene (C21.85)	13.004	2791688	18.876 ug/ml
13) T	Pyrene (C20.8)	13.303	2765875	18.813 ug/ml
14) T	Benzo[a]anthracene (C...	15.183	2613259	18.045 ug/mlm
15) T	Chrysene (C27.41)	15.226	2655875	18.106 ug/ml
16) T	benzo[b]fluoranthene ...	16.742	2636430	17.925 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.774	2461632	17.837 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.121	2531525	17.751 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.490	2310375	17.310 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.532	2477804	17.755 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.747	2459634	17.679 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
Data File : FG014615.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 17:32
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

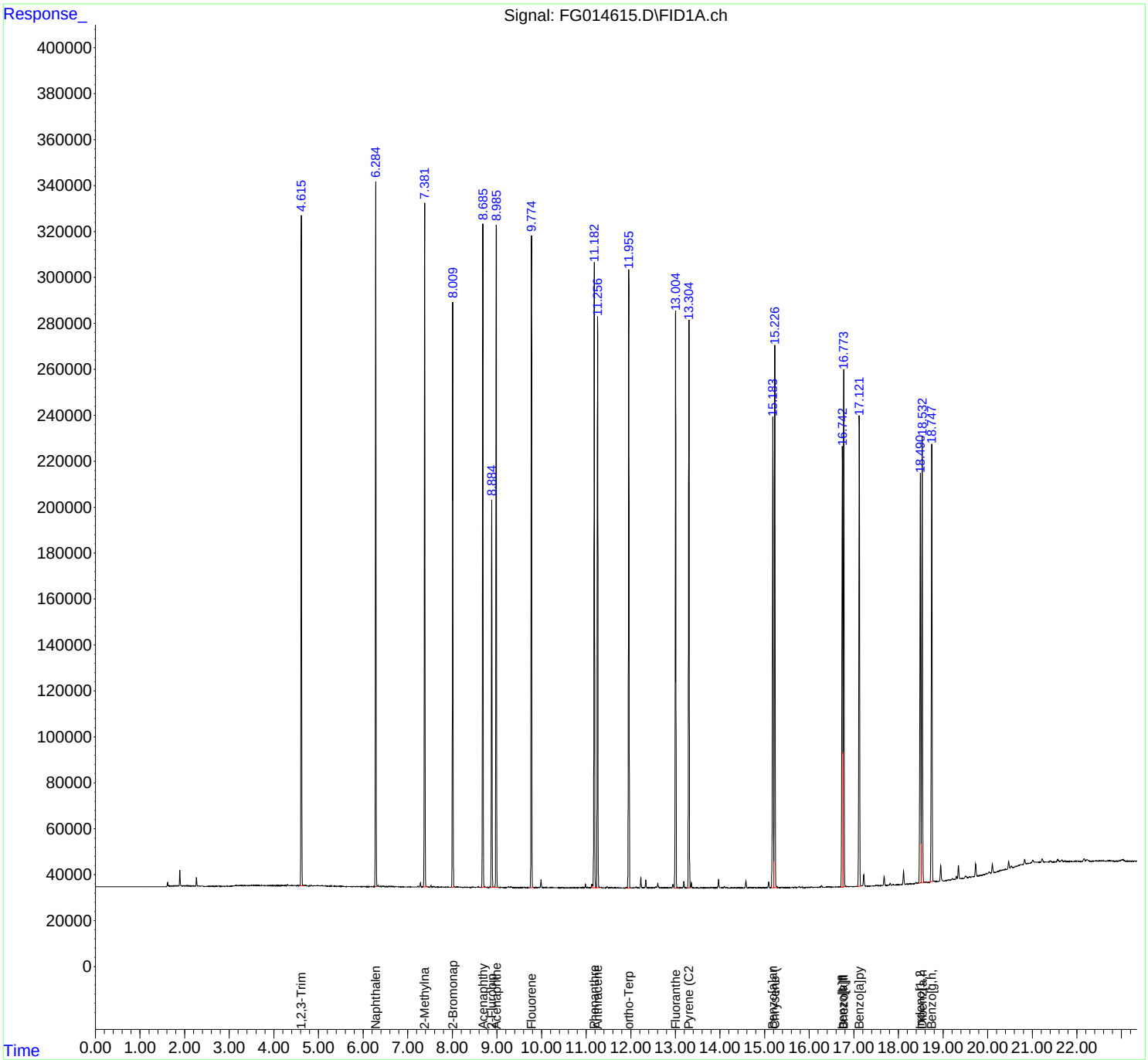
Integration File: autoint1.e
Quant Time: Nov 01 01:27:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 04:38:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG10312
Data File : FG014615.D
Signal(s) : FID1A.ch
Acq On : 31 Oct 2024 17:32
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.615	4.565	4.678	BB	291162	2792311	94.73%	5.041%
2	6.285	6.255	6.318	BV	305971	2919979	99.06%	5.271%
3	7.382	7.338	7.448	BB	297863	2947756	100.00%	5.321%
4	8.010	7.975	8.065	BB	252092	2500580	84.83%	4.514%
5	8.685	8.651	8.761	BB	288988	2873940	97.50%	5.188%
6	8.885	8.841	8.945	BB	168782	1695491	57.52%	3.061%
7	8.985	8.951	9.041	BB	287340	2873688	97.49%	5.188%
8	9.775	9.738	9.828	BB	283825	2823332	95.78%	5.097%
9	11.182	11.139	11.225	VV	270975	2818057	95.60%	5.087%
10	11.257	11.225	11.308	VB	249299	2612008	88.61%	4.715%
11	11.955	11.905	12.008	BB	268448	2853506	96.80%	5.151%
12	13.004	12.968	13.051	VB	251250	2791688	94.71%	5.040%
13	13.303	13.265	13.335	BV	249601	2765875	93.83%	4.993%
14	15.183	15.131	15.204	BV	205437	2615606	88.73%	4.722%
15	15.226	15.204	15.295	VB	237082	2655875	90.10%	4.794%
16	16.742	16.691	16.757	BV	191845	2615735	88.74%	4.722%
17	16.774	16.757	16.818	VB	225728	2461632	83.51%	4.444%
18	17.121	17.075	17.161	BB	205210	2531525	85.88%	4.570%
19	18.490	18.451	18.508	BV	179938	2309728	78.36%	4.170%
20	18.532	18.508	18.601	VB	194739	2477804	84.06%	4.473%
21	18.747	18.661	18.780	BV	192337	2459634	83.44%	4.440%
			Sum of corrected areas:			55395749		

Aromatic EPH 102124.M Mon Nov 04 01:18:08 2024

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		Date Received:		
Client Sample ID:	PB164525BL		SDG No.:	P4599	
Lab Sample ID:	PB164525BL		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
FD048623.D	1	10/30/24	10/30/24	PB164525

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)	53.1		40 - 140	106%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	53.2		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.7		40 - 140	87%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164525BL	Acq On:	30 Oct 2024 17:27
Client Sample ID:	PB164525BL	Operator:	YP/AJ
Data file:	FD048623.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	4.094	5.812	0	0	200	ug/ml
Aromatic C12-C16	5.813	8.417	0	0	300	ug/ml
Aromatic C16-C21	8.418	12.679	0	0	500	ug/ml
Aromatic C21-C36	12.680	18.085	0	0	800	ug/ml
Aromatic EPH	4.094	18.085	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	8064149	53.13		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	5221900	53.18		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	7445393	43.71		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048623.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 17:27
Operator : YP/AJ
Sample : PB164525BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164525BL

Integration File: autoint1.e
Quant Time: Nov 01 01:02:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.372	8064149	53.131 ug/ml
Spiked Amount 50.000		Recovery = 106.26%	
6) S 2-Flurobiphenyl (SURR)	8.222	5221900	53.181 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 106.36%	
11) S ortho-Terphenyl (SURR)	11.258	7445393	43.709 ug/ml
Spiked Amount 50.000		Recovery = 87.42%	
Target Compounds			

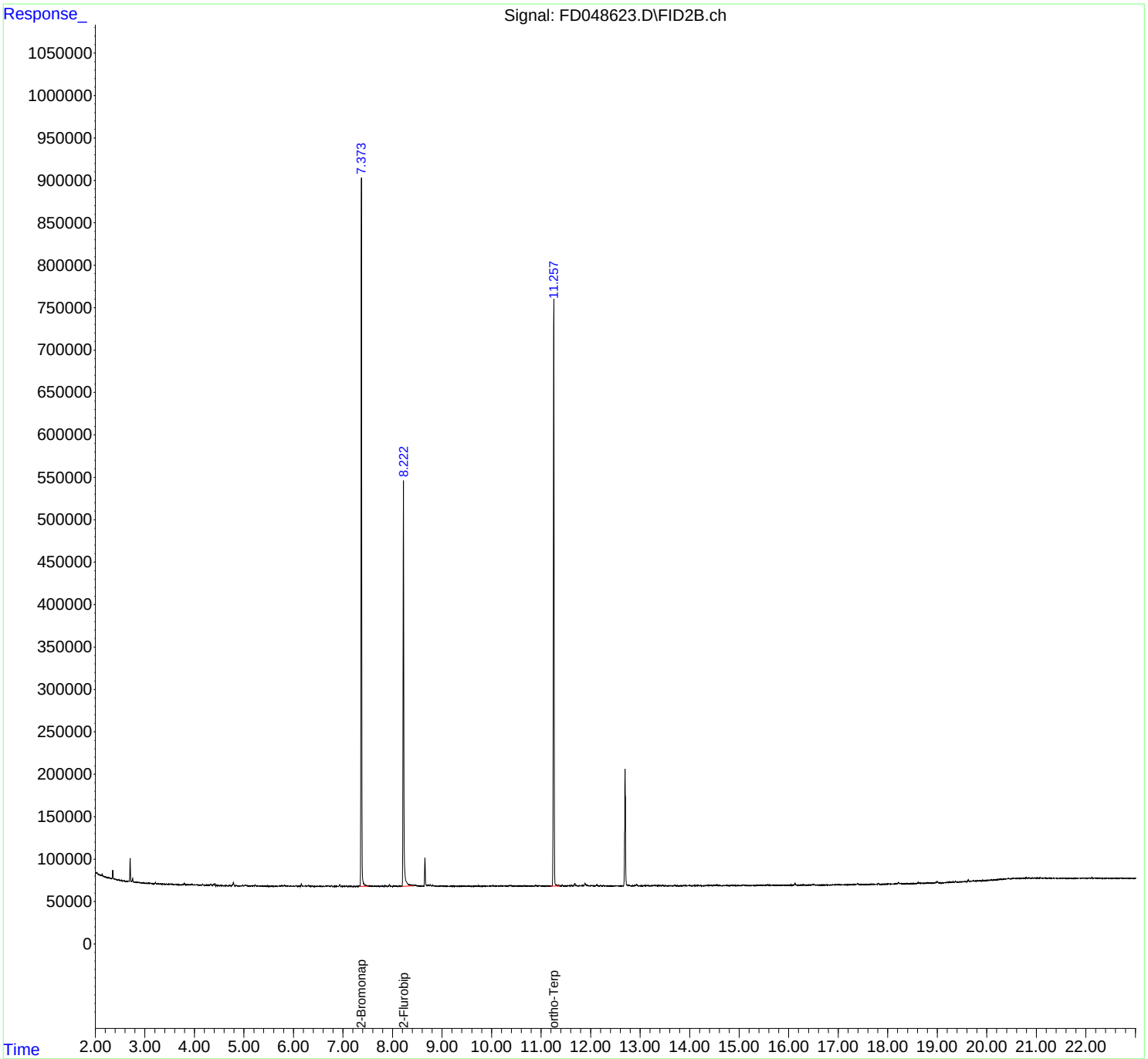
(f)=RT Delta > 1/2 Window (m)=manual int.

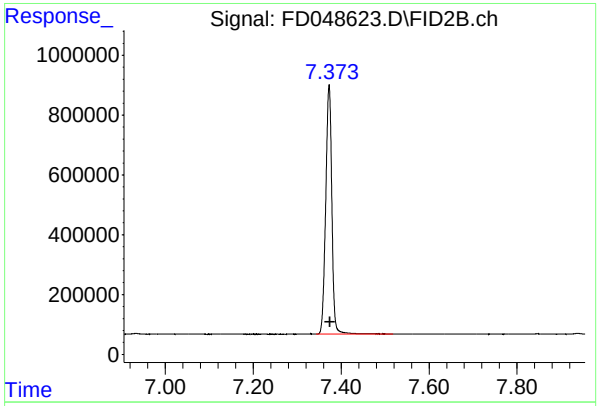
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048623.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 17:27
Operator : YP/AJ
Sample : PB164525BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164525BL

Integration File: autoint1.e
Quant Time: Nov 01 01:02:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

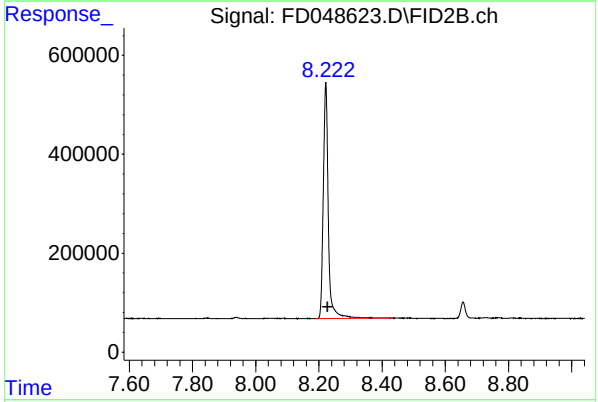




#4 2-Bromonaphthalene (SURR)

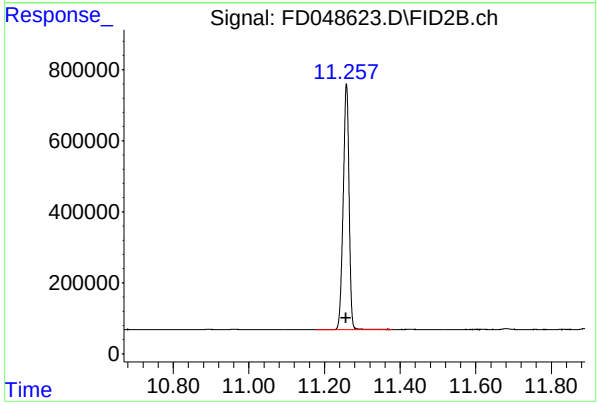
R.T.: 7.372 min
Delta R.T.: -0.002 min
Response: 8064149
Conc: 53.13 ug/ml

Instrument :
FID_D
ClientSampleId :
PB164525BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 5221900
Conc: 53.18 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.001 min
Response: 7445393
Conc: 43.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048623.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 17:27
Sample : PB164525BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	7.372	7.343	7.518	VB	824320	8064149	100.00%	38.898%
2	8.222	8.191	8.434	BB	474682	5221900	64.75%	25.188%
3	11.258	11.178	11.381	BB	693503	7445393	92.33%	35.914%

Sum of corrected areas: 20731442

Aromatic EPH 102324.M Fri Nov 01 01:36:04 2024

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			Date Received:			
Client Sample ID:	PB164525BL			SDG No.:	P4599		
Lab Sample ID:	PB164525BL			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
10/30/24 08:20	10/30/24 17:27	PB164525

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	FC067568.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067568.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067568.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067568.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067568.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048623.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048623.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048623.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048623.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

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB164525BL		SDG No.:	P4599	
Lab Sample ID:	PB164525BL		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
FC067568.D	1	10/30/24	10/30/24	PB164525

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)	35.4		40 - 140	71%	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:	PB164525BL	Acq On:	30 Oct 2024 17:27
Client Sample ID:	PB164525BL	Operator:	YP/AJ
Data file:	FC067568.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	3.174	6.453	0	0	300	ug/ml
Aliphatic C12-C16	6.454	9.842	0	0	200	ug/ml
Aliphatic C16-C21	9.843	13.199	0	0	300	ug/ml
Aliphatic C21-C28	13.200	16.852	0	0	400	ug/ml
Aliphatic C28-C40	16.853	21.694	0	0	600	ug/ml
Aliphatic EPH	3.174	21.694	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	3824511	35.42		ug/ml
Aliphatic C9-C28	3.174	16.852	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067568.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:27
Operator : YP/AJ
Sample : PB164525BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164525BL

Integration File: autoint1.e
Quant Time: Nov 01 00:19:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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...	12.932	3824511	35.416 ug/ml
Spiked Amount 50.000		Recovery = 70.83%	
Target Compounds			

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

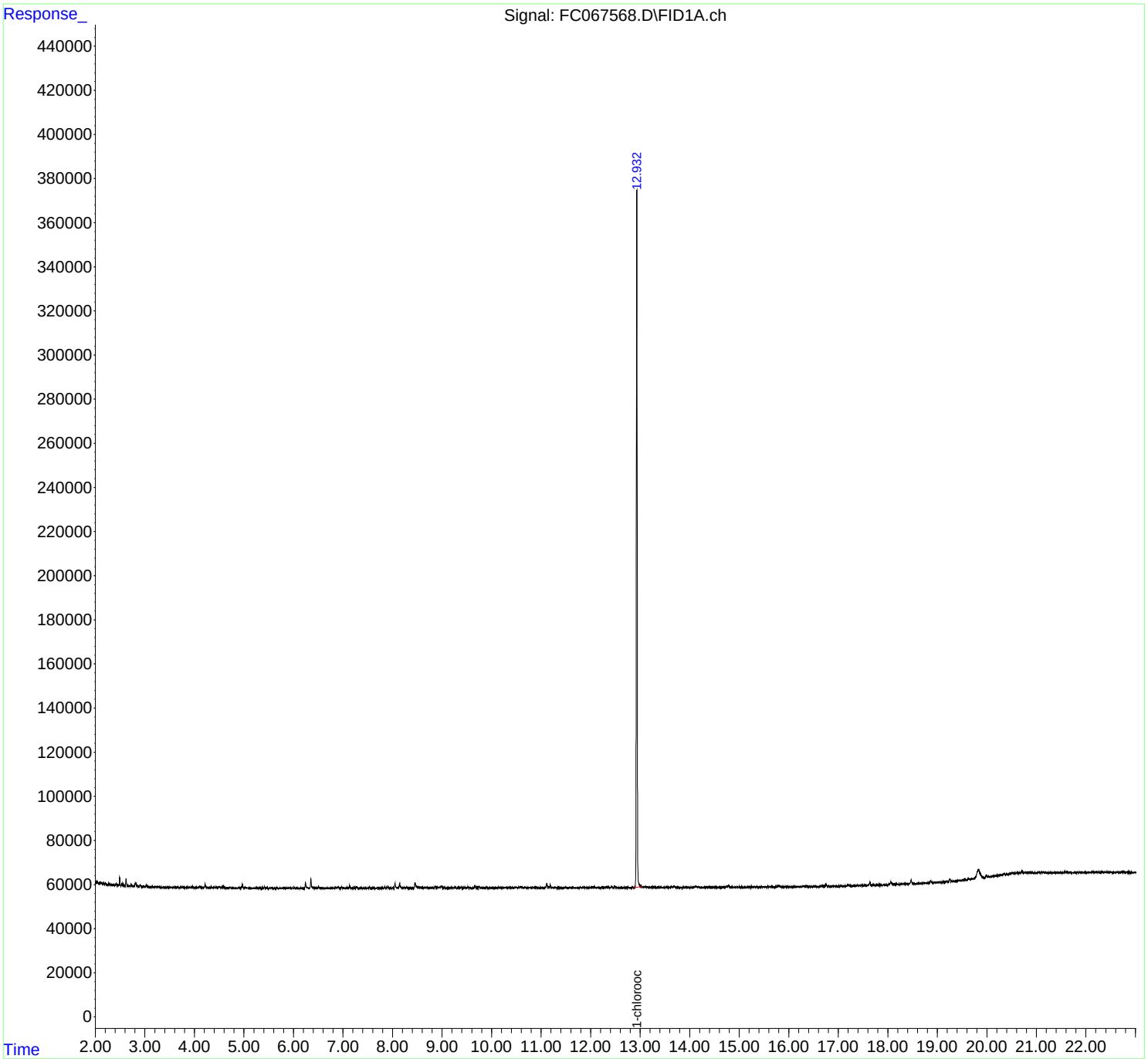
Quantitation Report (QT Reviewed)

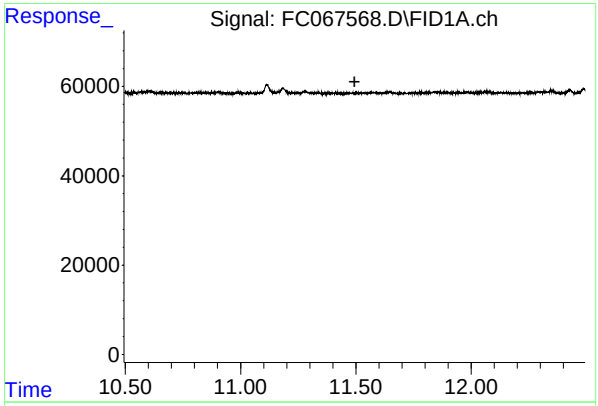
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067568.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:27
Operator : YP/AJ
Sample : PB164525BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164525BL

Integration File: autoint1.e
Quant Time: Nov 01 00:19:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

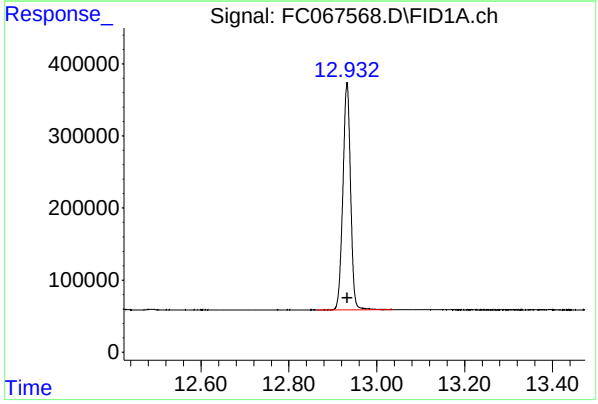




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB164525BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.932 min
Delta R.T.: 0.000 min
Response: 3824511
Conc: 35.42 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067568.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 17:27
Sample : PB164525BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	12.932	12.862	13.037	BB	314525	3824511	100.00%	100.000%

Sum of corrected areas: 3824511

Aliphatic EPH 102324.M Fri Nov 01 00:48:32 2024

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	PB164525BS			SDG No.:	P4599
Lab Sample ID:	PB164525BS			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
10/30/24 08:20	10/30/24 18:04	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.21		1	0.38	1.00	mg/kg	FC067569.D
Aliphatic C12-C16	Aliphatic C12-C16	5.06		1	0.24	0.67	mg/kg	FC067569.D
Aliphatic C16-C21	Aliphatic C16-C21	8.68		1	0.30	1.00	mg/kg	FC067569.D
Aliphatic C21-C28	Aliphatic C21-C28	11.8		1	0.80	1.33	mg/kg	FC067569.D
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.80	2.00	mg/kg	FC067569.D
Aromatic C10-C12	Aromatic C10-C12	3.53		1	0.30	0.67	mg/kg	FD048624.D
Aromatic C12-C16	Aromatic C12-C16	7.16		1	0.34	1.00	mg/kg	FD048624.D
Aromatic C16-C21	Aromatic C16-C21	14.1		1	0.96	1.67	mg/kg	FD048624.D
Aromatic C21-C36	Aromatic C21-C36	22.2		1	2.00	2.67	mg/kg	FD048624.D
Total AliphaticEPH	Total AliphaticEPH	49.6			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	47.0			3.60	6.01	mg/kg	
Total EPH	Total EPH	96.6			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			Date Received:	
Client Sample ID:	PB164525BS			SDG No.:	P4599
Lab Sample ID:	PB164525BS			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
FC067569.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.21		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.06		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.68		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.8		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164525BS	Acq On:	30 Oct 2024 18:04
Client Sample ID:	PB164525BS	Operator:	YP/AJ
Data file:	FC067569.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.453	10594598	78.206	300	ug/ml
Aliphatic C12-C16	6.454	9.842	9999532	75.937	200	ug/ml
Aliphatic C16-C21	9.843	13.199	16567860	130.215	300	ug/ml
Aliphatic C21-C28	13.200	16.852	21290699	177.289	400	ug/ml
Aliphatic C28-C40	16.853	21.694	28633282	283.236	600	ug/ml
Aliphatic EPH	3.174	21.694	87085971	744.884		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	4860200	45.01		ug/ml
Aliphatic C9-C28	3.174	16.852	58452689	461.647	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067569.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:04
Operator : YP/AJ
Sample : PB164525BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164525BS

Integration File: autoint1.e
Quant Time: Nov 01 00:19:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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...	12.933	4860200	45.007 ug/ml
Spiked Amount	50.000		Recovery =	90.01%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	2735004	20.301 ug/ml
2) T	n-Decane (C10)	4.339	3538583	25.972 ug/ml
4) T	n-Dodecane (C12)	6.354	4321011	31.903 ug/ml
6) T	n-Tetradecane (C14)	8.146	4805296	36.609 ug/ml
7) T	n-Hexadecane (C16)	9.744	5194236	39.320 ug/ml
8) T	n-Octadecane (C18)	11.183	5502966	41.653 ug/ml
10) T	n-Eicosane (C20)	12.491	5625973	44.588 ug/ml
11) T	n-Heneicosane (C21)	13.102	5438921	44.070 ug/ml
13) T	n-Docosane (C22)	13.687	5421132	44.273 ug/ml
14) T	n-Tetracosane (C24)	14.787	5365345	44.265 ug/ml
15) T	n-Hexacosane (C26)	15.806	5281183	44.359 ug/ml
16) T	n-Octacosane (C28)	16.755	5223039	44.396 ug/ml
17) T	n-Tricontane (C30)	17.641	5248880	43.425 ug/ml
18) T	n-Dotriacontane (C32)	18.471	5154021	43.560 ug/ml
19) T	n-Tetratriacontane (C34)	19.254	4993617	47.682 ug/ml
20) T	n-Hexatriacontane (C36)	19.991	4663324	51.230 ug/ml
21) T	n-Octatriacontane (C38)	20.713	4422198	51.063 ug/ml
22) T	n-Tetracontane (C40)	21.597	4151242	48.832 ug/ml

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

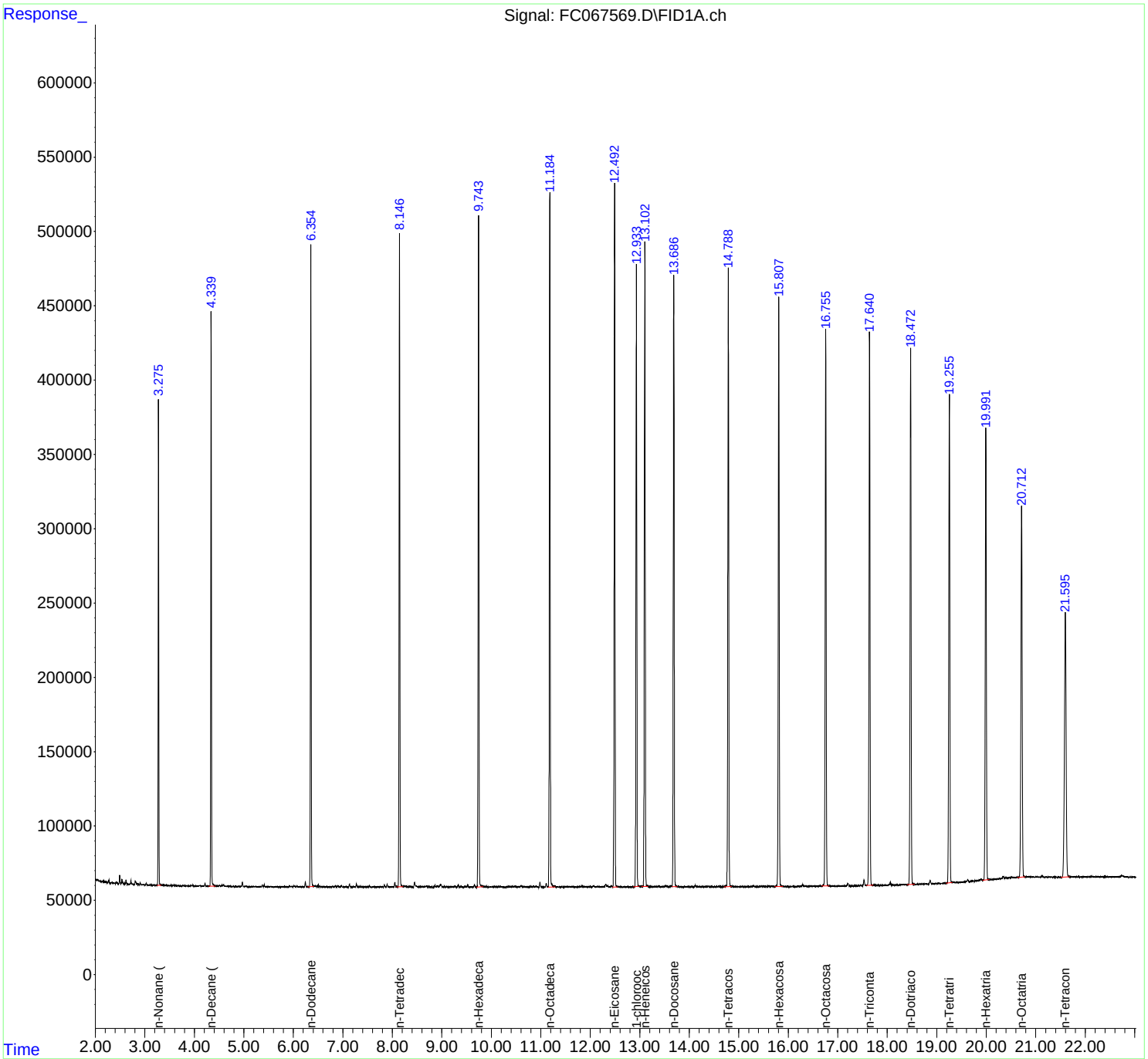
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067569.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:04
Operator : YP/AJ
Sample : PB164525BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164525BS

Integration File: autoint1.e
Quant Time: Nov 01 00:19:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067569.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:04
Sample : PB164525BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.275	3.245	3.335	BB	326785	2735004	48.61%	2.975%
2	4.339	4.285	4.420	BB	385881	3538583	62.90%	3.849%
3	6.354	6.288	6.418	BV	430694	4321011	76.80%	4.700%
4	8.146	8.085	8.217	BV	439955	4805296	85.41%	5.226%
5	9.744	9.697	9.832	BB	450899	5194236	92.33%	5.649%
6	11.183	11.145	11.295	PB	469494	5502966	97.81%	5.985%
7	12.491	12.450	12.557	PB	472827	5625973	100.00%	6.119%
8	12.933	12.868	12.992	BB	421131	4860200	86.39%	5.286%
9	13.102	13.035	13.170	BB	431111	5438921	96.68%	5.915%
10	13.687	13.648	13.760	PB	411619	5421132	96.36%	5.896%
11	14.787	14.697	14.857	BB	411786	5365345	95.37%	5.835%
12	15.806	15.723	15.887	BB	397202	5281183	93.87%	5.744%
13	16.755	16.668	16.832	BB	375347	5223039	92.84%	5.681%
14	17.641	17.575	17.717	BB	371190	5248880	93.30%	5.709%
15	18.471	18.403	18.548	BB	362088	5154021	91.61%	5.605%
16	19.254	19.185	19.313	BB	321553	4993617	88.76%	5.431%
17	19.991	19.932	20.062	BB	302176	4663324	82.89%	5.072%
18	20.713	20.632	20.787	BB	248043	4422198	78.60%	4.810%
19	21.597	21.505	21.687	BB	176778	4151242	73.79%	4.515%

Sum of corrected areas: 91946172

Aliphatic EPH 102324.M Fri Nov 01 00:48:53 2024

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			Date Received:	
Client Sample ID:	PB164525BS			SDG No.:	P4599
Lab Sample ID:	PB164525BS			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
FD048624.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.53		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.16		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.1		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	22.2		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.1		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.9		40 - 140	88%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164525BS	Acq On:	30 Oct 2024 18:04
Client Sample ID:	PB164525BS	Operator:	YP/AJ
Data file:	FD048624.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	4.094	5.812	9338395	52.998	200	ug/ml
Aromatic C12-C16	5.813	8.417	19033424	107.368	300	ug/ml
Aromatic C16-C21	8.418	12.679	34764103	212.193	500	ug/ml
Aromatic C21-C36	12.680	18.085	50891634	333.25	800	ug/ml
Aromatic EPH	4.094	18.085	114027556	705.808		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	7474933	43.88		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7755971	51.1		ug/ml
2-Flurobiphenyl (SURR)	8.223	8.223	5165623	52.61		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048624.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 18:04
Operator : YP/AJ
Sample : PB164525BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164525BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:02:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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...	7.373	7755971	51.100 ug/ml
Spiked Amount	50.000		Recovery =	102.20%
6) S	2-Flurobiphenyl (SURR)	8.223	5165623	52.607 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	105.21%
11) S	ortho-Terphenyl (SURR)	11.258	7474933	43.882 ug/ml
Spiked Amount	50.000		Recovery =	87.76%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.194	4855489	27.910 ug/mlm
2) T	Naphthalene (C11.7)	5.712	5642483	31.622 ug/ml
3) T	2-Methylnaphthalene (...	6.759	5609712	31.363 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	6501012	37.023 ug/ml
7) T	Acenaphthene (C15.5)	8.320	6922700	39.031 ug/ml
8) T	Flouorene (C16.55)	9.098	6866064	40.619 ug/ml
9) T	Phenanthrene (C19.36)	10.486	6808381	41.187 ug/ml
10) T	Anthracene (C19.43)	10.561	6756572	42.252 ug/ml
12) T	Fluoranthene (C21.85)	12.289	6999115	42.528 ug/mlm
13) T	Pyrene (C20.8)	12.582	6791594	42.164 ug/ml
14) T	Benzo[a]anthracene (C...	14.452	6411746	43.851 ug/ml
15) T	Chrysene (C27.41)	14.494	6458235	39.262 ug/ml
16) T	benzo[b]fluoranthene ...	15.999	6462850	42.511 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.034	6495480	43.216 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.375	6259856	41.595 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.742	6346582	48.641 ug/ml
20) T	Dibenz[a,h]anthracene...	17.778	6191231	38.045 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.994	6265654	40.927 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048624.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 18:04
Operator : YP/AJ
Sample : PB164525BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

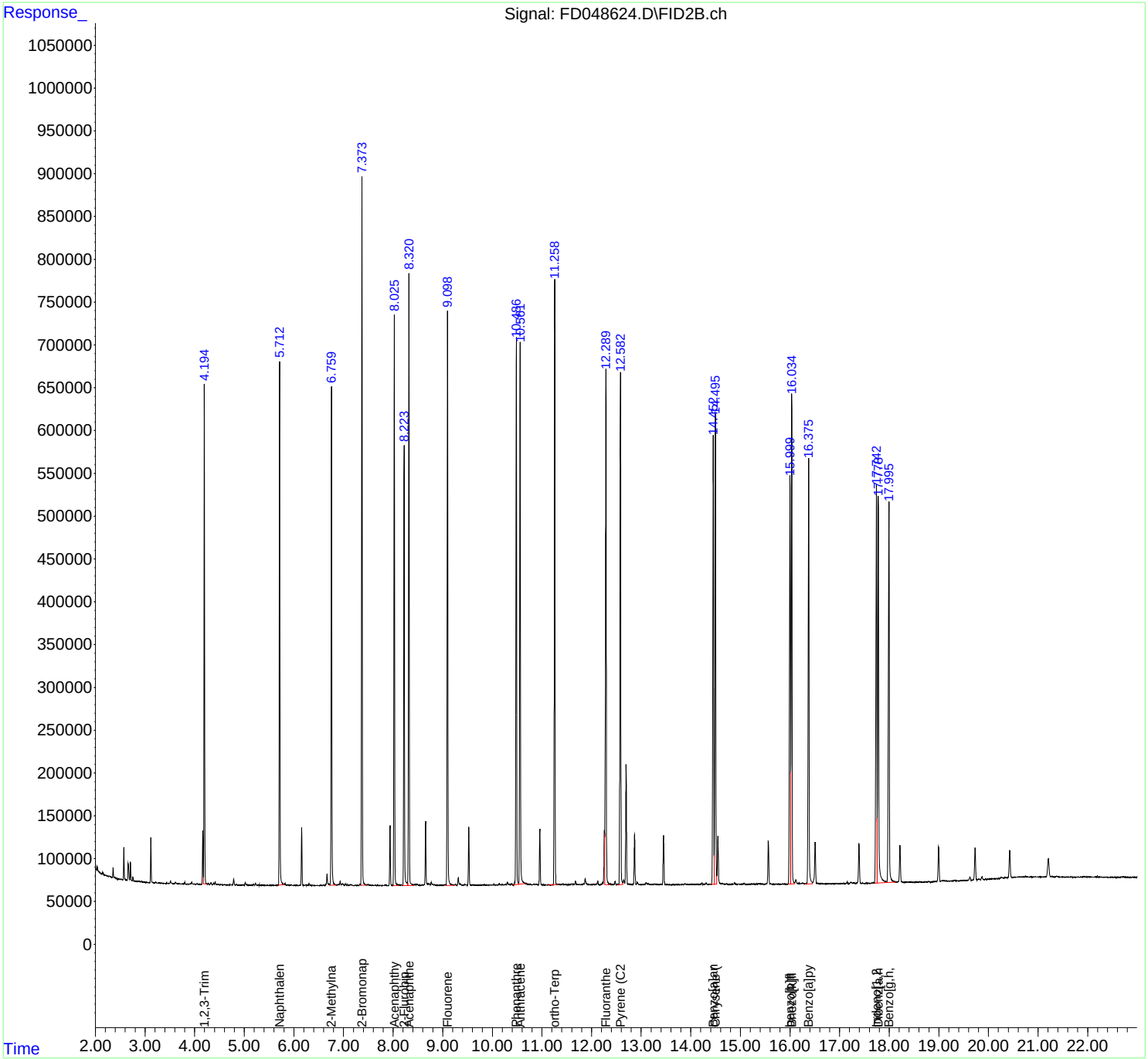
Instrument :
FID_D
ClientSampleId :
PB164525BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:02:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_D
ClientSampleId :
PB164525BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10302
Data File : FD048624.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 18:04
Sample : PB164525BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.195	4.161	4.259	BV	545576	3695912	47.65%	2.749%
2	5.712	5.684	5.808	PV	606576	5642483	72.75%	4.198%
3	6.759	6.724	6.864	VV	577207	5609712	72.33%	4.173%
4	7.373	7.344	7.464	VV	830563	7755971	100.00%	5.770%
5	8.025	7.998	8.111	VV	658789	6501012	83.82%	4.836%
6	8.223	8.190	8.291	PV	516644	5165623	66.60%	3.843%
7	8.320	8.291	8.411	VV	716906	6922700	89.26%	5.150%
8	9.098	9.066	9.238	VV	664491	6866064	88.53%	5.108%
9	10.486	10.409	10.531	PV	635383	6808381	87.78%	5.065%
10	10.561	10.531	10.664	VV	629388	6756572	87.11%	5.026%
11	11.258	11.124	11.324	BV	702511	7474933	96.38%	5.561%
12	12.289	12.234	12.414	VB	609686	7541492	97.23%	5.610%
13	12.582	12.518	12.628	PV	592652	6791594	87.57%	5.052%
14	14.452	14.405	14.471	PV	522564	6411746	82.67%	4.770%
15	14.494	14.471	14.524	VV	548364	6458235	83.27%	4.804%
16	15.999	15.961	16.014	BV	472234	6462850	83.33%	4.808%
17	16.034	16.014	16.092	VV	574714	6495480	83.75%	4.832%
18	16.375	16.301	16.452	BV	493675	6259856	80.71%	4.657%
19	17.742	17.701	17.757	BV	463093	6346582	81.83%	4.721%
20	17.778	17.757	17.951	VV	449896	6191231	79.83%	4.606%
21	17.994	17.951	18.144	VB	446403	6265654	80.78%	4.661%

Sum of corrected areas: 134424081

Aromatic EPH 102324.M Fri Nov 01 01:36:46 2024

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		Date Received:		
Client Sample ID:	PB164525BSD		SDG No.:	P4599	
Lab Sample ID:	PB164525BSD		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
FD048625.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.57		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.25		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.4		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	22.5		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.0		40 - 140	104%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	53.2		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	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:	PB164525BSD	Acq On:	30 Oct 2024 18:41
Client Sample ID:	PB164525BSD	Operator:	YP/AJ
Data file:	FD048625.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	4.094	5.812	9440252	53.576	200	ug/ml
Aromatic C12-C16	5.813	8.417	19303427	108.891	300	ug/ml
Aromatic C16-C21	8.418	12.679	35308940	215.518	500	ug/ml
Aromatic C21-C36	12.680	18.085	51655732	338.253	800	ug/ml
Aromatic EPH	4.094	18.085	115708351	716.239		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7894586	52.01		ug/ml
2-Flurobiphenyl (SURR)	8.223	8.223	5226799	53.23		ug/ml
ortho-Terphenyl (SURR)	11.259	11.259	7598459	44.61		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048625.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 18:41
Operator : YP/AJ
Sample : PB164525BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164525BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:02:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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...	7.373	7894586	52.014 ug/ml
	Spiked Amount 50.000		Recovery = 104.03%	
6)	S 2-Flurobiphenyl (SURR)	8.223	5226799	53.230 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 106.46%	
11)	S ortho-Terphenyl (SURR)	11.259	7598459	44.608 ug/ml
	Spiked Amount 50.000		Recovery = 89.22%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.195	4949559	28.450 ug/mlm
2)	T Naphthalene (C11.7)	5.712	5726726	32.094 ug/ml
3)	T 2-Methylnaphthalene (...	6.759	5704681	31.894 ug/ml
5)	T Acenaphthylene (C15.06)	8.025	6603103	37.605 ug/ml
7)	T Acenaphthene (C15.5)	8.321	6995643	39.442 ug/ml
8)	T Flouorene (C16.55)	9.099	6968023	41.222 ug/ml
9)	T Phenanthrene (C19.36)	10.486	6924252	41.888 ug/ml
10)	T Anthracene (C19.43)	10.561	6875067	42.993 ug/ml
12)	T Fluoranthene (C21.85)	12.290	7059650	42.896 ug/mlm
13)	T Pyrene (C20.8)	12.583	6875463	42.684 ug/ml
14)	T Benzo[a]anthracene (C...	14.452	6510948	44.530 ug/ml
15)	T Chrysene (C27.41)	14.494	6549044	39.814 ug/ml
16)	T benzo[b]fluoranthene ...	16.000	6560076	43.150 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.034	6590022	43.845 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.375	6353499	42.217 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.742	6435448	49.322 ug/ml
20)	T Dibenz[a,h]anthracene...	17.780	6296958	38.694 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.994	6359737	41.542 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048625.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 18:41
Operator : YP/AJ
Sample : PB164525BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

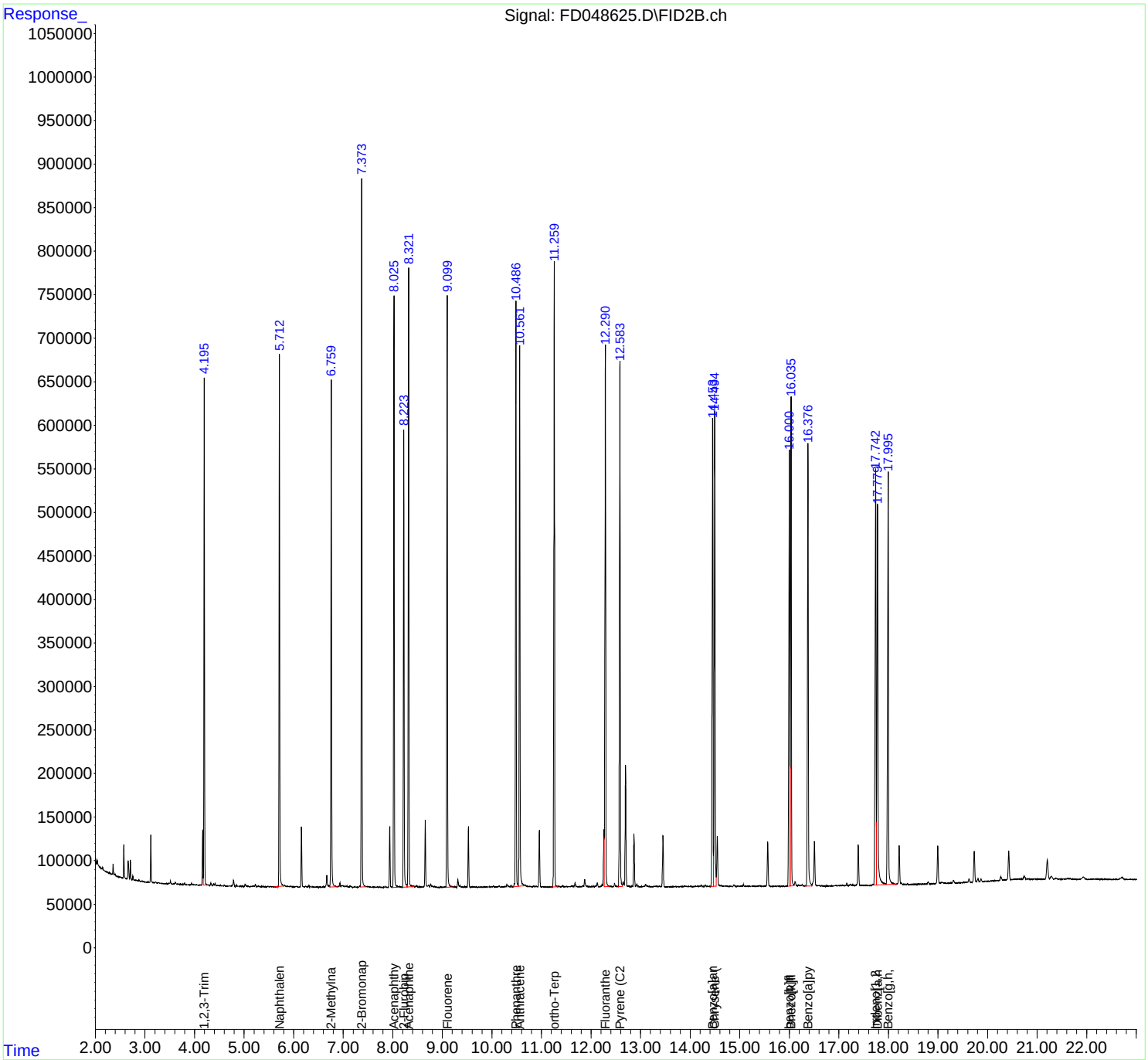
Instrument :
FID_D
ClientSampleId :
PB164525BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:02:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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 :
PB164525BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10302
Data File : FD048625.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 18:41
Sample : PB164525BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.195	4.161	4.261	BV	544232	3713526	47.04%	2.722%
2	5.712	5.604	5.805	BV	603110	5726726	72.54%	4.198%
3	6.759	6.725	6.888	VV	573996	5704681	72.26%	4.181%
4	7.373	7.344	7.464	VV	821526	7894586	100.00%	5.787%
5	8.025	7.981	8.109	VV	675891	6603103	83.64%	4.840%
6	8.223	8.194	8.290	PV	519238	5226799	66.21%	3.831%
7	8.321	8.290	8.434	VB	714175	6995643	88.61%	5.128%
8	9.099	9.066	9.238	VV	670991	6968023	88.26%	5.107%
9	10.486	10.421	10.531	PV	680978	6924252	87.71%	5.075%
10	10.561	10.531	10.668	VV	623986	6875067	87.09%	5.039%
11	11.259	11.181	11.331	BV	709464	7598459	96.25%	5.570%
12	12.289	12.234	12.451	VV	632475	7666135	97.11%	5.619%
13	12.583	12.544	12.628	BV	593735	6875463	87.09%	5.040%
14	14.452	14.404	14.471	PV	529505	6510948	82.47%	4.772%
15	14.494	14.471	14.524	VV	546686	6549044	82.96%	4.800%
16	16.000	15.961	16.015	BV	503435	6560076	83.10%	4.808%
17	16.034	16.015	16.094	VV	561951	6590022	83.48%	4.830%
18	16.375	16.314	16.454	BV	496632	6353499	80.48%	4.657%
19	17.742	17.701	17.757	BV	471893	6435448	81.52%	4.717%
20	17.780	17.757	17.951	VV	444105	6296958	79.76%	4.616%
21	17.994	17.951	18.168	VV	472866	6359737	80.56%	4.662%

Sum of corrected areas: 136428196

Aromatic EPH 102324.M Fri Nov 01 01:37:40 2024

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			Date Received:	
Client Sample ID:	PB164525BSD			SDG No.:	P4599
Lab Sample ID:	PB164525BSD			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
10/30/24 08:20	10/30/24 18:41	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.29		1	0.38	1.00	mg/kg	FC067570.D
Aliphatic C12-C16	Aliphatic C12-C16	5.19		1	0.24	0.67	mg/kg	FC067570.D
Aliphatic C16-C21	Aliphatic C16-C21	8.92		1	0.30	1.00	mg/kg	FC067570.D
Aliphatic C21-C28	Aliphatic C21-C28	12.1		1	0.80	1.33	mg/kg	FC067570.D
Aliphatic C28-C40	Aliphatic C28-C40	19.2		1	1.80	2.00	mg/kg	FC067570.D
Aromatic C10-C12	Aromatic C10-C12	3.57		1	0.30	0.67	mg/kg	FD048625.D
Aromatic C12-C16	Aromatic C12-C16	7.25		1	0.34	1.00	mg/kg	FD048625.D
Aromatic C16-C21	Aromatic C16-C21	14.4		1	0.96	1.67	mg/kg	FD048625.D
Aromatic C21-C36	Aromatic C21-C36	22.5		1	2.00	2.66	mg/kg	FD048625.D
Total AliphaticEPH	Total AliphaticEPH	50.7			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	47.7			3.60	6.00	mg/kg	
Total EPH	Total EPH	98.4			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		Date Received:		
Client Sample ID:	PB164525BSD		SDG No.:	P4599	
Lab Sample ID:	PB164525BSD		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
FC067570.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.29		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.19		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.92		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.1		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.2		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.0		40 - 140	92%	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:	PB164525BSD	Acq On:	30 Oct 2024 18:41
Client Sample ID:	PB164525BSD	Operator:	YP/AJ
Data file:	FC067570.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	3.174	6.453	10747913	79.338	300	ug/ml
Aliphatic C12-C16	6.454	9.842	10257303	77.895	200	ug/ml
Aliphatic C16-C21	9.843	13.199	17036966	133.901	300	ug/ml
Aliphatic C21-C28	13.200	16.852	21856330	181.999	400	ug/ml
Aliphatic C28-C40	16.853	21.694	29178995	288.635	600	ug/ml
Aliphatic EPH	3.174	21.694	89077507	761.768		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4963532	45.96		ug/ml
Aliphatic C9-C28	3.174	16.852	59898512	473.133	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067570.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:41
Operator : YP/AJ
Sample : PB164525BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164525BSD

Integration File: autoint1.e
Quant Time: Nov 01 00:19:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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...	12.932	4963532	45.964 ug/ml
Spiked Amount	50.000		Recovery =	91.93%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	2757170	20.466 ug/ml
2) T	n-Decane (C10)	4.339	3585124	26.314 ug/ml
4) T	n-Dodecane (C12)	6.354	4405619	32.528 ug/ml
6) T	n-Tetradecane (C14)	8.146	4922846	37.504 ug/ml
7) T	n-Hexadecane (C16)	9.745	5334457	40.381 ug/ml
8) T	n-Octadecane (C18)	11.183	5653413	42.792 ug/ml
10) T	n-Eicosane (C20)	12.491	5785633	45.853 ug/ml
11) T	n-Heneicosane (C21)	13.101	5597920	45.359 ug/ml
13) T	n-Docosane (C22)	13.686	5576352	45.540 ug/ml
14) T	n-Tetracosane (C24)	14.787	5514785	45.498 ug/ml
15) T	n-Hexacosane (C26)	15.806	5412755	45.464 ug/ml
16) T	n-Octacosane (C28)	16.755	5352438	45.496 ug/ml
17) T	n-Tricontane (C30)	17.641	5353618	44.292 ug/ml
18) T	n-Dotriacontane (C32)	18.471	5249970	44.371 ug/ml
19) T	n-Tetratriacontane (C34)	19.253	5081450	48.521 ug/ml
20) T	n-Hexatriacontane (C36)	19.991	4749536	52.177 ug/ml
21) T	n-Octatriacontane (C38)	20.712	4505880	52.030 ug/ml
22) T	n-Tetracontane (C40)	21.597	4238541	49.859 ug/ml

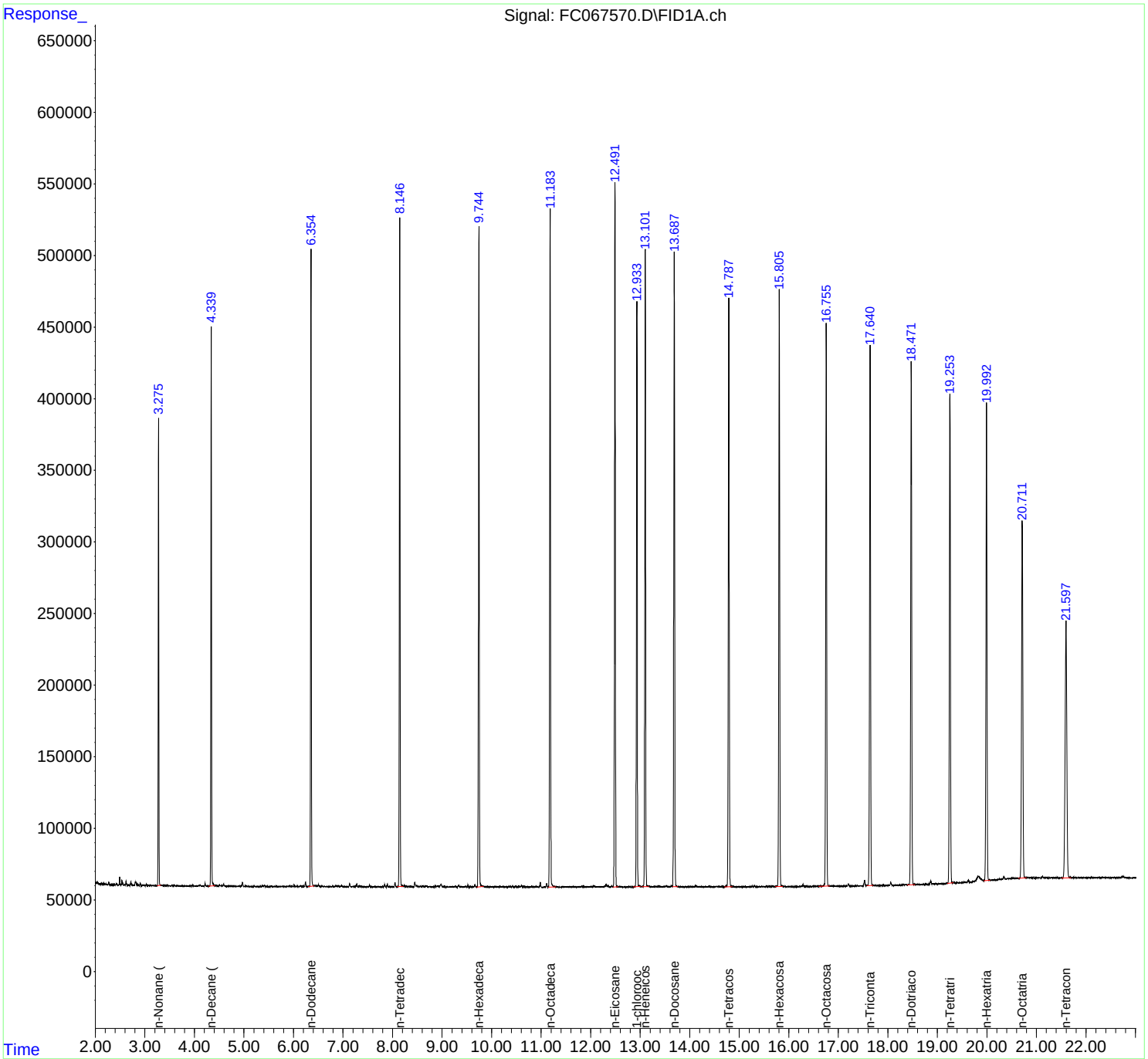
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067570.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:41
Operator : YP/AJ
Sample : PB164525BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164525BSD

Integration File: autoint1.e
Quant Time: Nov 01 00:19:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067570.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 18:41
Sample : PB164525BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.275	3.245	3.329	BB	326204	2757170	47.66%	2.932%
2	4.339	4.287	4.412	BB	389832	3585124	61.97%	3.812%
3	6.354	6.294	6.420	BV	444821	4405619	76.15%	4.685%
4	8.146	8.089	8.220	BV	463899	4922846	85.09%	5.235%
5	9.745	9.699	9.834	BB	461962	5334457	92.20%	5.672%
6	11.183	11.144	11.295	PB	473275	5653413	97.71%	6.012%
7	12.491	12.450	12.557	PB	491363	5785633	100.00%	6.152%
8	12.932	12.864	13.004	BB	402552	4963532	85.79%	5.278%
9	13.101	13.034	13.177	BB	445473	5597920	96.76%	5.953%
10	13.686	13.650	13.762	VB	443589	5576352	96.38%	5.930%
11	14.787	14.697	14.864	BB	410064	5514785	95.32%	5.864%
12	15.806	15.722	15.880	BB	410981	5412755	93.56%	5.756%
13	16.755	16.599	16.829	BB	393301	5352438	92.51%	5.692%
14	17.641	17.574	17.709	BB	376862	5353618	92.53%	5.693%
15	18.471	18.395	18.550	BB	366033	5249970	90.74%	5.583%
16	19.253	19.199	19.324	BB	337567	5081450	87.83%	5.403%
17	19.991	19.937	20.064	BB	333426	4749536	82.09%	5.050%
18	20.712	20.635	20.794	BB	247646	4505880	77.88%	4.791%
19	21.597	21.505	21.700	BB	179492	4238541	73.26%	4.507%

Sum of corrected areas: 94041039

Aliphatic EPH 102324.M Fri Nov 01 00:49:23 2024

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Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	WB-305-BOTMS			SDG No.:	P4599
Lab Sample ID:	P4578-05MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	82.1
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
10/30/24 08:20	10/30/24 20:30	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.45		1	0.46	1.22	mg/kg	FC067573.D
Aliphatic C12-C16	Aliphatic C12-C16	8.05		1	0.29	0.81	mg/kg	FC067573.D
Aliphatic C16-C21	Aliphatic C16-C21	12.4		1	0.37	1.22	mg/kg	FC067573.D
Aliphatic C21-C28	Aliphatic C21-C28	16.8		1	0.97	1.62	mg/kg	FC067573.D
Aliphatic C28-C40	Aliphatic C28-C40	28.8		1	2.19	2.44	mg/kg	FC067573.D
Aromatic C10-C12	Aromatic C10-C12	4.38		1	0.37	0.81	mg/kg	FD048630.D
Aromatic C12-C16	Aromatic C12-C16	9.67		1	0.41	1.22	mg/kg	FD048630.D
Aromatic C16-C21	Aromatic C16-C21	18.9		1	1.17	2.03	mg/kg	FD048630.D
Aromatic C21-C36	Aromatic C21-C36	29.9		1	2.44	3.25	mg/kg	FD048630.D
Total AliphaticEPH	Total AliphaticEPH	74.5			4.28	7.31	mg/kg	
Total AromaticEPH	Total AromaticEPH	62.9			4.39	7.31	mg/kg	
Total EPH	Total EPH	137			8.67	14.6	mg/kg	

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	WB-305-BOTMS		SDG No.:	P4599	
Lab Sample ID:	P4578-05MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.1	
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
FC067573.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.45		0.46	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	8.05		0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.4		0.37	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.8		0.97	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.8		2.19	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.7		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4578-05MS	Acq On:	30 Oct 2024 20:30
Client Sample ID:	WB-305-BOTMS	Operator:	YP/AJ
Data file:	FC067573.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	3.174	6.453	14109603	104.153	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13057818	99.162	200	ug/ml
Aliphatic C16-C21	9.843	13.199	19455440	152.909	300	ug/ml
Aliphatic C21-C28	13.200	16.852	24870492	207.098	400	ug/ml
Aliphatic C28-C40	16.853	21.694	35898622	355.104	600	ug/ml
Aliphatic EPH	3.174	21.694	107391975	918.427		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	5150146	47.69		ug/ml
Aliphatic C9-C28	3.174	16.852	71493353	563.322	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067573.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:30
Operator : YP/AJ
Sample : P4578-05MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-305-BOTMS

Integration File: autoint1.e
Quant Time: Nov 01 00:20:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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...	12.933	5150146	47.692 ug/ml
Spiked Amount	50.000		Recovery =	95.38%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	3588458	26.636 ug/ml
2) T	n-Decane (C10)	4.339	4576776	33.592 ug/ml
4) T	n-Dodecane (C12)	6.354	5639381	41.637 ug/ml
6) T	n-Tetradecane (C14)	8.146	6161613	46.942 ug/ml
7) T	n-Hexadecane (C16)	9.745	6335580	47.959 ug/ml
8) T	n-Octadecane (C18)	11.185	6518627	49.341 ug/ml
10) T	n-Eicosane (C20)	12.492	6559385	51.985 ug/ml
11) T	n-Heneicosane (C21)	13.102	6325991	51.258 ug/ml
13) T	n-Docosane (C22)	13.687	6296848	51.424 ug/ml
14) T	n-Tetracosane (C24)	14.788	6241989	51.497 ug/ml
15) T	n-Hexacosane (C26)	15.807	6150040	51.657 ug/ml
16) T	n-Octacosane (C28)	16.755	6076136	51.647 ug/ml
17) T	n-Tricontane (C30)	17.641	6097535	50.447 ug/ml
18) T	n-Dotriacontane (C32)	18.473	6034110	50.998 ug/ml
19) T	n-Tetratriacontane (C34)	19.254	5996134	57.255 ug/ml
20) T	n-Hexatriacontane (C36)	19.992	5850157	64.268 ug/ml
21) T	n-Octatriacontane (C38)	20.715	5856774	67.628 ug/ml
22) T	n-Tetracontane (C40)	21.598	5803374	68.266 ug/ml

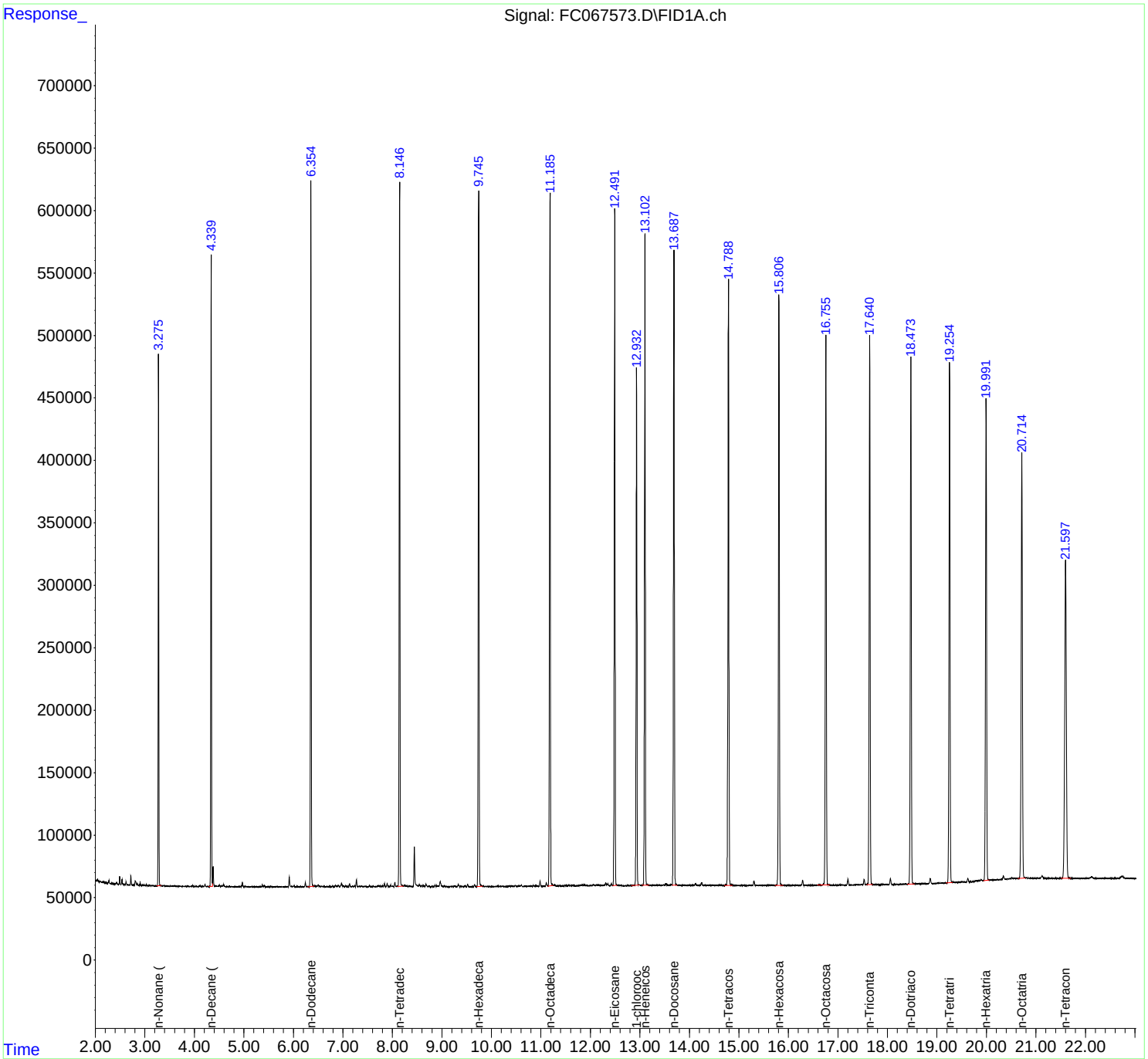
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067573.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:30
Operator : YP/AJ
Sample : P4578-05MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-305-BOTMS

Integration File: autoint1.e
Quant Time: Nov 01 00:20:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067573.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 20:30
Sample : P4578-05MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.275	3.245	3.328	BB	425498	3588458	54.71%	3.189%
2	4.339	4.283	4.364	BV	503771	4576776	69.77%	4.067%
3	4.379	4.364	4.425	VB	15947	154844	2.36%	0.138%
4	4.970	4.898	5.000	BV	3403	42055	0.64%	0.037%
5	5.918	5.873	5.952	BB	7709	75935	1.16%	0.067%
6	6.243	6.188	6.265	BB	3362	32154	0.49%	0.029%
7	6.354	6.288	6.418	BV	563417	5639381	85.97%	5.011%
8	7.275	7.198	7.300	BB	5478	62594	0.95%	0.056%
9	8.051	7.985	8.073	VB	3279	42095	0.64%	0.037%
10	8.146	8.097	8.222	BV	565169	6161613	93.94%	5.475%
11	8.445	8.402	8.520	BB	31961	368861	5.62%	0.328%
12	8.966	8.885	9.008	VB	3954	87075	1.33%	0.077%
13	9.745	9.698	9.827	BB	556233	6335580	96.59%	5.630%
14	10.985	10.873	11.018	BB	3927	51437	0.78%	0.046%
15	11.185	11.143	11.250	PV	551855	6518627	99.38%	5.792%
16	12.492	12.447	12.538	PB	542977	6559385	100.00%	5.828%
17	12.933	12.828	12.997	BB	412505	5150146	78.52%	4.576%
18	13.102	13.038	13.183	BB	521141	6325991	96.44%	5.621%
19	13.687	13.648	13.757	VB	507348	6296848	96.00%	5.595%
20	14.788	14.698	14.870	BB	487064	6241989	95.16%	5.546%
21	15.305	15.245	15.342	BB	3612	49875	0.76%	0.044%
22	15.807	15.723	15.897	BB	471356	6150040	93.76%	5.465%
23	16.286	16.230	16.313	BB	4120	55604	0.85%	0.049%
24	16.755	16.585	16.832	BB	440372	6076136	92.63%	5.399%
25	17.201	17.153	17.247	BB	4751	67381	1.03%	0.060%
26	17.529	17.473	17.567	BB	4280	58667	0.89%	0.052%
27	17.641	17.575	17.707	BB	438535	6097535	92.96%	5.418%
28	18.059	18.005	18.102	BB	4758	68887	1.05%	0.061%
29	18.473	18.398	18.550	BB	424008	6034110	91.99%	5.362%
30	18.865	18.810	18.913	BB	4166	65603	1.00%	0.058%
31	19.254	19.180	19.318	BV	415510	5996134	91.41%	5.328%
32	19.992	19.937	20.062	BB	382817	5850157	89.19%	5.198%
33	20.715	20.632	20.790	BB	341490	5856774	89.29%	5.204%
34	21.598	21.503	21.707	BB	253599	5803374	88.47%	5.157%

Sum of corrected areas: 112542121

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			Date Received:	
Client Sample ID:	WB-305-BOTMS			SDG No.:	P4599
Lab Sample ID:	P4578-05MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	82.1
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
FD048630.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.38		0.37	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.67		0.41	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.9		1.17	2.03	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.9		2.44	3.25	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.2		40 - 140	98%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.0		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.4		40 - 140	69%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4578-05MS	Acq On:	30 Oct 2024 21:43
Client Sample ID:	WB-305-BOTMS	Operator:	YP/AJ
Data file:	FD048630.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	4.094	5.812	9516391	54.008	200	ug/ml
Aromatic C12-C16	5.813	8.417	21115953	119.115	300	ug/ml
Aromatic C16-C21	8.418	12.679	38106574	232.595	500	ug/ml
Aromatic C21-C36	12.680	18.085	56323449	368.819	800	ug/ml
Aromatic EPH	4.094	18.085	125062367	774.537		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7467714	49.2		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	4620375	47.05		ug/ml
ortho-Terphenyl (SURR)	11.257	11.257	5863949	34.43		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048630.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 21:43
Operator : YP/AJ
Sample : P4578-05MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-305-BOTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:03:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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...	7.373	7467714	49.201 ug/ml
	Spiked Amount 50.000		Recovery =	98.40%
6)	S 2-Flurobiphenyl (SURR)	8.222	4620375	47.055 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	94.11%
11)	S ortho-Terphenyl (SURR)	11.257	5863949	34.425 ug/ml
	Spiked Amount 50.000		Recovery =	68.85%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.194	4920301	28.282 ug/mlm
2)	T Naphthalene (C11.7)	5.713	5815643	32.593 ug/ml
3)	T 2-Methylnaphthalene (...	6.759	5810207	32.484 ug/ml
5)	T Acenaphthylene (C15.06)	8.025	6665482	37.960 ug/ml
7)	T Acenaphthene (C15.5)	8.320	7005740	39.499 ug/ml
8)	T Flouorene (C16.55)	9.098	6908004	40.867 ug/ml
9)	T Phenanthrene (C19.36)	10.485	6804222	41.161 ug/ml
10)	T Anthracene (C19.43)	10.561	6798493	42.514 ug/ml
12)	T Fluoranthene (C21.85)	12.290	6834101	41.525 ug/mlm
13)	T Pyrene (C20.8)	12.583	6661281	41.355 ug/ml
14)	T Benzo[a]anthracene (C...	14.452	6331006	43.299 ug/ml
15)	T Chrysene (C27.41)	14.495	6394235	38.873 ug/ml
16)	T benzo[b]fluoranthene ...	16.000	6351512	41.778 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.034	6387963	42.500 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.376	6146235	40.840 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.742	6480771	49.669 ug/ml
20)	T Dibenz[a,h]anthracene...	17.779	6359196	39.077 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.994	6256988	40.871 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048630.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 21:43
Operator : YP/AJ
Sample : P4578-05MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

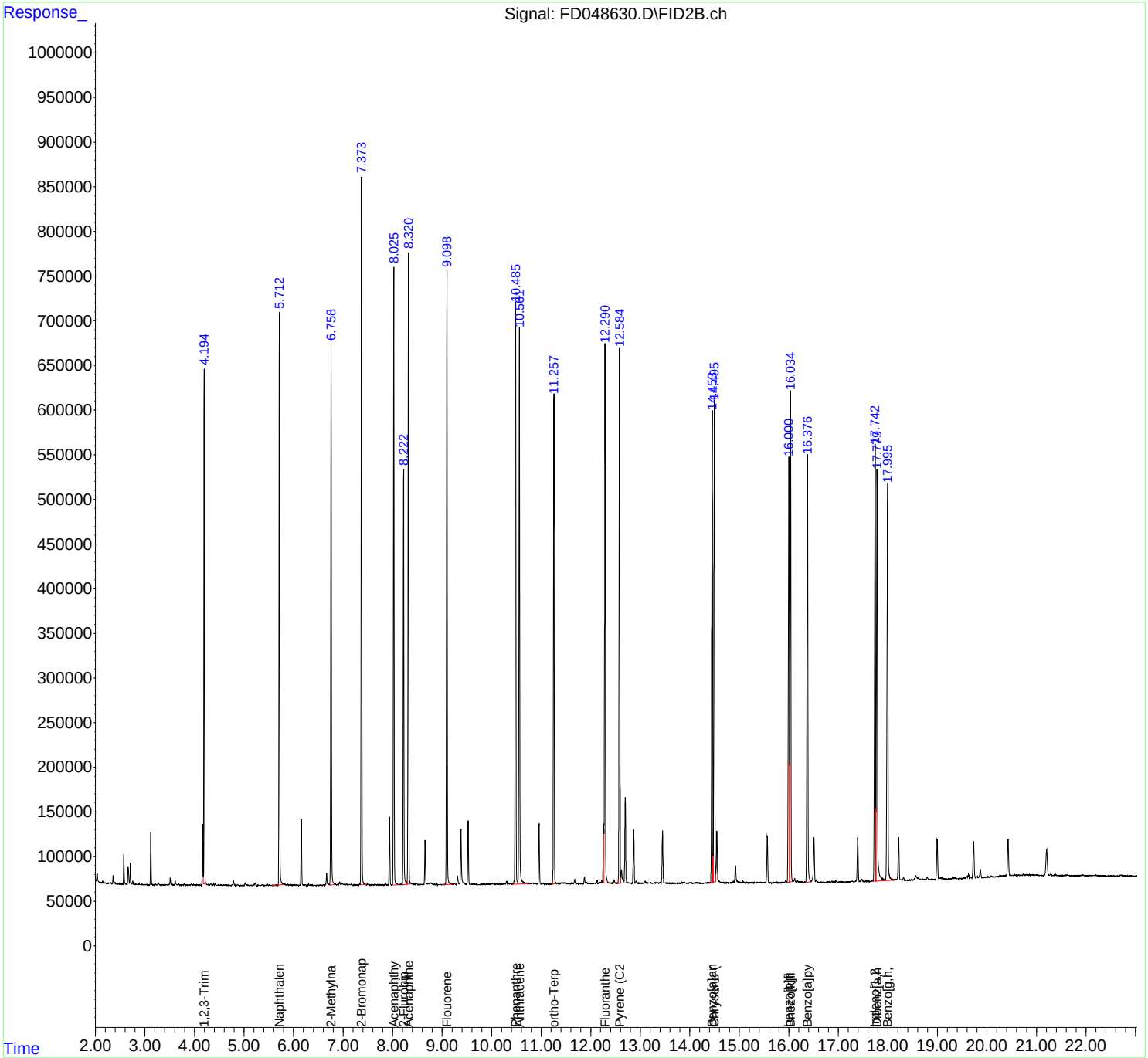
Instrument :
FID_D
ClientSampleId :
WB-305-BOTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:03:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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 :
WB-305-BOTMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10302
Data File : FD048630.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 21:43
Sample : P4578-05MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.195	4.161	4.259	BV	537845	3632930	48.30%	2.540%
2	4.788	4.738	4.826	PV	4980	67818	0.90%	0.047%
3	5.713	5.571	5.808	BV	634676	5815643	77.32%	4.066%
4	6.158	6.081	6.225	BB	73852	716035	9.52%	0.501%
5	6.669	6.621	6.725	BV	13499	163845	2.18%	0.115%
6	6.759	6.725	6.841	VV	603227	5810207	77.25%	4.063%
7	7.373	7.343	7.468	VV	779970	7467714	99.28%	5.222%
8	7.939	7.908	7.978	PV	76181	754644	10.03%	0.528%
9	8.025	7.978	8.115	VV	691711	6665482	88.62%	4.661%
10	8.222	8.195	8.290	PV	462456	4620375	61.43%	3.231%
11	8.320	8.290	8.381	VV	711098	7005740	93.14%	4.899%
12	8.656	8.598	8.708	PV	49406	502247	6.68%	0.351%
13	9.098	9.039	9.228	VB	684745	6908004	91.84%	4.830%
14	9.314	9.291	9.344	PV	9679	113990	1.52%	0.080%
15	9.381	9.344	9.487	VV	61950	781494	10.39%	0.546%
16	9.527	9.487	9.571	VV	70941	750633	9.98%	0.525%
17	10.485	10.421	10.528	BV	649811	6804222	90.46%	4.758%
18	10.561	10.528	10.728	VV	624476	6798493	90.39%	4.754%
19	10.959	10.925	11.005	BV	67627	745433	9.91%	0.521%
20	11.257	11.201	11.316	BV	549316	5863949	77.96%	4.100%
21	11.677	11.645	11.741	BV	4586	61906	0.82%	0.043%
22	11.874	11.741	11.938	PV	7264	110824	1.47%	0.077%
23	12.224	12.194	12.235	VV	3554	42932	0.57%	0.030%
24	12.290	12.235	12.415	VV	610082	7521534	100.00%	5.259%
25	12.474	12.454	12.511	VV	3886	45511	0.61%	0.032%
26	12.583	12.511	12.609	PV	606486	6661281	88.56%	4.658%
27	12.622	12.609	12.639	VV	14351	178298	2.37%	0.125%
28	12.647	12.639	12.671	VV	6038	79772	1.06%	0.056%
29	12.697	12.671	12.765	VB	95563	1124069	14.94%	0.786%
30	12.868	12.788	12.901	BV	60001	698857	9.29%	0.489%
31	13.450	13.420	13.518	PB	58722	717136	9.53%	0.501%
32	14.452	14.372	14.471	PV	525244	6331006	84.17%	4.427%
33	14.495	14.471	14.524	VV	537493	6394235	85.01%	4.471%
34	14.547	14.524	14.578	VV	56355	730318	9.71%	0.511%
35	14.920	14.895	15.041	VV	19268	308209	4.10%	0.216%
36	15.563	15.506	15.598	VV	52689	676240	8.99%	0.473%

Instrument :
FID_D
ClientSampleId :
WB-305-BOTMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

37	16.000	15.961	16.015	BV	481175	6351512	84.44%	4.441%
38	16.034	16.015	16.091	VV	554086	6387963	84	
39	16.376	16.334	16.450	PV	473295	6146235	81	
40	16.506	16.450	16.535	VV	49466	701607	9	
41	17.389	17.331	17.445	BV	49297	659107	8	
42	17.742	17.701	17.757	BV	483918	6480771	86	
43	17.779	17.757	17.948	VV	453108	6359196	84.55%	4.447%
44	17.994	17.948	18.131	VV	448767	6256988	83.19%	4.375%

Sum of corrected areas: 143014406

Aromatic EPH 102324.M Fri Nov 01 01:39:05 2024

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		Date Received:		
Client Sample ID:	WB-305-BOTMSD		SDG No.:	P4599	
Lab Sample ID:	P4578-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.1	
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
FD048631.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.11		0.36	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.62		0.41	1.21	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.7		1.17	2.02	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.7		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)	46.9		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.2		40 - 140	68%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4578-05MSD	Acq On:	30 Oct 2024 22:20
Client Sample ID:	WB-305-BOTMSD	Operator:	YP/AJ
Data file:	FD048631.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	4.094	5.812	8942128	50.749	200	ug/ml
Aromatic C12-C16	5.813	8.417	21080162	118.913	300	ug/ml
Aromatic C16-C21	8.418	12.679	37877596	231.197	500	ug/ml
Aromatic C21-C36	12.680	18.085	56012445	366.782	800	ug/ml
Aromatic EPH	4.094	18.085	123912331	767.641		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7428124	48.94		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	4605008	46.9		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	5828387	34.22		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048631.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 22:20
Operator : YP/AJ
Sample : P4578-05MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-305-BOTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:03:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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...	7.373	7428124	48.940 ug/ml
Spiked Amount	50.000		Recovery =	97.88%
6) S	2-Flurobiphenyl (SURR)	8.222	4605008	46.898 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	93.80%
11) S	ortho-Terphenyl (SURR)	11.258	5828387	34.216 ug/ml
Spiked Amount	50.000		Recovery =	68.43%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	4951664	28.463 ug/mlm
2) T	Naphthalene (C11.7)	5.713	5802621	32.520 ug/ml
3) T	2-Methylnaphthalene (...	6.759	5809667	32.481 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	6631639	37.767 ug/ml
7) T	Acenaphthene (C15.5)	8.320	7008837	39.517 ug/ml
8) T	Flouorene (C16.55)	9.098	6889852	40.759 ug/ml
9) T	Phenanthrene (C19.36)	10.485	6768309	40.944 ug/ml
10) T	Anthracene (C19.43)	10.561	6759963	42.274 ug/ml
12) T	Fluoranthene (C21.85)	12.289	6805632	41.352 ug/mlm
13) T	Pyrene (C20.8)	12.582	6620367	41.101 ug/ml
14) T	Benzo[a]anthracene (C...	14.452	6296550	43.064 ug/ml
15) T	Chrysene (C27.41)	14.494	6356666	38.644 ug/ml
16) T	benzo[b]fluoranthene ...	16.000	6323648	41.595 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.033	6345911	42.221 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.374	6123850	40.691 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.742	6434736	49.317 ug/ml
20) T	Dibenz[a,h]anthracene...	17.779	6327753	38.884 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.994	6206877	40.543 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103024AR\
Data File : FD048631.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 22:20
Operator : YP/AJ
Sample : P4578-05MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

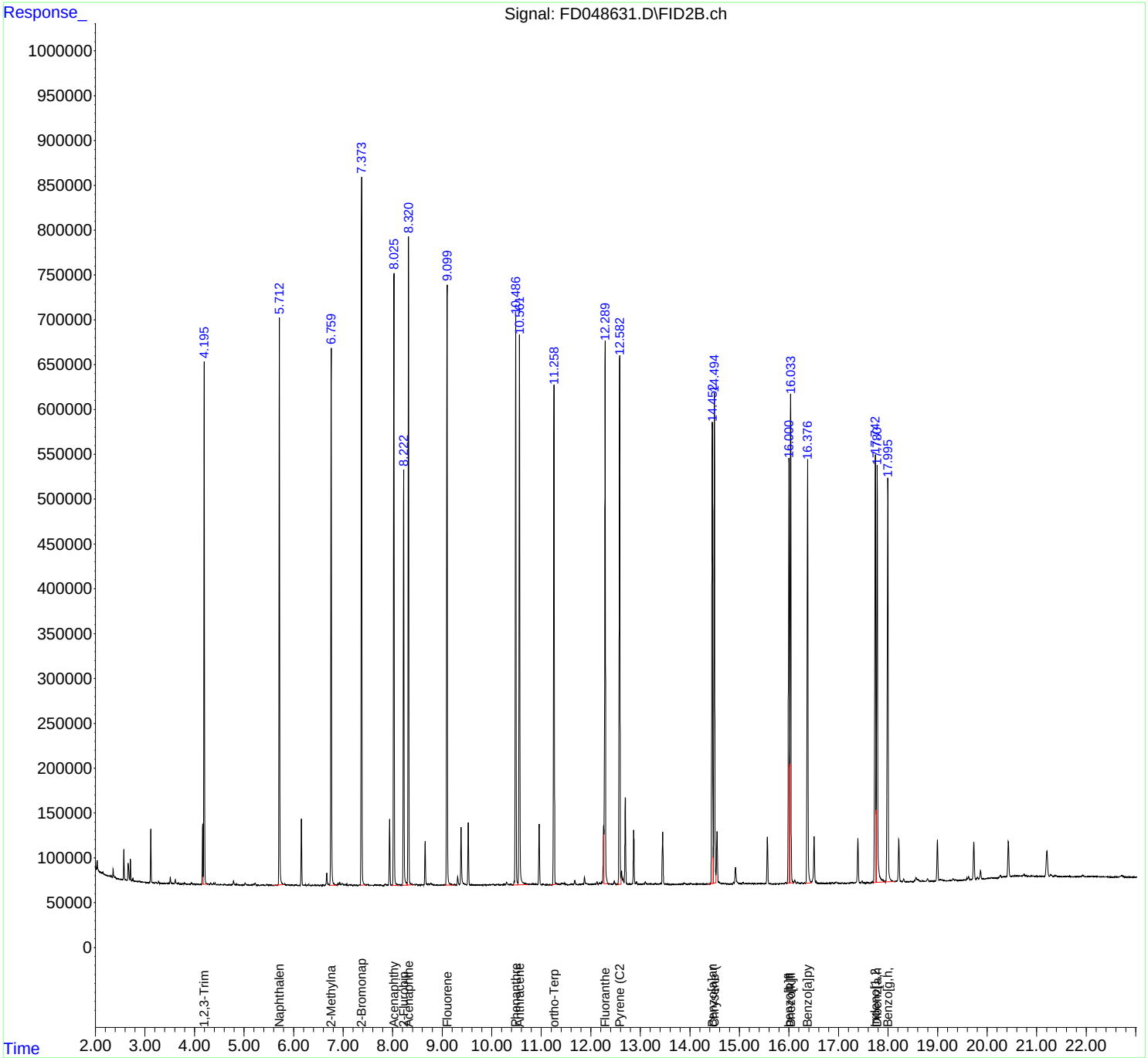
Instrument :
FID_D
ClientSampleId :
WB-305-BOTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
Quant Time: Nov 01 01:03:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
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 :
WB-305-BOTMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10302
Data File : FD048631.D
Signal(s) : FID2B.ch
Acq On : 30 Oct 2024 22:20
Sample : P4578-05MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.195	4.161	4.294	BB	537675	3077306	41.28%	2.171%
2	4.788	4.731	4.826	BV	4766	62201	0.83%	0.044%
3	5.713	5.588	5.808	BV	623821	5802621	77.83%	4.093%
4	6.158	6.094	6.194	BB	74241	709891	9.52%	0.501%
5	6.669	6.624	6.724	BV	13729	170690	2.29%	0.120%
6	6.759	6.724	6.881	VV	594112	5809667	77.93%	4.098%
7	7.373	7.343	7.458	VV	790602	7428124	99.63%	5.239%
8	7.939	7.914	7.978	BV	73146	749438	10.05%	0.529%
9	8.025	7.978	8.109	VV	675150	6631639	88.95%	4.678%
10	8.222	8.193	8.290	PV	459859	4605008	61.77%	3.248%
11	8.320	8.290	8.413	VV	727286	7008837	94.01%	4.944%
12	8.656	8.599	8.704	VV	48802	515529	6.91%	0.364%
13	9.098	9.037	9.241	VV	661138	6889852	92.41%	4.860%
14	9.314	9.277	9.342	PV	9390	114445	1.54%	0.081%
15	9.382	9.342	9.498	VV	64470	791606	10.62%	0.558%
16	9.527	9.498	9.581	VV	69893	746906	10.02%	0.527%
17	10.485	10.414	10.529	PV	628842	6768309	90.78%	4.774%
18	10.561	10.529	10.727	VV	614835	6759963	90.67%	4.768%
19	10.958	10.917	11.001	PV	66968	742651	9.96%	0.524%
20	11.258	11.183	11.318	PV	554093	5828387	78.18%	4.111%
21	11.677	11.648	11.731	BB	4705	59799	0.80%	0.042%
22	11.874	11.850	11.938	VV	8163	112608	1.51%	0.079%
23	12.289	12.234	12.381	VV	595700	7455411	100.00%	5.259%
24	12.475	12.453	12.513	VV	3813	45922	0.62%	0.032%
25	12.582	12.513	12.609	PV	586770	6620367	88.80%	4.670%
26	12.622	12.609	12.639	VV	14599	177934	2.39%	0.126%
27	12.647	12.639	12.669	VV	6011	76294	1.02%	0.054%
28	12.697	12.669	12.764	VB	96071	1116356	14.97%	0.787%
29	12.867	12.784	12.901	BV	60080	697699	9.36%	0.492%
30	13.450	13.420	13.524	VB	58053	711563	9.54%	0.502%
31	14.452	14.369	14.471	PV	511900	6296550	84.46%	4.441%
32	14.494	14.471	14.524	VV	548671	6356666	85.26%	4.484%
33	14.546	14.524	14.577	VV	56974	727327	9.76%	0.513%
34	14.920	14.894	15.044	VV	18407	309150	4.15%	0.218%
35	15.562	15.505	15.594	PB	52158	667257	8.95%	0.471%
36	16.000	15.961	16.014	BV	477402	6323648	84.82%	4.460%

Instrument :
FID_D
ClientSampleId :
WB-305-BOTMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

rteres

37	16.033	16.014	16.094	VV	550488	6345911	85.12%	4.476%
38	16.374	16.333	16.453	PV	473230	6123850	82	
39	16.505	16.453	16.534	VV	51362	700075	9	
40	17.389	17.304	17.448	VV	49646	667027	8	
41	17.742	17.701	17.758	BV	470350	6434736	86	
42	17.779	17.758	17.951	VV	468457	6327753	84	
43	17.994	17.951	18.128	VV	449969	6206877	83.25%	4.378%

Sum of corrected areas: 141773850

Aromatic EPH 102324.M Fri Nov 01 01:39:17 2024

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			Date Received:	
Client Sample ID:	WB-305-BOTMSD			SDG No.:	P4599
Lab Sample ID:	P4578-05MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	82.1
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
10/30/24 08:20	10/30/24 21:06	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.42		1	0.46	1.21	mg/kg	FC067574.D
Aliphatic C12-C16	Aliphatic C12-C16	8.04		1	0.29	0.81	mg/kg	FC067574.D
Aliphatic C16-C21	Aliphatic C16-C21	12.5		1	0.36	1.21	mg/kg	FC067574.D
Aliphatic C21-C28	Aliphatic C21-C28	16.8		1	0.97	1.62	mg/kg	FC067574.D
Aliphatic C28-C40	Aliphatic C28-C40	29.0		1	2.19	2.43	mg/kg	FC067574.D
Aromatic C10-C12	Aromatic C10-C12	4.11		1	0.36	0.81	mg/kg	FD048631.D
Aromatic C12-C16	Aromatic C12-C16	9.62		1	0.41	1.21	mg/kg	FD048631.D
Aromatic C16-C21	Aromatic C16-C21	18.7		1	1.17	2.02	mg/kg	FD048631.D
Aromatic C21-C36	Aromatic C21-C36	29.7		1	2.43	3.24	mg/kg	FD048631.D
Total AliphaticEPH	Total AliphaticEPH	74.8			4.28	7.28	mg/kg	
Total AromaticEPH	Total AromaticEPH	62.1			4.38	7.28	mg/kg	
Total EPH	Total EPH	137			8.65	14.6	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	WB-305-BOTMSD		SDG No.:	P4599	
Lab Sample ID:	P4578-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.1	
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
FC067574.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.42		0.46	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	8.04		0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.5		0.36	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.8		0.97	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.0		2.19	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.2		40 - 140	92%	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:	P4578-05MSD	Acq On:	30 Oct 2024 21:06
Client Sample ID:	WB-305-BOTMSD	Operator:	YP/AJ
Data file:	FC067574.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	3.174	6.453	14097141	104.061	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13086719	99.381	200	ug/ml
Aliphatic C16-C21	9.843	13.199	19579545	153.885	300	ug/ml
Aliphatic C21-C28	13.200	16.852	24987811	208.075	400	ug/ml
Aliphatic C28-C40	16.853	21.694	36242219	358.503	600	ug/ml
Aliphatic EPH	3.174	21.694	107993435	923.906		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	4987072	46.18		ug/ml
Aliphatic C9-C28	3.174	16.852	71751216	565.402	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067574.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 21:06
Operator : YP/AJ
Sample : P4578-05MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-305-BOTMSD

Integration File: autoint1.e
Quant Time: Nov 01 00:20:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
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...	12.933	4987072	46.182 ug/ml
Spiked Amount	50.000		Recovery =	92.36%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	3583741	26.601 ug/ml
2) T	n-Decane (C10)	4.339	4576776	33.592 ug/ml
4) T	n-Dodecane (C12)	6.354	5664956	41.826 ug/ml
6) T	n-Tetradecane (C14)	8.147	6195924	47.203 ug/ml
7) T	n-Hexadecane (C16)	9.744	6381001	48.303 ug/ml
8) T	n-Octadecane (C18)	11.184	6570545	49.734 ug/ml
10) T	n-Eicosane (C20)	12.491	6603946	52.339 ug/ml
11) T	n-Heneicosane (C21)	13.102	6361095	51.542 ug/ml
13) T	n-Docosane (C22)	13.687	6331125	51.704 ug/ml
14) T	n-Tetracosane (C24)	14.789	6268169	51.713 ug/ml
15) T	n-Hexacosane (C26)	15.806	6179214	51.902 ug/ml
16) T	n-Octacosane (C28)	16.755	6106098	51.902 ug/ml
17) T	n-Tricontane (C30)	17.641	6126409	50.685 ug/ml
18) T	n-Dotriacontane (C32)	18.472	6057137	51.193 ug/ml
19) T	n-Tetratriacontane (C34)	19.254	6020511	57.487 ug/ml
20) T	n-Hexatriacontane (C36)	19.993	5879259	64.588 ug/ml
21) T	n-Octatriacontane (C38)	20.714	5889140	68.002 ug/ml
22) T	n-Tetracontane (C40)	21.597	5838613	68.681 ug/ml

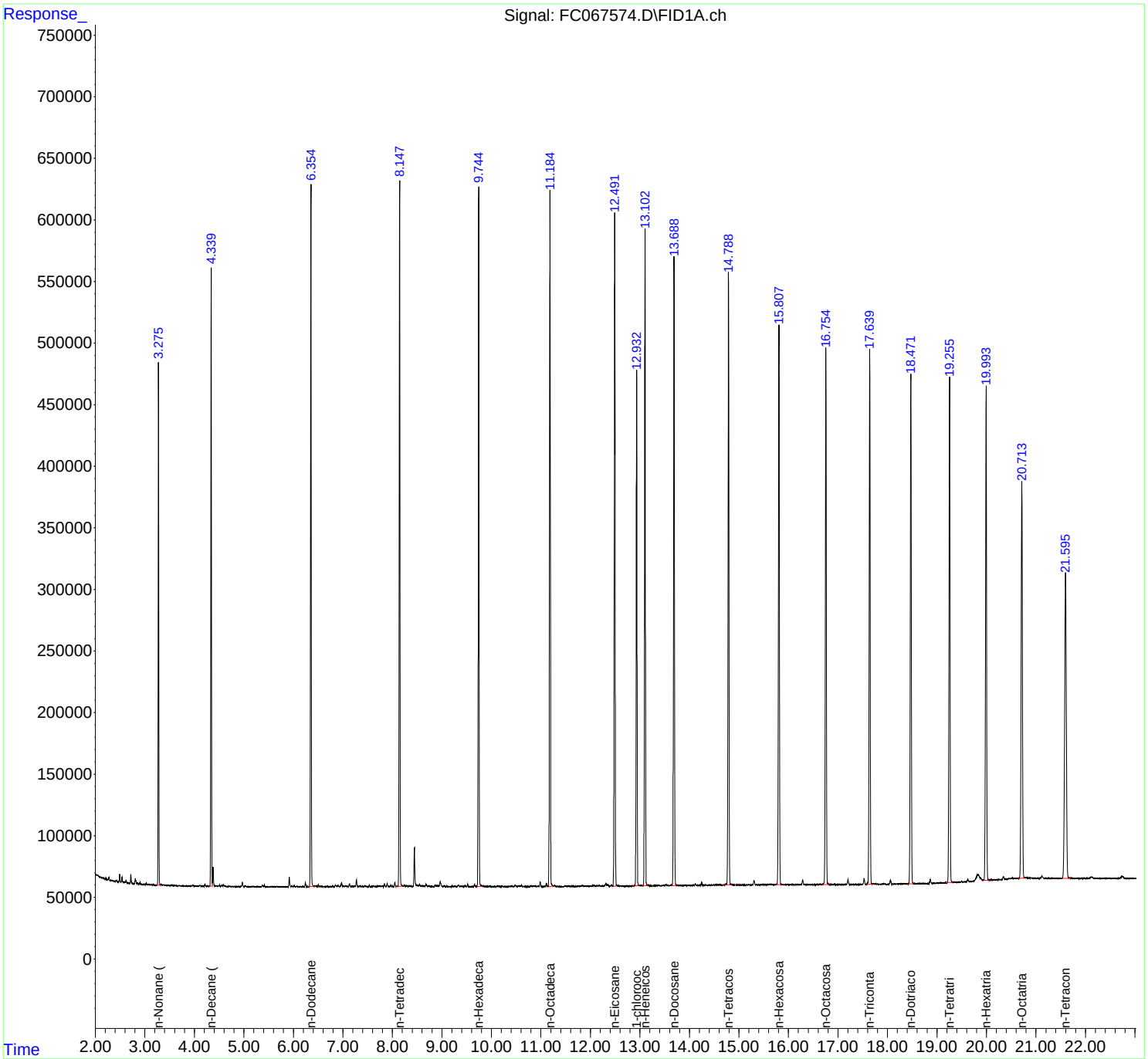
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067574.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 21:06
Operator : YP/AJ
Sample : P4578-05MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-305-BOTMSD

Integration File: autoint1.e
Quant Time: Nov 01 00:20:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103024AL\
Data File : FC067574.D
Signal(s) : FID1A.ch
Acq On : 30 Oct 2024 21:06
Sample : P4578-05MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.275	3.245	3.340	BB	424353	3583741	54.27%	3.172%
2	4.339	4.282	4.364	BV	500623	4576776	69.30%	4.051%
3	4.379	4.364	4.424	VB	15602	153387	2.32%	0.136%
4	4.970	4.914	5.005	BB	3372	42809	0.65%	0.038%
5	5.918	5.869	5.950	BB	7716	75472	1.14%	0.067%
6	6.354	6.292	6.424	BV	573219	5664956	85.78%	5.014%
7	7.275	7.225	7.302	BB	5453	59658	0.90%	0.053%
8	8.147	8.085	8.215	BV	572690	6195924	93.82%	5.484%
9	8.445	8.404	8.519	BB	31519	369876	5.60%	0.327%
10	8.966	8.890	9.019	BB	3834	80260	1.22%	0.071%
11	9.744	9.704	9.827	BB	567431	6381001	96.62%	5.648%
12	10.984	10.934	11.029	BB	3896	43959	0.67%	0.039%
13	11.184	11.142	11.257	PV	565124	6570545	99.49%	5.816%
14	12.491	12.450	12.540	PB	543923	6603946	100.00%	5.845%
15	12.933	12.837	12.985	BB	414719	4987072	75.52%	4.414%
16	13.102	13.042	13.177	BB	533216	6361095	96.32%	5.630%
17	13.687	13.648	13.760	VB	505812	6331125	95.87%	5.604%
18	14.789	14.689	14.860	BB	494107	6268169	94.92%	5.548%
19	15.304	15.247	15.335	BB	3616	49771	0.75%	0.044%
20	15.806	15.724	15.884	BB	449028	6179214	93.57%	5.469%
21	16.286	16.234	16.325	BB	4013	53434	0.81%	0.047%
22	16.755	16.672	16.839	BB	433458	6106098	92.46%	5.405%
23	17.201	17.147	17.242	BB	3618	57167	0.87%	0.051%
24	17.528	17.475	17.557	BB	4555	61323	0.93%	0.054%
25	17.641	17.574	17.709	BB	432109	6126409	92.77%	5.423%
26	18.059	18.000	18.100	BB	3510	54321	0.82%	0.048%
27	18.472	18.397	18.547	BB	412476	6057137	91.72%	5.361%
28	19.254	19.177	19.320	BB	401798	6020511	91.17%	5.329%
29	19.835	19.717	19.932	BB	5041	258339	3.91%	0.229%
30	19.993	19.934	20.072	BB	399395	5879259	89.03%	5.204%
31	20.714	20.630	20.787	BB	320124	5889140	89.18%	5.213%
32	21.597	21.500	21.705	BB	242299	5838613	88.41%	5.168%

Sum of corrected areas: 112980507

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Manual Integration Report

Sequence:	FC102324AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FC103024AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164528BS	FC067566.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:39:38 AM	Ankita	11/4/2024 9:47:53	Peak Integrated by Software
PB164528BSD	FC067567.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:39:39 AM	Ankita	11/4/2024 9:47:54	Peak Integrated by Software
P4598-01MS	FC067582.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:39:40 AM	Ankita	11/4/2024 9:47:56	Peak Integrated by Software
P4598-01MSD	FC067583.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:39:41 AM	Ankita	11/4/2024 9:47:57	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102324AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FD103024AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164525BS	FD048624.D	1,2,3-Trimethylbenzene (C10.1)	Yogesh	11/4/2024 9:39:56 AM	Ankita	11/4/2024 9:48:23	Peak Integrated by Software
PB164525BS	FD048624.D	Fluoranthene (C21.85)	Yogesh	11/4/2024 9:39:56 AM	Ankita	11/4/2024 9:48:23	Peak Integrated by Software
PB164525BSD	FD048625.D	1,2,3-Trimethylbenzene (C10.1)	Yogesh	11/4/2024 9:39:57 AM	Ankita	11/4/2024 9:48:25	Peak Integrated by Software
PB164525BSD	FD048625.D	Fluoranthene (C21.85)	Yogesh	11/4/2024 9:39:57 AM	Ankita	11/4/2024 9:48:25	Peak Integrated by Software
P4578-03	FD048626.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:39:59 AM	Ankita	11/4/2024 9:48:26	Peak Integrated by Software
P4578-05MS	FD048630.D	1,2,3-Trimethylbenzene (C10.1)	Yogesh	11/4/2024 9:40:00 AM	Ankita	11/4/2024 9:48:28	Peak Integrated by Software
P4578-05MS	FD048630.D	Fluoranthene (C21.85)	Yogesh	11/4/2024 9:40:00 AM	Ankita	11/4/2024 9:48:28	Peak Integrated by Software
P4578-05MSD	FD048631.D	1,2,3-Trimethylbenzene (C10.1)	Yogesh	11/4/2024 9:40:03 AM	Ankita	11/4/2024 9:48:29	Peak Integrated by Software
P4578-05MSD	FD048631.D	Fluoranthene (C21.85)	Yogesh	11/4/2024 9:40:03 AM	Ankita	11/4/2024 9:48:29	Peak Integrated by Software
P4578-07	FD048632.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:40:05 AM	Ankita	11/4/2024 9:48:30	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE100824AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM ALIPHATIC HC	FE050538.D	n-Octatriacontane (C38)	yogesh	10/8/2024 8:01:13 AM	Ankita	10/8/2024 9:52:52	Peak Integrated by Software
5 PPM ALIPHATIC HC	FE050539.D	n-Tetracontane (C40)	yogesh	10/8/2024 8:01:15 AM	Ankita	10/8/2024 9:52:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE103024AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE050899.D	n-Docosane (C22)	yogesh	10/31/2024 12:13:48 PM	Ankita	11/4/2024 9:21:58	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050899.D	n-Hexatriacontane (C36)	yogesh	10/31/2024 12:13:48 PM	Ankita	11/4/2024 9:21:58	Peak Integrated by Software
P4598-09	FE050902.D	1-chlorooctadecane (SURR)	yogesh	10/31/2024 12:13:49 PM	Ankita	11/4/2024 9:22:01	Peak Integrated by Software
P4598-10	FE050903.D	1-chlorooctadecane (SURR)	yogesh	10/31/2024 12:13:51 PM	Ankita	11/4/2024 9:22:03	Peak Integrated by Software
P4612-05	FE050914.D	1-chlorooctadecane (SURR)	yogesh	10/31/2024 12:13:52 PM	Ankita	11/4/2024 9:22:05	Peak Integrated by Software
P4599-02	FE050923.D	1-chlorooctadecane (SURR)	yogesh	10/31/2024 12:13:54 PM	Ankita	11/4/2024 9:22:06	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050932.D	n-Docosane (C22)	yogesh	11/1/2024 10:05:36 AM	Ankita	11/4/2024 9:22:07	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050932.D	n-Hexatriacontane (C36)	yogesh	11/1/2024 10:05:36 AM	Ankita	11/4/2024 9:22:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE103124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE050935.D	n-Hexacosane (C26)	yogesh	11/1/2024 8:16:47 AM	Ankita	11/4/2024 9:49:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050935.D	n-Hexatriacontane (C36)	yogesh	11/1/2024 8:16:47 AM	Ankita	11/4/2024 9:49:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050935.D	n-Tetracosane (C24)	yogesh	11/1/2024 8:16:47 AM	Ankita	11/4/2024 9:49:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050935.D	ortho-Terphenyl (SURR)	yogesh	11/1/2024 8:16:47 AM	Ankita	11/4/2024 9:49:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050940.D	n-Hexacosane (C26)	yogesh	11/1/2024 8:16:48 AM	Ankita	11/4/2024 9:49:52	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050940.D	n-Hexatriacontane (C36)	yogesh	11/1/2024 8:16:48 AM	Ankita	11/4/2024 9:49:52	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050940.D	ortho-Terphenyl (SURR)	yogesh	11/1/2024 8:16:48 AM	Ankita	11/4/2024 9:49:52	Peak Integrated by Software
P4614-02DL	FE050941.D	1-chlorooctadecane (SURR)	yogesh	11/1/2024 8:16:50 AM	Ankita	11/4/2024 9:49:54	Peak Integrated by Software
P4599-03DL	FE050946.D	1-chlorooctadecane (SURR)	Yogesh	11/4/2024 9:42:22 AM	Ankita	11/4/2024 9:49:55	Peak Integrated by Software
P4599-04DL	FE050948.D	1-chlorooctadecane (SURR)	Yogesh	11/4/2024 9:42:24 AM	Ankita	11/4/2024 9:49:56	Peak Integrated by Software
P4599-05DL	FE050950.D	1-chlorooctadecane (SURR)	Yogesh	11/4/2024 9:42:25 AM	Ankita	11/4/2024 9:49:58	Peak Integrated by Software
P4599-06DL	FE050952.D	1-chlorooctadecane (SURR)	Yogesh	11/4/2024 9:42:26 AM	Ankita	11/4/2024 9:49:59	Peak Integrated by Software
P4599-08DL	FE050953.D	1-chlorooctadecane (SURR)	Yogesh	11/4/2024 9:42:27 AM	Ankita	11/4/2024 9:50:00	Peak Integrated by Software

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Sequence:	FE103124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4599-09DL	FE050955.D	1-chlorooctadecane (SURR)	Yogesh	11/4/2024 9:42:30 AM	Ankita	11/4/2024 9:50:02	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050958.D	n-Docosane (C22)	Yogesh	11/4/2024 9:42:32 AM	Ankita	11/4/2024 9:50:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050958.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:42:32 AM	Ankita	11/4/2024 9:50:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050958.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:42:32 AM	Ankita	11/4/2024 9:50:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050958.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:42:32 AM	Ankita	11/4/2024 9:50:03	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE110124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE050961.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:44:17 AM	Ankita	11/4/2024 10:05:19	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050961.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:44:17 AM	Ankita	11/4/2024 10:05:19	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050964.D	n-Docosane (C22)	Yogesh	11/4/2024 9:44:19 AM	Ankita	11/4/2024 10:05:21	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050964.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:19 AM	Ankita	11/4/2024 10:05:21	Peak Integrated by Software
PB164589BL	FE050965.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:22 AM	Ankita	11/4/2024 10:05:23	Peak Integrated by Software
PB164589BS	FE050966.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:44:24 AM	Ankita	11/4/2024 10:05:26	Peak Integrated by Software
PB164589BS	FE050966.D	n-Octacosane (C28)	Yogesh	11/4/2024 9:44:24 AM	Ankita	11/4/2024 10:05:26	Peak Integrated by Software
PB164589BS	FE050966.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:44:24 AM	Ankita	11/4/2024 10:05:26	Peak Integrated by Software
PB164589BSD	FE050967.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:44:26 AM	Ankita	11/4/2024 10:05:28	Peak Integrated by Software
PB164589BSD	FE050967.D	n-Octacosane (C28)	Yogesh	11/4/2024 9:44:26 AM	Ankita	11/4/2024 10:05:28	Peak Integrated by Software
PB164589BSD	FE050967.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:44:26 AM	Ankita	11/4/2024 10:05:28	Peak Integrated by Software
PB164589BSD	FE050967.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:26 AM	Ankita	11/4/2024 10:05:28	Peak Integrated by Software
P4640-01	FE050968.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:28 AM	Ankita	11/4/2024 10:05:30	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE110124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4640-02	FE050969.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:29 AM	Ankita	11/4/2024 10:05:32	Peak Integrated by Software
P4643-01	FE050970.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:31 AM	Ankita	11/4/2024 10:05:33	Peak Integrated by Software
P4643-02	FE050971.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:33 AM	Ankita	11/4/2024 10:05:35	Peak Integrated by Software
P4643-05	FE050972.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:35 AM	Ankita	11/4/2024 10:05:37	Peak Integrated by Software
P4643-05D	FE050973.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:37 AM	Ankita	11/4/2024 10:05:39	Peak Integrated by Software
P4643-05MS	FE050974.D	n-Dotriacontane (C32)	Yogesh	11/4/2024 9:44:39 AM	Ankita	11/4/2024 10:05:41	Peak Integrated by Software
P4643-05MS	FE050974.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:44:39 AM	Ankita	11/4/2024 10:05:41	Peak Integrated by Software
P4643-05MS	FE050974.D	n-Octacosane (C28)	Yogesh	11/4/2024 9:44:39 AM	Ankita	11/4/2024 10:05:41	Peak Integrated by Software
P4643-05MS	FE050974.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:44:39 AM	Ankita	11/4/2024 10:05:41	Peak Integrated by Software
P4643-05MS	FE050974.D	n-Tetratriacontane (C34)	Yogesh	11/4/2024 9:44:39 AM	Ankita	11/4/2024 10:05:41	Peak Integrated by Software
P4643-05MS	FE050974.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:39 AM	Ankita	11/4/2024 10:05:41	Peak Integrated by Software
P4643-05MSD	FE050975.D	n-Dotriacontane (C32)	Yogesh	11/4/2024 9:44:41 AM	Ankita	11/4/2024 10:05:43	Peak Integrated by Software
P4643-05MSD	FE050975.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:44:41 AM	Ankita	11/4/2024 10:05:43	Peak Integrated by Software

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Sequence:	FE110124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4643-05MSD	FE050975.D	n-Octacosane (C28)	Yogesh	11/4/2024 9:44:41 AM	Ankita	11/4/2024 10:05:43	Peak Integrated by Software
P4643-05MSD	FE050975.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:44:41 AM	Ankita	11/4/2024 10:05:43	Peak Integrated by Software
P4643-05MSD	FE050975.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:41 AM	Ankita	11/4/2024 10:05:43	Peak Integrated by Software
P4643-06	FE050976.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:42 AM	Ankita	11/4/2024 10:05:44	Peak Integrated by Software
P4643-09	FE050977.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:44 AM	Ankita	11/4/2024 10:05:45	Peak Integrated by Software
P4643-10	FE050978.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:45 AM	Ankita	11/4/2024 10:05:47	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050980.D	A~2-methylnaphthalene (C12.89)	Yogesh	11/4/2024 9:44:47 AM	Ankita	11/4/2024 10:05:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050980.D	n-Docosane (C22)	Yogesh	11/4/2024 9:44:47 AM	Ankita	11/4/2024 10:05:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050980.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:44:47 AM	Ankita	11/4/2024 10:05:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050980.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:44:47 AM	Ankita	11/4/2024 10:05:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050980.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:47 AM	Ankita	11/4/2024 10:05:48	Peak Integrated by Software
P4645-01	FE050981.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:49 AM	Ankita	11/4/2024 10:05:50	Peak Integrated by Software
P4645-02	FE050982.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:50 AM	Ankita	11/4/2024 10:05:52	Peak Integrated by Software

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Sequence:	FE110124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4659-01	FE050983.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:52 AM	Ankita	11/4/2024 10:05:54	Peak Integrated by Software
P4659-02	FE050984.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:54 AM	Ankita	11/4/2024 10:06:27	Peak Integrated by Software
P4663-02	FE050985.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:55 AM	Ankita	11/4/2024 10:05:56	Peak Integrated by Software
P4663-04	FE050986.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:57 AM	Ankita	11/4/2024 10:05:58	Peak Integrated by Software
P4663-06	FE050987.D	1-chlorooctadecane (SURR)	Yogesh	11/4/2024 9:44:58 AM	Ankita	11/4/2024 10:05:59	Peak Integrated by Software
P4663-06	FE050987.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:44:58 AM	Ankita	11/4/2024 10:05:59	Peak Integrated by Software
P4663-08	FE050988.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:45:00 AM	Ankita	11/4/2024 10:06:02	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050990.D	n-Docosane (C22)	Yogesh	11/4/2024 9:45:01 AM	Ankita	11/4/2024 10:06:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050990.D	n-Hexacosane (C26)	Yogesh	11/4/2024 9:45:01 AM	Ankita	11/4/2024 10:06:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050990.D	n-Hexatriacontane (C36)	Yogesh	11/4/2024 9:45:01 AM	Ankita	11/4/2024 10:06:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050990.D	n-Tetracosane (C24)	Yogesh	11/4/2024 9:45:01 AM	Ankita	11/4/2024 10:06:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050990.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:45:01 AM	Ankita	11/4/2024 10:06:03	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE110124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FG102124AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FG014461.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/22/2024 8:17:04 AM	Ankita	10/22/2024 8:59:15	Peak Integrated by Software
100 PPM AROMATIC HC	FG014461.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/22/2024 8:17:04 AM	Ankita	10/22/2024 8:59:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG103024AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FG014576.D	Benzo[a]anthracene (C26.37)	yogesh	10/31/2024 12:14:47 PM	Ankita	11/4/2024 9:22:51	Peak Integrated by Software
20 PPM AROMATIC HC	FG014576.D	benzo[b]fluoranthene (C30.41)	yogesh	10/31/2024 12:14:47 PM	Ankita	11/4/2024 9:22:51	Peak Integrated by Software
20 PPM AROMATIC HC	FG014576.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/31/2024 12:14:47 PM	Ankita	11/4/2024 9:22:51	Peak Integrated by Software
P4599-01	FG014577.D	2-Bromonaphthalene (SURR)	yogesh	10/31/2024 12:14:49 PM	Ankita	11/4/2024 9:22:52	Peak Integrated by Software
P4599-01	FG014577.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:14:49 PM	Ankita	11/4/2024 9:22:52	Peak Integrated by Software
P4599-02	FG014578.D	2-Bromonaphthalene (SURR)	yogesh	10/31/2024 12:14:50 PM	Ankita	11/4/2024 9:22:53	Peak Integrated by Software
P4599-02	FG014578.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:14:50 PM	Ankita	11/4/2024 9:22:53	Peak Integrated by Software
P4599-03	FG014579.D	2-Bromonaphthalene (SURR)	yogesh	10/31/2024 12:14:52 PM	Ankita	11/4/2024 9:22:55	Peak Integrated by Software
P4599-03	FG014579.D	2-Flurobiphenyl (SURR)	yogesh	10/31/2024 12:14:52 PM	Ankita	11/4/2024 9:22:55	Peak Integrated by Software
P4599-03	FG014579.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:14:52 PM	Ankita	11/4/2024 9:22:55	Peak Integrated by Software
P4599-04	FG014580.D	2-Bromonaphthalene (SURR)	yogesh	10/31/2024 12:14:54 PM	Ankita	11/4/2024 9:22:56	Peak Integrated by Software
P4599-04	FG014580.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:14:54 PM	Ankita	11/4/2024 9:22:56	Peak Integrated by Software
P4599-05	FG014581.D	2-Bromonaphthalene (SURR)	yogesh	10/31/2024 12:14:55 PM	Ankita	11/4/2024 9:22:58	Peak Integrated by Software

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Sequence:	FG103024AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4599-05	FG014581.D	2-Flurobiphenyl (SURR)	yogesh	10/31/2024 12:14:55 PM	Ankita	11/4/2024 9:22:58	Peak Integrated by Software
P4599-05	FG014581.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:14:55 PM	Ankita	11/4/2024 9:22:58	Peak Integrated by Software
P4599-06	FG014582.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:14:57 PM	Ankita	11/4/2024 9:22:59	Peak Integrated by Software
P4599-08	FG014584.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:14:59 PM	Ankita	11/4/2024 9:23:00	Peak Integrated by Software
P4599-09	FG014585.D	ortho-Terphenyl (SURR)	yogesh	10/31/2024 12:15:00 PM	Ankita	11/4/2024 9:23:02	Peak Integrated by Software
20 PPM AROMATIC HC	FG014587.D	Benzo[a]anthracene (C26.37)	yogesh	10/31/2024 12:15:02 PM	Ankita	11/4/2024 9:23:03	Peak Integrated by Software
20 PPM AROMATIC HC	FG014587.D	benzo[b]fluoranthene (C30.41)	yogesh	10/31/2024 12:15:02 PM	Ankita	11/4/2024 9:23:03	Peak Integrated by Software
20 PPM AROMATIC HC	FG014587.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/31/2024 12:15:02 PM	Ankita	11/4/2024 9:23:03	Peak Integrated by Software
PB164532BSD	FG014590.D	benzo[b]fluoranthene (C30.41)	yogesh	10/31/2024 12:15:04 PM	Ankita	11/4/2024 9:23:05	Peak Integrated by Software
20 PPM AROMATIC HC	FG014594.D	Benzo[a]anthracene (C26.37)	yogesh	10/31/2024 12:15:05 PM	Ankita	11/4/2024 9:23:06	Peak Integrated by Software
20 PPM AROMATIC HC	FG014594.D	benzo[b]fluoranthene (C30.41)	yogesh	10/31/2024 12:15:05 PM	Ankita	11/4/2024 9:23:06	Peak Integrated by Software
20 PPM AROMATIC HC	FG014594.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/31/2024 12:15:05 PM	Ankita	11/4/2024 9:23:06	Peak Integrated by Software

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Sequence:	FG103024AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Sequence:	FG103124AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FG014597.D	Benzo[a]anthracene (C26.37)	Yogesh	11/4/2024 9:41:06 AM	Ankita	11/4/2024 2:10:00	Peak Integrated by Software
20 PPM AROMATIC HC	FG014597.D	benzo[b]fluoranthene (C30.41)	Yogesh	11/4/2024 9:41:06 AM	Ankita	11/4/2024 2:10:00	Peak Integrated by Software
20 PPM AROMATIC HC	FG014597.D	Indeno[1,2,3-cd]pyrene (C35.01)	Yogesh	11/4/2024 9:41:06 AM	Ankita	11/4/2024 2:10:00	Peak Integrated by Software
P4599-01DL	FG014598.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:08 AM	Ankita	11/4/2024 2:10:01	Peak Integrated by Software
P4599-01DL	FG014598.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:08 AM	Ankita	11/4/2024 2:10:01	Peak Integrated by Software
P4599-01DL2	FG014599.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:33 AM	Ankita	11/4/2024 2:10:03	Peak Integrated by Software
P4599-01DL2	FG014599.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:33 AM	Ankita	11/4/2024 2:10:03	Peak Integrated by Software
P4599-02DL	FG014600.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:34 AM	Ankita	11/4/2024 2:10:05	Peak Integrated by Software
P4599-02DL	FG014600.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:34 AM	Ankita	11/4/2024 2:10:05	Peak Integrated by Software
P4599-02DL2	FG014601.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:36 AM	Ankita	11/4/2024 2:10:09	Peak Integrated by Software
P4599-02DL2	FG014601.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:36 AM	Ankita	11/4/2024 2:10:09	Peak Integrated by Software
P4599-03DL	FG014602.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:37 AM	Ankita	11/4/2024 2:10:10	Peak Integrated by Software
P4599-03DL	FG014602.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:37 AM	Ankita	11/4/2024 2:10:10	Peak Integrated by Software

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Sequence:	FG103124AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4599-03DL	FG014602.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:37 AM	Ankita	11/4/2024 2:10:10	Peak Integrated by Software
P4599-03DL2	FG014603.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:39 AM	Ankita	11/4/2024 2:10:11	Peak Integrated by Software
P4599-03DL2	FG014603.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:39 AM	Ankita	11/4/2024 2:10:11	Peak Integrated by Software
P4599-03DL2	FG014603.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:39 AM	Ankita	11/4/2024 2:10:11	Peak Integrated by Software
P4599-04DL	FG014604.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:40 AM	Ankita	11/4/2024 2:10:11	Peak Integrated by Software
P4599-04DL	FG014604.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:40 AM	Ankita	11/4/2024 2:10:11	Peak Integrated by Software
P4599-04DL2	FG014605.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:42 AM	Ankita	11/4/2024 2:10:12	Peak Integrated by Software
P4599-04DL2	FG014605.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:42 AM	Ankita	11/4/2024 2:10:12	Peak Integrated by Software
P4599-04DL2	FG014605.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:42 AM	Ankita	11/4/2024 2:10:12	Peak Integrated by Software
P4599-05DL	FG014606.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:43 AM	Ankita	11/4/2024 2:10:14	Peak Integrated by Software
P4599-05DL	FG014606.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:43 AM	Ankita	11/4/2024 2:10:14	Peak Integrated by Software
P4599-05DL	FG014606.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:43 AM	Ankita	11/4/2024 2:10:14	Peak Integrated by Software
20 PPM AROMATIC HC	FG014608.D	Benzo[a]anthracene (C26.37)	Yogesh	11/4/2024 9:41:45 AM	Ankita	11/4/2024 2:10:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG103124AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FG014608.D	benzo[b]fluoranthene (C30.41)	Yogesh	11/4/2024 9:41:45 AM	Ankita	11/4/2024 2:10:15	Peak Integrated by Software
20 PPM AROMATIC HC	FG014608.D	Indeno[1,2,3-cd]pyrene (C35.01)	Yogesh	11/4/2024 9:41:45 AM	Ankita	11/4/2024 2:10:15	Peak Integrated by Software
P4599-05DL2	FG014609.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:46 AM	Ankita	11/4/2024 2:10:17	Peak Integrated by Software
P4599-05DL2	FG014609.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:46 AM	Ankita	11/4/2024 2:10:17	Peak Integrated by Software
P4599-05DL2	FG014609.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:46 AM	Ankita	11/4/2024 2:10:17	Peak Integrated by Software
P4599-06DL	FG014610.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:47 AM	Ankita	11/4/2024 2:10:19	Peak Integrated by Software
P4599-06DL	FG014610.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:47 AM	Ankita	11/4/2024 2:10:19	Peak Integrated by Software
P4599-08DL	FG014611.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:49 AM	Ankita	11/4/2024 2:10:20	Peak Integrated by Software
P4599-08DL	FG014611.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:49 AM	Ankita	11/4/2024 2:10:20	Peak Integrated by Software
P4599-08DL	FG014611.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:49 AM	Ankita	11/4/2024 2:10:20	Peak Integrated by Software
P4599-09DL	FG014612.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:50 AM	Ankita	11/4/2024 2:10:23	Peak Integrated by Software
P4599-09DL	FG014612.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:50 AM	Ankita	11/4/2024 2:10:23	Peak Integrated by Software
P4599-09DL	FG014612.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:50 AM	Ankita	11/4/2024 2:10:23	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG103124AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4599-09DL2	FG014613.D	2-Bromonaphthalene (SURR)	Yogesh	11/4/2024 9:41:52 AM	Ankita	11/4/2024 2:10:25	Peak Integrated by Software
P4599-09DL2	FG014613.D	2-Flurobiphenyl (SURR)	Yogesh	11/4/2024 9:41:52 AM	Ankita	11/4/2024 2:10:25	Peak Integrated by Software
P4599-09DL2	FG014613.D	ortho-Terphenyl (SURR)	Yogesh	11/4/2024 9:41:52 AM	Ankita	11/4/2024 2:10:25	Peak Integrated by Software
20 PPM AROMATIC HC	FG014615.D	Benzo[a]anthracene (C26.37)	Yogesh	11/4/2024 9:41:54 AM	Ankita	11/4/2024 2:10:27	Peak Integrated by Software
20 PPM AROMATIC HC	FG014615.D	benzo[b]fluoranthene (C30.41)	Yogesh	11/4/2024 9:41:54 AM	Ankita	11/4/2024 2:10:27	Peak Integrated by Software
20 PPM AROMATIC HC	FG014615.D	Indeno[1,2,3-cd]pyrene (C35.01)	Yogesh	11/4/2024 9:41:54 AM	Ankita	11/4/2024 2:10:27	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102324AL

Review By	yogesh	Review On	10/23/2024 4:03:24 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:51 AM		
SubDirectory	FC102324AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067504.D	23 Oct 2024 13:59	YP/AJ	Ok
2	I.BLK	FC067505.D	23 Oct 2024 14:35	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067506.D	23 Oct 2024 15:12	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067507.D	23 Oct 2024 15:48	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067508.D	23 Oct 2024 16:25	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067509.D	23 Oct 2024 17:02	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067510.D	23 Oct 2024 17:38	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067511.D	23 Oct 2024 18:14	YP/AJ	Ok
9	I.BLK	FC067512.D	23 Oct 2024 19:27	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067513.D	23 Oct 2024 20:03	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC103024AL

Review By	yogesh	Review On	10/30/2024 11:27:45 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:48:01 AM		
SubDirectory	FC103024AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067562.D	30 Oct 2024 10:47	YP/AJ	Ok
2	I.BLK	FC067563.D	30 Oct 2024 11:59	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067564.D	30 Oct 2024 14:26	YP/AJ	Ok
4	PB164528BL	FC067565.D	30 Oct 2024 15:36	YP/AJ	Ok
5	PB164528BS	FC067566.D	30 Oct 2024 16:13	YP/AJ	Ok,M
6	PB164528BSD	FC067567.D	30 Oct 2024 16:50	YP/AJ	Ok,M
7	PB164525BL	FC067568.D	30 Oct 2024 17:27	YP/AJ	Ok
8	PB164525BS	FC067569.D	30 Oct 2024 18:04	YP/AJ	Ok
9	PB164525BSD	FC067570.D	30 Oct 2024 18:41	YP/AJ	Ok
10	P4578-05	FC067571.D	30 Oct 2024 19:18	YP/AJ	Ok
11	P4578-05D	FC067572.D	30 Oct 2024 19:54	YP/AJ	Ok
12	P4578-05MS	FC067573.D	30 Oct 2024 20:30	YP/AJ	Ok
13	P4578-05MSD	FC067574.D	30 Oct 2024 21:06	YP/AJ	Ok
14	I.BLK	FC067575.D	30 Oct 2024 22:20	YP/AJ	Ok
15	20 PPM ALIPHATIC HC STD	FC067576.D	30 Oct 2024 22:56	YP/AJ	Ok
16	P4578-03	FC067577.D	31 Oct 2024 00:08	YP/AJ	Ok
17	P4578-04	FC067578.D	31 Oct 2024 00:45	YP/AJ	Ok
18	P4578-07	FC067579.D	31 Oct 2024 01:21	YP/AJ	Ok
19	P4598-01	FC067580.D	31 Oct 2024 01:57	YP/AJ	Ok
20	P4598-01D	FC067581.D	31 Oct 2024 02:33	YP/AJ	Ok
21	P4598-01MS	FC067582.D	31 Oct 2024 03:09	YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC103024AL

Review By	yogesh	Review On	10/30/2024 11:27:45 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:48:01 AM		
SubDirectory	FC103024AL	HP Acquire Method		HP Processing Method	FC102324AL

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	P4598-01MSD	FC067583.D	31 Oct 2024 03:45	YP/AJ	Ok,M
23	P4598-02	FC067584.D	31 Oct 2024 04:21	YP/AJ	Ok
24	P4598-05	FC067585.D	31 Oct 2024 04:58	YP/AJ	Ok
25	P4598-06	FC067586.D	31 Oct 2024 05:34	YP/AJ	Ok
26	I.BLK	FC067587.D	31 Oct 2024 06:46	YP/AJ	Ok
27	20 PPM ALIPHATIC HC STD	FC067588.D	31 Oct 2024 07:23	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102324AR

Review By	yogesh	Review On	10/23/2024 4:04:27 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:45 AM		
SubDirectory	FD102324AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048566.D	23 Oct 2024 13:59	YP/AJ	Ok
2	I.BLK	FD048567.D	23 Oct 2024 14:35	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048568.D	23 Oct 2024 15:12	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048569.D	23 Oct 2024 15:48	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048570.D	23 Oct 2024 16:25	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048571.D	23 Oct 2024 17:02	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048572.D	23 Oct 2024 17:38	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD048573.D	23 Oct 2024 18:14	YP/AJ	Ok
9	I.BLK	FD048574.D	23 Oct 2024 19:27	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048575.D	23 Oct 2024 20:03	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD103024AR

Review By	yogesh	Review On	10/30/2024 11:28:50 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:48:34 AM		
SubDirectory	FD103024AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048620.D	30 Oct 2024 10:47	YP/AJ	Ok
2	I.BLK	FD048621.D	30 Oct 2024 11:59	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048622.D	30 Oct 2024 14:26	YP/AJ	Ok
4	PB164525BL	FD048623.D	30 Oct 2024 17:27	YP/AJ	Ok
5	PB164525BS	FD048624.D	30 Oct 2024 18:04	YP/AJ	Ok,M
6	PB164525BSD	FD048625.D	30 Oct 2024 18:41	YP/AJ	Ok,M
7	P4578-03	FD048626.D	30 Oct 2024 19:18	YP/AJ	Ok,M
8	P4578-04	FD048627.D	30 Oct 2024 19:54	YP/AJ	Ok
9	P4578-05	FD048628.D	30 Oct 2024 20:30	YP/AJ	Ok
10	P4578-05D	FD048629.D	30 Oct 2024 21:06	YP/AJ	Ok
11	P4578-05MS	FD048630.D	30 Oct 2024 21:43	YP/AJ	Ok,M
12	P4578-05MSD	FD048631.D	30 Oct 2024 22:20	YP/AJ	Ok,M
13	P4578-07	FD048632.D	30 Oct 2024 22:56	YP/AJ	Ok,M
14	I.BLK	FD048633.D	31 Oct 2024 00:08	YP/AJ	Ok
15	20 PPM AROMATIC HC STD	FD048634.D	31 Oct 2024 00:45	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE100824AL

Review By	yogesh	Review On	10/7/2024 4:16:27 PM		
Supervise By	Ankita	Supervise On	10/8/2024 9:52:58 AM		
SubDirectory	FE100824AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050533.D	07 Oct 2024 13:05	YP\AJ	Ok
2	I.BLK	FE050534.D	07 Oct 2024 13:36	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE050535.D	07 Oct 2024 14:06	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE050536.D	07 Oct 2024 14:36	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE050537.D	07 Oct 2024 15:06	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE050538.D	07 Oct 2024 15:37	YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC STD5	FE050539.D	07 Oct 2024 16:07	YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FE050540.D	07 Oct 2024 16:37	YP\AJ	Ok
9	I.BLK	FE050541.D	07 Oct 2024 18:08	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE050542.D	07 Oct 2024 18:39	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103024AL

Review By	yogesh	Review On	10/30/2024 11:26:38 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:22:11 AM		
SubDirectory	FE103024AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050897.D	30 Oct 2024 09:00	YP\AJ	Ok
2	I.BLK	FE050898.D	30 Oct 2024 11:44	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE050899.D	30 Oct 2024 12:14	YP\AJ	Ok,M
4	P4619-01	FE050900.D	30 Oct 2024 14:58	YP\AJ	Ok
5	P4619-02	FE050901.D	30 Oct 2024 15:28	YP\AJ	Ok
6	P4598-09	FE050902.D	30 Oct 2024 15:58	YP\AJ	Ok,M
7	P4598-10	FE050903.D	30 Oct 2024 16:28	YP\AJ	Dilution
8	P4613-01	FE050904.D	30 Oct 2024 16:59	YP\AJ	Dilution
9	P4614-01	FE050905.D	30 Oct 2024 18:26	YP\AJ	Ok
10	P4614-02	FE050906.D	30 Oct 2024 18:56	YP\AJ	Dilution
11	P4617-01	FE050907.D	30 Oct 2024 19:27	YP\AJ	Ok
12	P4617-02	FE050908.D	30 Oct 2024 19:57	YP\AJ	Ok
13	P4618-01	FE050909.D	30 Oct 2024 20:27	YP\AJ	Ok
14	P4618-02	FE050910.D	30 Oct 2024 20:57	YP\AJ	Ok
15	P4618-03	FE050911.D	30 Oct 2024 21:27	YP\AJ	Ok
16	P4618-04	FE050912.D	30 Oct 2024 21:57	YP\AJ	Ok
17	P4612-03	FE050913.D	30 Oct 2024 22:27	YP\AJ	Dilution
18	P4612-05	FE050914.D	30 Oct 2024 22:57	YP\AJ	Ok,M
19	I.BLK	FE050915.D	30 Oct 2024 23:58	YP\AJ	Ok
20	20 PPM ALIPHATIC HC STD	FE050916.D	31 Oct 2024 00:28	YP\AJ	Ok
21	PB164532BL	FE050917.D	31 Oct 2024 01:29	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103024AL

Review By	yogesh	Review On	10/30/2024 11:26:38 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:22:11 AM		
SubDirectory	FE103024AL	HP Acquire Method		HP Processing Method	FE100824AL

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	PB164532BS	FE050918.D	31 Oct 2024 01:59	YP\AJ	Ok
23	PB164532BSD	FE050919.D	31 Oct 2024 02:29	YP\AJ	Ok
24	P4578-01	FE050920.D	31 Oct 2024 02:59	YP\AJ	Ok
25	P4578-02	FE050921.D	31 Oct 2024 03:29	YP\AJ	Ok
26	P4599-01	FE050922.D	31 Oct 2024 04:00	YP\AJ	Dilution
27	P4599-02	FE050923.D	31 Oct 2024 04:30	YP\AJ	Dilution
28	P4599-03	FE050924.D	31 Oct 2024 05:00	YP\AJ	Dilution
29	P4599-04	FE050925.D	31 Oct 2024 05:30	YP\AJ	Dilution
30	P4599-05	FE050926.D	31 Oct 2024 05:59	YP\AJ	Dilution
31	P4599-06	FE050927.D	31 Oct 2024 06:29	YP\AJ	Dilution
32	P4599-07	FE050928.D	31 Oct 2024 07:00	YP\AJ	Ok
33	P4599-08	FE050929.D	31 Oct 2024 07:30	YP\AJ	Dilution
34	P4599-09	FE050930.D	31 Oct 2024 08:00	YP\AJ	Dilution
35	I.BLK	FE050931.D	31 Oct 2024 08:30	YP\AJ	Ok
36	20 PPM ALIPHATIC HC STD	FE050932.D	31 Oct 2024 09:00	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103124AL

Review By	yogesh	Review On	10/31/2024 11:46:17 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:50:15 AM		
SubDirectory	FE103124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050933.D	31 Oct 2024 09:30	YP\AJ	Ok
2	I.BLK	FE050934.D	31 Oct 2024 10:01	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE050935.D	31 Oct 2024 10:31	YP\AJ	Ok,M
4	P4598-10DL	FE050936.D	31 Oct 2024 11:01	YP\AJ	Ok
5	P4613-01DL	FE050937.D	31 Oct 2024 12:01	YP\AJ	Dilution
6	P4613-01DL2	FE050938.D	31 Oct 2024 12:31	YP\AJ	Ok
7	I.BLK	FE050939.D	31 Oct 2024 13:02	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD	FE050940.D	31 Oct 2024 13:32	YP\AJ	Ok,M
9	P4614-02DL	FE050941.D	31 Oct 2024 14:02	YP\AJ	Ok,M
10	P4612-03DL	FE050942.D	31 Oct 2024 14:32	YP\AJ	Dilution
11	P4612-03DL2	FE050943.D	31 Oct 2024 15:02	YP\AJ	Ok
12	P4599-01DL	FE050944.D	31 Oct 2024 15:33	YP\AJ	Ok
13	P4599-02DL	FE050945.D	31 Oct 2024 16:03	YP\AJ	Ok
14	P4599-03DL	FE050946.D	31 Oct 2024 16:33	YP\AJ	Dilution
15	P4599-03DL2	FE050947.D	31 Oct 2024 17:03	YP\AJ	Ok
16	P4599-04DL	FE050948.D	31 Oct 2024 17:34	YP\AJ	Dilution
17	P4599-04DL2	FE050949.D	31 Oct 2024 18:04	YP\AJ	Ok
18	P4599-05DL	FE050950.D	31 Oct 2024 18:34	YP\AJ	Dilution
19	P4599-05DL2	FE050951.D	31 Oct 2024 19:05	YP\AJ	Not Ok
20	P4599-06DL	FE050952.D	31 Oct 2024 19:35	YP\AJ	Ok,M
21	P4599-08DL	FE050953.D	31 Oct 2024 20:05	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103124AL

Review By	yogesh	Review On	10/31/2024 11:46:17 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:50:15 AM		
SubDirectory	FE103124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	P4599-08DL2	FE050954.D	31 Oct 2024 20:35	YP\AJ	Ok
23	P4599-09DL	FE050955.D	31 Oct 2024 21:06	YP\AJ	Dilution
24	P4599-09DL2	FE050956.D	31 Oct 2024 21:36	YP\AJ	Ok
25	I.BLK	FE050957.D	31 Oct 2024 22:36	YP\AJ	Ok
26	20 PPM ALIPHATIC HC STD	FE050958.D	31 Oct 2024 23:06	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110124AL

Review By	yogesh	Review On	11/1/2024 11:29:15 AM		
Supervise By	Ankita	Supervise On	11/4/2024 10:06:31 AM		
SubDirectory	FE110124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050959.D	01 Nov 2024 09:53	YP\AJ	Ok
2	I.BLK	FE050960.D	01 Nov 2024 10:23	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE050961.D	01 Nov 2024 10:53	YP\AJ	Ok,M
4	P4599-05DL2	FE050962.D	01 Nov 2024 11:24	YP\AJ	Ok
5	I.BLK	FE050963.D	01 Nov 2024 11:54	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE050964.D	01 Nov 2024 12:24	YP\AJ	Ok,M
7	PB164589BL	FE050965.D	01 Nov 2024 15:33	YP\AJ	Ok,M
8	PB164589BS	FE050966.D	01 Nov 2024 16:03	YP\AJ	Ok,M
9	PB164589BSD	FE050967.D	01 Nov 2024 16:33	YP\AJ	Ok,M
10	P4640-01	FE050968.D	01 Nov 2024 17:03	YP\AJ	Ok,M
11	P4640-02	FE050969.D	01 Nov 2024 17:33	YP\AJ	Dilution
12	P4643-01	FE050970.D	01 Nov 2024 18:04	YP\AJ	Ok,M
13	P4643-02	FE050971.D	01 Nov 2024 18:34	YP\AJ	Ok,M
14	P4643-05	FE050972.D	01 Nov 2024 19:04	YP\AJ	Ok,M
15	P4643-05D	FE050973.D	01 Nov 2024 19:34	YP\AJ	Ok,M
16	P4643-05MS	FE050974.D	01 Nov 2024 20:04	YP\AJ	Ok,M
17	P4643-05MSD	FE050975.D	01 Nov 2024 20:34	YP\AJ	Ok,M
18	P4643-06	FE050976.D	01 Nov 2024 21:04	YP\AJ	Ok,M
19	P4643-09	FE050977.D	01 Nov 2024 21:35	YP\AJ	Ok,M
20	P4643-10	FE050978.D	01 Nov 2024 22:05	YP\AJ	Ok,M
21	I.BLK	FE050979.D	01 Nov 2024 23:05	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110124AL

Review By	yogesh	Review On	11/1/2024 11:29:15 AM		
Supervise By	Ankita	Supervise On	11/4/2024 10:06:31 AM		
SubDirectory	FE110124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	20 PPM ALIPHATIC HC STD	FE050980.D	01 Nov 2024 23:36	YP\AJ	Ok,M
23	P4645-01	FE050981.D	02 Nov 2024 00:36	YP\AJ	Dilution
24	P4645-02	FE050982.D	02 Nov 2024 01:07	YP\AJ	Dilution
25	P4659-01	FE050983.D	02 Nov 2024 01:37	YP\AJ	Ok,M
26	P4659-02	FE050984.D	02 Nov 2024 02:07	YP\AJ	Ok,M
27	P4663-02	FE050985.D	02 Nov 2024 02:37	YP\AJ	Ok,M
28	P4663-04	FE050986.D	02 Nov 2024 03:07	YP\AJ	Ok,M
29	P4663-06	FE050987.D	02 Nov 2024 03:37	YP\AJ	Dilution
30	P4663-08	FE050988.D	02 Nov 2024 04:08	YP\AJ	Ok,M
31	I.BLK	FE050989.D	02 Nov 2024 05:08	YP\AJ	Ok
32	20 PPM ALIPHATIC HC STD	FE050990.D	02 Nov 2024 05:38	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG102124AR

Review By	yogesh	Review On	10/21/2024 3:17:43 PM		
Supervise By	Ankita	Supervise On	10/22/2024 9:01:46 AM		
SubDirectory	FG102124AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG014459.D	21 Oct 2024 18:13	YP\AJ	Ok
2	I.BLK	FG014460.D	21 Oct 2024 18:42	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FG014461.D	21 Oct 2024 19:11	YP\AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FG014462.D	21 Oct 2024 19:40	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FG014463.D	21 Oct 2024 20:09	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FG014464.D	21 Oct 2024 20:38	YP\AJ	Ok
7	5 PPM AROMATIC HC STD5	FG014465.D	21 Oct 2024 21:06	YP\AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FG014466.D	21 Oct 2024 21:36	YP\AJ	Ok
9	I.BLK	FG014467.D	21 Oct 2024 22:33	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FG014468.D	21 Oct 2024 23:03	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG103024AR

Review By	yogesh	Review On	10/30/2024 1:57:25 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:23:19 AM		
SubDirectory	FG103024AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG014574.D	30 Oct 2024 09:58	YP\AJ	Ok
2	I.BLK	FG014575.D	30 Oct 2024 11:53	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG014576.D	30 Oct 2024 12:21	YP\AJ	Ok,M
4	P4599-01	FG014577.D	30 Oct 2024 17:09	YP\AJ	Dilution
5	P4599-02	FG014578.D	30 Oct 2024 17:37	YP\AJ	Dilution
6	P4599-03	FG014579.D	30 Oct 2024 18:06	YP\AJ	Dilution
7	P4599-04	FG014580.D	30 Oct 2024 18:34	YP\AJ	Dilution
8	P4599-05	FG014581.D	30 Oct 2024 19:02	YP\AJ	Dilution
9	P4599-06	FG014582.D	30 Oct 2024 19:31	YP\AJ	Dilution
10	P4599-07	FG014583.D	30 Oct 2024 19:59	YP\AJ	Ok
11	P4599-08	FG014584.D	30 Oct 2024 20:27	YP\AJ	Dilution
12	P4599-09	FG014585.D	30 Oct 2024 20:56	YP\AJ	Dilution
13	I.BLK	FG014586.D	30 Oct 2024 21:52	YP\AJ	Ok
14	20 PPM AROMATIC HC STD	FG014587.D	30 Oct 2024 22:21	YP\AJ	Ok,M
15	PB164532BL	FG014588.D	30 Oct 2024 23:17	YP\AJ	Ok
16	PB164532BS	FG014589.D	30 Oct 2024 23:46	YP\AJ	Ok
17	PB164532BSD	FG014590.D	31 Oct 2024 00:14	YP\AJ	Ok,M
18	P4578-01	FG014591.D	31 Oct 2024 00:42	YP\AJ	Ok
19	P4578-02	FG014592.D	31 Oct 2024 01:11	YP\AJ	Ok
20	I.BLK	FG014593.D	31 Oct 2024 01:39	YP\AJ	Ok
21	20 PPM AROMATIC HC STD	FG014594.D	31 Oct 2024 02:07	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG103124AR

Review By	yogesh	Review On	10/31/2024 11:45:16 AM		
Supervise By	Ankita	Supervise On	11/4/2024 2:10:42 PM		
SubDirectory	FG103124AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG014595.D	31 Oct 2024 05:53	YP\AJ	Ok
2	I.BLK	FG014596.D	31 Oct 2024 06:21	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG014597.D	31 Oct 2024 06:50	YP\AJ	Ok,M
4	P4599-01DL	FG014598.D	31 Oct 2024 08:24	YP\AJ	Dilution
5	P4599-01DL2	FG014599.D	31 Oct 2024 09:30	YP\AJ	Ok,M
6	P4599-02DL	FG014600.D	31 Oct 2024 09:58	YP\AJ	Dilution
7	P4599-02DL2	FG014601.D	31 Oct 2024 10:26	YP\AJ	Ok,M
8	P4599-03DL	FG014602.D	31 Oct 2024 10:55	YP\AJ	Dilution
9	P4599-03DL2	FG014603.D	31 Oct 2024 11:23	YP\AJ	Ok,M
10	P4599-04DL	FG014604.D	31 Oct 2024 11:51	YP\AJ	Dilution
11	P4599-04DL2	FG014605.D	31 Oct 2024 12:20	YP\AJ	Ok,M
12	P4599-05DL	FG014606.D	31 Oct 2024 12:48	YP\AJ	Dilution
13	I.BLK	FG014607.D	31 Oct 2024 13:16	YP\AJ	Ok
14	20 PPM AROMATIC HC STD	FG014608.D	31 Oct 2024 13:45	YP\AJ	Ok,M
15	P4599-05DL2	FG014609.D	31 Oct 2024 14:13	YP\AJ	Ok,M
16	P4599-06DL	FG014610.D	31 Oct 2024 14:41	YP\AJ	Ok,M
17	P4599-08DL	FG014611.D	31 Oct 2024 15:10	YP\AJ	Ok,M
18	P4599-09DL	FG014612.D	31 Oct 2024 15:38	YP\AJ	Dilution
19	P4599-09DL2	FG014613.D	31 Oct 2024 16:06	YP\AJ	Ok,M
20	I.BLK	FG014614.D	31 Oct 2024 17:03	YP\AJ	Ok
21	20 PPM AROMATIC HC STD	FG014615.D	31 Oct 2024 17:32	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102324AL

Review By	yogesh	Review On	10/23/2024 4:03:24 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:51 AM		
SubDirectory	FC102324AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067504.D	23 Oct 2024 13:59		YP/AJ	Ok
2	I.BLK	I.BLK	FC067505.D	23 Oct 2024 14:35		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067506.D	23 Oct 2024 15:12		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067507.D	23 Oct 2024 15:48		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067508.D	23 Oct 2024 16:25		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067509.D	23 Oct 2024 17:02		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067510.D	23 Oct 2024 17:38		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067511.D	23 Oct 2024 18:14		YP/AJ	Ok
9	I.BLK	I.BLK	FC067512.D	23 Oct 2024 19:27		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067513.D	23 Oct 2024 20:03		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC103024AL

Review By	yogesh	Review On	10/30/2024 11:27:45 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:48:01 AM		
SubDirectory	FC103024AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067562.D	30 Oct 2024 10:47		YP/AJ	Ok
2	I.BLK	I.BLK	FC067563.D	30 Oct 2024 11:59		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067564.D	30 Oct 2024 14:26		YP/AJ	Ok
4	PB164528BL	PB164528BL	FC067565.D	30 Oct 2024 15:36		YP/AJ	Ok
5	PB164528BS	PB164528BS	FC067566.D	30 Oct 2024 16:13		YP/AJ	Ok,M
6	PB164528BSD	PB164528BSD	FC067567.D	30 Oct 2024 16:50		YP/AJ	Ok,M
7	PB164525BL	PB164525BL	FC067568.D	30 Oct 2024 17:27		YP/AJ	Ok
8	PB164525BS	PB164525BS	FC067569.D	30 Oct 2024 18:04		YP/AJ	Ok
9	PB164525BSD	PB164525BSD	FC067570.D	30 Oct 2024 18:41		YP/AJ	Ok
10	P4578-05	WB-305-BOT	FC067571.D	30 Oct 2024 19:18		YP/AJ	Ok
11	P4578-05D	P4578-05D	FC067572.D	30 Oct 2024 19:54		YP/AJ	Ok
12	P4578-05MS	WB-305-BOTMS	FC067573.D	30 Oct 2024 20:30	FC067571.D	YP/AJ	Ok
13	P4578-05MSD	WB-305-BOTMSD	FC067574.D	30 Oct 2024 21:06	FC067571.D!FC067573.D	YP/AJ	Ok
14	I.BLK	I.BLK	FC067575.D	30 Oct 2024 22:20		YP/AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067576.D	30 Oct 2024 22:56		YP/AJ	Ok
16	P4578-03	WB-305-TOP	FC067577.D	31 Oct 2024 00:08		YP/AJ	Ok
17	P4578-04	WB-305-TOP-1	FC067578.D	31 Oct 2024 00:45		YP/AJ	Ok
18	P4578-07	WB-305-BOT-1	FC067579.D	31 Oct 2024 01:21		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC103024AL

Review By	yogesh	Review On	10/30/2024 11:27:45 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:48:01 AM		
SubDirectory	FC103024AL	HP Acquire Method		HP Processing Method	FC102324AL

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	P4598-01	BP-F12	FC067580.D	31 Oct 2024 01:57		YP/AJ	Ok
20	P4598-01D	P4598-01D	FC067581.D	31 Oct 2024 02:33		YP/AJ	Ok
21	P4598-01MS	BP-F12MS	FC067582.D	31 Oct 2024 03:09	FC067580.D	YP/AJ	Ok,M
22	P4598-01MSD	BP-F12MSD	FC067583.D	31 Oct 2024 03:45	FC067580.D!FC067582.D	YP/AJ	Ok,M
23	P4598-02	BP-F12-EPH	FC067584.D	31 Oct 2024 04:21		YP/AJ	Ok
24	P4598-05	BP-F11	FC067585.D	31 Oct 2024 04:58		YP/AJ	Ok
25	P4598-06	BP-F11-EPH	FC067586.D	31 Oct 2024 05:34		YP/AJ	Ok
26	I.BLK	I.BLK	FC067587.D	31 Oct 2024 06:46		YP/AJ	Ok
27	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067588.D	31 Oct 2024 07:23		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102324AR

Review By	yogesh	Review On	10/23/2024 4:04:27 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:45 AM		
SubDirectory	FD102324AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048566.D	23 Oct 2024 13:59		YP/AJ	Ok
2	I.BLK	I.BLK	FD048567.D	23 Oct 2024 14:35		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048568.D	23 Oct 2024 15:12		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048569.D	23 Oct 2024 15:48		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048570.D	23 Oct 2024 16:25		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048571.D	23 Oct 2024 17:02		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048572.D	23 Oct 2024 17:38		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048573.D	23 Oct 2024 18:14		YP/AJ	Ok
9	I.BLK	I.BLK	FD048574.D	23 Oct 2024 19:27		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048575.D	23 Oct 2024 20:03		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD103024AR

Review By	yogesh	Review On	10/30/2024 11:28:50 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:48:34 AM		
SubDirectory	FD103024AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048620.D	30 Oct 2024 10:47		YP/AJ	Ok
2	I.BLK	I.BLK	FD048621.D	30 Oct 2024 11:59		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048622.D	30 Oct 2024 14:26		YP/AJ	Ok
4	PB164525BL	PB164525BL	FD048623.D	30 Oct 2024 17:27		YP/AJ	Ok
5	PB164525BS	PB164525BS	FD048624.D	30 Oct 2024 18:04		YP/AJ	Ok,M
6	PB164525BSD	PB164525BSD	FD048625.D	30 Oct 2024 18:41		YP/AJ	Ok,M
7	P4578-03	WB-305-TOP	FD048626.D	30 Oct 2024 19:18		YP/AJ	Ok,M
8	P4578-04	WB-305-TOP-1	FD048627.D	30 Oct 2024 19:54		YP/AJ	Ok
9	P4578-05	WB-305-BOT	FD048628.D	30 Oct 2024 20:30		YP/AJ	Ok
10	P4578-05D	P4578-05D	FD048629.D	30 Oct 2024 21:06		YP/AJ	Ok
11	P4578-05MS	WB-305-BOTMS	FD048630.D	30 Oct 2024 21:43	FD048628.D	YP/AJ	Ok,M
12	P4578-05MSD	WB-305-BOTMSD	FD048631.D	30 Oct 2024 22:20	FD048628.D!FD048630.D	YP/AJ	Ok,M
13	P4578-07	WB-305-BOT-1	FD048632.D	30 Oct 2024 22:56		YP/AJ	Ok,M
14	I.BLK	I.BLK	FD048633.D	31 Oct 2024 00:08		YP/AJ	Ok
15	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048634.D	31 Oct 2024 00:45		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE100824AL

Review By	yogesh	Review On	10/7/2024 4:16:27 PM		
Supervise By	Ankita	Supervise On	10/8/2024 9:52:58 AM		
SubDirectory	FE100824AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050533.D	07 Oct 2024 13:05		YP\AJ	Ok
2	I.BLK	I.BLK	FE050534.D	07 Oct 2024 13:36		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE050535.D	07 Oct 2024 14:06		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE050536.D	07 Oct 2024 14:36		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050537.D	07 Oct 2024 15:06		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE050538.D	07 Oct 2024 15:37		YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE050539.D	07 Oct 2024 16:07		YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050540.D	07 Oct 2024 16:37		YP\AJ	Ok
9	I.BLK	I.BLK	FE050541.D	07 Oct 2024 18:08		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050542.D	07 Oct 2024 18:39		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103024AL

Review By	yogesh	Review On	10/30/2024 11:26:38 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:22:11 AM		
SubDirectory	FE103024AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050897.D	30 Oct 2024 09:00		YP\AJ	Ok
2	I.BLK	I.BLK	FE050898.D	30 Oct 2024 11:44		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050899.D	30 Oct 2024 12:14		YP\AJ	Ok,M
4	P4619-01	SU-03-102924	FE050900.D	30 Oct 2024 14:58		YP\AJ	Ok
5	P4619-02	SU-03-102924-E2	FE050901.D	30 Oct 2024 15:28		YP\AJ	Ok
6	P4598-09	TP-8	FE050902.D	30 Oct 2024 15:58		YP\AJ	Ok,M
7	P4598-10	TP-8-EPH	FE050903.D	30 Oct 2024 16:28	need 5x dilution	YP\AJ	Dilution
8	P4613-01	ARS20-0001	FE050904.D	30 Oct 2024 16:59	need 10x & 200x dilution	YP\AJ	Dilution
9	P4614-01	NB-07-102924	FE050905.D	30 Oct 2024 18:26		YP\AJ	Ok
10	P4614-02	NB-07-102924-E2	FE050906.D	30 Oct 2024 18:56	need 10x ilution	YP\AJ	Dilution
11	P4617-01	RO-SOIL	FE050907.D	30 Oct 2024 19:27		YP\AJ	Ok
12	P4617-02	RO-SOIL-E2	FE050908.D	30 Oct 2024 19:57		YP\AJ	Ok
13	P4618-01	HR-01-102924	FE050909.D	30 Oct 2024 20:27		YP\AJ	Ok
14	P4618-02	HR-01-102924-E2	FE050910.D	30 Oct 2024 20:57		YP\AJ	Ok
15	P4618-03	HR-04-102924	FE050911.D	30 Oct 2024 21:27		YP\AJ	Ok
16	P4618-04	HR-04-102924-E2	FE050912.D	30 Oct 2024 21:57		YP\AJ	Ok
17	P4612-03	MOO-24-00335	FE050913.D	30 Oct 2024 22:27	need 10x & 250x dilution	YP\AJ	Dilution
18	P4612-05	CONCRETE-PAD	FE050914.D	30 Oct 2024 22:57		YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103024AL

Review By	yogesh	Review On	10/30/2024 11:26:38 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:22:11 AM		
SubDirectory	FE103024AL	HP Acquire Method		HP Processing Method	FE100824AL

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	I.BLK	I.BLK	FE050915.D	30 Oct 2024 23:58		YP\AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050916.D	31 Oct 2024 00:28		YP\AJ	Ok
21	PB164532BL	PB164532BL	FE050917.D	31 Oct 2024 01:29		YP\AJ	Ok
22	PB164532BS	PB164532BS	FE050918.D	31 Oct 2024 01:59		YP\AJ	Ok
23	PB164532BSD	PB164532BSD	FE050919.D	31 Oct 2024 02:29		YP\AJ	Ok
24	P4578-01	WB-305-SW	FE050920.D	31 Oct 2024 02:59		YP\AJ	Ok
25	P4578-02	WB-305-SW-1	FE050921.D	31 Oct 2024 03:29		YP\AJ	Ok
26	P4599-01	EX-1-TPH-1	FE050922.D	31 Oct 2024 04:00	need 50x dilution	YP\AJ	Dilution
27	P4599-02	EX-1-TPH-2	FE050923.D	31 Oct 2024 04:30	need 50x dilution	YP\AJ	Dilution
28	P4599-03	EX-1-TPH-3	FE050924.D	31 Oct 2024 05:00	Need 10X and 100X dilution	YP\AJ	Dilution
29	P4599-04	EX-1-TPH-4	FE050925.D	31 Oct 2024 05:30	need 10x & 50x dilution	YP\AJ	Dilution
30	P4599-05	EX-1-TPH-5	FE050926.D	31 Oct 2024 05:59	need 10x & 100x dilution	YP\AJ	Dilution
31	P4599-06	EX-1-TPH-6	FE050927.D	31 Oct 2024 06:29	need 25x dilution	YP\AJ	Dilution
32	P4599-07	EX-1-TPH-7	FE050928.D	31 Oct 2024 07:00		YP\AJ	Ok
33	P4599-08	EX-1-TPH-8	FE050929.D	31 Oct 2024 07:30	need 10x & 50x dilution	YP\AJ	Dilution
34	P4599-09	EX-1-TPH-9	FE050930.D	31 Oct 2024 08:00	need 10x & 50x dilution	YP\AJ	Dilution
35	I.BLK	I.BLK	FE050931.D	31 Oct 2024 08:30		YP\AJ	Ok
36	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050932.D	31 Oct 2024 09:00		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103124AL

Review By	yogesh	Review On	10/31/2024 11:46:17 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:50:15 AM		
SubDirectory	FE103124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050933.D	31 Oct 2024 09:30		YP\AJ	Ok
2	I.BLK	I.BLK	FE050934.D	31 Oct 2024 10:01		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050935.D	31 Oct 2024 10:31		YP\AJ	Ok,M
4	P4598-10DL	TP-8-EPHDL	FE050936.D	31 Oct 2024 11:01		YP\AJ	Ok
5	P4613-01DL	ARS20-0001DL	FE050937.D	31 Oct 2024 12:01	need further dilution	YP\AJ	Dilution
6	P4613-01DL2	ARS20-0001DL2	FE050938.D	31 Oct 2024 12:31		YP\AJ	Ok
7	I.BLK	I.BLK	FE050939.D	31 Oct 2024 13:02		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050940.D	31 Oct 2024 13:32		YP\AJ	Ok,M
9	P4614-02DL	NB-07-102924-E2DL	FE050941.D	31 Oct 2024 14:02		YP\AJ	Ok,M
10	P4612-03DL	MOO-24-00335DL	FE050942.D	31 Oct 2024 14:32	need further dilution	YP\AJ	Dilution
11	P4612-03DL2	MOO-24-00335DL2	FE050943.D	31 Oct 2024 15:02		YP\AJ	Ok
12	P4599-01DL	EX-1-TPH-1DL	FE050944.D	31 Oct 2024 15:33		YP\AJ	Ok
13	P4599-02DL	EX-1-TPH-2DL	FE050945.D	31 Oct 2024 16:03		YP\AJ	Ok
14	P4599-03DL	EX-1-TPH-3DL	FE050946.D	31 Oct 2024 16:33	need further dilution	YP\AJ	Dilution
15	P4599-03DL2	EX-1-TPH-3DL2	FE050947.D	31 Oct 2024 17:03		YP\AJ	Ok
16	P4599-04DL	EX-1-TPH-4DL	FE050948.D	31 Oct 2024 17:34	need further dilution	YP\AJ	Dilution
17	P4599-04DL2	EX-1-TPH-4DL2	FE050949.D	31 Oct 2024 18:04		YP\AJ	Ok
18	P4599-05DL	EX-1-TPH-5DL	FE050950.D	31 Oct 2024 18:34	need further dilution	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103124AL

Review By	yogesh	Review On	10/31/2024 11:46:17 AM		
Supervise By	Ankita	Supervise On	11/4/2024 9:50:15 AM		
SubDirectory	FE103124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	P4599-05DL2	P4599-05DL2	FE050951.D	31 Oct 2024 19:05	not required	YP\AJ	Not Ok
20	P4599-06DL	EX-1-TPH-6DL	FE050952.D	31 Oct 2024 19:35		YP\AJ	Ok,M
21	P4599-08DL	EX-1-TPH-8DL	FE050953.D	31 Oct 2024 20:05	need further dilution	YP\AJ	Dilution
22	P4599-08DL2	EX-1-TPH-8DL2	FE050954.D	31 Oct 2024 20:35		YP\AJ	Ok
23	P4599-09DL	EX-1-TPH-9DL	FE050955.D	31 Oct 2024 21:06	need further dilution	YP\AJ	Dilution
24	P4599-09DL2	EX-1-TPH-9DL2	FE050956.D	31 Oct 2024 21:36		YP\AJ	Ok
25	I.BLK	I.BLK	FE050957.D	31 Oct 2024 22:36		YP\AJ	Ok
26	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050958.D	31 Oct 2024 23:06		YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110124AL

Review By	yogesh	Review On	11/1/2024 11:29:15 AM		
Supervise By	Ankita	Supervise On	11/4/2024 10:06:31 AM		
SubDirectory	FE110124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	FE050959.D	01 Nov 2024 09:53		YP\AJ	Ok
2	I.BLK	I.BLK	FE050960.D	01 Nov 2024 10:23		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050961.D	01 Nov 2024 10:53		YP\AJ	Ok,M
4	P4599-05DL2	EX-1-TPH-5DL2	FE050962.D	01 Nov 2024 11:24		YP\AJ	Ok
5	I.BLK	I.BLK	FE050963.D	01 Nov 2024 11:54		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050964.D	01 Nov 2024 12:24		YP\AJ	Ok,M
7	PB164589BL	PB164589BL	FE050965.D	01 Nov 2024 15:33		YP\AJ	Ok,M
8	PB164589BS	PB164589BS	FE050966.D	01 Nov 2024 16:03		YP\AJ	Ok,M
9	PB164589BSD	PB164589BSD	FE050967.D	01 Nov 2024 16:33		YP\AJ	Ok,M
10	P4640-01	MH-3	FE050968.D	01 Nov 2024 17:03		YP\AJ	Ok,M
11	P4640-02	MH-3-EPH	FE050969.D	01 Nov 2024 17:33	need 2x dilution	YP\AJ	Dilution
12	P4643-01	BP-F9-ADDITIONAL	FE050970.D	01 Nov 2024 18:04		YP\AJ	Ok,M
13	P4643-02	BP-F9-ADDITIONAL-EI	FE050971.D	01 Nov 2024 18:34		YP\AJ	Ok,M
14	P4643-05	BP-F8	FE050972.D	01 Nov 2024 19:04		YP\AJ	Ok,M
15	P4643-05D	P4643-05D	FE050973.D	01 Nov 2024 19:34		YP\AJ	Ok,M
16	P4643-05MS	BP-F8MS	FE050974.D	01 Nov 2024 20:04	FE050972.D	YP\AJ	Ok,M
17	P4643-05MSD	BP-F8MSD	FE050975.D	01 Nov 2024 20:34	FE050972.D!FE050974.D	YP\AJ	Ok,M
18	P4643-06	BP-F8-EPH	FE050976.D	01 Nov 2024 21:04		YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110124AL

Review By	yogesh	Review On	11/1/2024 11:29:15 AM		
Supervise By	Ankita	Supervise On	11/4/2024 10:06:31 AM		
SubDirectory	FE110124AL	HP Acquire Method		HP Processing Method	FE100824AL

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	P4643-09	TP-9	FE050977.D	01 Nov 2024 21:35		YP\AJ	Ok,M
20	P4643-10	TP-9-EPH	FE050978.D	01 Nov 2024 22:05		YP\AJ	Ok,M
21	I.BLK	I.BLK	FE050979.D	01 Nov 2024 23:05		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050980.D	01 Nov 2024 23:36		YP\AJ	Ok,M
23	P4645-01	Z-02-WC	FE050981.D	02 Nov 2024 00:36	need 2x dilution	YP\AJ	Dilution
24	P4645-02	Z-02-EPH	FE050982.D	02 Nov 2024 01:07	need 2x dilution	YP\AJ	Dilution
25	P4659-01	MH-2	FE050983.D	02 Nov 2024 01:37		YP\AJ	Ok,M
26	P4659-02	MH-2-EPH	FE050984.D	02 Nov 2024 02:07		YP\AJ	Ok,M
27	P4663-02	TENNANT-PAD-2-3-ST	FE050985.D	02 Nov 2024 02:37		YP\AJ	Ok,M
28	P4663-04	RES-BUILDING-PAD-N	FE050986.D	02 Nov 2024 03:07		YP\AJ	Ok,M
29	P4663-06	RES-BUILDING-PAD-N	FE050987.D	02 Nov 2024 03:37	need 2x dilution	YP\AJ	Dilution
30	P4663-08	RES-BUILDING-PAD-N	FE050988.D	02 Nov 2024 04:08		YP\AJ	Ok,M
31	I.BLK	I.BLK	FE050989.D	02 Nov 2024 05:08		YP\AJ	Ok
32	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050990.D	02 Nov 2024 05:38		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG102124AR

Review By	yogesh	Review On	10/21/2024 3:17:43 PM		
Supervise By	Ankita	Supervise On	10/22/2024 9:01:46 AM		
SubDirectory	FG102124AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG014459.D	21 Oct 2024 18:13		YP\AJ	Ok
2	I.BLK	I.BLK	FG014460.D	21 Oct 2024 18:42		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FG014461.D	21 Oct 2024 19:11		YP\AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FG014462.D	21 Oct 2024 19:40		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014463.D	21 Oct 2024 20:09		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FG014464.D	21 Oct 2024 20:38		YP\AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FG014465.D	21 Oct 2024 21:06		YP\AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014466.D	21 Oct 2024 21:36		YP\AJ	Ok
9	I.BLK	I.BLK	FG014467.D	21 Oct 2024 22:33		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014468.D	21 Oct 2024 23:03		YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG103024AR

Review By	yogesh	Review On	10/30/2024 1:57:25 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:23:19 AM		
SubDirectory	FG103024AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG014574.D	30 Oct 2024 09:58		YP\AJ	Ok
2	I.BLK	I.BLK	FG014575.D	30 Oct 2024 11:53		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014576.D	30 Oct 2024 12:21		YP\AJ	Ok,M
4	P4599-01	EX-1-TPH-1	FG014577.D	30 Oct 2024 17:09	need 5x & 20x dilution	YP\AJ	Dilution
5	P4599-02	EX-1-TPH-2	FG014578.D	30 Oct 2024 17:37	need 5x & 25x dilution	YP\AJ	Dilution
6	P4599-03	EX-1-TPH-3	FG014579.D	30 Oct 2024 18:06	need 5x & 50x dilution	YP\AJ	Dilution
7	P4599-04	EX-1-TPH-4	FG014580.D	30 Oct 2024 18:34	need 5x & 25x dilution	YP\AJ	Dilution
8	P4599-05	EX-1-TPH-5	FG014581.D	30 Oct 2024 19:02	need 5x & 25x dilution	YP\AJ	Dilution
9	P4599-06	EX-1-TPH-6	FG014582.D	30 Oct 2024 19:31	need 10x dilution	YP\AJ	Dilution
10	P4599-07	EX-1-TPH-7	FG014583.D	30 Oct 2024 19:59		YP\AJ	Ok
11	P4599-08	EX-1-TPH-8	FG014584.D	30 Oct 2024 20:27	need 20x dilution	YP\AJ	Dilution
12	P4599-09	EX-1-TPH-9	FG014585.D	30 Oct 2024 20:56	need 5x & 20x dilution	YP\AJ	Dilution
13	I.BLK	I.BLK	FG014586.D	30 Oct 2024 21:52		YP\AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014587.D	30 Oct 2024 22:21		YP\AJ	Ok,M
15	PB164532BL	PB164532BL	FG014588.D	30 Oct 2024 23:17		YP\AJ	Ok
16	PB164532BS	PB164532BS	FG014589.D	30 Oct 2024 23:46		YP\AJ	Ok
17	PB164532BSD	PB164532BSD	FG014590.D	31 Oct 2024 00:14		YP\AJ	Ok,M
18	P4578-01	WB-305-SW	FG014591.D	31 Oct 2024 00:42		YP\AJ	Ok

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG103024AR

Review By	yogesh	Review On	10/30/2024 1:57:25 PM		
Supervise By	Ankita	Supervise On	11/4/2024 9:23:19 AM		
SubDirectory	FG103024AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4578-02	WB-305-SW-1	FG014592.D	31 Oct 2024 01:11		YP\AJ	Ok
20	I.BLK	I.BLK	FG014593.D	31 Oct 2024 01:39		YP\AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014594.D	31 Oct 2024 02:07		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_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG103124AR

Review By	yogesh	Review On	10/31/2024 11:45:16 AM		
Supervise By	Ankita	Supervise On	11/4/2024 2:10:42 PM		
SubDirectory	FG103124AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG014595.D	31 Oct 2024 05:53		YP\AJ	Ok
2	I.BLK	I.BLK	FG014596.D	31 Oct 2024 06:21		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014597.D	31 Oct 2024 06:50		YP\AJ	Ok,M
4	P4599-01DL	EX-1-TPH-1DL	FG014598.D	31 Oct 2024 08:24	need further dilution	YP\AJ	Dilution
5	P4599-01DL2	EX-1-TPH-1DL2	FG014599.D	31 Oct 2024 09:30		YP\AJ	Ok,M
6	P4599-02DL	EX-1-TPH-2DL	FG014600.D	31 Oct 2024 09:58	need further dilution	YP\AJ	Dilution
7	P4599-02DL2	EX-1-TPH-2DL2	FG014601.D	31 Oct 2024 10:26		YP\AJ	Ok,M
8	P4599-03DL	EX-1-TPH-3DL	FG014602.D	31 Oct 2024 10:55	need further dilution	YP\AJ	Dilution
9	P4599-03DL2	EX-1-TPH-3DL2	FG014603.D	31 Oct 2024 11:23		YP\AJ	Ok,M
10	P4599-04DL	EX-1-TPH-4DL	FG014604.D	31 Oct 2024 11:51	need further dilution	YP\AJ	Dilution
11	P4599-04DL2	EX-1-TPH-4DL2	FG014605.D	31 Oct 2024 12:20		YP\AJ	Ok,M
12	P4599-05DL	EX-1-TPH-5DL	FG014606.D	31 Oct 2024 12:48	need further dilution	YP\AJ	Dilution
13	I.BLK	I.BLK	FG014607.D	31 Oct 2024 13:16		YP\AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014608.D	31 Oct 2024 13:45		YP\AJ	Ok,M
15	P4599-05DL2	EX-1-TPH-5DL2	FG014609.D	31 Oct 2024 14:13		YP\AJ	Ok,M
16	P4599-06DL	EX-1-TPH-6DL	FG014610.D	31 Oct 2024 14:41		YP\AJ	Ok,M
17	P4599-08DL	EX-1-TPH-8DL	FG014611.D	31 Oct 2024 15:10		YP\AJ	Ok,M
18	P4599-09DL	EX-1-TPH-9DL	FG014612.D	31 Oct 2024 15:38	need further dilution	YP\AJ	Dilution

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG103124AR

Review By	yogesh	Review On	10/31/2024 11:45:16 AM		
Supervise By	Ankita	Supervise On	11/4/2024 2:10:42 PM		
SubDirectory	FG103124AR	HP Acquire Method		HP Processing Method	FG102124AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4599-09DL2	EX-1-TPH-9DL2	FG014613.D	31 Oct 2024 16:06		YP\AJ	Ok,M
20	I.BLK	I.BLK	FG014614.D	31 Oct 2024 17:03		YP\AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014615.D	31 Oct 2024 17:32		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

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
P4599-01	EX-1-TPH-1	1	1.15	8.84	9.99	8.33	81.2	
P4599-02	EX-1-TPH-2	2	1.15	8.38	9.53	8.01	81.9	
P4599-03	EX-1-TPH-3	3	1.18	8.79	9.97	8.64	84.9	
P4599-04	EX-1-TPH-4	4	1.19	8.75	9.94	8.75	86.4	
P4599-05	EX-1-TPH-5	5	1.12	8.86	9.98	8.57	84.1	
P4599-06	EX-1-TPH-6	6	1.17	8.61	9.78	8.25	82.2	
P4599-07	EX-1-TPH-7	7	1.18	8.66	9.84	8.34	82.7	
P4599-08	EX-1-TPH-8	8	1.18	8.66	9.84	8.49	84.4	
P4599-09	EX-1-TPH-9	9	1.15	8.81	9.96	8.94	88.4	
P4601-19	C0PI0	10	1.14	8.82	9.96	7.38	70.7	
P4601-20	C0PI2	11	1.18	8.42	9.6	9.15	94.7	
P4601-21	C0PI6	12	1.14	8.64	9.78	8.53	85.5	
P4601-22	C0PI8	13	1.15	8.84	9.99	8.31	81.0	
P4601-23	C0PI9	14	1.18	8.63	9.81	8.68	86.9	
P4601-24	CC0P1	15	1.13	8.70	9.83	9.42	95.3	
P4601-25	CC0P3	16	1.13	8.61	9.74	8.68	87.7	
P4601-26	CC0P5	17	1.17	8.55	9.72	8.77	88.9	
P4601-27	CC0P7	18	1.18	8.33	9.51	8.51	88.0	
P4601-28	CC0P9	19	1.15	8.56	9.71	8.71	88.3	
P4601-29	CC0Q1	20	1.17	8.53	9.7	8.68	88.0	
P4601-30	CC0Q6	21	1.16	8.69	9.85	9.22	92.8	
P4601-31	CC0Q8	22	1.16	8.50	9.66	8.35	84.6	
P4601-32	CC0R3	23	1.17	8.56	9.73	7.84	77.9	
P4601-33	CC0R4	24	1.16	8.42	9.58	7.19	71.6	
P4601-34	CC0R5	25	1.18	8.77	9.95	9.55	95.4	
P4601-35	CC0R6	26	1.14	8.62	9.76	9.25	94.1	
P4601-36	CC0R7	27	1.15	8.37	9.52	7.95	81.2	
P4601-37	P4601-36MS	28	1.15	8.37	9.52	7.95	81.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

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
P4601-38	P4601-36MSD	29	1.15	8.37	9.52	7.95	81.2	
P4602-19	C0P17	30	1.17	8.65	9.82	9.06	91.2	
P4602-21	CC0P2	31	1.15	8.78	9.93	9.58	96.0	
P4602-22	CC0P4	32	1.14	8.41	9.55	9.17	95.5	
P4602-23	CC0P6	33	1.14	8.64	9.78	9.11	92.2	
P4602-24	CC0P8	34	1.18	8.57	9.75	8.71	87.9	
P4602-25	CC0Q0	35	1.16	8.40	9.56	8.7	89.8	
P4602-26	CC0Q2	36	1.13	8.54	9.67	8.43	85.5	
P4602-27	CC0Q3	37	1.13	8.47	9.6	6.8	66.9	
P4602-28	CC0Q4	38	1.16	8.42	9.58	7.84	79.3	
P4602-29	CC0Q5	39	1.15	8.38	9.53	7.64	77.4	
P4602-30	CC0Q7	40	1.15	8.78	9.93	8.61	85.0	
P4602-31	CC0Q9	41	1.14	8.79	9.93	9.57	95.9	
P4602-32	CC0R0	42	1.13	8.83	9.96	8.82	87.1	
P4602-33	CC0R1	43	1.15	8.66	9.81	7.9	77.9	
P4602-34	CC0R2	44	1.15	8.64	9.79	7.53	73.8	
P4602-37	CC0P0	45	1.15	8.57	9.72	9.1	92.8	
P4602-38	P4602-38MS	46	1.15	8.57	9.72	9.1	92.8	
P4602-39	P4602-38MSD	47	1.15	8.57	9.72	9.1	92.8	
P4602-40	CC0R6	48	1.15	8.62	9.77	9.3	94.5	
P4602-41	P4602-40MS	49	1.15	8.62	9.77	9.3	94.5	
P4602-42	P4602-40MSD	50	1.15	8.62	9.77	9.3	94.5	
P4602-43	CC0R8	51	1.15	8.41	9.56	8.85	91.6	
P4602-44	P4602-43MS	52	1.15	8.41	9.56	8.85	91.6	
P4602-45	P4602-43MSD	53	1.15	8.41	9.56	8.85	91.6	
P4605-01	TAPIAL2-SED02-102824-00-T2	54	1.16	8.51	9.67	8.99	92.0	
P4605-02	TAPIAL2-SED01-102824-00-T2	55	1.15	8.46	9.61	8.41	85.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

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
P4605-03	TAPIAL3-SED01-102824-00-T2	56	1.17	8.61	9.78	8.85	89.2	
P4605-04	TAPHHA-SED01-102824-00-T2	57	1.15	8.43	9.58	8.32	85.1	
P4605-05	TAPHHA-SED02-102824-00-T2	58	1.15	8.65	9.8	5.88	54.7	
P4605-06	TAPLPR-SED11-102824-00-T2	59	1.16	8.50	9.66	7.76	77.6	
P4606-01	1	60	1.00	1.00	2.00	2.00	100.0	caluk
P4611-01	TP-1	61	1.18	8.80	9.98	9.52	94.8	
P4611-02	TP-1-E2	62	1.15	8.82	9.97	9.33	92.7	
P4611-04	TP-2	63	1.17	8.37	9.54	9.16	95.5	
P4611-05	TP-2-E2	64	1.12	8.45	9.57	9.33	97.2	
P4611-07	TP-3	65	1.15	8.47	9.62	9.35	96.8	
P4611-08	TP-3-E2	66	1.15	8.59	9.74	9.47	96.9	
P4611-10	TP-4	67	1.19	8.50	9.69	9.22	94.5	
P4611-11	TP-4-E2	68	1.16	8.50	9.66	9.24	95.1	
P4611-13	TP-5	69	1.14	8.58	9.72	9.33	95.5	
P4611-14	TP-5-E2	70	1.19	8.47	9.66	9.31	95.9	
P4611-16	TP-6	71	1.16	8.53	9.69	9.32	95.7	
P4611-17	TP-6-E2	72	1.15	8.63	9.78	9.39	95.5	
P4612-01	W029020-1-1	73	1.00	1.00	2.00	2.00	100.0	pilc
P4612-02	W029020-1-2	74	1.00	1.00	2.00	2.00	100.0	pilc
P4612-03	MOO-24-00335	75	1.15	8.54	9.69	9.38	96.4	
P4612-05	CONCRETE-PAD	76	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4613-01	ARS20-0001	77	1.17	8.71	9.88	8.88	88.5	
P4614-01	NB-07-102924	78	1.17	8.80	9.97	8.43	82.5	
P4614-02	NB-07-102924-E2	79	1.14	8.74	9.88	8.61	85.5	
P4616-01	BP-F10	80	1.18	8.80	9.98	9.22	91.4	
P4616-02	BP-F10-EPH	81	1.17	8.53	9.7	8.71	88.4	
P4616-05	BP-F9-MOVED	82	1.15	8.80	9.95	8.93	88.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

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
P4616-06	BP-F9-MOVED-EPH	83	1.16	8.67	9.83	8.83	88.5	
P4617-01	RO-SOIL	84	1.13	8.65	9.78	9.1	92.1	
P4617-02	RO-SOIL-E2	85	1.18	8.48	9.66	9.13	93.8	
P4617-03	CONCRETE-PILE	86	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4618-01	HR-01-102924	87	1.15	8.46	9.61	9.22	95.4	
P4618-02	HR-01-102924-E2	88	1.15	8.83	9.98	9.62	95.9	
P4618-03	HR-04-102924	89	1.15	8.69	9.84	9.5	96.1	
P4618-04	HR-04-102924-E2	90	1.14	8.61	9.75	9.46	96.6	
P4619-01	SU-03-102924	91	1.15	8.57	9.72	9.05	92.2	
P4619-02	SU-03-102924-E2	92	1.17	8.36	9.53	8.8	91.3	
P4619-03	SU-04-102924	93	1.17	8.70	9.87	8.86	88.4	
P4619-04	SU-04-102924-E2	94	1.13	8.47	9.6	8.67	89.0	

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

WORKLIST(Hardcopy Internal Chain)

VB133188

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4599-01	EX-1-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-02	EX-1-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-03	EX-1-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-04	EX-1-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-05	EX-1-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-06	EX-1-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-07	EX-1-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-08	EX-1-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-09	EX-1-TPH-9	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4601-19	C0PI0	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-20	C0PI2	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-21	C0PI6	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-22	C0PI8	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-23	C0PI9	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-24	CC0P1	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-25	CC0P3	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-26	CC0P5	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-27	CC0P7	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-28	CC0P9	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-29	CC0Q1	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-30	CC0Q6	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO

Date/Time 10/24/24 15:00

Raw Sample Received by: SD WC

Raw Sample Relinquished by: CP

Date/Time 10/24/24 17:10

Raw Sample Received by: CP

Raw Sample Relinquished by: SD WC

WORKLIST(Hardcopy Internal Chain)

VB 133188

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4601-31	CC0Q8	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-32	CC0R3	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-33	CC0R4	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-34	CC0R5	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-35	CC0R6	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-36	CC0R7	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-37	P4601-36MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-38	P4601-36MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4602-19	C0P17	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-21	CC0P2	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-22	CC0P4	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-23	CC0P6	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-24	CC0P8	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-25	CC0Q0	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-26	CC0Q2	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-27	CC0Q3	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-28	CC0Q4	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-29	CC0Q5	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-30	CC0Q7	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-31	CC0Q9	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-32	CC0R0	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO

Date/Time 10/29/24 15:00

Raw Sample Received by: BD WC

Raw Sample Relinquished by: CP

Date/Time 10/29/24 17:10

Raw Sample Received by: CP

Raw Sample Relinquished by: BD WC

WORKLIST(Hardcopy Internal Chain)

JB 133188

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4602-33	CC0R1	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-34	CC0R2	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-37	CC0P0	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-38	P4602-38MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-39	P4602-38MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-40	CC0R6	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-41	P4602-40MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-42	P4602-40MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-43	CC0R8	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-44	P4602-43MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-45	P4602-43MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4605-01	TAPIAL2-SED02-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-02	TAPIAL2-SED01-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-03	TAPIAL3-SED01-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-04	TAPHHA-SED01-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-05	TAPHHA-SED02-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-06	TAPLPR-SED11-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4606-01	1	Solid	Percent Solids	Cool 4 deg C	ATCE02	K63	10/26/2024	Chemtech -SO
P4611-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-02	TP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-04	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO

Date/Time 10/29/24 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 10/29/24 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WS 133188

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4611-05	TP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-07	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-08	TP-3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-10	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-11	TP-4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-13	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-14	TP-5-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-16	TP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-17	TP-6-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-01	W029020-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-02	W029020-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-03	MOO-24-00335	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-05	CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4613-01	ARS20-0001	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/29/2024	Chemtech -SO
P4614-01	NB-07-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4614-02	NB-07-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4616-01	BP-F10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4616-02	BP-F10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4616-05	BP-F9-MOVED	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4616-06	BP-F9-MOVED-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4617-01	RO-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO

Date/Time 10/29/24 1510

Raw Sample Received by: WC

Raw Sample Relinquished by:

Date/Time 10/29/24 1710

Raw Sample Received by:

Raw Sample Relinquished by: WC

WORKLIST(Hardcopy Internal Chain)

VB 133188

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4617-02	RO-SOIL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4617-03	CONCRETE-PILE	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4618-01	HR-01-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4618-02	HR-01-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4618-03	HR-04-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4618-04	HR-04-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4619-01	SU-03-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4619-02	SU-03-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4619-03	SU-04-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4619-04	SU-04-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO

Date/Time 10/24/24 1510

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/24/24 1710

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164525

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/30/2024

Extraction Start Time : 08:20

Extraction End Date : 10/30/2024

Extraction End Time : 16:40

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
Surrogate	1.0ML	100 PPM	PP23706
Fractionation Surrogate	1.0ML	100 PPM	PP23892
Spike Sol 1	1.0ML	100 PPM	PP23916
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	EP2538
Baked Na2SO4	N/A	EP2554
Sand	N/A	E2865
Hexane	N/A	E3819
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/30/24	RP (Ext Tech)	Y. P. Pestipad.
16:45	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164525

Analytical Method: MNJDEP-EPH-7

Concentration Date: 10/30/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164525BL	PB164525BL	EPH	30.03	N/A	ritesh	Evelyn	2	E		U1-1
PB164525BS	PB164525BS	EPH	30.01	N/A	ritesh	Evelyn	2			2
PB164525BSD	PB164525BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
P4578-03	WB-305-TOP	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
P4578-04	WB-305-TOP-1	EPH	30.09	N/A	ritesh	Evelyn	2	E		5
P4578-05	WB-305-BOT	EPH	30.07	N/A	ritesh	Evelyn	2	E		6
P4578-05DUP	WB-305-BOTDUP	EPH	30.03	N/A	ritesh	Evelyn	2	E		U5-1
P4578-05MS	WB-305-BOTMS	EPH	30.01	N/A	ritesh	Evelyn	2	E		2
P4578-05MSD	WB-305-BOTMSD	EPH	30.10	N/A	ritesh	Evelyn	2	E		3
P4578-07	WB-305-BOT-1	EPH	30.08	N/A	ritesh	Evelyn	2	E		4
P4599-01	EX-1-TPH-1	EPH	30.06	N/A	ritesh	Evelyn	2	E		5
P4599-02	EX-1-TPH-2	EPH	30.03	N/A	ritesh	Evelyn	2	E		6
P4599-03	EX-1-TPH-3	EPH	30.07	N/A	ritesh	Evelyn	2	E		U6-1
P4599-04	EX-1-TPH-4	EPH	30.01	N/A	ritesh	Evelyn	2	E		2
P4599-05	EX-1-TPH-5	EPH	30.06	N/A	ritesh	Evelyn	2	E		3
P4599-06	EX-1-TPH-6	EPH	30.02	N/A	ritesh	Evelyn	2	E		4
P4599-07	EX-1-TPH-7	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
P4599-08	EX-1-TPH-8	EPH	30.04	N/A	ritesh	Evelyn	2	E		6
P4599-09	EX-1-TPH-9	EPH	30.08	N/A	ritesh	Evelyn	2	E		U7-1

* **Extracts relinquished on the same date as received.**

10/30/24

164925
8:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4599 **WorkList ID :** 184926 **Department :** Extraction **Date :** 10-30-2024 08:14:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4578-03	WB-305-TOP	Solid	EPH	Cool 4 deg C	PORT06	K63	10/25/2024	NJEPH
P4578-04	WB-305-TOP-1	Solid	EPH	Cool 4 deg C	PORT06	K63	10/25/2024	NJEPH
P4578-05	WB-305-BOT	Solid	EPH	Cool 4 deg C	PORT06	K63	10/25/2024	NJEPH
P4578-07	WB-305-BOT-1	Solid	EPH	Cool 4 deg C	PORT06	K63	10/25/2024	NJEPH
P4599-01	EX-1-TPH-1	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-02	EX-1-TPH-2	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-03	EX-1-TPH-3	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-04	EX-1-TPH-4	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-05	EX-1-TPH-5	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-06	EX-1-TPH-6	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-07	EX-1-TPH-7	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-08	EX-1-TPH-8	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH
P4599-09	EX-1-TPH-9	Solid	EPH	Cool 4 deg C	ENTA05	K63	10/28/2024	NJEPH

Date/Time 10/30/24 8:17
Raw Sample Received by: RJ (Sat Lab)
Raw Sample Relinquished by: ITC(SM)

Date/Time 10/30/24 8:45
Raw Sample Received by: ITC(SM)
Raw Sample Relinquished by: RJ (Sat Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : P4599

Test : EPH

Prepbatch ID : PB164525,

Sequence ID/Qc Batch ID: FC103024AL,FD103024AR,FE103024AL,FE103124AL,FE110124AL,FG103024AR,FG103124AR,

Standard ID :
EP2538,EP2554,PP23429,PP23430,PP23519,PP23520,PP23521,PP23522,PP23523,PP23644,PP23645,PP23646,PP23647,PP23648,PP23649,PP23650,PP23706,PP23892,PP23916,

Chemical ID :
E2865,E3551,E3743,E3757,E3768,E3788,E3789,E3793,E3794,E3819,P10259,P 11137,P12362,P12972,P13004,P13005,P13017,P13018,P13019,P13020,P13022,P13044,P13045,P13047,P13048,P13098,P13100,P13101,P13102,P13258,P13259,P13266,P13268,P13271,P13278,P13299,P13423,P13427,P13473,P13625,P13626,P13627,P13718,P13719,P13720,P13721,P13722,P13723,P13724,P13725,P13726,P13727,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3868	METHELENE CHLORIDE+ACETONE	EP2538	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 8000.00000ml of E3793 + 8000.00000ml of E3794 = Final Quantity: 1600.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2554	10/26/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Rajesh Parikh 10/26/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
782	100 PPM Aromatic HC Working STD	PP23429	05/21/2024	11/16/2024	Yogesh Patel	None	None	Ankita Jodhani 05/24/2024

FROM 0.25000ml of P13004 + 0.62500ml of P13259 + 1.25000ml of P10259 + 22.87500ml of E3743 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2945	100 PPM Aromatic HC Working STD (Absolute)	PP23430	05/21/2024	11/16/2024	Yogesh Patel	None	None	Ankita Jodhani 05/24/2024

FROM 0.25000ml of P13005 + 0.62500ml of P13258 + 1.25000ml of P11137 + 22.87500ml of E3743 = Final Quantity: 25.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
787	50 PPM Aromatic HC STD	PP23519	07/15/2024	11/16/2024	Yogesh Patel	None	None	Ankita Jodhani 07/16/2024

FROM 0.50000ml of E3768 + 0.50000ml of PP23429 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
788	20 PPM Aromatic HC STD	PP23520	07/15/2024	11/16/2024	Yogesh Patel	None	None	Ankita Jodhani 07/16/2024

FROM 0.80000ml of E3768 + 0.20000ml of PP23429 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
789	10 PPM Aromatic HC STD	PP23521	07/15/2024	11/16/2024	Yogesh Patel	None	None	Ankita Jodhani 07/16/2024

FROM 0.90000ml of E3768 + 0.10000ml of PP23429 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
790	5 PPM Aromatic HC STD	PP23522	07/15/2024	11/16/2024	Yogesh Patel	None	None	Ankita Jodhani 07/16/2024

FROM 0.90000ml of E3768 + 0.10000ml of PP23519 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2946	20 PPM Aromatic HC STD ICV (Absolute)	PP23523	07/15/2024	11/16/2024	Yogesh Patel	None	None	Ankita Jodhani 07/16/2024

FROM 0.80000ml of E3768 + 0.20000ml of PP23430 = Final Quantity: 1.000 ml

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

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

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)	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

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

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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	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

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

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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	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

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1339	100 PPM NJEPH Surrogate Spike	PP23706	09/26/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani 10/01/2024

FROM 1.25000ml of P13018 + 1.25000ml of P13019 + 1.25000ml of P13020 + 1.25000ml of P13022 + 1.25000ml of P13044 + 1.25000ml of P13045 + 1.25000ml of P13047 + 1.25000ml of P13048 + 490.00000ml of E3788 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1331	100 PPM NJEPH Fractionating Surrogate	PP23892	10/17/2024	04/15/2025	Yogesh Patel	None	None	Ankita Jodhani 10/18/2024

FROM 1.25000ml of P13266 + 1.25000ml of P13268 + 1.25000ml of P13271 + 1.25000ml of P13473 + 195.00000ml of E3819 = 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	PP23916	10/25/2024	04/25/2025	Yogesh Patel	None	None	Ankita Jodhani 10/28/2024

FROM

5.00000ml of P13098 + 5.00000ml of P13100 + 5.00000ml of P13101 + 5.00000ml of P13102 + 5.00000ml of P13299 + 5.00000ml of P13423 + 5.00000ml of P13427 + 5.00000ml of P13625 + 5.00000ml of P13626 + 5.00000ml of P13627 + 5.00000ml of P13718 + 5.00000ml of P13719 + 5.00000ml of P13720 + 5.00000ml of P13721 + 5.00000ml of P13722 + 5.00000ml of P13723 + 5.00000ml of P13724 + 5.00000ml of P13725 + 5.00000ml of P13726 + 5.00000ml of P13727 = Final Quantity: 100.000 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	12/31/2024	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	01/03/2025	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 #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24C0162011	11/16/2024	05/16/2024 / Rajesh	04/26/2024 / Rajesh	E3743

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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

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)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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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-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	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

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)	24G2362009	03/17/2025	09/17/2024 / Rajesh	09/03/2024 / Rajesh	E3794

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	04/15/2025	10/15/2024 / Rajesh	10/09/2024 / Rajesh	E3819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30541 / Custom NJEPH Aromatics Calibration Standard	A0165529	11/21/2024	05/21/2024 / yogesh	01/26/2021 / dhaval	P10259

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	07/08/2024	01/08/2024 / yogesh	10/29/2021 / Abdul	P11137

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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	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	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	31097 / o-Terphenyl Standard	A0204177	11/21/2024	05/21/2024 / yogesh	12/21/2023 / Yogesh	P13004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	11/21/2024	05/21/2024 / yogesh	12/21/2023 / Yogesh	P13005

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 #
Restek	31097 / o-Terphenyl Standard	A0204177	03/26/2025	09/26/2024 / yogesh	12/21/2023 / Yogesh	P13018

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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	A0204177	03/26/2025	09/26/2024 / yogesh	12/21/2023 / Yogesh	P13019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	03/26/2025	09/26/2024 / yogesh	12/21/2023 / Yogesh	P13020

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	03/26/2025	09/26/2024 / yogesh	12/21/2023 / Yogesh	P13022

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0200707	03/26/2025	09/26/2024 / yogesh	12/26/2023 / Yogesh	P13044

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0200707	03/26/2025	09/26/2024 / yogesh	12/26/2023 / Yogesh	P13045

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0200707	03/26/2025	09/26/2024 / yogesh	12/26/2023 / Yogesh	P13047

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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	A0200707	03/26/2025	09/26/2024 / yogesh	12/26/2023 / Yogesh	P13048

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0203911	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13098

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0200008	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13100

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0200008	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13101

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0200008	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0206496	11/21/2024	05/21/2024 / yogesh	02/20/2024 / yogesh	P13258

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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	A0206496	11/21/2024	05/21/2024 / yogesh	02/20/2024 / yogesh	P13259

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0206496	04/17/2025	10/17/2024 / yogesh	02/20/2024 / yogesh	P13266

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0206496	04/17/2025	10/17/2024 / yogesh	02/20/2024 / yogesh	P13268

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0206496	04/17/2025	10/17/2024 / yogesh	02/20/2024 / yogesh	P13271

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 #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0207239	04/25/2025	10/25/2024 / yogesh	04/23/2024 / yogesh	P13299

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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	A0207239	04/25/2025	10/25/2024 / yogesh	07/16/2024 / Yogesh	P13423

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0207239	04/25/2025	10/25/2024 / yogesh	07/16/2024 / Yogesh	P13427

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	04/17/2025	10/17/2024 / yogesh	07/23/2024 / yogesh	P13473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	04/25/2025	10/25/2024 / yogesh	10/16/2024 / yogesh	P13625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	04/25/2025	10/25/2024 / yogesh	10/16/2024 / yogesh	P13626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	04/25/2025	10/25/2024 / yogesh	10/16/2024 / yogesh	P13627

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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	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13718

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13719

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13720

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13721

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13722

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13723

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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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13724

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13725

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13726

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	04/25/2025	10/25/2024 / yogesh	10/24/2024 / yogesh	P13727

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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)

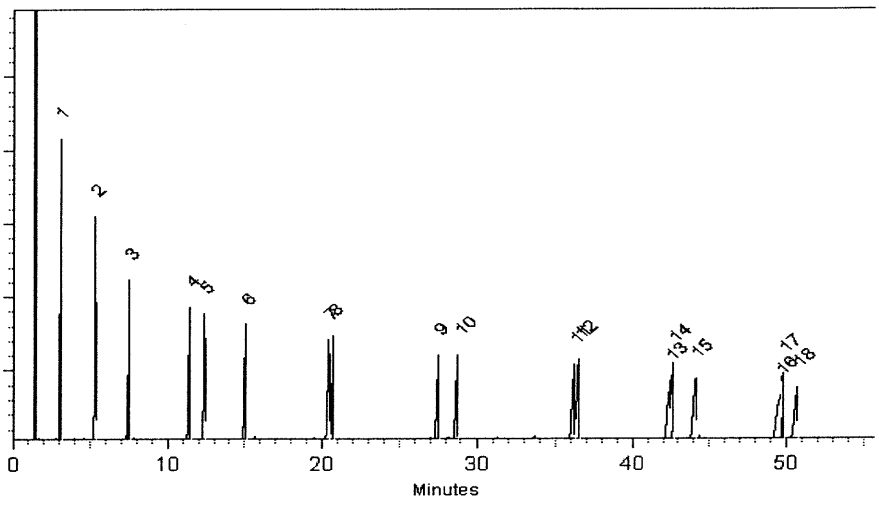
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.B

Material No.: 926
Batch No.: 24C01E
Manufactured Date: 2024-C
Expiration Date: 2025-C
Revision I

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	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	10
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24A04224

E 3743

Ken Koehnlein
Sr. Manager, Quality Assurance


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

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
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	0.1 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
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

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

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

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

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count - 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/09/24

E 3819

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

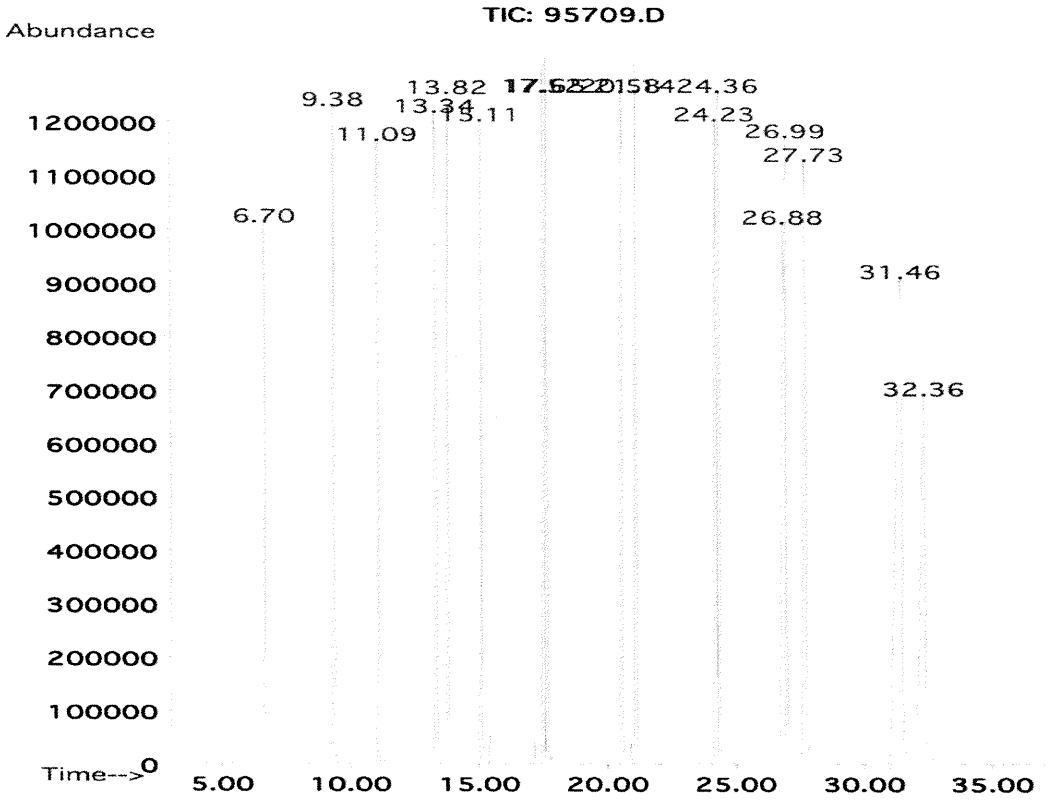
	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acenaphthene	1	MKBJ4871V	2000	99	0.2	1.01003	1.01010	2000.1	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

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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.

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)

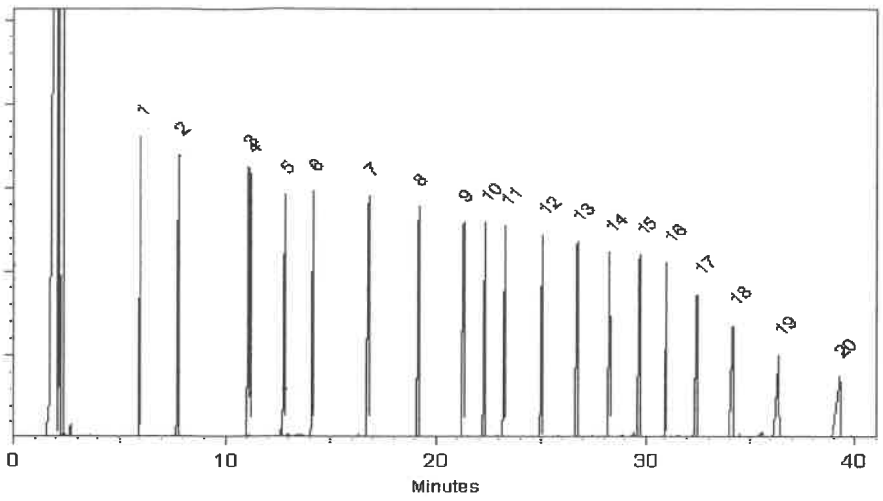
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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.)

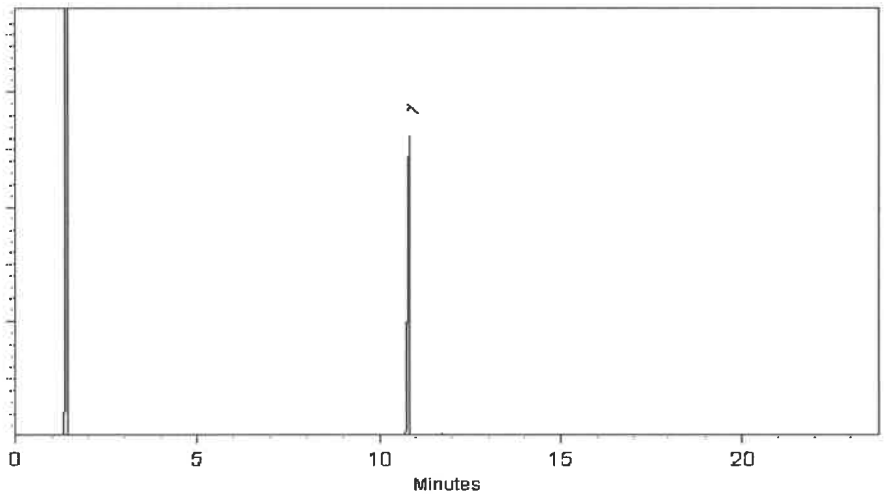
Inj. Temp:
250°C

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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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.)

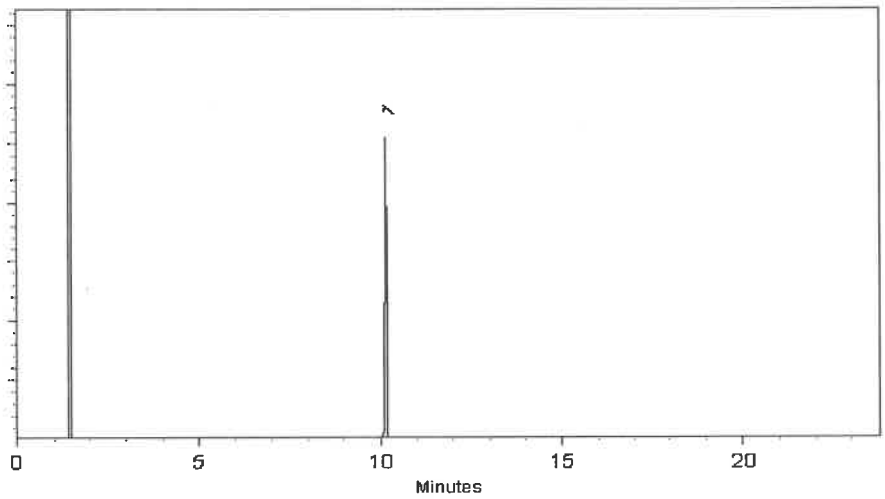
Inj. Temp:
250°C

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.
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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.)

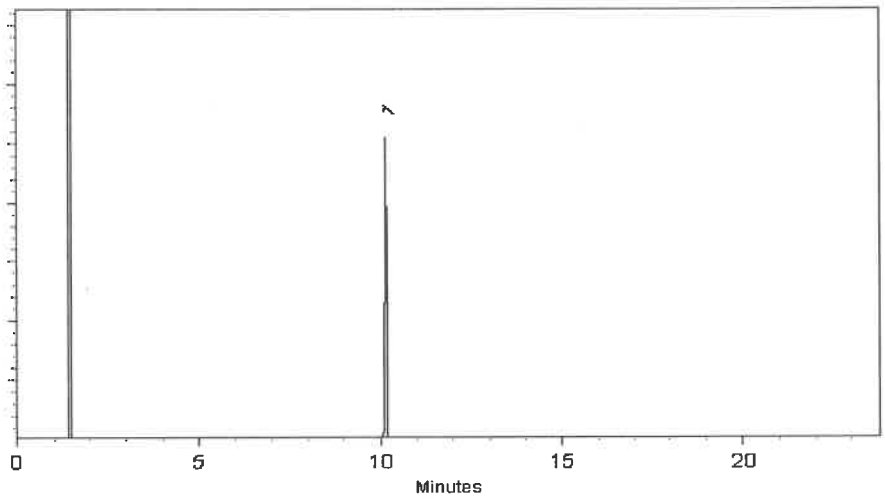
Inj. Temp:
250°C

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.
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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.)

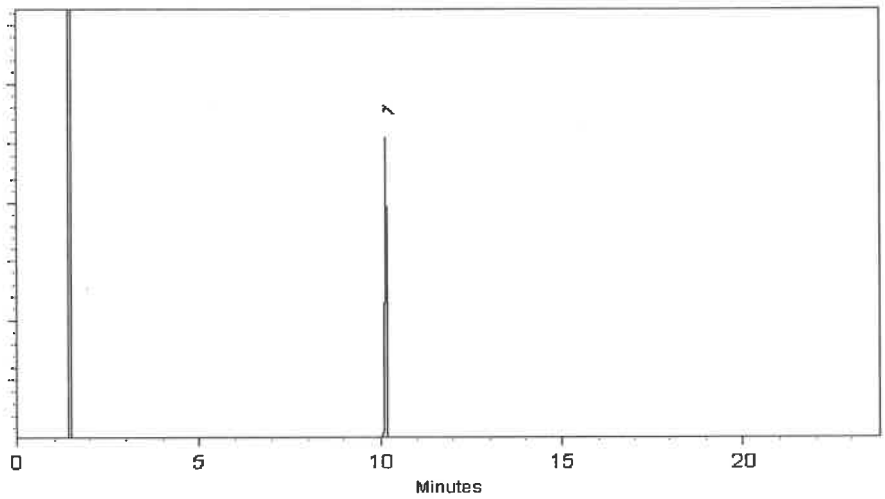
Inj. Temp:
250°C

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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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.

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.)

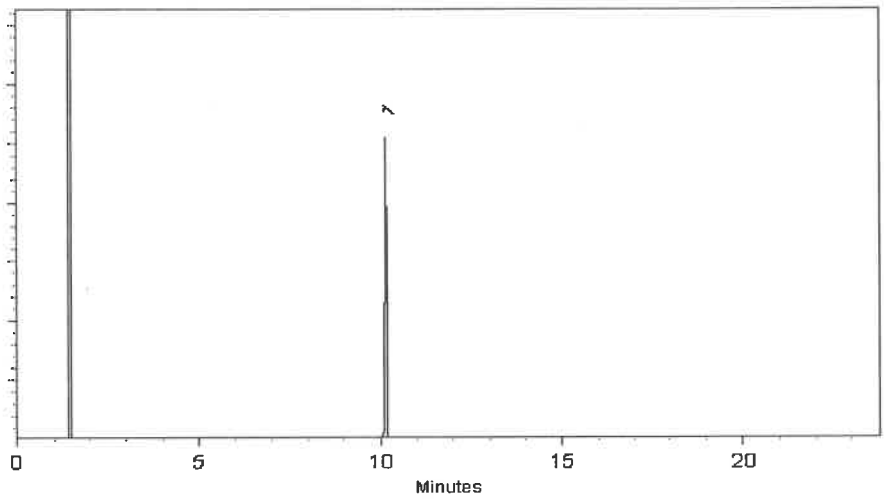
Inj. Temp:
250°C

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.
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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.)

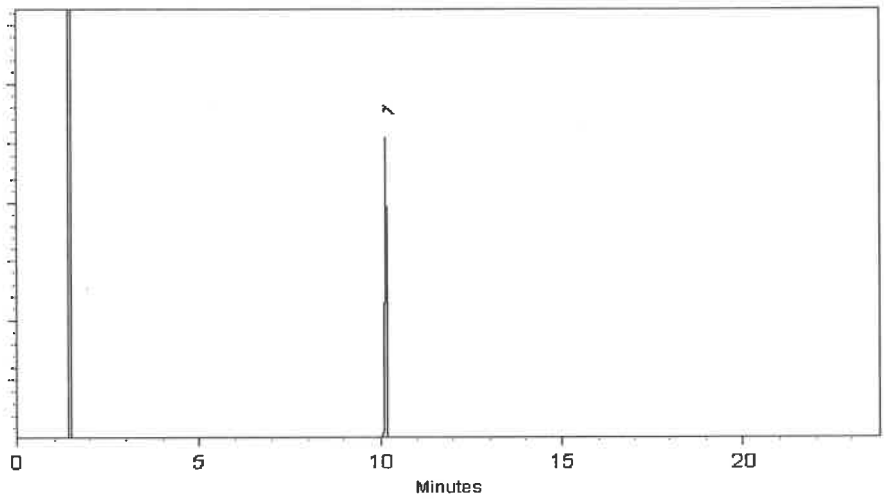
Inj. Temp:
250°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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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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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

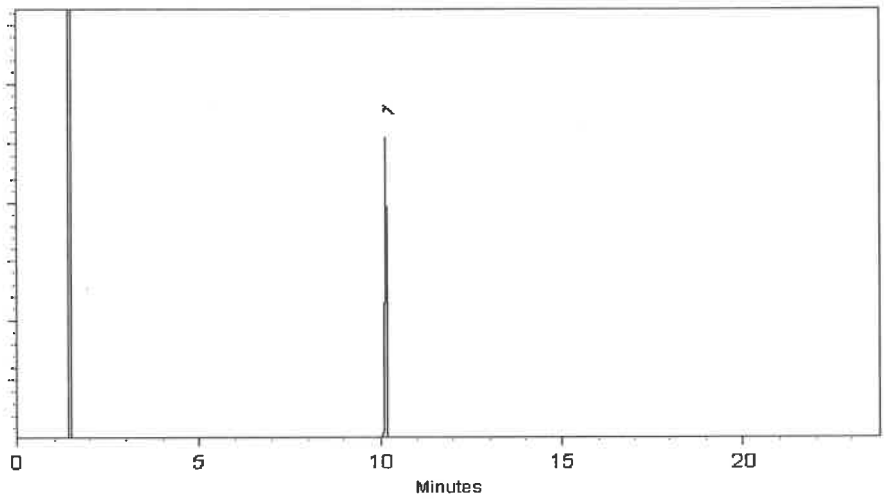
Inj. Temp:
250°C

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.
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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:

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Handling Notes:

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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.)

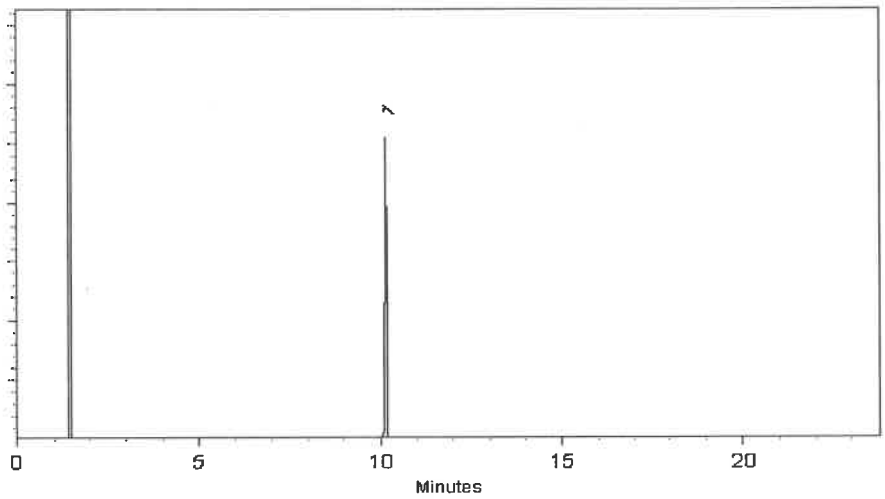
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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:

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Handling Notes:

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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. : 31098 **Lot No.:** A0200707

P13044 & P13051 Y.P. 12/26/23

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2030 **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	E230426RSRB	99%	10,018.0 µg/mL	+/- 562.8106

* 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.)

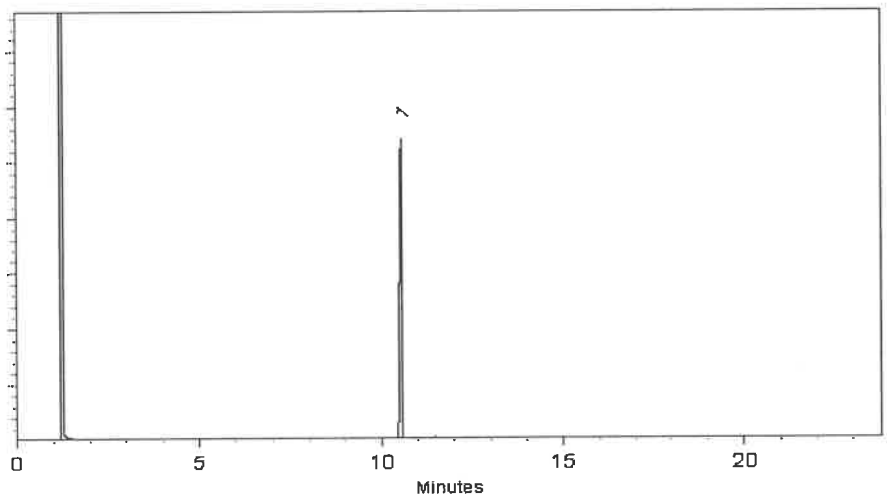
Inj. Temp:
250°C

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.

Ashley Frantz - Quoting Technician

Date Mixed: 07-Aug-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 10-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0200707

P13044 & P13051 Y.P. 12/26/23

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2030 **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	E230426RSRB	99%	10,018.0 µg/mL	+/- 562.8106

* 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.)

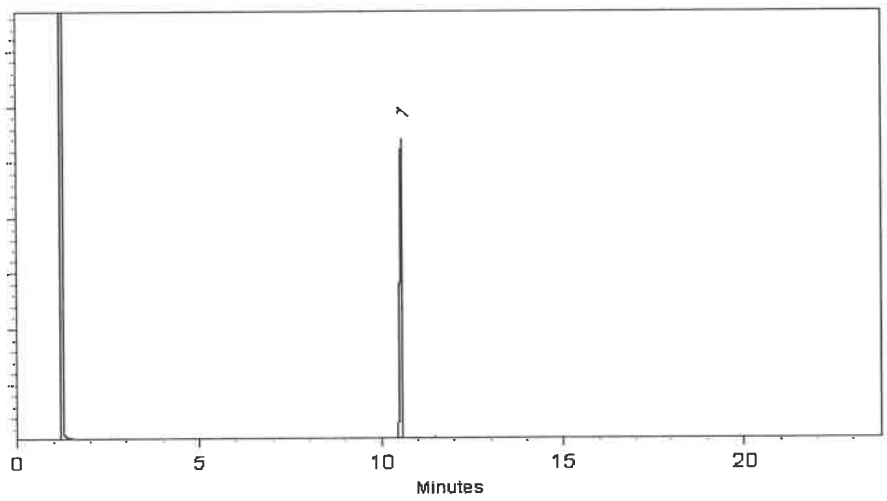
Inj. Temp:
250°C

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.

Ashley Frantz - Quoting Technician

Date Mixed: 07-Aug-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 10-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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. : 31098 **Lot No.:** A0200707

P13044 & P13051 Y.P. 12/26/23

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2030 **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	E230426RSRB	99%	10,018.0 µg/mL	+/- 562.8106

* 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.)

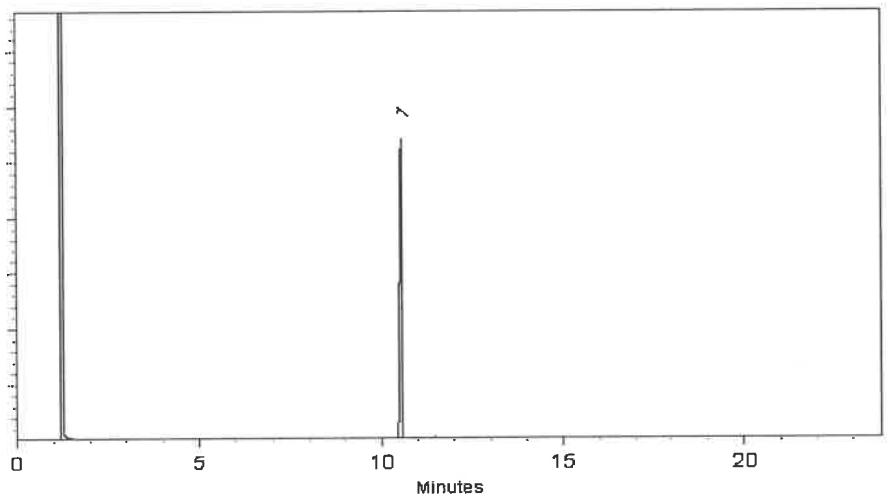
Inj. Temp:
250°C

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.

Ashley Frantz - Quoting Technician

Date Mixed: 07-Aug-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 10-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 31098 **Lot No.:** A0200707

P13044 & P13051 Y.P. 12/26/23

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2030 **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	E230426RSRB	99%	10,018.0 µg/mL	+/- 562.8106

* 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.)

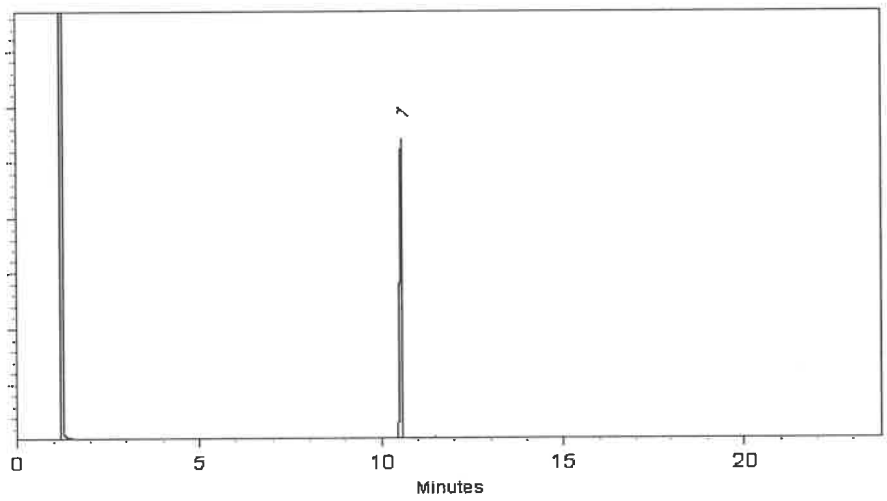
Inj. Temp:
250°C

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.

Ashley Frantz - Quoting Technician

Date Mixed: 07-Aug-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 10-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.

P13053 ↓ P13099 } Y.P. 01/12/24

Catalog No. : 30542 **Lot No.:** A0203911

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, 2030 **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	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.0 µg/mL	+/- 5.1667
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.0 µg/mL	+/- 5.1667
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.7 µg/mL	+/- 5.1839
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.6 µg/mL	+/- 5.1815
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Henicosane (C21)	629-94-7	MKCL8682	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	200.3 µg/mL	+/- 5.1753
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.5 µg/mL	+/- 5.1788
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.0 µg/mL	+/- 5.1667

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.0 µg/mL	+/-	5.1667

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

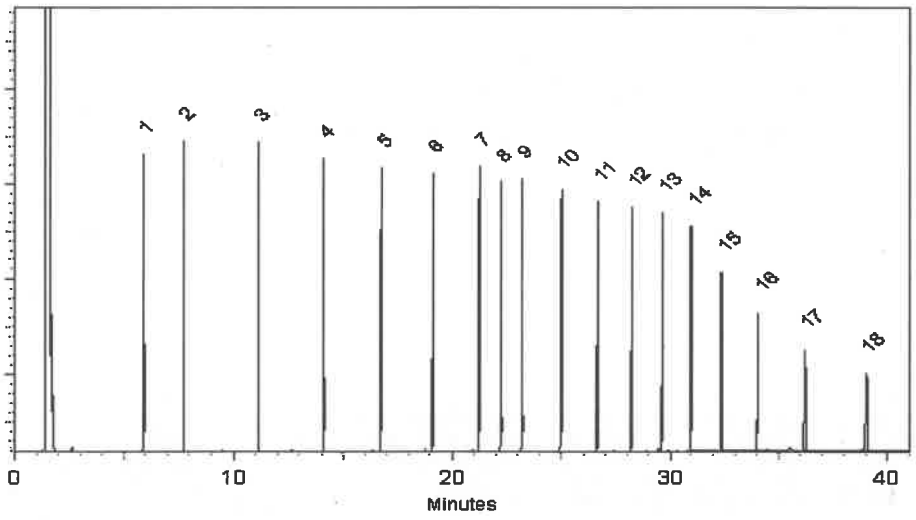
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 31-Oct-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-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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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. : 30542 **Lot No.:** A0200008

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 : August 31, 2030 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13100 & P13102 Y.P. 01/02/24

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%	201.7 µg/mL	+/- 5.2098
2	n-Decane (C10)	124-18-5	SHBP4427	99%	201.3 µg/mL	+/- 5.2012
3	n-Dodecane (C12)	112-40-3	SHBN7174	99%	200.7 µg/mL	+/- 5.1839
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	201.0 µg/mL	+/- 5.1926
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	201.7 µg/mL	+/- 5.2098
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	201.2 µg/mL	+/- 5.1984
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	201.4 µg/mL	+/- 5.2038
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	201.3 µg/mL	+/- 5.2012
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	201.3 µg/mL	+/- 5.2012
10	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.7 µg/mL	+/- 5.2098
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	201.0 µg/mL	+/- 5.1926
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.5 µg/mL	+/- 5.1788
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.3 µg/mL	+/- 5.2012
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.7 µg/mL	+/- 5.1839
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.0 µg/mL	+/- 5.1926
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	201.3 µg/mL	+/- 5.1998

18	n-Tetracontane (C40)	4181-95-7	4LJYN	98%	200.6 µg/mL	+/-	5.1815

* 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.)

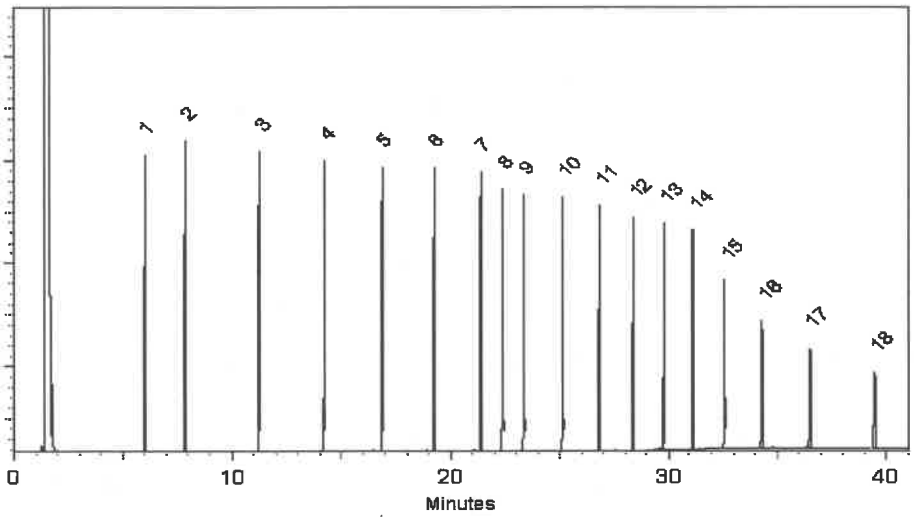
Inj. Temp:
250°C

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.

John Friedline - Operations Technician I

Date Mixed: 18-Jul-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Jul-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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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. : 30542 **Lot No.:** A0200008

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 : August 31, 2030 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13100 & P13102 Y.P. 01/02/24

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%	201.7 µg/mL	+/- 5.2098
2	n-Decane (C10)	124-18-5	SHBP4427	99%	201.3 µg/mL	+/- 5.2012
3	n-Dodecane (C12)	112-40-3	SHBN7174	99%	200.7 µg/mL	+/- 5.1839
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	201.0 µg/mL	+/- 5.1926
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	201.7 µg/mL	+/- 5.2098
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	201.2 µg/mL	+/- 5.1984
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	201.4 µg/mL	+/- 5.2038
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	201.3 µg/mL	+/- 5.2012
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	201.3 µg/mL	+/- 5.2012
10	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.7 µg/mL	+/- 5.2098
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	201.0 µg/mL	+/- 5.1926
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.5 µg/mL	+/- 5.1788
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.3 µg/mL	+/- 5.2012
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.7 µg/mL	+/- 5.1839
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.0 µg/mL	+/- 5.1926
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	201.3 µg/mL	+/- 5.1998

18	n-Tetracontane (C40)	4181-95-7	4LJYN	98%	200.6 µg/mL	+/-	5.1815

* 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.)

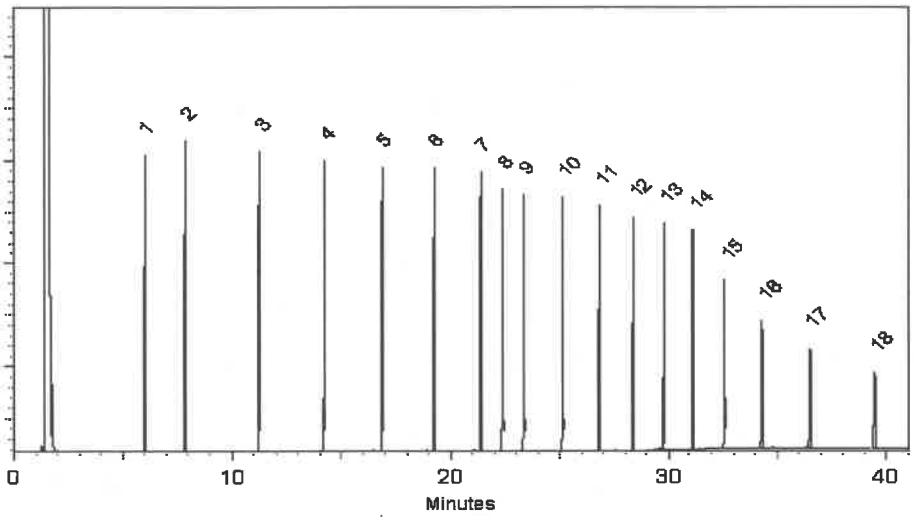
Inj. Temp:
250°C

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.

John Friedline - Operations Technician I

Date Mixed: 18-Jul-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Jul-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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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. : 30542 **Lot No.:** A0200008

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 : August 31, 2030 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13100 & P13102 Y.P. 01/02/24

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%	201.7 µg/mL	+/- 5.2098
2	n-Decane (C10)	124-18-5	SHBP4427	99%	201.3 µg/mL	+/- 5.2012
3	n-Dodecane (C12)	112-40-3	SHBN7174	99%	200.7 µg/mL	+/- 5.1839
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	201.0 µg/mL	+/- 5.1926
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	201.7 µg/mL	+/- 5.2098
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	201.2 µg/mL	+/- 5.1984
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	201.4 µg/mL	+/- 5.2038
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	201.3 µg/mL	+/- 5.2012
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	201.3 µg/mL	+/- 5.2012
10	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.7 µg/mL	+/- 5.2098
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	201.0 µg/mL	+/- 5.1926
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.5 µg/mL	+/- 5.1788
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.3 µg/mL	+/- 5.2012
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.7 µg/mL	+/- 5.1839
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.0 µg/mL	+/- 5.1926
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	201.3 µg/mL	+/- 5.1998

18	n-Tetracontane (C40)	4181-95-7	4LJYN	98%	200.6 µg/mL	+/-	5.1815

* 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.)

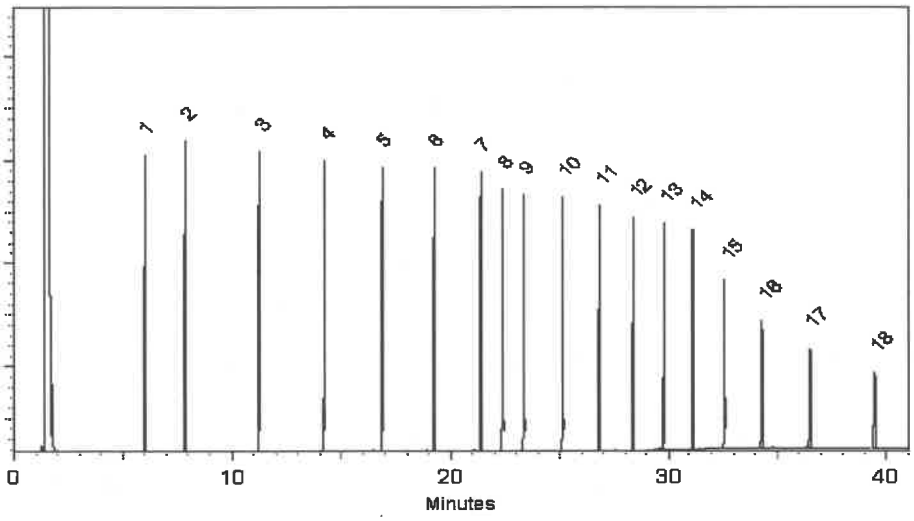
Inj. Temp:
250°C

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.

John Friedline - Operations Technician I

Date Mixed: 18-Jul-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Jul-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.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0206496

P13258 ↓ P13277 } Y.P. 02/20/24

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 : December 31, 2029 **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	2-Fluorobiphenyl	321-60-8	00021384	99%	4,008.5 µg/mL	+/- 180.5736
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,001.5 µg/mL	+/- 180.2582

* 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.)

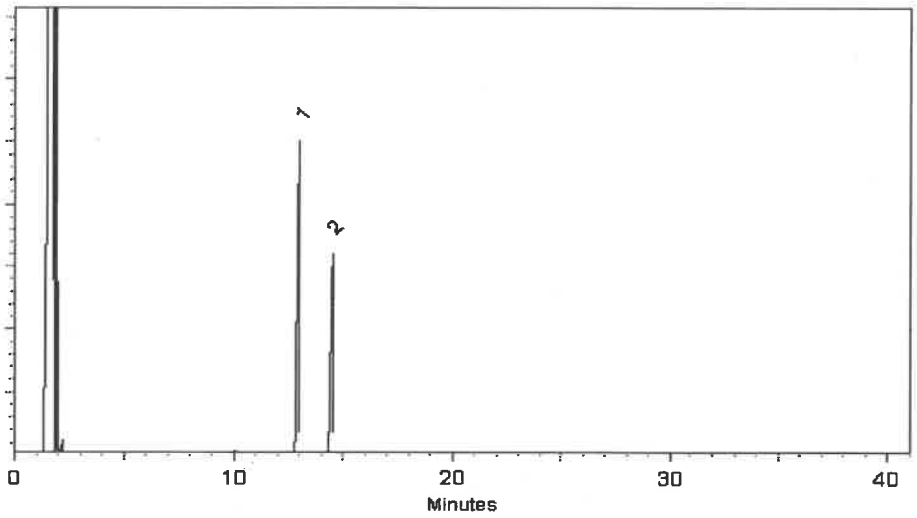
Inj. Temp:
250°C

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.

Rebecca Gingerich - Operations Tech II

Date Mixed: 11-Jan-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 15-Jan-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. : 31480 **Lot No.:** A0206496

P13258 ↓ P13277 } Y.P. 02/20/24

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 : December 31, 2029 **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	2-Fluorobiphenyl	321-60-8	00021384	99%	4,008.5 µg/mL	+/- 180.5736
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,001.5 µg/mL	+/- 180.2582

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

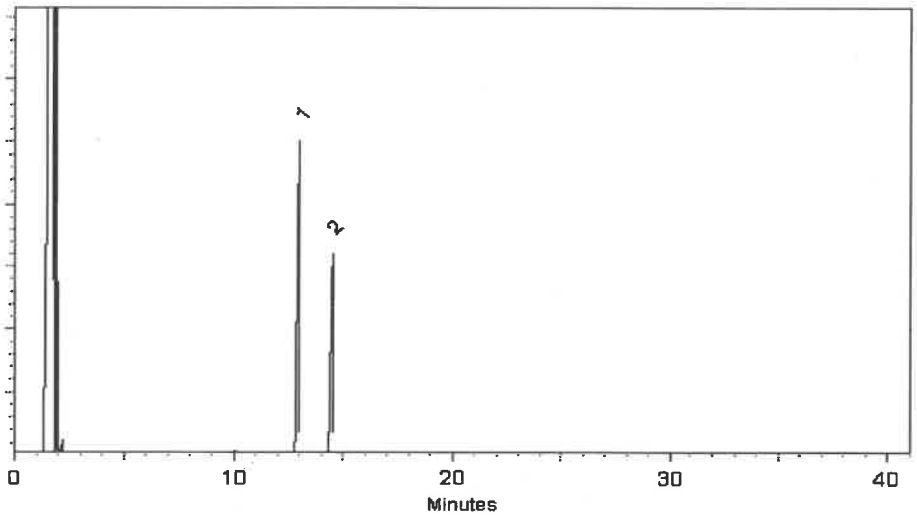
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Rebecca Gingerich - Operations Tech II

Date Mixed: 11-Jan-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 15-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0206496

P13258 ↓ P13277 } Y.P. 02/20/24

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 : December 31, 2029 **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	2-Fluorobiphenyl	321-60-8	00021384	99%	4,008.5 µg/mL	+/- 180.5736
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,001.5 µg/mL	+/- 180.2582

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

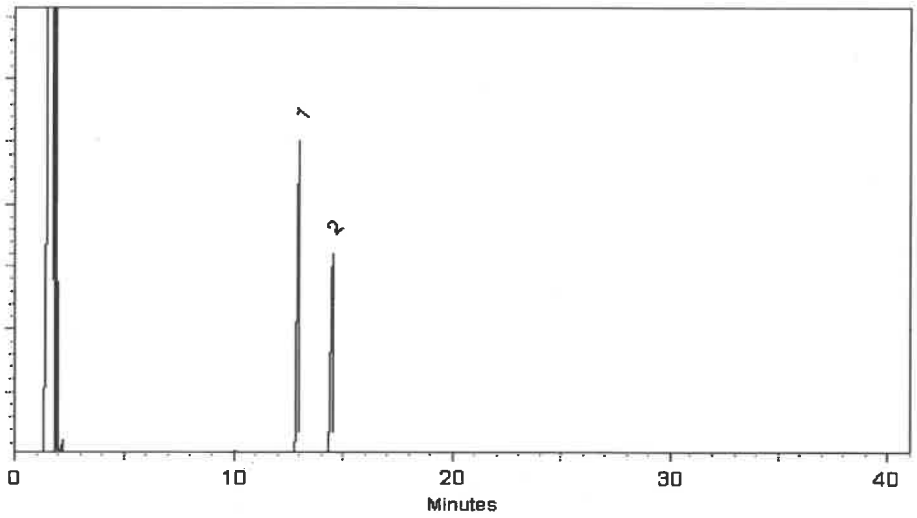
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Rebecca Gingerich - Operations Tech II

Date Mixed: 11-Jan-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 15-Jan-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:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

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Catalog No. : 31480 **Lot No.:** A0206496

P13258 ↓ P13277 } Y.P. 02/20/24

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 : December 31, 2029 **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	2-Fluorobiphenyl	321-60-8	00021384	99%	4,008.5 µg/mL	+/- 180.5736
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,001.5 µg/mL	+/- 180.2582

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

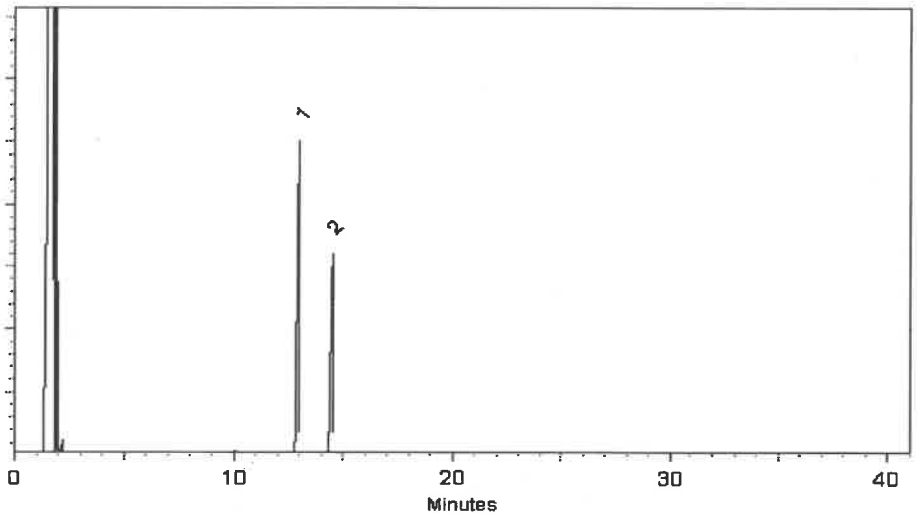
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Rebecca Gingerich - Operations Tech II

Date Mixed: 11-Jan-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 15-Jan-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:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0206496

P13258 ↓ P13277 } Y.P. 02/20/24

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 : December 31, 2029 **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	2-Fluorobiphenyl	321-60-8	00021384	99%	4,008.5 µg/mL	+/- 180.5736
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,001.5 µg/mL	+/- 180.2582

* 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.)

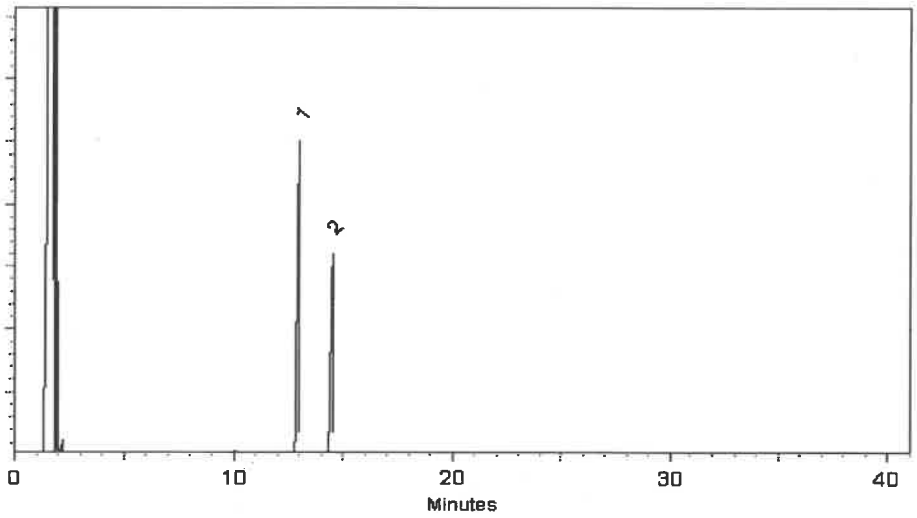
Inj. Temp:
250°C

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.

Rebecca Gingerich - Operations Tech II

Date Mixed: 11-Jan-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 15-Jan-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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95899
Lot Number: 040524
Description: NJ EPH Aliphatic n-Hydrocarbons - Revised
20 components
Expiration Date: 040534
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Cyclohexane	28930

P13278 & P13287 } Y.P. 04111124

Formulated By:	Anthony Mahoney	040524 DATE
Reviewed By:	Pedro L. Rentas	040524 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.001 Flask Uncertainty
CAUTION: Sonicate Before Use

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	2-Methylnaphthalene	(0214)	MKBF3783V	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A	orl-rat 1630mg/kg
2.	Naphthalene	(0222)	MKBZ8680V	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m3/8H)	ivn-mus 218mg/kg
4.	n-Decane	95708	**120222**	1.00	25.00	1000.9	1000	NA	NA	0.013	NA	NA	1000.2	4.2	124-18-5	N/A	N/A
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	112-40-3	N/A	ivn-mus 3494mg/kg
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1000	NA	NA	0.013	NA	NA	1001.3	4.2	629-59-4	N/A	N/A
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.7	4.2	544-76-3	N/A	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.1	593-45-3	N/A	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.2	112-95-8	N/A	N/A
10.	n-Heneicosane	95708	120222	1.00	25.00	1002.4	1000	NA	NA	0.013	NA	NA	1001.6	4.2	629-94-7	N/A	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1000	NA	NA	0.013	NA	NA	1001.2	4.2	629-97-0	N/A	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000	NA	NA	0.013	NA	NA	1000.1	4.2	646-31-1	N/A	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1000	NA	NA	0.013	NA	NA	1000.4	4.2	630-01-3	N/A	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	630-02-4	N/A	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	638-68-6	N/A	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.3	544-85-4	N/A	ivn-mus 100mg/kg
17.	n-Tetratriacontane	95708	120222	1.00	25.00	1000.4	1000	NA	NA	0.013	NA	NA	999.7	4.2	14167-59-0	N/A	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1000	NA	NA	0.013	NA	NA	1000.8	4.2	630-06-8	N/A	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000	NA	NA	0.013	NA	NA	999.6	4.3	7194-85-6	N/A	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000	NA	NA	0.013	NA	NA	999.9	4.3	4181-95-7	N/A	N/A

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0207239

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 : February 28, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13288 → P13317 Y.P. 04/23/24

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%	201.0 µg/mL	+/- 5.1926
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1839
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.7 µg/mL	+/- 5.1839
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBM4146	98%	200.6 µg/mL	+/- 5.1815
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	199.9 µg/mL	+/- 5.1647
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	199.8 µg/mL	+/- 5.1621
8	n-Heneicosane (C21)	629-94-7	MKCL8682	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.7 µg/mL	+/- 5.1839
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.3 µg/mL	+/- 5.1753
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	199.8 µg/mL	+/- 5.1621
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.0 µg/mL	+/- 5.1926
15	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	200.7 µg/mL	+/- 5.1839
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	201.0 µg/mL	+/- 5.1915

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.3 µg/mL	+/- 5.1753

* 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.)

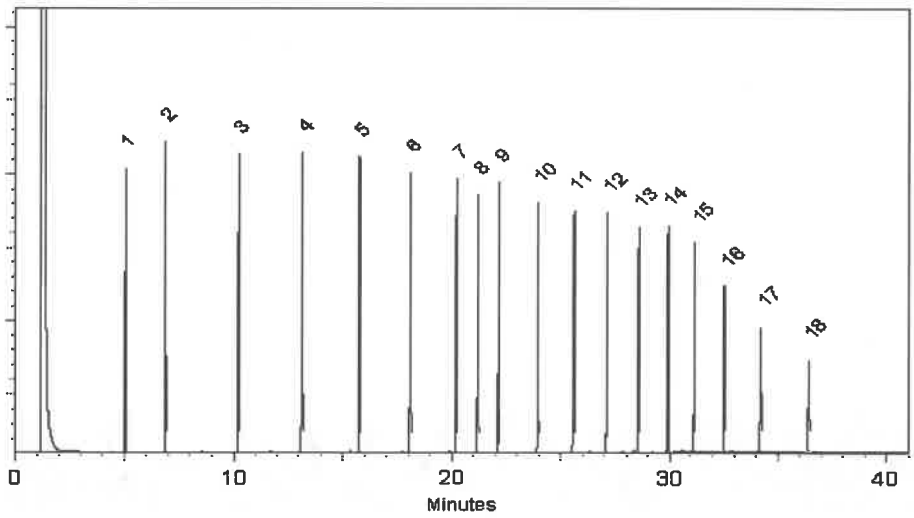
Inj. Temp:
250°C

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.

Matt Fragassi - Mix Technician

Date Mixed: 31-Jan-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 02-Feb-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.:** A0207239

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 : February 28, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13h17 & P13h29 } Y.P. 07116124.

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%	201.0 µg/mL	+/- 5.1926
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1839
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.7 µg/mL	+/- 5.1839
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBM4146	98%	200.6 µg/mL	+/- 5.1815
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	199.9 µg/mL	+/- 5.1647
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	199.8 µg/mL	+/- 5.1621
8	n-Heneicosane (C21)	629-94-7	MKCL8682	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.7 µg/mL	+/- 5.1839
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.3 µg/mL	+/- 5.1753
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	199.8 µg/mL	+/- 5.1621
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.0 µg/mL	+/- 5.1926
15	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	200.7 µg/mL	+/- 5.1839
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	201.0 µg/mL	+/- 5.1915

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.3 µg/mL	+/-	5.1753

* 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.)

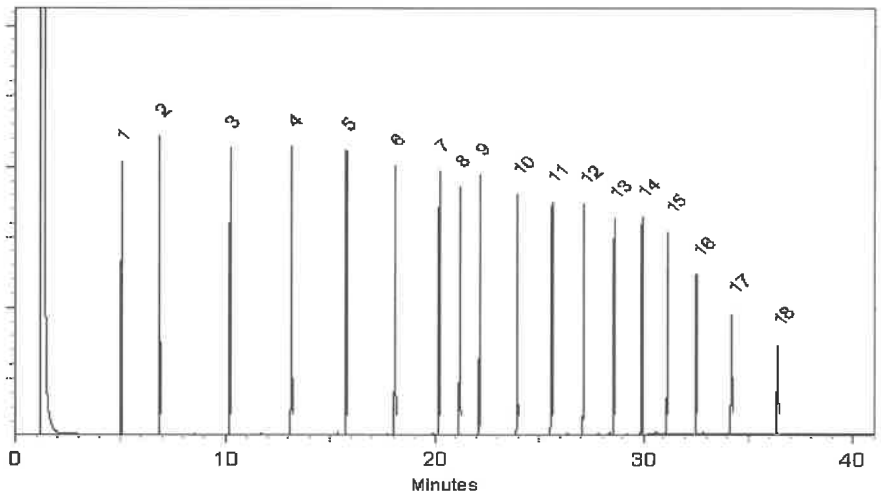
Inj. Temp:
250°C

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.

Matt Fragassi - Mix Technician

Date Mixed: 31-Jan-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 02-Feb-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 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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Certificate #3222.02

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Catalog No. : 30542 **Lot No.:** A0207239

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 : February 28, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13h17 & P13h29 } Y.P. 07116124.

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%	201.0 µg/mL	+/- 5.1926
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1839
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.7 µg/mL	+/- 5.1839
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBM4146	98%	200.6 µg/mL	+/- 5.1815
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	199.9 µg/mL	+/- 5.1647
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	199.8 µg/mL	+/- 5.1621
8	n-Heneicosane (C21)	629-94-7	MKCL8682	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.7 µg/mL	+/- 5.1839
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.3 µg/mL	+/- 5.1753
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	199.8 µg/mL	+/- 5.1621
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.0 µg/mL	+/- 5.1926
15	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	200.7 µg/mL	+/- 5.1839
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	201.0 µg/mL	+/- 5.1915

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.3 µg/mL	+/-	5.1753

* 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.)

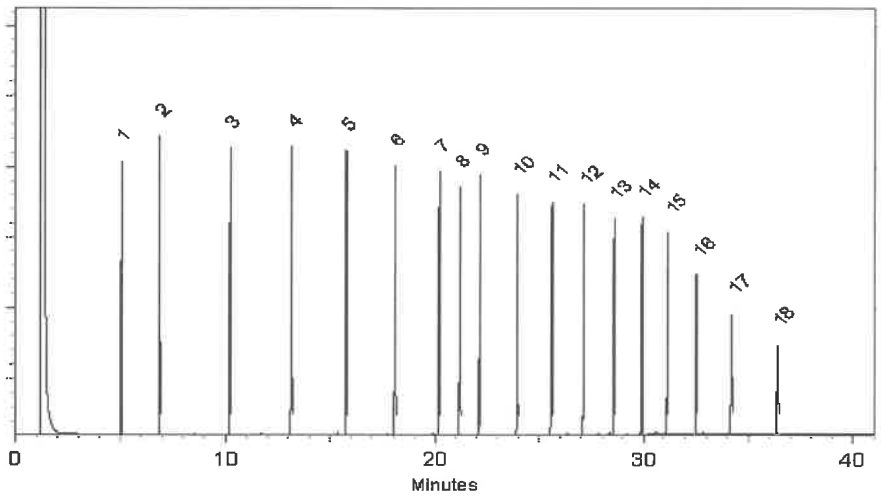
Inj. Temp:
250°C

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.

Matt Fragassi - Mix Technician

Date Mixed: 31-Jan-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 02-Feb-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

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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.)

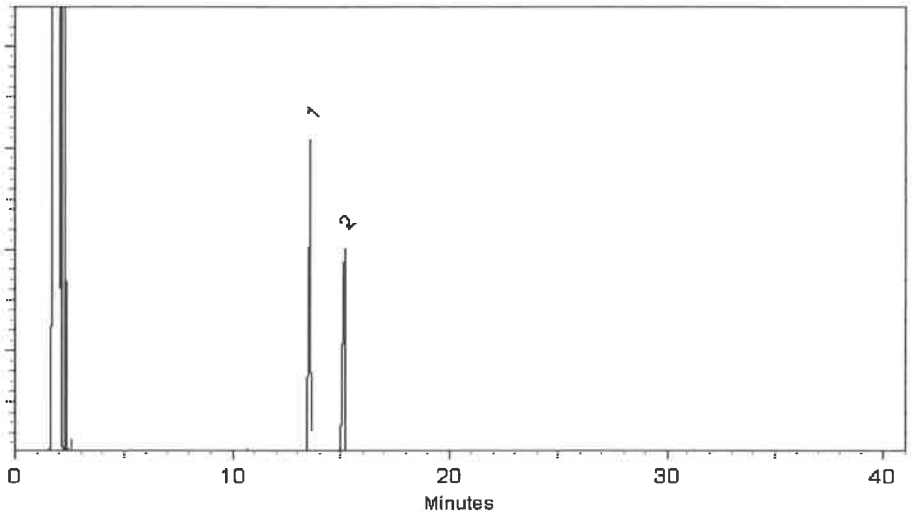
Inj. Temp:
250°C

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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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
} Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/- 5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

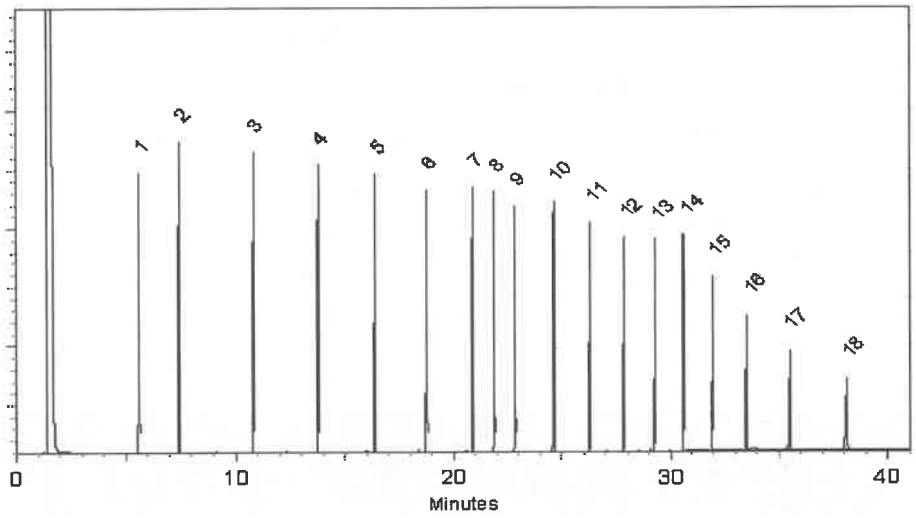
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
} Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/- 5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

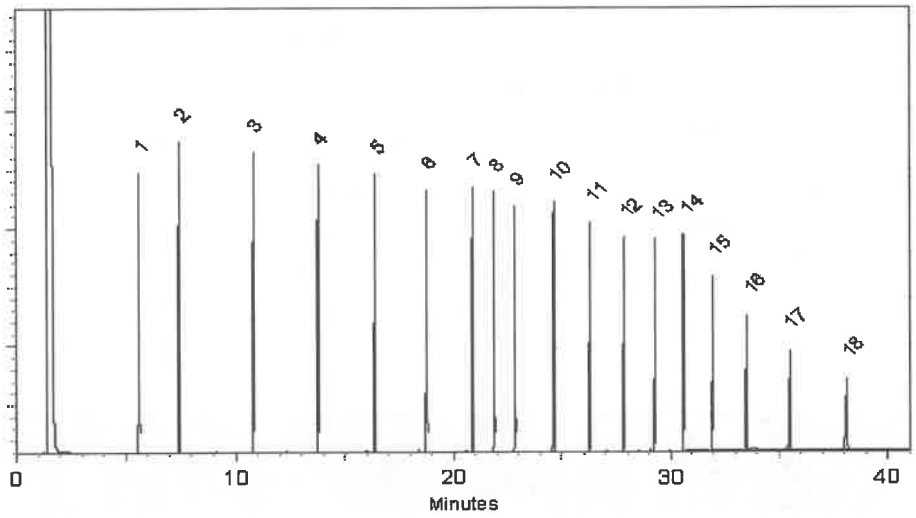
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
} Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/- 5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

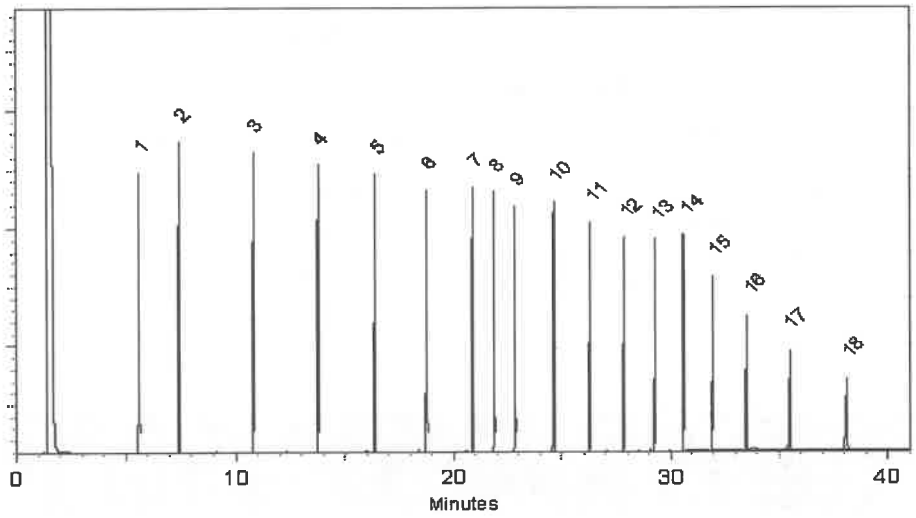
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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

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

P13717 ↓ P13727 Y.P 10/24/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

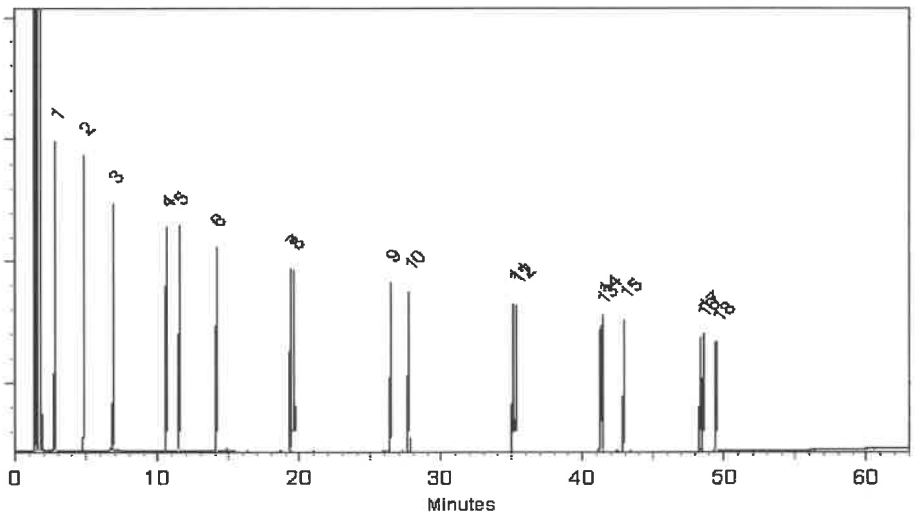
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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

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

P13717 ↓ P13727 Y.P 10/24/24

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.)

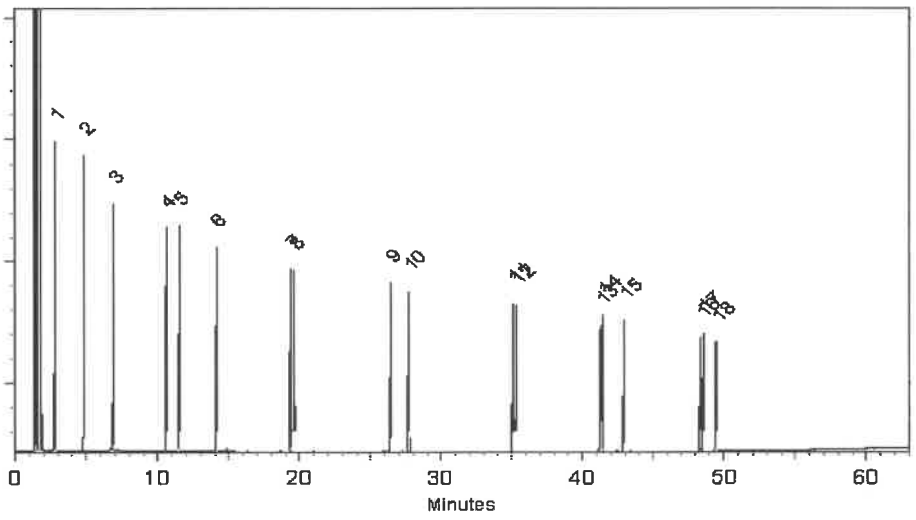
Inj. Temp:
250°C

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:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

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

P13717 ↓ P13727 Y.P 10/24/24

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.)

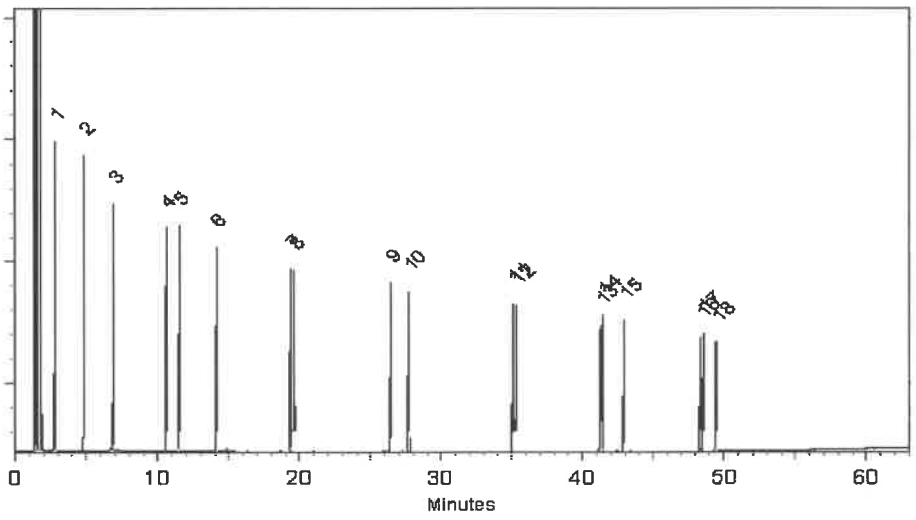
Inj. Temp:
250°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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

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

P13717 ↓ P13727 Y.P 10/24/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

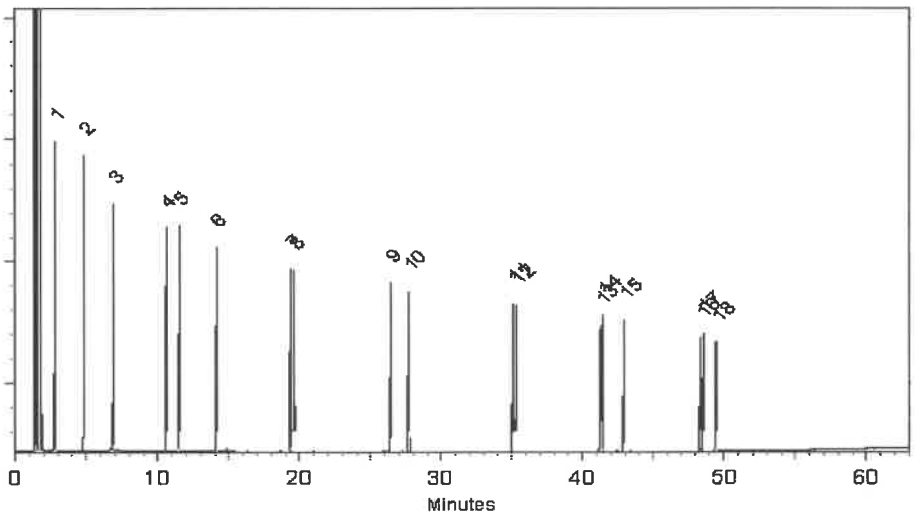
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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

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

P13717 ↓ P13727 Y.P 10/24/24

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.)

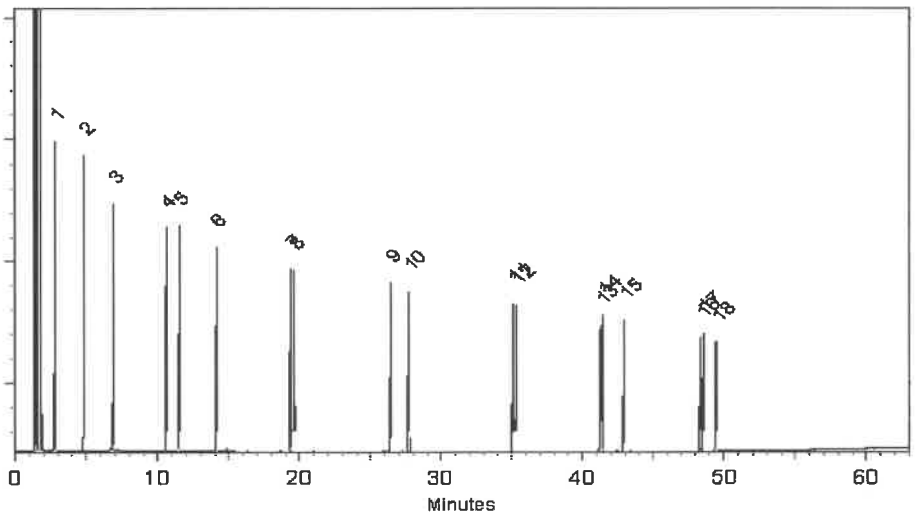
Inj. Temp:
250°C

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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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

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

P13717 ↓ P13727 Y.P 10/24/24

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.)

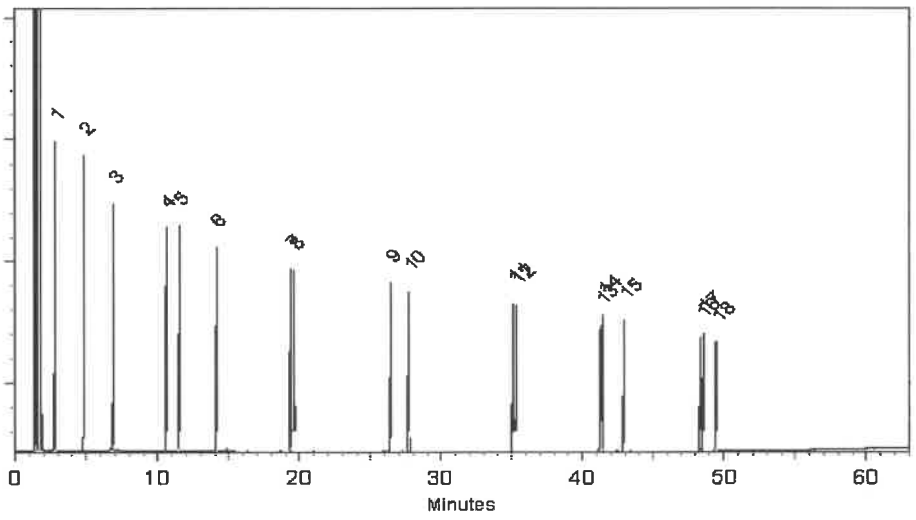
Inj. Temp:
250°C

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:

- 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.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

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

P13717 ↓ P13727 Y.P 10/24/24

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
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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
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13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
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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.)

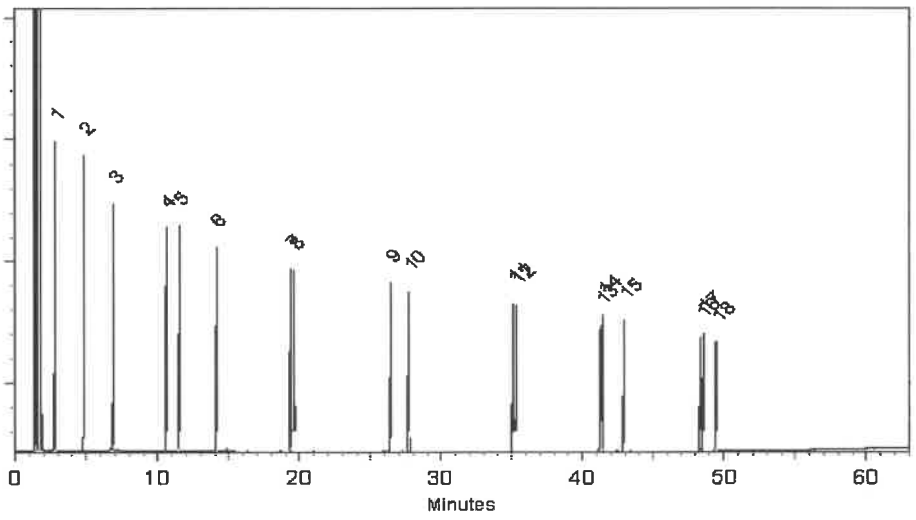
Inj. Temp:
250°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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

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

P13717 ↓ P13727 Y.P 10/24/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

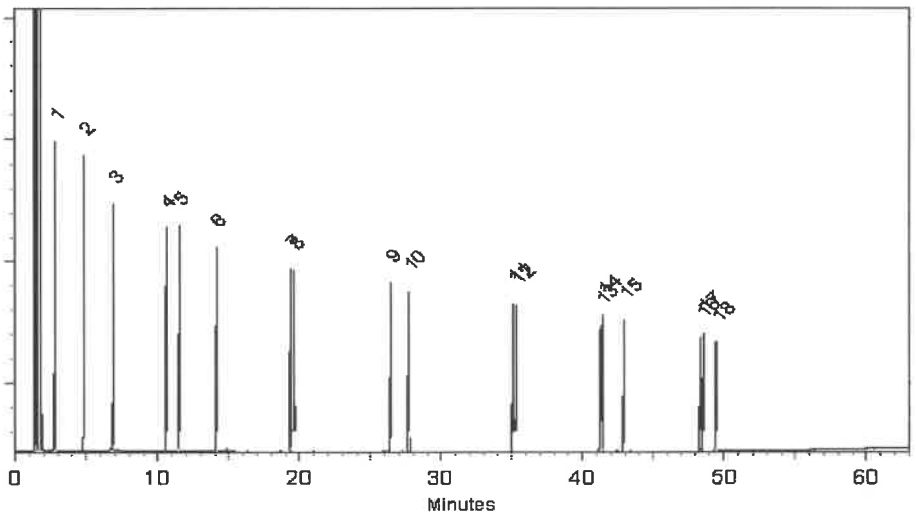
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Manufacturing 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

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

P13717 ↓ P13727 Y.P 10/24/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
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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
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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.)

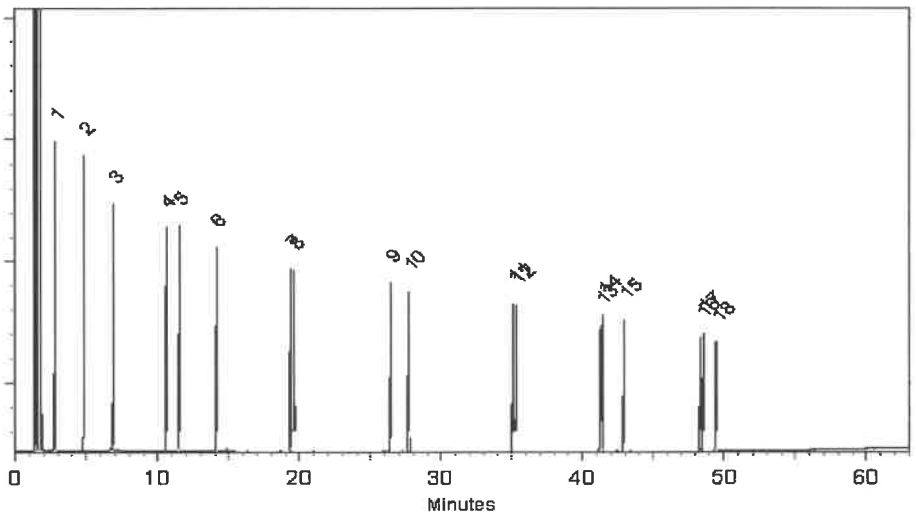
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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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:

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P13717 ↓ P13727 Y.P 10/24/24

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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:
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Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

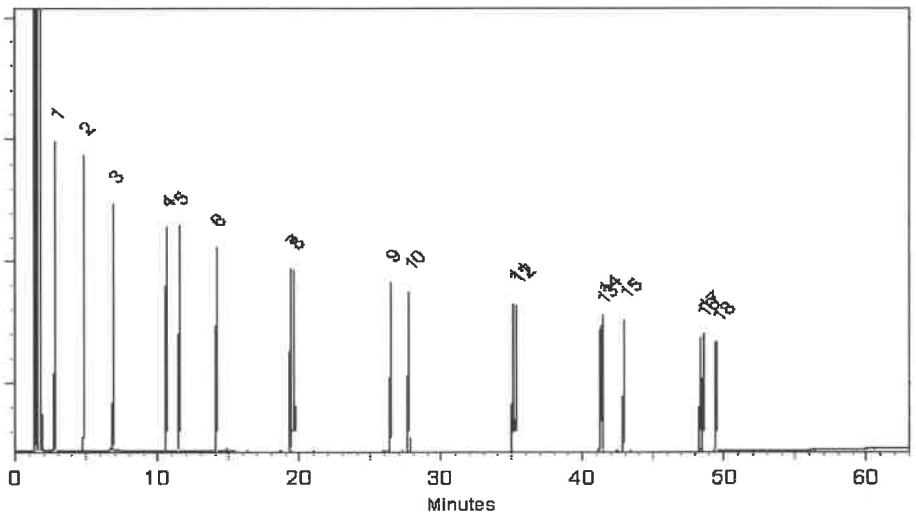
Inj. Temp:
250°C

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:

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SHIPPING DOCUMENTS

P4599

ENTACT

CHAIN OF CUSTODY RECORD

NO. 1 OF 1

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	REQUESTED ANALYSIS/METHOD: TPH DRO & GRO (8015)	COMMENTS
EX-1-TPH-1	TPH	10/28	12:15	Soil	G	Teracore / 8oz	2	X	
EX-1-TPH-2	TPH	10/28	12:15	Soil	G		2	X	
EX-1-TPH-3	TPH	10/28	12:15	Soil	G		2	X	
EX-1-TPH-4	TPH	10/28	12:15	Soil	G		2	X	
EX-1-TPH-5	TPH	10/28	12:15	Soil	G		2	X	
EX-1-TPH-6	TPH	10/28	12:15	Soil	G		2	X	
EX-1-TPH-7	TPH	10/28	12:15	Soil	G		2	X	
EX-1-TPH-8	TPH	10/28	12:15	Soil	G		2	X	
EX-1-TPH-9	TPH	10/28	12:15	Soil	G		2	X	

SAMPLER	W. Seel	SHIPMENT	courier	AIRBILL	

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: Temp 3.0°c

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:		SIGNATURE:	10.28.2024	SIGNATURE:	
PRINTED NAME/COMPANY: Wyatt Seel / ENTACT	10/28	PRINTED NAME/COMPANY: Lawrence Carter Chemtech	1710	PRINTED NAME/COMPANY:	
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	10-28-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Lawrence Carter	1530	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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4599 ENTA05
Client Name : ENTACT
Client Contact : Wyatt Seel
Invoice Name : ENTACT
Invoice Contact : Wyatt Seel

Order Date : 10/28/2024 3:59:00 PM
Project Name : North Point
Receive DateTime : 10/28/2024 ~~12:00:00~~ 17:10 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4599-01	EX-1-TPH-1	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4599-02	EX-1-TPH-2	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4599-03	EX-1-TPH-3	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4599-04	EX-1-TPH-4	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4599-05	EX-1-TPH-5	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4599-06	EX-1-TPH-6	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4599-07	EX-1-TPH-7	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4599-08	EX-1-TPH-8	Solid	10/28/2024	12:15					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4599 ENTA05
Client Name : ENTACT
Client Contact : Wyatt Seel
Invoice Name : ENTACT
Invoice Contact : Wyatt Seel

Order Date : 10/28/2024 3:59:00 PM
Project Name : North Point
Receive DateTime : 10/28/2024 ~~12:00:00~~ 17:10 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					Gasoline Range Organics		8015D	5 Bus. Days	
P4599-09	EX-1-TPH-9	Solid	10/28/2024	12:15					
					Gasoline Range Organics		8015D	5 Bus. Days	

Received on 10/28/29 @ 1530
Placed in SM-REF

Relinguished By :
Date / Time : 10/29/24 0840

Received By :
Date / Time : 10/29/24 0840
Storage Area : VOA Refridgerator Room